

Project Number: RC000753.0801

MW-72BR-200-LF_S

| Date | 08/22/2019 | Sampler | Andrew Pham |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 57.53 |
| Water Quality Meter | YSI | _ Gallons in Well | 140.66 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 195.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 5 | Pump Intake Depth (ft bmp) | 152 |
| Water Column in | 137.98 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 08/22/2019 | MS/MSD Sample ID | |
| Sample Time | 14:20 | MS/MSD Sample Time | |
| Sample ID | MW-72BR-200-LF_S-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | - Post Sampling Turbidity | |
| Without Filter Turbidity | 26 | - Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:01 | 500 | 1500 | 30.2 | 8.00 | 13196 | 131.6 | 0.56 | 28 | 57.60 | 7.79 | 8.40 |
| 14:04 | 500 | 3000 | 29.8 | 8.18 | 13992 | 117.7 | 0.36 | 27 | 57.60 | 8.00 | 9.11 |
| 14:07 | 500 | 4500 | 30.0 | 8.18 | 13882 | 110.8 | 0.29 | 28 | 57.60 | 8.02 | 9.03 |
| 14:10 | 500 | 6000 | 30.3 | 8.18 | 13920 | 106.5 | 0.24 | 27 | 57.60 | 8.18 | 9.08 |
| 14:13 | 500 | 7500 | 30.4 | 8.18 | 13992 | 105.2 | 0.24 | 27 | 57.61 | 8.18 | 9.07 |
| 14:16 | 500 | 9000 | 30.3 | 8.19 | 13979 | 103.4 | 0.25 | 26 | 57.61 | 8.19 | 9.10 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | | | X | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-83-180

| Date | 08/22/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 73.24 |
| Water Quality Meter | YSI | Gallons in Well | 17.53 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 180.70 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 107.46 | Total Volume to Remove | 17.53 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/22/2019 | MS/MSD Sample ID | |
| Sample Time | 10:14 | MS/MSD Sample Time | |
| Sample ID | MW-L-180-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:55 | 500 | 1500 | 30.0 | 7.93 | 10935 | 70.5 | 0.74 | 78 | 73.30 | 6.17 | 7.08 |
| 09:58 | 500 | 3000 | 30.5 | 7.99 | 10993 | 92.8 | 0.56 | 29 | 73.30 | 6.17 | 7.13 |
| 10:01 | 500 | 4500 | 30.6 | 8.01 | 10956 | 110.2 | 0.47 | 15 | 73.30 | 6.17 | 7.13 |
| 10:04 | 500 | 6000 | 30.5 | 8.01 | 10979 | 117.6 | 0.45 | 9 | 73.30 | 6.17 | 7.13 |
| 10:07 | 500 | 7500 | 30.6 | 8.01 | 10956 | 120.1 | 0.44 | 9 | 73.30 | 6.17 | 7.13 |
| 10:10 | 500 | 9000 | 30.7 | 8.00 | 10965 | 121.8 | 0.42 | 9 | 73.30 | 6.17 | 7.13 |
| 10:13 | 500 | 10500 | 30.8 | 8.00 | 10974 | 122.0 | 0.40 | 9 | 73.30 | 6.17 | 7.13 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | | X | | |
| Action Completed? | | | Х | |

| ь. | | | D . | |
|----|-------|-----|------------|-----|
| Рn | เดโดร | and | Drawing | IS. |



Project Number: RC000753.0801

MW-85-217

| Date | 08/22/2019 | Sampler | Andrew Pham |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 113.25 |
| Water Quality Meter | YSI | Gallons in Well | 16.91 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 216.92 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 206 |
| Water Column in | 103.67 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/22/2019 | MS/MSD Sample ID | |
| Sample Time | 11:08 | MS/MSD Sample Time | |
| Sample ID | MW-N-217-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 10 | Purge Date | 08/22/2019 |

Field Parameters

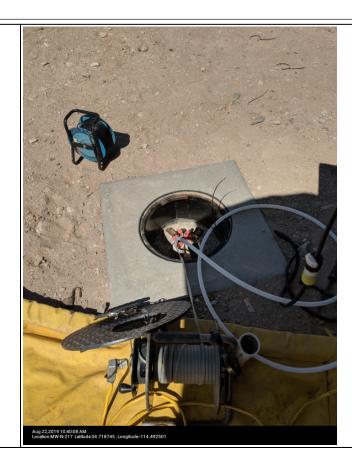
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:44 | 500 | 1500 | 30.6 | 8.17 | 11315 | 94.5 | 0.79 | 585 | 113.30 | 6.64 | 7.70 |
| 10:47 | 500 | 3000 | 30.3 | 8.04 | 12047 | 115.4 | 0.41 | 408 | 113.30 | 6.75 | 7.69 |
| 10:50 | 500 | 4500 | 30.3 | 8.05 | 12060 | 126.2 | 0.30 | 228 | 113.30 | 6.79 | 7.67 |
| 10:53 | 500 | 6000 | 30.9 | 8.05 | 11920 | 130.6 | 0.27 | 106 | 113.30 | 6.98 | 7.72 |
| 10:56 | 500 | 7500 | 31.1 | 8.05 | 12235 | 136.1 | 0.22 | 40 | 113.30 | 6.87 | 7.69 |
| 10:59 | 500 | 9000 | 31.4 | 8.05 | 12027 | 142.4 | 0.19 | 11 | 113.33 | 6.90 | 7.81 |
| 11:02 | 500 | 10500 | 31.4 | 8.05 | 11956 | 144.3 | 0.19 | 10 | 113.33 | 6.91 | 7.79 |
| 11:05 | 500 | 12000 | 31.5 | 8.05 | 12064 | 145.6 | 0.18 | 10 | 113.33 | 6.85 | 7.90 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-75-117

| Date | 08/19/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 16.87 |
| Water Quality Meter | YSI | Gallons in Well | 16.44 |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | 117.68 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 107 |
| Water Column in | 100.81 | Total Volume to Remove | 16.44 |
| Well | | EB Sample ID | MW-701-Q319 |
| Did Well Dewater? | No | EB Time | 15:30 |
| Sample Date | 08/19/2019 | MS/MSD Sample ID | |
| Sample Time | 13:28 | MS/MSD Sample Time | |
| Sample ID | MW-B-117-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 08/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:07 | 500 | 2000 | 30.1 | 8.21 | 12216 | -75.1 | 0.20 | 23 | 16.90 | 6.95 | 7.94 |
| 13:11 | 500 | 4000 | 30.1 | 8.23 | 12203 | -12.6 | 0.16 | 15 | 16.90 | 6.93 | 7.94 |
| 13:15 | 500 | 6000 | 30.2 | 8.23 | 12229 | -7.6 | 0.15 | 12 | 16.90 | 6.94 | 7.94 |
| 13:19 | 500 | 8000 | 30.2 | 8.23 | 12228 | -0.9 | 0.15 | 9 | 16.90 | 6.94 | 7.95 |
| 13:23 | 500 | 10000 | 30.2 | 8.23 | 12226 | 1.9 | 0.14 | 8 | 16.90 | 6.94 | 7.95 |
| 13:27 | 500 | 12000 | 30.3 | 8.22 | 12257 | 3.3 | 0.14 | 8 | 16.90 | 6.94 | 7.95 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |



Project Number: RC000753.0801

MW-75-033

| Date | 08/19/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 16.64 |
| Water Quality Meter | YSI | Gallons in Well | 2.86 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 34.17 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 28 |
| Water Column in | 17.53 | Total Volume to Remove | 2.86 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/19/2019 | MS/MSD Sample ID | |
| Sample Time | 13:25 | MS/MSD Sample Time | |
| Sample ID | MW-B-33-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 08/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:01 | 500 | 1500 | 30.8 | 7.60 | 5495 | 159.8 | 0.17 | 46 | 16.20 | 2.94 | 3.50 |
| 13:04 | 500 | 3000 | 30.6 | 7.59 | 5422 | 157.9 | 0.16 | 30 | 16.20 | 2.91 | 3.51 |
| 13:07 | 500 | 4500 | 30.7 | 7.56 | 5273 | 149.0 | 0.18 | 18 | 16.20 | 2.90 | 3.52 |
| 13:10 | 500 | 6000 | 30.8 | 7.55 | 5415 | 140.4 | 0.19 | 9 | 16.20 | 2.90 | 3.52 |
| 13:13 | 500 | 7500 | 31.0 | 7.54 | 5371 | 138.8 | 0.18 | 9 | 16.20 | 2.90 | 3.52 |
| 13:16 | 500 | 9000 | 31.1 | 7.54 | 5377 | 136.8 | 0.19 | 9 | 16.20 | 2.90 | 3.52 |
| 13:19 | 500 | 10500 | 31.1 | 7.54 | 5388 | 130.5 | 0.24 | 9 | 16.20 | 2.90 | 3.52 |

Well Integrity Checklist

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | | | X | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | | Х | | |
| Action Completed? | | | X | |

| ь. | | | D . | |
|----|-------|-----|------------|-----|
| Рn | เดโดร | and | Drawing | IS. |



Project Number: RC000753.0801

MW-89-183

| Date | 08/21/2019 | Sampler | Andrew Pham |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 130.22 |
| Water Quality Meter | YSI | Gallons in Well | 8.79 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 184.13 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 174 |
| Water Column in | 53.91 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/21/2019 | MS/MSD Sample ID | |
| Sample Time | 12:13 | MS/MSD Sample Time | |
| Sample ID | MW-U-183-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 10 | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | pН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|-------------------------|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | or gal/ min) | | | | | | | | | | |
| 11:40 | 500 | 1500 | 31.5 | 7.46 | 6848 | 92.3 | 2.54 | 1000 | 130.35 | 3.65 | 4.52 |
| 11:43 | 500 | 300 | 30.8 | 7.57 | 6880 | 123.1 | 2.62 | 1000 | 130.35 | 3.72 | 4.45 |
| 11:46 | 500 | 4500 | 32.0 | 7.53 | 6883 | 131.6 | 2.66 | 1000 | 130.35 | 3.76 | 4.49 |
| 11:49 | 500 | 6000 | 32.4 | 7.54 | 6918 | 135.4 | 2.70 | 461 | 130.35 | 3.70 | 4.47 |
| 11:52 | 500 | 7500 | 32.2 | 7.56 | 6884 | 139.7 | 2.71 | 190 | 130.38 | 3.73 | 4.49 |
| 11:55 | 500 | 9000 | 32.1 | 7.58 | 6909 | 142.7 | 2.68 | 83 | 130.35 | 3.71 | 4.49 |
| 11:58 | 500 | 10500 | 32.1 | 7.58 | 6907 | 145.1 | 2.69 | 52 | 130.38 | 3.75 | 4.49 |
| 12:01 | 500 | 12000 | 32.1 | 7.59 | 6945 | 147.8 | 2.65 | 33 | 130.38 | 3.73 | 4.48 |
| 12:04 | 500 | 13500 | 32.0 | 7.60 | 6895 | 150.2 | 2.63 | 11 | 130.38 | 3.78 | 4.47 |
| 12:07 | 500 | 15000 | 32.3 | 7.60 | 6902 | 152.3 | 2.60 | 10 | 130.38 | 3.80 | 4.45 |
| 12:10 | 500 | 16500 | 32.5 | 7.60 | 6915 | 154.3 | 2.58 | 10 | 130.38 | 3.82 | 4.44 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-84-057

| Date | 08/20/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.22 |
| Water Quality Meter | YSI | Gallons in Well | 2.13 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 57.30 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 50 |
| Water Column in | 13.08 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/20/2019 | MS/MSD Sample ID | |
| Sample Time | 13:38 | MS/MSD Sample Time | |
| Sample ID | MW-M-57-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 08/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:16 | 500 | 1500 | 30.4 | 7.69 | 1472 | 160.4 | 5.10 | 1000 | 44.28 | 0.73 | 0.95 |
| 13:19 | 500 | 3000 | 30.5 | 7.68 | 1490 | 160.7 | 5.09 | 302 | 44.28 | 0.73 | 0.95 |
| 13:22 | 500 | 4500 | 30.6 | 7.69 | 1512 | 161.4 | 5.08 | 147 | 44.28 | 0.73 | 0.95 |
| 13:25 | 500 | 6000 | 30.7 | 7.69 | 1520 | 162.5 | 5.05 | 32 | 44.28 | 0.73 | 0.95 |
| 13:28 | 500 | 7500 | 30.7 | 7.69 | 1555 | 163.0 | 5.03 | 14 | 44.28 | 0.73 | 0.95 |
| 13:31 | 500 | 9000 | 30.7 | 7.69 | 1560 | 164.1 | 5.04 | 10 | 44.28 | 0.73 | 0.95 |
| 13:34 | 500 | 10500 | 30.7 | 7.69 | 1574 | 164.4 | 5.05 | 10 | 44.28 | 0.73 | 0.95 |
| 13:37 | 500 | 12000 | 30.7 | 7.69 | 1580 | 164.8 | 5.05 | 10 | 44.28 | 0.73 | 0.95 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |

Photos and Drawings





Project Number: RC000753.0801

MW-84-095

| Date | 08/20/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.14 |
| Water Quality Meter | YSI | Gallons in Well | 8.42 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 95.76 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 90 |
| Water Column in | 51.62 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/20/2019 | MS/MSD Sample ID | |
| Sample Time | 12:45 | MS/MSD Sample Time | |
| Sample ID | MW-M-95-Q319 | Double Filter Turbidity | 3 |
| Single Filter Turbidity | 5 | Post Sampling Turbidity | |
| Without Filter Turbidity | 23 | Purge Date | 08/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:10 | 500 | 1500 | 31.3 | 7.48 | 5176 | 27.6 | 0.40 | 1000 | 44.19 | 2.74 | 3.80 |
| 12:13 | 500 | 3000 | 31.2 | 7.50 | 5107 | 35.1 | 0.42 | 1000 | 44.19 | 2.74 | 3.80 |
| 12:16 | 500 | 4500 | 31.5 | 7.51 | 5119 | 45.4 | 0.52 | 1000 | 44.19 | 2.74 | 3.80 |
| 12:19 | 500 | 6000 | 30.4 | 7.55 | 5264 | 60.1 | 0.39 | 232 | 44.19 | 2.74 | 3.80 |
| 12:22 | 500 | 7500 | 31.0 | 7.54 | 5266 | 65.6 | 0.37 | 101 | 44.19 | 2.74 | 3.80 |
| 12:34 | 500 | 13500 | 31.5 | 7.55 | 5292 | 67.4 | 0.25 | 23 | 44.19 | 2.74 | 3.80 |
| 12:37 | 500 | 15000 | 31.5 | 7.54 | 5311 | 68.0 | 0.24 | 23 | 44.19 | 2.74 | 3.80 |
| 12:40 | 500 | 16500 | 31.5 | 7.54 | 5320 | 68.5 | 0.25 | 23 | 44.19 | 2.74 | 3.80 |
| 14:25 | 500 | 9000 | 31.0 | 7.54 | 5270 | 66.0 | 0.31 | 52 | 44.19 | 2.74 | 3.80 |
| 14:28 | 500 | 10500 | 31.3 | 7.55 | 5288 | 66.8 | 0.28 | 35 | 44.19 | 2.74 | 3.80 |
| 14:31 | 500 | 12000 | 31.5 | 7.55 | 5289 | 66.9 | 0.26 | 24 | 44.19 | 2.74 | 3.80 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-84-132

| Date | 08/20/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.78 |
| Water Quality Meter | YSI | Gallons in Well | 14.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 133.49 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 129 |
| Water Column in | 88.71 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/20/2019 | MS/MSD Sample ID | |
| Sample Time | 12:30 | MS/MSD Sample Time | |
| Sample ID | MW-M-132-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 18 | Purge Date | 08/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:10 | 500 | 1500 | 32.8 | 8.05 | 7004 | -73.3 | 0.30 | 23 | 44.80 | 3.89 | 4.64 |
| 12:13 | 500 | 3000 | 33.7 | 7.82 | 7114 | -97.6 | 0.31 | 21 | 44.82 | 3.90 | 4.67 |
| 12:16 | 500 | 4500 | 33.2 | 7.68 | 7155 | -112.6 | 0.29 | 19 | 44.82 | 3.90 | 4.67 |
| 12:19 | 500 | 6000 | 33.2 | 7.64 | 7208 | -117.9 | 0.23 | 18 | 44.82 | 3.90 | 4.67 |
| 12:22 | 500 | 7500 | 33.2 | 7.63 | 7256 | -120.5 | 0.22 | 18 | 44.82 | 3.90 | 4.67 |
| 12:25 | 500 | 9000 | 33.1 | 7.62 | 7353 | -126.3 | 0.20 | 18 | 44.82 | 3.90 | 4.67 |
| 12:28 | 500 | 10500 | 33.2 | 7.62 | 7455 | -128.8 | 0.21 | 18 | 44.82 | 3.90 | 4.67 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-84-193

| Date | 08/20/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 185 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 08/20/2019 | EB Sample ID | |
| Sample Time | 14:10 | EB Time | |
| Sample ID | MW-M-193-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 3 | MS/MSD Sample Time | |
| Without Filter | 9 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 08/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:57 | 500 | 1500 | 31.8 | 7.56 | 12178 | -159.1 | 0.39 | 18 | 44.65 | 6.89 | 7.91 |
| 14:00 | 500 | 3000 | 31.6 | 7.67 | 11849 | -116.7 | 0.26 | 9 | 44.65 | 5.90 | 6.84 |
| 14:03 | 500 | 4500 | 31.7 | 7.85 | 16133 | -70.7 | 0.33 | 9 | 44.65 | 5.90 | 6.84 |
| 14:06 | 500 | 6000 | 31.8 | 7.85 | 16144 | -69.4 | 0.38 | 9 | 44.65 | 5.90 | 6.84 |
| 14:09 | 500 | 7500 | 31.7 | 7.84 | 16161 | -68.6 | 0.42 | 9 | 44.65 | 5.90 | 6.84 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-87-192

| Date | 08/20/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.49 |
| Sampling Type | Low Flow – Grundfos RF2 | Gallons in Well | 16.8 |
| Casing Material | PVC | Measured Well Depth (ft bmp) | 193.48 |
| Casing Diameter (in) | 2 | Odor | None |
| Water Column in | 102.99 | Pump Intake Depth (ft bmp) | 183 |
| Well | | Total Volume to Remove | |
| Did Well Dewater? | No | EB Sample ID | |
| Sample Date | 08/20/2019 | EB Time | |
| Sample Time | 09:34 | MS/MSD Sample ID | |
| Sample ID | MW-R-192-Q319 | MS/MSD Sample Time | |
| Single Filter Turbidity | 1 | Double Filter Turbidity | |
| Without Filter | 8 | Post Sampling Turbidity | |
| Turbidity | | Purge Date | 08/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:13 | 500 | 2000 | 30.3 | 8.41 | 9374 | -140.6 | 0.17 | 96 | 90.55 | 5.16 | 6.05 |
| 09:17 | 500 | 4000 | 30.6 | 8.44 | 9139 | -117.5 | 0.22 | 28 | 90.55 | 5.09 | 6.01 |
| 09:21 | 500 | 6000 | 30.6 | 8.44 | 9210 | -116.3 | 0.21 | 15 | 90.55 | 5.10 | 6.02 |
| 09:25 | 500 | 8000 | 30.6 | 8.43 | 9206 | -114.6 | 0.21 | 9 | 90.55 | 5.10 | 6.02 |
| 09:29 | 500 | 10000 | 30.6 | 8.43 | 9205 | -113.2 | 0.20 | 8 | 90.55 | 5.10 | 6.02 |
| 09:33 | 500 | 12000 | 30.6 | 8.42 | 9204 | -113.0 | 0.20 | 8 | 90.55 | 5.10 | 6.02 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-87-275

| Date | 08/20/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.30 |
| Water Quality Meter | YSI | Gallons in Well | 30.33 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 276.26 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 265 |
| Water Column in | 185.96 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/20/2019 | MS/MSD Sample ID | |
| Sample Time | 08:32 | MS/MSD Sample Time | |
| Sample ID | MW-R-275-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 08/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:07 | 500 | 2000 | 30.6 | 8.44 | 11675 | -119.5 | 0.22 | 32 | 90.41 | 6.58 | 7.59 |
| 08:11 | 500 | 4000 | 30.9 | 8.47 | 11773 | -120.9 | 0.19 | 47 | 90.41 | 6.71 | 7.63 |
| 08:15 | 500 | 6000 | 30.8 | 8.43 | 11851 | -122.1 | 0.19 | 29 | 90.41 | 6.70 | 7.65 |
| 08:19 | 500 | 8000 | 30.8 | 8.41 | 11812 | -124.6 | 0.20 | 16 | 90.41 | 6.69 | 7.70 |
| 08:23 | 500 | 10000 | 30.9 | 8.40 | 11820 | -126.3 | 0.20 | 10 | 90.41 | 6.69 | 7.70 |
| 08:27 | 500 | 12000 | 30.9 | 8.39 | 11822 | -126.9 | 0.20 | 9 | 90.41 | 6.69 | 7.70 |
| 08:31 | 500 | 14000 | 30.9 | 8.39 | 11823 | -127.3 | 0.21 | 9 | 90.41 | 6.69 | 7.70 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-87-109

| Date | 08/20/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.21 |
| Water Quality Meter | YSI | Gallons in Well | 3.43 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 111.22 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 100 |
| Water Column in | 21.01 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/20/2019 | MS/MSD Sample ID | |
| Sample Time | 11:15 | MS/MSD Sample Time | |
| Sample ID | MW-R-109-Q319 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 08/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:42 | 300 | 1200 | 31.1 | 8.39 | 2350 | 54.6 | 3.21 | 439 | 90.25 | 1.19 | 1.52 |
| 10:46 | 300 | 2400 | 31.2 | 8.36 | 2219 | 55.0 | 3.59 | 309 | 90.25 | 1.13 | 1.41 |
| 10:50 | 300 | 3600 | 31.4 | 8.36 | 2198 | 56.1 | 3.80 | 112 | 90.25 | 1.12 | 1.40 |
| 10:54 | 300 | 4800 | 31.4 | 8.36 | 2159 | 57.0 | 3.89 | 69 | 90.25 | 1.12 | 1.40 |
| 10:58 | 300 | 6000 | 31.4 | 8.36 | 2150 | 57.6 | 3.95 | 35 | 90.25 | 1.12 | 1.40 |
| 11:02 | 300 | 7200 | 31.5 | 8.36 | 2175 | 59.3 | 3.86 | 29 | 90.25 | 1.11 | 1.41 |
| 11:06 | 300 | 8400 | 31.5 | 8.36 | 2179 | 59.6 | 3.83 | 16 | 90.25 | 1.11 | 1.41 |
| 11:10 | 300 | 9600 | 31.6 | 8.36 | 2181 | 60.3 | 3.86 | 15 | 90.25 | 1.11 | 1.41 |
| 11:14 | 300 | 10800 | 31.6 | 8.36 | 2181 | 60.6 | 3.86 | 15 | 90.25 | 1.11 | 1.41 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-139

| Date | 08/07/2019 | Sampler | Spencer Doolittle,Nara Tep |
|-----------------------------|-----------------------------|------------------------------|----------------------------|
| Weather Conditions | Sunny | Color | Brown,Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 89.88,90.12 |
| Water Quality Meter | YSI | Gallons in Well | 8.31,8.33 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 140.80,141.17 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 135,129 |
| Water Column in | 50.92,51.05 | Total Volume to Remove | |
| Well | | EB Sample ID | MW-779-Q319 |
| Did Well Dewater? | No | EB Time | 14:45 |
| Sample Date | 08/07/2019,08/20/2019 | ——— MS/MSD Sample ID | |
| Sample Time | 11:16,12:46 | MS/MSD Sample Time | |
| Sample ID | MW-R-139-Q319 | ——— Double Filter Turbidity | 1 |
| Single Filter Turbidity | 45,2 | ——— Post Sampling Turbidity | |
| Without Filter Turbidity | 1000,24 | Purge Date | 08/07/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:03 | 500 | 1500 | 34.5 | 7.35 | 9286 | -54.3 | 3.87 | 1000 | 90.69 | | |
| 11:06 | 500 | 3000 | 36.7 | 7.28 | 9611 | -56.7 | 3.12 | 1000 | 90.75 | | |
| 11:09 | 500 | 4500 | 36.6 | 7.31 | 9611 | -56.1 | 2.92 | 1000 | 90.75 | | |
| 11:12 | 500 | 6000 | 36.6 | 7.32 | 9619 | -51.6 | 2.83 | 1000 | 90.79 | | |
| 11:15 | 500 | 7500 | 36.7 | 7.34 | 9638 | -49.8 | 2.79 | 1000 | 90.79 | | |
| 12:09 | 100 | 400 | 32.1 | 8.05 | 7604 | 45.4 | 0.80 | 58 | 90.15 | 4.12 | 4.94 |
| 12:13 | 100 | 800 | 32.6 | 8.09 | 7609 | 45.9 | 0.65 | 49 | 90.15 | 4.12 | 4.94 |
| 12:17 | 100 | 1200 | 32.9 | 8.10 | 7598 | 46.0 | 0.68 | 43 | 90.15 | 4.12 | 4.94 |
| 12:21 | 100 | 1600 | 33.0 | 8.10 | 7598 | 46.1 | 0.68 | 38 | 90.15 | 4.12 | 4.94 |
| 12:25 | 100 | 2000 | 33.0 | 8.10 | 7596 | 48.3 | 0.67 | 32 | 90.15 | 4.12 | 4.94 |
| 12:29 | 100 | 2400 | 33.1 | 8.10 | 7595 | 48.6 | 0.67 | 29 | 90.15 | 4.12 | 4.94 |
| 12:33 | 100 | 2800 | 33.1 | 8.10 | 7596 | 48.7 | 0.65 | 27 | 90.15 | 4.12 | 4.94 |
| 12:37 | 100 | 3200 | 33.1 | 8.10 | 7596 | 49.0 | 0.65 | 25 | 90.15 | 4.12 | 4.94 |
| 12:41 | 100 | 3600 | 33.1 | 8.10 | 7596 | 49.1 | 0.66 | 24 | 90.15 | 4.12 | 4.94 |
| 12:45 | 100 | 4000 | 33.1 | 8.10 | 7597 | 49.3 | 0.66 | 24 | 90.15 | 4.12 | 4.94 |

| Item | Yes | No | NA | Notes |
|------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-86-140

| Date | 08/21/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 11.80 |
| Water Quality Meter | YSI | Gallons in Well | 21.27 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 142.23 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 135 |
| Water Column in | 130.43 | Total Volume to Remove | 21.27 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/21/2019 | MS/MSD Sample ID | |
| Sample Time | 10:09 | MS/MSD Sample Time | |
| Sample ID | MW-O-140-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:53 | 500 | 1500 | 22.6 | 7.90 | 11738 | -246.9 | 0.27 | 12 | 11.88 | 6.80 | 7.78 |
| 09:56 | 500 | 3000 | 23.0 | 7.82 | 14512 | -253.8 | 0.19 | 10 | 11.88 | 8.55 | 9.59 |
| 09:59 | 500 | 4500 | 22.4 | 7.89 | 14135 | -249.7 | 0.16 | 9 | 11.88 | 8.21 | 9.21 |
| 10:02 | 500 | 6000 | 22.6 | 7.91 | 14182 | -268.3 | 0.09 | 9 | 11.88 | 8.21 | 9.21 |
| 10:05 | 500 | 7500 | 22.5 | 7.93 | 14283 | -268.5 | 0.10 | 9 | 11.88 | 8.21 | 9.21 |
| 10:08 | 500 | 9000 | 22.5 | 7.93 | 14288 | -268.5 | 0.12 | 9 | 11.88 | 8.21 | 9.21 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-86-120

| Date | 08/21/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 11.88 |
| Water Quality Meter | YSI | Gallons in Well | 18.01 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 122.29 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 110 |
| Water Column in | 110.41 | Total Volume to Remove | 18.01 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/21/2019 | MS/MSD Sample ID | |
| Sample Time | 08:52 | MS/MSD Sample Time | |
| Sample ID | MW-O-120-Q319 | Double Filter Turbidity | |
| Duplicate Sample ID | Mw-912-q319 | Post Sampling Turbidity | |
| Dup Sample Time | 09:02 | Purge Date | 08/21/2019 |
| Single Filter Turbidity | 7 | 3 | |
| Without Filter | 40 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:30 | 500 | 1500 | 21.9 | 8.09 | 11410 | -57.5 | 0.48 | 75 | 11.84 | 6.43 | 7.44 |
| 08:33 | 500 | 3000 | 22.1 | 8.04 | 12160 | -101.9 | 0.28 | 43 | 11.84 | 7.10 | 8.03 |
| 08:36 | 500 | 4500 | 21.7 | 8.02 | 12438 | -100.1 | 0.25 | 58 | 11.84 | 7.10 | 8.03 |
| 08:39 | 500 | 6000 | 21.8 | 8.00 | 12510 | -100.5 | 0.25 | 53 | 11.84 | 7.10 | 8.06 |
| 08:42 | 500 | 7500 | 21.8 | 7.98 | 12528 | -101.2 | 0.23 | 48 | 11.84 | 7.10 | 8.06 |
| 08:45 | 500 | 9000 | 21.8 | 7.99 | 12530 | -101.8 | 0.25 | 45 | 11.84 | 7.10 | 8.06 |
| 08:48 | 500 | 10500 | 21.9 | 7.98 | 12544 | -102.0 | 0.25 | 42 | 11.84 | 7.10 | 8.06 |
| 08:51 | 500 | 12000 | 22.0 | 7.98 | 12550 | -102.2 | 0.25 | 40 | 11.84 | 7.10 | 8.06 |

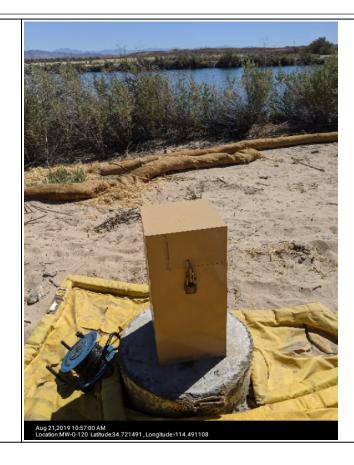
Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-86-066

| Date | 08/21/2019 | Sampler | Andrew Pham |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 11.71 |
| Water Quality Meter | YSI | Gallons in Well | 9.28 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 68.62 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 50 |
| Water Column in | 56.91 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/21/2019 | MS/MSD Sample ID | |
| Sample Time | 08:40 | MS/MSD Sample Time | |
| Sample ID | MW-O-66-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:22 | 400 | 1200 | 22.9 | 8.17 | 3054 | -7.9 | 1.96 | 30 | 11.81 | 1.59 | 1.98 |
| 08:25 | 400 | 2400 | 23.7 | 8.11 | 3047 | -13.3 | 1.76 | 16 | 11.81 | 1.59 | 1.98 |
| 08:28 | 400 | 3600 | 23.6 | 8.12 | 3088 | -14.0 | 1.67 | 11 | 11.81 | 1.61 | 1.98 |
| 08:31 | 400 | 4800 | 23.7 | 8.07 | 3145 | -12.5 | 1.60 | 8 | 11.82 | 1.64 | 2.04 |
| 08:34 | 400 | 6000 | 24.1 | 8.02 | 3208 | -11.1 | 1.47 | 8 | 11.82 | 1.68 | 2.09 |
| 08:37 | 400 | 7200 | 24.0 | 8.02 | 3299 | -6.7 | 1.44 | 8 | 11.82 | 1.80 | 2.20 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | | X | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-86-030

| Date | 08/21/2019 | Sampler | Andrew Pham |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.02 |
| Water Quality Meter | YSI | Gallons in Well | 3.4 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 32.88 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 22 |
| Water Column in | 20.86 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/21/2019 | MS/MSD Sample ID | |
| Sample Time | 09:45 | MS/MSD Sample Time | |
| Sample ID | MW-O-30-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 40 | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:05 | 400 | 1200 | 23.0 | 7.51 | 1223 | 75.9 | 0.76 | 1000 | 12.10 | 0.61 | 0.79 |
| 09:08 | 400 | 2400 | 23.2 | 7.47 | 1223 | 78.0 | 0.92 | 1000 | 12.10 | 0.61 | 0.79 |
| 09:11 | 400 | 3600 | 23.4 | 7.47 | 1220 | 86.2 | 0.62 | 1000 | 12.10 | 0.61 | 0.79 |
| 09:14 | 400 | 4800 | 24.0 | 7.41 | 1223 | 94.0 | 0.42 | 1000 | 12.11 | 0.61 | 0.79 |
| 09:17 | 400 | 6000 | 24.0 | 7.40 | 1220 | 94.4 | 0.38 | 1000 | 12.11 | 0.61 | 0.79 |
| 09:20 | 400 | 7200 | 24.2 | 7.40 | 1226 | 94.2 | 0.60 | 847 | 12.11 | 0.61 | 0.79 |
| 09:23 | 400 | 8400 | 24.2 | 7.40 | 1222 | 93.7 | 0.69 | 626 | 12.11 | 0.61 | 0.79 |
| 09:26 | 400 | 9600 | 24.2 | 7.41 | 1217 | 93.6 | 0.82 | 409 | 12.11 | 0.61 | 0.79 |
| 09:29 | 400 | 10800 | 24.2 | 7.41 | 1219 | 92.3 | 0.90 | 177 | 12.11 | 0.61 | 0.79 |
| 09:32 | 400 | 12000 | 24.2 | 7.42 | 1213 | 91.7 | 0.90 | 88 | 12.12 | 0.60 | 0.79 |
| 09:35 | 400 | 13200 | 24.2 | 7.42 | 1218 | 91.2 | 0.80 | 42 | 12.12 | 0.60 | 0.79 |
| 09:38 | 400 | 14440 | 24.1 | 7.42 | 1210 | 91.2 | 0.75 | 39 | 12.12 | 0.60 | 0.79 |
| 09:41 | 400 | 15600 | 24.3 | 7.42 | 1214 | 91.4 | 0.71 | 40 | 12.13 | 0.60 | 0.79 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | X | | |
| Traffic Poles Intact? | | | Х | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |



Project Number: RC000753.0801

MW-76-218

| Date | 08/23/2019 | Sampler | Andrew Pham |
|-------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 26.82 |
| Water Quality Meter | YSI | Gallons in Well | 31.44 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 219.56 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 208 |
| Water Column in | 192.74 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | MW-783-Q319 |
| Did Well Dewater? | No | EB Time | 10:00 |
| Sample Date | 08/23/2019 | MS/MSD Sample ID | |
| Sample Time | 09:45 | MS/MSD Sample Time | |
| Sample ID | MW-C-218-Q319 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-911-Q319 | Post Sampling Turbidity | |
| Dup Sample Time | 09:55 | Purge Date | 08/23/2019 |
| Single Filter Turbidity | 2 | ŭ | |
| Without Filter | 33 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:26 | 500 | 1500 | 29.9 | 8.82 | 17913 | 127.4 | 1.20 | 35 | 27.00 | 10.54 | 11.66 |
| 09:29 | 500 | 3000 | 29.6 | 8.57 | 17215 | 130.9 | 0.90 | 34 | 27.00 | 9.96 | 11.15 |
| 09:32 | 500 | 4500 | 29.5 | 8.43 | 17494 | 134.5 | 0.78 | 33 | 27.00 | 10.45 | 11.61 |
| 09:35 | 500 | 6000 | 29.5 | 8.44 | 19138 | 123.6 | 0.57 | 36 | 27.00 | 11.31 | 12.49 |
| 09:38 | 500 | 7500 | 29.5 | 8.44 | 19046 | 121.6 | 0.47 | 34 | 27.01 | 11.48 | 12.51 |
| 09:41 | 500 | 9000 | 29.5 | 8.44 | 19062 | 120.5 | 0.41 | 33 | 27.01 | 11.51 | 12.54 |

Well Integrity Checklist

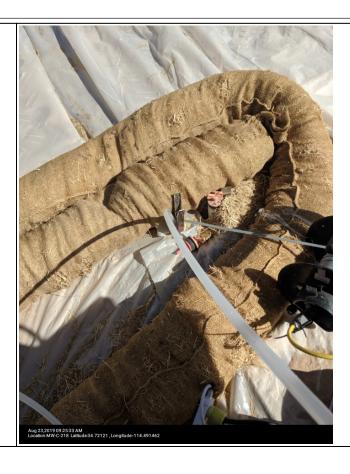
| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | | | Х | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |

Photos and Drawings



38 / 88



Project Number: RC000753.0801

MW-76-181

| Date | 08/23/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 26.95 |
| Water Quality Meter | YSI | Gallons in Well | 25.36 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 182.45 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 178 |
| Water Column in | 155.5 | Total Volume to Remove | 25.36 |
| Well | | EB Sample ID | Mw-784-Q319 |
| Did Well Dewater? | No | EB Time | 10:50 |
| Sample Date | 08/23/2019 | MS/MSD Sample ID | |
| Sample Time | 10:42 | MS/MSD Sample Time | |
| Sample ID | MW-C-181-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 5 | Post Sampling Turbidity | |
| Without Filter Turbidity | 23 | Purge Date | 08/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:20 | 500 | 1500 | 29.4 | 8.02 | 16905 | 147.1 | 0.67 | 1000 | 26.99 | 9.86 | 10.93 |
| 10:23 | 500 | 3000 | 28.7 | 7.87 | 17314 | 158.9 | 0.52 | 228 | 26.99 | 10.04 | 11.27 |
| 10:26 | 500 | 4500 | 29.4 | 7.88 | 17487 | 122.2 | 0.20 | 90 | 26.99 | 10.04 | 11.27 |
| 10:29 | 500 | 6000 | 29.4 | 7.88 | 17481 | 118.3 | 0.21 | 33 | 26.99 | 10.04 | 11.27 |
| 10:32 | 500 | 7500 | 29.3 | 7.89 | 17488 | 112.0 | 0.21 | 24 | 26.99 | 10.04 | 11.27 |
| 10:35 | 500 | 9000 | 29.1 | 7.91 | 17572 | 108.9 | 0.22 | 24 | 26.99 | 10.04 | 11.27 |
| 10:38 | 500 | 10500 | 29.2 | 7.92 | 17612 | 106.5 | 0.22 | 25 | 26.99 | 10.04 | 11.27 |
| 10:41 | 500 | 12000 | 29.2 | 7.92 | 17655 | 104.4 | 0.21 | 23 | 26.99 | 10.04 | 11.27 |

Well Integrity Checklist

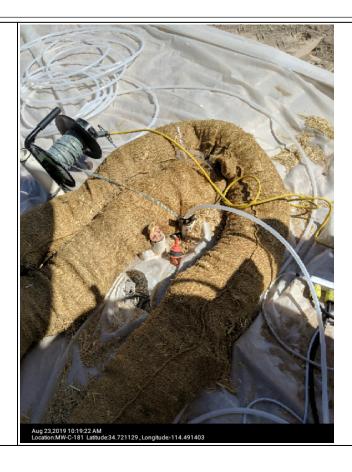
| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |

39 / 88



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-76-156

| Date | 08/23/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.53 |
| Water Quality Meter | YSI | Gallons in Well | 20.88 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 156.55 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 145 |
| Water Column in | 128.02 | Total Volume to Remove | 20.88 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/23/2019 | MS/MSD Sample ID | |
| Sample Time | 09:46 | MS/MSD Sample Time | |
| Sample ID | MW-C-156-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 6 | Post Sampling Turbidity | |
| Without Filter Turbidity | 20 | Purge Date | 08/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:26 | 500 | 1500 | 30.1 | 8.31 | 13811 | -186.6 | 0.41 | 14 | 28.58 | 7.87 | 8.77 |
| 09:29 | 500 | 3000 | 30.2 | 8.25 | 14026 | -190.4 | 0.28 | 35 | 28.58 | 7.87 | 8.77 |
| 09:32 | 500 | 4500 | 29.8 | 8.19 | 14856 | -200.2 | 0.22 | 26 | 28.58 | 7.87 | 8.77 |
| 09:35 | 500 | 6000 | 29.8 | 8.10 | 15482 | -202.3 | 0.21 | 22 | 28.58 | 7.87 | 8.77 |
| 09:38 | 500 | 7500 | 29.8 | 8.10 | 15242 | -204.5 | 0.21 | 20 | 28.58 | 7.87 | 8.77 |
| 09:41 | 500 | 9000 | 29.9 | 8.11 | 15426 | -209.8 | 0.20 | 19 | 28.58 | 7.87 | 8.77 |
| 09:44 | 500 | 10500 | 30.0 | 8.11 | 15466 | -211.5 | 0.20 | 20 | 28.58 | 7.87 | 8.77 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |

| Photos and Drawings |
|---------------------|
|---------------------|



Project Number: RC000753.0801

C-BNS

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 15 |
| Casing Material | PVC | Odor | None |
| Comments | 2102139.96 N, 7616948.68 E | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 08/21/2019 | EB Sample ID | |
| Sample Time | 11:50 | EB Time | |
| Sample ID | C-BNS-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 2 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:49 | 500 | | 22.1 | 8.15 | 951 | 66.2 | 7.12 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | | No | NA | Notes |
|------|--|----|----|-------|
| Date | | | | |
| Time | | | | |

43 / 88



Project Number: RC000753.0801

C-NR3-D

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 10 |
| Comments | 2106757.26 N, 7611725.41 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 9 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 12:00 | EB Sample ID | |
| Sample ID | C-NR3-D-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Т | īme | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|---|------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 1 | 1:59 | 500 | | 22.1 | 8.03 | 961 | 78.6 | 7.36 | 2 | | 0.47 | 0.62 |

Well Integrity Checklist

| Item | | No | NA | Notes |
|------|--|----|----|-------|
| Date | | | | |
| Time | | | | |

44 / 88



Project Number: RC000753.0801

C-NR4-D

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 11 |
| Comments | 2108625.26 N, 7607997.90 E | Odor Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 10 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 12:45 | EB Sample ID | |
| Sample ID | C-NR4-D-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:44 | 500 | | 22.9 | 8.44 | 949 | 64.9 | 6.93 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | | No | NA | Notes |
|------|--|----|----|-------|
| Date | | | | |
| Time | | | | |

45 / 88



Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-R22A-D

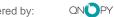
| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 6 |
| Comments | 2101638.70 N, 7616969.49 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 5 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 10:45 | EB Sample ID | |
| Sample ID | C-R22A-D-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:44 | 500 | | 21.8 | 8.11 | 958 | 68.9 | 7.83 | 2 | | 0.47 | 0.62 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |





Project Number: RC000753.0801

C-R27-D

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Sampling Type | River Sample | Gallons in Well | |
| Comments | 2102559.25 N, 7616717.45 E | Measured Well Depth (ft bmp) | 6 |
| Did Well Dewater? | No | Odor | None |
| Sample Date | 08/21/2019 | Pump Intake Depth (ft bmp) | 5 |
| Sample Time | 12:30 | Total Volume to Remove | |
| Sample ID | C-R27-D-Q319 | EB Sample ID | |
| Duplicate Sample ID | MW-905-Q319 | EB Time | |
| Dup Sample Time | 12:40 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 3 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Tim | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:2 | 9 500 | | 22.7 | 8.13 | 952 | 64.9 | 7.41 | 3 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |

47 / 88



Project Number: RC000753.0801

C-TAZ-D

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 14 |
| Comments | 2100869.26 N, 7618856.16 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 13 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 08:35 | EB Sample ID | |
| Sample ID | C-TAZ-D-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:34 | 500 | | 21.5 | 8.09 | 952 | 61.9 | 7.51 | 3 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

MW-54-195

| Date | 08/22/2019 | Sampler | Andrew Pham |
|-------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 0 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 10.94 |
| Water Quality Meter | YSI | Gallons in Well | 29.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 191.02 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 181 |
| Water Column in | 180.08 | Total Volume to Remove | 0.0 |
| Well | | EB Sample ID | MW-54-195-EB-0819 |
| Did Well Dewater? | No | EB Time | 07:15 |
| Sample Date | 08/22/2019 | MS/MSD Sample ID | |
| Sample Time | 07:50 | MS/MSD Sample Time | |
| Sample ID | MW-54-195-Q319 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:31 | 500 | 1500 | 27.5 | 8.32 | 17750 | 25.8 | 0.53 | 15 | 11.00 | 10.43 | 11.54 |
| 07:34 | 500 | 3000 | 27.5 | 8.32 | 17739 | 30.2 | 0.46 | 14 | 11.00 | 10.42 | 11.54 |
| 07:37 | 500 | 4500 | 27.6 | 8.31 | 17738 | 34.4 | 0.34 | 14 | 11.00 | 10.43 | 11.52 |
| 07:40 | 500 | 6000 | 27.6 | 8.32 | 17750 | 35.8 | 0.22 | 13 | 11.02 | 10.44 | 11.54 |
| 07:43 | 500 | 7500 | 27.6 | 8.32 | 17727 | 36.8 | 0.19 | 13 | 11.02 | 10.42 | 11.52 |
| 07:46 | 500 | 9000 | 27.6 | 8.33 | 17742 | 37.2 | 0.15 | 12 | 11.02 | 10.43 | 11.54 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

MW-57-050

| Date | 08/19/2019 | Sampler | Nara Tep |
|----------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | 51.72 |
| Water Quality Meter | YSI | Gallons in Well | 0.0 |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | 51.72 |
| Casing Material | PVC | Odor | |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | |
| Water Column in | 0.0 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Comments | Well is dry | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:02 | | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

51 / 88



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-58-065

| Date | 08/19/2019 | Sampler | Riggie | | | |
|----------------------|----------------------|------------------------------|-------------|--|--|--|
| Weather Conditions | Sunny | Color | | | | |
| Casing Material | PVC | Casing Volume to Remove | | | | |
| Casing Diameter (in) | 2 | Depth to Water (ft bmp) | 66.60 | | | |
| Water Column in | 0.54 | Gallons in Well | 0.09 | | | |
| Well | | Measured Well Depth (ft bmp) | 67.14 | | | |
| Comments | Well is insufficient | Odor | | | | |
| Did Well Dewater? | NA | Pump Intake Depth (ft bmp) | | | | |
| Sample Date | 08/19/2019 | Total Volume to Remove | | | | |
| Sample ID | MW-58-065-Q319 | EB Sample ID | EB-702-Q319 | | | |
| | | EB Time | 15:30 | | | |
| | | MS/MSD Sample ID | | | | |
| | | MS/MSD Sample Time | | | | |
| | | Double Filter Turbidity | | | | |
| | | Post Sampling Turbidity | | | | |
| | | Purge Date | 08/19/2019 | | | |

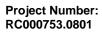
Field Parameters

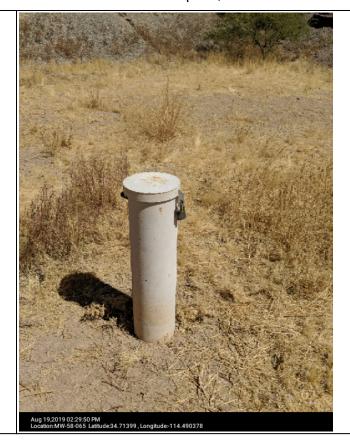
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:31 | 0 | 0 | | | | | | | 66.60 | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |
| Remarks | | | | |









Project Number: RC000753.0801

MW-58BR

| Date | 08/19/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 66.51 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | |
| Comments | Dedicated QED | Total Volume to Remove | |
| Did Well Dewater? | No | EB Sample ID | |
| Sample Date | 08/19/2019 | EB Time | |
| Sample Time | 14:58 | MS/MSD Sample ID | |
| Sample ID | MW-58BR-Q319 | MS/MSD Sample Time | |
| Duplicate Sample ID | MW-901-Q319 | Double Filter Turbidity | |
| Dup Sample Time | 15:08 | Post Sampling Turbidity | |
| Single Filter Turbidity | 1 | Purge Date | 08/19/2019 |
| Without Filter | 3 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:29 | 200 | 800 | 30.5 | 8.04 | 9364 | 47.9 | 0.44 | 23 | 66.62 | 5.20 | 6.07 |
| 14:33 | 200 | 1600 | 30.4 | 7.99 | 9360 | 45.9 | 0.34 | 13 | 66.68 | 5.20 | 6.07 |
| 14:37 | 200 | 2400 | 30.4 | 7.96 | 9353 | 45.3 | 0.31 | 6 | 66.70 | 5.21 | 6.07 |
| 14:41 | 200 | 3200 | 30.5 | 7.95 | 9350 | 45.0 | 0.34 | 4 | 66.71 | 5.20 | 6.07 |
| 14:45 | 200 | 4000 | 30.5 | 7.94 | 9350 | 44.3 | 0.34 | 3 | 66.71 | 5.20 | 6.07 |
| 14:49 | 200 | 4800 | 30.6 | 7.94 | 9348 | 44.1 | 0.32 | 3 | 66.72 | 5.19 | 6.07 |
| 14:53 | 200 | 5600 | 30.6 | 7.94 | 9346 | 44.0 | 0.31 | 3 | 66.72 | 5.19 | 6.07 |
| 14:57 | 200 | 6400 | 30.6 | 7.93 | 9345 | 43.6 | 0.30 | 3 | 66.72 | 5.19 | 6.07 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |

55 / 88



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

MW-64BR

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 119.30 |
| Water Quality Meter | YSI | Gallons in Well | 203.61 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 258.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | |
| Water Column in | 138.7 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Comments | Dedicated QED | EB Time | |
| Did Well Dewater? | No | MS/MSD Sample ID | |
| Sample Date | 08/22/2019 | MS/MSD Sample Time | |
| Sample Time | 14:54 | Double Filter Turbidity | |
| Sample ID | MW-64BR-Q319 | Post Sampling Turbidity | |
| Single Filter Turbidity | 1 | Purge Date | 08/22/2019 |
| Without Filter | 3 | 9- = | |

Field Parameters

Turbidity

| i icia i aia | 11101010 | | | | | | | | | | |
|--------------|--|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 14:25 | 200 | 800 | 33.1 | 7.80 | 14697 | 7.1 | 0.27 | 9 | 119.41 | 8.42 | 9.56 |
| 14:29 | 200 | 1600 | 33.4 | 7.76 | 14650 | 11.4 | 0.23 | 6 | 119.48 | 8.35 | 9.52 |
| 14:33 | 200 | 2400 | 33.4 | 7.75 | 14663 | 12.9 | 0.20 | 5 | 119.53 | 8.35 | 9.52 |
| 14:37 | 200 | 3200 | 33.4 | 7.75 | 14680 | 9.6 | 0.19 | 5 | 119.55 | 8.37 | 9.55 |
| 14:41 | 200 | 4000 | 33.4 | 7.75 | 14683 | 10.6 | 0.19 | 4 | 119.53 | 8.37 | 9.55 |
| 14:45 | 200 | 4800 | 33.6 | 7.73 | 14685 | 11.0 | 0.18 | 4 | 119.56 | 8.37 | 9.55 |
| 14:49 | 200 | 5600 | 33.6 | 7.73 | 14689 | 11.6 | 0.18 | 3 | 119.56 | 8.37 | 9.55 |
| 14:53 | 200 | 6400 | 33.6 | 7.72 | 14690 | 11.9 | 0.17 | 3 | 119.56 | 8.37 | 9.55 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-72-080

| Date | 08/22/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 57.54 |
| Water Quality Meter | YSI | Gallons in Well | 3.44 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 78.61 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 73 |
| Water Column in | 21.07 | Total Volume to Remove | 3.44 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/22/2019 | MS/MSD Sample ID | |
| Sample Time | 13:44 | MS/MSD Sample Time | |
| Sample ID | MW-72-080-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 7 | Post Sampling Turbidity | |
| Without Filter Turbidity | 29 | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:19 | 500 | 1500 | 28.9 | 7.97 | 15628 | 167.8 | 0.99 | 116 | 57.60 | 9.19 | 10.29 |
| 13:22 | 500 | 3000 | 29.0 | 7.97 | 15632 | 167.8 | 0.91 | 83 | 57.60 | 9.19 | 10.28 |
| 13:25 | 500 | 4500 | 29.0 | 7.98 | 15660 | 168.4 | 0.91 | 63 | 57.60 | 9.19 | 10.28 |
| 13:28 | 500 | 6000 | 29.0 | 7.98 | 15660 | 168.9 | 0.93 | 50 | 57.60 | 9.19 | 10.28 |
| 13:31 | 500 | 7500 | 28.9 | 7.98 | 15705 | 169.1 | 0.99 | 36 | 57.60 | 9.19 | 10.28 |
| 13:34 | 500 | 9000 | 29.0 | 7.98 | 15732 | 169.4 | 1.00 | 35 | 57.60 | 9.19 | 10.28 |
| 13:37 | 500 | 10500 | 28.9 | 7.97 | 15774 | 169.9 | 1.04 | 34 | 57.60 | 9.19 | 10.28 |
| 13:40 | 500 | 12000 | 28.9 | 7.97 | 15751 | 170.0 | 1.05 | 35 | 57.60 | 9.19 | 10.28 |
| 13:43 | 500 | 13500 | 29.0 | 7.98 | 15720 | 170.2 | 1.06 | 33 | 57.60 | 9.19 | 10.28 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |

59 / 88



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |
| Action Completed? | | | Х | |

60 / 88



Project Number: RC000753.0801

MW-73-080

| Date | 08/22/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 50.33 |
| Water Quality Meter | YSI | Gallons in Well | 4.75 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 79.45 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 75 |
| Water Column in | 29.12 | Total Volume to Remove | 4.75 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 08/22/2019 | MS/MSD Sample ID | |
| Sample Time | 14:50 | MS/MSD Sample Time | |
| Sample ID | MW-73-080-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 7 | Post Sampling Turbidity | |
| Without Filter Turbidity | 45 | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:34 | 200 | 600 | 28.7 | 7.67 | 11824 | 134.0 | 1.14 | 55 | 51.55 | 6.70 | 7.66 |
| 14:37 | 200 | 1200 | 28.9 | 7.65 | 12044 | 132.0 | 1.00 | 50 | 51.60 | 6.70 | 7.66 |
| 14:40 | 200 | 1800 | 29.0 | 7.64 | 12211 | 131.0 | 1.03 | 48 | 51.77 | 6.70 | 7.66 |
| 14:43 | 200 | 2400 | 29.0 | 7.63 | 12255 | 130.8 | 1.05 | 45 | 51.80 | 6.70 | 7.66 |
| 14:46 | 200 | 3000 | 28.9 | 7.63 | 12301 | 129.8 | 1.06 | 45 | 51.82 | 6.70 | 7.66 |
| 14:49 | 200 | 3600 | 28.9 | 7.63 | 12313 | 129.5 | 1.03 | 45 | 51.82 | 6.70 | 7.66 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

61 / 88



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | | Х | | |
| Action Completed? | | | Х | |

| E | Ρh | otos | and | Drawings |
|---|-----|------|-----|-----------------|
| г | -11 | OLUS | anu | Diawillus |



Project Number: RC000753.0801

PE-01

| Date | 08/07/2019 | Sampler | Spencer Doolittle, Andrew Pham |
|-------------------------|-----------------------|------------------------------|--------------------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Purge Volume Units | MI,Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Extraction port | Measured Well Depth (ft bmp) | |
| Casing Material | Stainless Steel | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 08/07/2019,08/22/2019 | Total Volume to Remove | |
| Sample Time | 12:30,12:10 | EB Sample ID | |
| Sample ID | PE-01-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 1,2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/07/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:10 | 1 | 5 | 33.6 | 7.57 | 98.1 | 158.2 | 0.44 | 2 | | 0.04 | 0.06 |
| 12:30 | | | 33.1 | 7.50 | 2707 | -11.1 | 1.09 | 1 | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | | | X | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801





Project Number: RC000753.0801

R-19

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 3 |
| Comments | 2103323.50 N, 7616202.31 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 2 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 09:10 | EB Sample ID | |
| Sample ID | R-19-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:09 | | | 22.2 | 8.13 | 954 | 60.3 | 7.59 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

R-28

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 3 |
| Comments | 2103076.57 N, 7616324.97 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 2 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 13:15 | EB Sample ID | |
| Sample ID | R-28-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:14 | 500 | | 23.0 | 8.13 | 958 | 62.9 | 7.79 | 3 | | 0.47 | 0.62 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

R63

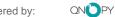
| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 3 |
| Comments | 2100798.24 N, 7617352.72 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 2 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 10:15 | EB Sample ID | |
| Sample ID | R63-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:14 | 500 | | 22.2 | 8.15 | 956 | 66.9 | 7.46 | 3 | | 0.47 | 0.62 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |





Project Number: RC000753.0801

RMP-AB1

| Date | 08/21/2019 | Sampler | Nara Tep |
|--------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Comments | 2101638.70 N, 7616969.49 E | Casing Volume to Remove | |
| Sample Date | 08/21/2019 | Depth to Water (ft bmp) | |
| Sample Time | 10:30 | Gallons in Well | |
| Sample ID | RMP-AB1-Q319 | Measured Well Depth (ft bmp) | |
| | | Odor | None |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:25 | | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |

68 / 88



Project Number: RC000753.0801

RMP-AB2

| Date | 08/21/2019 | Sampler | Nara Tep |
|--------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Comments | 2103076.57 N, 7616324.97 E | Casing Volume to Remove | |
| Did Well Dewater? | No | Depth to Water (ft bmp) | |
| Sample Date | 08/21/2019 | Gallons in Well | |
| Sample Time | 13:30 | Measured Well Depth (ft bmp) | |
| Sample ID | RMP-AB2-Q319 | Odor Odor | None |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:30 | | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |

69 / 88



Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

RMP-AB3

| Date | 08/22/2019 | Sampler | Nara Tep |
|--------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Comments | 2108625.26 N, 7607997.90 E | Casing Volume to Remove | |
| Sample Date | 08/22/2019 | Depth to Water (ft bmp) | |
| Sample Time | 13:15 | Gallons in Well | |
| Sample ID | RMP-AB3-Q319 | Measured Well Depth (ft bmp) | |
| • | | Odor | None |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:15 | | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

RRB

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Surface water | Measured Well Depth (ft bmp) | |
| Comments | 2104536.53 N, 7615238.97 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 09:35 | EB Sample ID | |
| Sample ID | RRB-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:35 | | | 21.6 | 8.02 | 981 | 57.9 | | 3 | | 0.47 | 0.62 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

SW1

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | _ Gallons in Well | |
| Sampling Type | Surface water | Measured Well Depth (ft bmp) | |
| Comments | 2101306.62 N, 7616724.26 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 14:30 | _ EB Sample ID | |
| Sample ID | SW1-Q319 | _ EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 8 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:30 | | | 23.6 | 7.98 | 1020 | 62.7 | 3.62 | 8 | | 0.50 | 0.66 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

SW2

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Surface water | Measured Well Depth (ft bmp) | |
| Comments | 2101076.21 N, 7616905.93 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 14:50 | EB Sample ID | |
| Sample ID | SW2-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 6 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:50 | | | 23.3 | 8.01 | 1016 | 56.9 | 4.68 | 6 | | 0.50 | 0.65 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |

73 / 88



Project Number: RC000753.0801

TW-03D

| Date | 08/07/2019 | Sampler | Spencer Doolittle,Riggie |
|-------------------------|-----------------------|------------------------------|--------------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Purge Volume Units | MI,Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Extraction port | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Comments | Port sample | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | NA | Total Volume to Remove | |
| Sample Date | 08/07/2019,08/22/2019 | EB Sample ID | |
| Sample Time | 12:20,12:25 | EB Time | |
| Sample ID | TW-03D-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 1,3 | Double Filter Turbidity | 1 |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 08/07/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:20 | | | 29.9 | 7.24 | 9196 | 7.9 | 2.17 | 1 | | | |
| 12:20 | 1 | 5 | 26.4 | 7.68 | 5623 | 118.4 | 1.90 | 3 | | 2.48 | 2.89 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | Х | | |
| Action Completed? | | | X | |
| Remarks | | | | |





Project Number: RC000753.0801



Project Number: RC000753.0801

C-CON-D

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 12 |
| Comments | 2105632.84 N, 7614087.61 E | Odor | None |
| Sample Date | 08/22/2019 | Pump Intake Depth (ft bmp) | 11 |
| Sample Time | 10:05 | Total Volume to Remove | |
| Sample ID | <u>C-CON-D-Q319</u> | EB Sample ID | |
| Single Filter Turbidity | 1 | EB Time | |
| Without Filter | 2 | MS/MSD Sample ID | |
| Turbidity | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:04 | | | 22.0 | 8.12 | 948 | 61.6 | 7.24 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-CON-S

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 12 |
| Comments | 2105632.84 N, 7614087.61 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 10:20 | EB Sample ID | |
| Sample ID | C-CON-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:19 | 500 | | 22.2 | 8.15 | 946 | 65.7 | 7.09 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-I-3-D

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 13 |
| Comments | 2101055.46 N, 7617745.00 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 12 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 09:20 | _ EB Sample ID | |
| Sample ID | C-I-3-D-Q319 | _ EB Time | |
| Duplicate Sample ID | MW-904-Q319 | MS/MSD Sample ID | |
| Dup Sample Time | 09:30 | MS/MSD Sample Time | |
| Single Filter Turbidity | 1 | Double Filter Turbidity | |
| Without Filter | 3 | Post Sampling Turbidity | |
| Turbidity | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:19 | 500 | | 21.4 | 8.12 | 951 | 67.6 | 7.58 | 3 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-I-3-S

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 13 |
| Comments | 2101055.46 N, 7617745.00 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 09:50 | EB Sample ID | |
| Sample ID | C-I-3-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:49 | 500 | | 21.4 | 8.13 | 952 | 65.8 | 7.12 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-MAR-D

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 6 |
| Comments | 2102571.80 N, 7617737.85 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 5 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 08:30 | EB Sample ID | |
| Sample ID | C-MAR-D-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 8 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:29 | 500 | | 22.0 | 8.15 | 947 | 49.6 | 7.79 | 8 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-MAR-S

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 6 |
| Comments | 2102571.80 N, 7617737.85 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 08:45 | EB Sample ID | |
| Sample ID | C-MAR-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 5 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:44 | 500 | | 22.1 | 8.16 | 956 | 51.6 | 7.76 | 5 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-NR1-D

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 8 |
| Comments | 2106026.49 N, 7613284.78 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 7 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 10:50 | EB Sample ID | |
| Sample ID | C-NR1-D-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:49 | 500 | | 22.2 | 8.11 | 948 | 64.9 | 7.12 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-NR1-S

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 8 |
| Comments | 2106026.49 N, 7613284.78 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 11:05 | EB Sample ID | |
| Sample ID | C-NR1-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:04 | 500 | | 22.1 | 8.15 | 946 | 65.9 | 7.08 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-NR3-S

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 10 |
| Comments | 2106757.26 N, 7611725.41 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 12:15 | EB Sample ID | |
| Sample ID | C-NR3-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:14 | 500 | | 22.5 | 8.10 | 947 | 66.9 | 6.93 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-NR4-S

| Date | 08/22/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | _ Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 11 |
| Comments | 2108625.26 N, 7607997.90 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/22/2019 | Total Volume to Remove | |
| Sample Time | 13:05 | EB Sample ID | |
| Sample ID | C-NR4-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:04 | 500 | | 22.9 | 8.16 | 950 | 61.0 | 6.82 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-R22A-S

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 6 |
| Comments | 2101638.70 N, 7616969.49 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 11:05 | EB Sample ID | |
| Sample ID | C-R22A-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:04 | 500 | | 22.3 | 8.15 | 952 | 71.6 | 7.50 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-R27-S

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 6 |
| Comments | 2102559.25 N, 7616717.45 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 12:55 | EB Sample ID | |
| Sample ID | C-R27-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:54 | 500 | | 23.1 | 8.15 | 955 | 66.0 | 7.48 | 3 | | 0.47 | 0.62 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-TAZ-S

| Date | 08/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 14 |
| Comments | 2100869.26 N, 7618856.16 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 08/21/2019 | Total Volume to Remove | |
| Sample Time | 08:50 | EB Sample ID | |
| Sample ID | C-TAZ-S-Q319 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 08/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:49 | 500 | | 21.4 | 8.11 | 954 | 65.9 | 7.63 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

MW-78-142

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 46.80 |
| Water Quality Meter | YSI | Gallons in Well | 15.53 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 142.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 132 |
| Water Column in | 95.2 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-704-Q319 |
| Did Well Dewater? | No | EB Time | 16:00 |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 15:37 | MS/MSD Sample Time | |
| Sample ID | MW-E-142-LF-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:20 | 500 | 2000 | 29.7 | 7.42 | 12498 | 110.7 | 0.80 | 38 | 46.90 | 7.38 | 8.41 |
| 15:24 | 500 | 4000 | 29.9 | 7.43 | 12541 | 100.7 | 0.64 | 25 | 46.90 | 7.36 | 8.39 |
| 15:28 | 500 | 6000 | 29.9 | 7.41 | 12569 | 95.9 | 0.56 | 20 | 46.90 | 7.44 | 8.47 |
| 15:32 | 500 | 8000 | 29.9 | 7.42 | 12598 | 93.8 | 0.52 | 18 | 46.90 | 7.44 | 8.47 |
| 15:36 | 500 | 10000 | 29.9 | 7.42 | 12631 | 91.0 | 0.48 | 15 | 46.90 | 7.44 | 8.47 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | X | | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-78-072

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 46.20 |
| Water Quality Meter | YSI | Gallons in Well | 4.17 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 71.77 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 60 |
| Water Column in | 25.57 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 14:33 | MS/MSD Sample Time | |
| Sample ID | MW-E-72-LF-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:16 | 500 | 2000 | 29.8 | 7.61 | 2482 | 68.1 | 7.44 | 20 | 46.28 | 1.35 | 1.71 |
| 14:20 | 500 | 4000 | 29.8 | 7.56 | 2483 | 71.1 | 7.17 | 14 | 46.33 | 1.35 | 1.71 |
| 14:24 | 500 | 6000 | 29.9 | 7.52 | 2486 | 74.4 | 7.03 | 10 | 46.33 | 1.35 | 1.71 |
| 14:28 | 500 | 8000 | 29.9 | 7.50 | 2489 | 77.0 | 6.97 | 8 | 46.33 | 1.35 | 1.71 |
| 14:32 | 500 | 10000 | 29.9 | 7.50 | 2494 | 75.3 | 6.83 | 8 | 46.36 | 1.33 | 1.68 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | X | | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

3 / 111



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-79-104

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 45.84 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 99 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 09/27/2019 | EB Sample ID | EB-706-Q319 |
| Sample Time | 11:09 | EB Time | 11:30 |
| Sample ID | MW-F-104-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 3 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:52 | 500 | 2000 | 29.7 | 7.58 | 8630 | 120.7 | 1.20 | 6 | 45.94 | 5.01 | 5.86 |
| 10:56 | 500 | 4000 | 29.8 | 7.58 | 8633 | 116.5 | 1.29 | 5 | 45.94 | 5.01 | 5.86 |
| 11:00 | 500 | 6000 | 29.9 | 7.59 | 8642 | 115.2 | 1.34 | 3 | 45.94 | 5.01 | 6.87 |
| 11:04 | 500 | 8000 | 30.0 | 7.59 | 8638 | 112.8 | 1.27 | 3 | 45.94 | 5.01 | 6.87 |
| 11:08 | 500 | 10000 | 30.0 | 7.59 | 8644 | 110.7 | 1.23 | 3 | 45.94 | 5.01 | 6.87 |

Well Integrity Checklist

Feb 4, 2020, 4:33 PM

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | X | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-79-060

| Date | 09/27/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 45.94 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow - Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 55 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 09/27/2019 | EB Sample ID | |
| Sample Time | 10:15 | EB Time | |
| Sample ID | MW-F-60-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 18 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 09/27/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:58 | 500 | 2000 | 29.7 | 7.49 | 3347 | 81.0 | 3.74 | 48 | 46.04 | 1.85 | 2.31 |
| 10:02 | 500 | 4000 | 29.9 | 7.50 | 3333 | 81.4 | 3.84 | 28 | 46.06 | 1.84 | 2.30 |
| 10:06 | 500 | 6000 | 29.7 | 7.51 | 3325 | 82.5 | 3.99 | 22 | 46.10 | 1.84 | 2.29 |
| 10:10 | 500 | 8000 | 29.8 | 7.51 | 3319 | 83.4 | 4.12 | 20 | 46.13 | 1.84 | 2.29 |
| 10:14 | 500 | 10000 | 29.9 | 7.51 | 3312 | 84.0 | 4.18 | 18 | 46.13 | 1.84 | 2.29 |

Well Integrity Checklist

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------|-----|----|----|-------|
| Remarks | | | | |

Feb 4, 2020, 4:33 PM



Project Number: RC000753.0801

MW-80-057

| Date | 09/27/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 48.69 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 52 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 09/27/2019 | EB Sample ID | |
| Sample Time | 08:11 | EB Time | |
| Sample ID | MW-G-57-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 12 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 09/27/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:54 | 500 | 2000 | 29.4 | 7.90 | 5433 | 107.9 | 4.14 | 22 | 48.74 | 3.12 | 3.77 |
| 07:58 | 500 | 4000 | 29.7 | 7.83 | 5419 | 107.0 | 4.51 | 17 | 48.78 | 3.09 | 3.74 |
| 08:02 | 500 | 6000 | 29.8 | 7.80 | 5413 | 106.2 | 4.54 | 13 | 48.81 | 3.09 | 3.73 |
| 08:06 | 500 | 8000 | 29.9 | 7.78 | 5411 | 104.5 | 4.57 | 12 | 48.81 | 3.09 | 3.73 |
| 08:11 | 500 | 10000 | 29.9 | 7.77 | 5402 | 102.4 | 4.60 | 12 | 48.84 | 3.09 | 3.73 |

Well Integrity Checklist

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801





Project Number: RC000753.0801

MW-80-082

| Date | 09/27/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 49.11 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 77 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 09/27/2019 | EB Sample ID | |
| Sample Time | 09:21 | EB Time | |
| Sample ID | MW-G-82-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 8 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 09/27/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:04 | 500 | 2000 | 29.4 | 7.44 | 9405 | 124.8 | 4.33 | 20 | 49.23 | 5.52 | 6.43 |
| 09:08 | 500 | 4000 | 29.4 | 7.44 | 9411 | 116.2 | 4.15 | 15 | 49.23 | 5.52 | 6.42 |
| 09:12 | 500 | 6000 | 29.5 | 7.43 | 9418 | 112.1 | 4.06 | 10 | 49.23 | 5.52 | 6.42 |
| 09:16 | 500 | 8000 | 29.6 | 7.43 | 9415 | 109.0 | 4.01 | 8 | 49.23 | 5.52 | 6.42 |
| 09:20 | 500 | 10000 | 29.6 | 7.43 | 9421 | 106.2 | 3.97 | 8 | 49.23 | 5.52 | 6.42 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | X | | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-83-245

| Date | 09/25/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 73.90 |
| Water Quality Meter | YSI | Gallons in Well | 27.91 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 245.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 240 |
| Water Column in | 171.1 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-789-Q319 |
| Did Well Dewater? | No | EB Time | 15:00 |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 14:30 | MS/MSD Sample Time | |
| Sample ID | MW-L-245-Q319 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-910-Q319 | Post Sampling Turbidity | |
| Dup Sample Time | 14:40 | Purge Date | 09/25/2019 |
| Single Filter Turbidity | 1 | 9. = | |
| Without Filter | 2 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:09 | 500 | 2000 | 29.8 | 9.16 | 18372 | -59.6 | 0.35 | 9 | 74.02 | 10.75 | 11.89 |
| 14:13 | 500 | 4000 | 29.8 | 8.93 | 18604 | -29.6 | 0.49 | 3 | 74.02 | 10.96 | 12.11 |
| 14:17 | 500 | 6000 | 30.1 | 8.89 | 18745 | -14.9 | 0.26 | 2 | 74.02 | 11.03 | 12.21 |
| 14:21 | 500 | 8000 | 30.3 | 8.86 | 18847 | -13.9 | 0.21 | 2 | 74.02 | 11.09 | 12.26 |
| 14:25 | 500 | 10000 | 30.3 | 8.86 | 18871 | -13.2 | 0.20 | 2 | 74.02 | 11.09 | 12.26 |
| 14:29 | 500 | 12000 | 30.3 | 8.86 | 18849 | -13.0 | 0.20 | 2 | 74.02 | 11.09 | 12.26 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |

13 / 111



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |

| Photos | and | Drawings |
|----------|-----|-----------------|
| 1 110103 | ana | Diawings |



Project Number: RC000753.0801

MW-83-90

| Date | 09/25/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 73.27 |
| Water Quality Meter | YSI | Gallons in Well | 3.02 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 91.77 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 82 |
| Water Column in | 18.5 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 11:05 | MS/MSD Sample Time | |
| Sample ID | MW-L-90-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| | | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:48 | 500 | 2000 | 30.9 | 7.64 | 2320 | 71.4 | 4.40 | | 73.40 | 1.27 | 1.62 |
| 10:52 | 500 | 4000 | 30.8 | 7.56 | 2328 | 75.9 | 4.33 | | 73.40 | 1.26 | 1.60 |
| 10:56 | 500 | 6000 | 30.7 | 7.54 | 2331 | 77.2 | 4.35 | | 73.40 | 1.26 | 1.61 |
| 11:00 | 500 | 8000 | 30.7 | 7.53 | 2333 | 79.4 | 4.31 | | 73.40 | 1.26 | 1.61 |
| 11:04 | 500 | 10000 | 30.7 | 7.53 | 2334 | 81.0 | 4.28 | | 73.40 | 1.26 | 1.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |

15 / 111



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-83-180

| Date | 09/25/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 73.27 |
| Water Quality Meter | YSI | Gallons in Well | 17.41 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 180.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 106.73 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 13:57 | MS/MSD Sample Time | |
| Sample ID | MW-L-180-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 24 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:40 | 500 | 2000 | 30.2 | 7.74 | 11587 | 103.5 | 0.99 | 38 | 73.34 | 7.01 | 8.00 |
| 13:44 | 500 | 4000 | 30.2 | 7.76 | 11624 | 100.2 | 0.91 | 32 | 73.34 | 7.01 | 8.00 |
| 13:48 | 500 | 6000 | 30.4 | 7.77 | 11682 | 97.8 | 0.80 | 28 | 73.34 | 7.03 | 8.02 |
| 13:52 | 500 | 8000 | 30.4 | 7.78 | 11752 | 94.4 | 0.77 | 26 | 73.34 | 7.05 | 8.03 |
| 13:56 | 500 | 10000 | 30.4 | 7.80 | 11795 | 89.2 | 0.73 | 24 | 73.34 | 7.05 | 8.04 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-83-225

| Date | 09/25/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 74.16 |
| Water Quality Meter | YSI | Gallons in Well | 24.6 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 225.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 215 |
| Water Column in | 150.84 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 14:55 | MS/MSD Sample Time | |
| Sample ID | MW-L-225-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:38 | 500 | 2000 | 30.4 | 7.96 | 16582 | 101.7 | 1.01 | 10 | 74.28 | 10.08 | 11.18 |
| 14:42 | 500 | 4000 | 30.5 | 7.98 | 16602 | 96.5 | 0.79 | 5 | 74.28 | 10.15 | 11.29 |
| 14:48 | 500 | 6000 | 30.6 | 8.00 | 16642 | 94.2 | 0.64 | 5 | 74.28 | 10.18 | 11.32 |
| 14:50 | 500 | 8000 | 30.6 | 8.00 | 16672 | 91.7 | 0.59 | 5 | 74.28 | 10.19 | 11.32 |
| 14:54 | 500 | 10000 | 30.6 | 8.00 | 76681 | 90.0 | 0.56 | 5 | 74.28 | 10.19 | 11.32 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-85-129

| 09/24/2019 | Sampler | Nara Tep |
|-------------------------|--|---|
| Sunny | Color | Clear |
| Low Flow | Casing Volume to Remove | |
| MI | Depth to Water (ft bmp) | 114.11 |
| YSI | Gallons in Well | 2.79 |
| Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 131.24 |
| PVC | Odor | None |
| 2 | Pump Intake Depth (ft bmp) | 121 |
| 17.13 | Total Volume to Remove | |
| | EB Sample ID | EB-787-Q319 |
| No | - EB Time | 15:50 |
| 09/24/2019 | MS/MSD Sample ID | |
| 15:32 | | |
| MW-N-129-Q319 | · | |
| MW-909-Q319 | • | |
| 15:42 | | 09/24/2019 |
| 1 | _ | |
| 9 | _ | |
| | Sunny Low Flow MI YSI Low Flow – Grundfos RF2 PVC 2 17.13 No 09/24/2019 15:32 MW-N-129-Q319 MW-909-Q319 15:42 1 | Sunny Low Flow Casing Volume to Remove MI Depth to Water (ft bmp) Gallons in Well Low Flow – Grundfos RF2 Measured Well Depth (ft bmp) PVC Odor Pump Intake Depth (ft bmp) Total Volume to Remove EB Sample ID EB Time MS/MSD Sample ID MS/MSD Sample Time MW-N-129-Q319 MW-909-Q319 Double Filter Turbidity MW-909-Q319 Purge Date |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:11 | 500 | 2000 | 31.9 | 7.33 | 2121 | 50.3 | 5.75 | 91 | 114.19 | 1.06 | 1.37 |
| 15:15 | 500 | 4000 | 32.1 | 7.34 | 2110 | 49.8 | 5.60 | 56 | 114.19 | 1.05 | 1.37 |
| 15:19 | 500 | 6000 | 32.0 | 7.34 | 2077 | 49.3 | 5.64 | 23 | 114.19 | 1.06 | 1.34 |
| 15:23 | 500 | 8000 | 32.3 | 7.33 | 2112 | 50.1 | 5.40 | 10 | 114.19 | 1.07 | 1.35 |
| 15:27 | 500 | 10000 | 32.4 | 7.33 | 2116 | 50.9 | 5.42 | 9 | 114.19 | 1.07 | 1.35 |
| 15:31 | 500 | 12000 | 32.4 | 7.33 | 2117 | 51.3 | 5.43 | 9 | 114.19 | 1.07 | 1.35 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-85-217

| Date | 09/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Green |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 113.41 |
| Water Quality Meter | YSI | Gallons in Well | 16.98 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 217.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 206 |
| Water Column in | 104.1 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 14:42 | MS/MSD Sample Time | |
| Sample ID | MW-N-217-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:17 | 500 | 2000 | 31.4 | 7.91 | 13142 | 32.4 | 0.16 | 82 | 113.60 | 7.48 | 8.54 |
| 14:21 | 500 | 4000 | 31.4 | 7.91 | 13147 | 32.2 | 0.15 | 49 | 113.60 | 7.50 | 8.54 |
| 14:25 | 500 | 6000 | 31.4 | 7.89 | 13103 | 31.7 | 0.15 | 31 | 113.60 | 7.49 | 8.54 |
| 14:29 | 500 | 8000 | 31.5 | 7.89 | 13127 | 30.7 | 0.14 | 19 | 113.60 | 7.47 | 8.52 |
| 14:33 | 500 | 10000 | 31.6 | 7.89 | 13115 | 30.1 | 0.14 | 10 | 113.60 | 7.48 | 8.52 |
| 14:37 | 500 | 12000 | 31.6 | 7.89 | 13120 | 29.9 | 0.14 | 9 | 113.60 | 7.48 | 8.52 |
| 14:41 | 500 | 14000 | 31.6 | 7.89 | 13121 | 29.5 | 0.13 | 9 | 113.60 | 7.48 | 8.52 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-85-237

| Date | 09/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 113.52 |
| Water Quality Meter | YSI | Gallons in Well | 20.33 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 238.18 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 231 |
| Water Column in | 124.66 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 13:44 | MS/MSD Sample Time | |
| Sample ID | MW-N-237-Q319 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 18 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:46 | | | | | | | | | | | |
| 13:19 | 500 | 2000 | 29.8 | 8.11 | 16170 | 49.1 | 0.37 | 259 | 113.66 | 9.59 | 10.80 |
| 13:23 | 500 | 4000 | 31.3 | 8.03 | 18376 | 43.9 | 0.25 | 78 | 113.68 | 10.79 | 11.96 |
| 13:27 | 500 | 6000 | 31.2 | 7.94 | 18536 | 39.6 | 0.24 | 36 | 113.68 | 10.88 | 12.03 |
| 13:31 | 500 | 8000 | 31.2 | 7.91 | 18523 | 38.8 | 0.24 | 23 | 113.68 | 10.74 | 12.05 |
| 13:35 | 500 | 10000 | 31.3 | 7.89 | 18496 | 35.5 | 0.26 | 19 | 113.68 | 10.74 | 12.05 |
| 13:39 | 500 | 12000 | 31.3 | 7.89 | 18492 | 34.6 | 0.26 | 18 | 113.68 | 10.74 | 12.05 |
| 13:43 | 500 | 14000 | 31.3 | 7.89 | 18490 | 34.0 | 0.26 | 18 | 113.68 | 10.74 | 12.05 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-90-031

| Date | 09/23/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Cloudy | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 4.05 |
| Water Quality Meter | YSI | Gallons in Well | 4.54 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 31.90 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 26.5 |
| Water Column in | 27.85 | Total Volume to Remove | 4.54 |
| Well | | EB Sample ID | EB-785-Q319 |
| Did Well Dewater? | No | EB Time | 15:30 |
| Sample Date | 09/23/2019 | MS/MSD Sample ID | |
| Sample Time | 15:16 | MS/MSD Sample Time | |
| Sample ID | MW-W-31-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 09/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:59 | 500 | 2000 | 26.3 | 6.92 | 14419 | -112.6 | 0.07 | 6 | 4.20 | 8.35 | 9.36 |
| 15:03 | 500 | 4000 | 26.3 | 6.95 | 14764 | -113.9 | 0.06 | 5 | 4.20 | 8.55 | 9.59 |
| 15:07 | 500 | 6000 | 26.3 | 6.96 | 14739 | -113.9 | 0.05 | 5 | 4.20 | 8.55 | 9.61 |
| 15:11 | 500 | 8000 | 26.4 | 6.96 | 14741 | -114.3 | 0.05 | 4 | 4.20 | 8.55 | 9.62 |
| 15:15 | 500 | 10000 | 26.4 | 6.96 | 14743 | -114.9 | 0.05 | 4 | 4.20 | 8.55 | 9.62 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-75-117

| Date | 09/27/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 17.05 |
| Water Quality Meter | YSI | Gallons in Well | 16.3 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 117.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 107 |
| Water Column in | 99.95 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/27/2019 | MS/MSD Sample ID | |
| Sample Time | 08:58 | MS/MSD Sample Time | |
| Sample ID | MW-B-117-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 09/27/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:37 | 500 | 2000 | 27.7 | 7.74 | 11490 | -10.6 | 0.21 | 3 | 17.11 | 6.51 | 7.46 |
| 08:41 | 500 | 4000 | 27.7 | 7.75 | 11438 | 0.1 | 0.14 | 2 | 17.11 | 6.48 | 7.44 |
| 08:45 | 500 | 6000 | 27.7 | 7.75 | 11439 | 2.8 | 0.14 | 2 | 17.11 | 6.48 | 7.42 |
| 08:49 | 500 | 8000 | 27.8 | 7.75 | 11431 | 7.9 | 0.13 | 2 | 17.11 | 6.46 | 7.42 |
| 08:53 | 500 | 10000 | 27.8 | 7.75 | 11428 | 8.6 | 0.13 | 2 | 17.11 | 6.46 | 7.42 |
| 08:57 | 500 | 12000 | 27.8 | 7.75 | 11426 | 9.1 | 0.12 | 2 | 17.11 | 6.46 | 7.42 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-75-033

| Date | 09/27/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 16.90 |
| Water Quality Meter | YSI | Gallons in Well | 2.82 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 34.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 25 |
| Water Column in | 17.3 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/27/2019 | MS/MSD Sample ID | |
| Sample Time | 08:16 | MS/MSD Sample Time | |
| Sample ID | MW-B-33-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 09/27/2019 |

Field Parameters

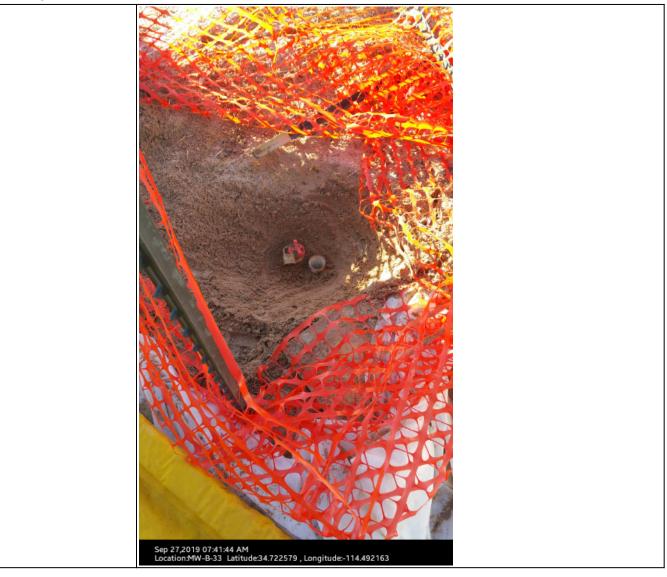
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:55 | 500 | 2000 | 27.4 | 7.59 | 4906 | 20.6 | 0.77 | 53 | 16.99 | 2.60 | 3.18 |
| 07:59 | 500 | 4000 | 27.4 | 7.60 | 4897 | 20.1 | 0.73 | 30 | 16.99 | 2.61 | 3.17 |
| 08:03 | 500 | 6000 | 27.4 | 7.60 | 4895 | 22.4 | 0.75 | 14 | 16.99 | 2.61 | 3.18 |
| 08:07 | 500 | 8000 | 27.4 | 7.61 | 4873 | 28.1 | 0.78 | 9 | 16.99 | 2.60 | 3.17 |
| 08:11 | 500 | 10000 | 27.4 | 7.61 | 4872 | 29.0 | 0.78 | 8 | 16.99 | 2.60 | 3.17 |
| 08:15 | 500 | 12000 | 27.4 | 7.61 | 4870 | 29.3 | 0.78 | 8 | 16.99 | 2.60 | 3.17 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-10D

| Date | 09/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 74.90 |
| Water Quality Meter | YSI | Gallons in Well | 8.57 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 127.45 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 115 |
| Water Column in | 52.55 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 08:38 | MS/MSD Sample Time | |
| Sample ID | MW-10D-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 09/25/2019 |

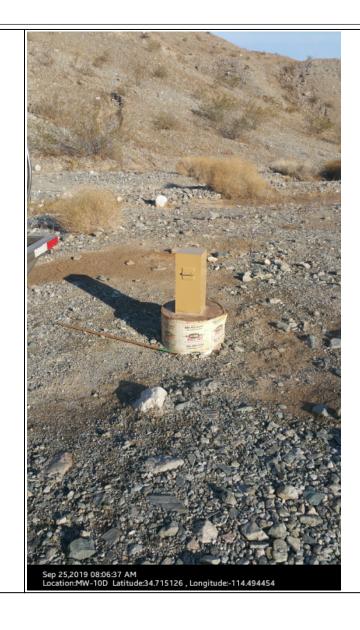
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:21 | 500 | 2000 | 30.0 | 7.51 | 4075 | 14.9 | 1.29 | 24 | 74.99 | 2.15 | 2.66 |
| 08:25 | 500 | 4000 | 30.2 | 7.50 | 4088 | 12.5 | 1.28 | 12 | 75.01 | 2.15 | 2.64 |
| 08:29 | 500 | 6000 | 30.2 | 7.50 | 4090 | 11.9 | 1.28 | 6 | 75.01 | 2.15 | 2.64 |
| 08:33 | 500 | 8000 | 30.2 | 7.49 | 4093 | 11.0 | 1.26 | 5 | 75.01 | 2.15 | 2.64 |
| 08:37 | 500 | 10000 | 30.2 | 7.49 | 4094 | 10.6 | 1.26 | 5 | 75.01 | 2.15 | 2.64 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | | X | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801





Project Number: RC000753.0801

MW-89-183

| Date | 09/26/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 130.32 |
| Water Quality Meter | YSI | Gallons in Well | 8.59 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 183.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 173 |
| Water Column in | 52.68 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 11:32 | MS/MSD Sample Time | |
| Sample ID | MW-U-183-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:11 | 500 | 2000 | 30.8 | 7.54 | 7271 | 40.1 | 4.07 | 2 | 130.40 | 3.98 | 4.73 |
| 11:15 | 500 | 4000 | 30.9 | 7.53 | 7317 | 39.8 | 3.88 | 2 | 130.40 | 3.98 | 4.75 |
| 11:19 | 500 | 6000 | 30.9 | 7.53 | 7297 | 38.6 | 3.50 | 1 | 130.40 | 3.98 | 4.75 |
| 11:23 | 500 | 8000 | 30.9 | 7.53 | 7295 | 37.9 | 3.45 | 1 | 130.40 | 3.98 | 4.75 |
| 11:27 | 500 | 10000 | 30.9 | 7.52 | 7293 | 37.5 | 3.43 | 1 | 130.40 | 3.98 | 4.75 |
| 11:31 | 500 | 12000 | 30.9 | 7.52 | 7290 | 36.8 | 3.43 | 1 | 130.40 | 3.98 | 4.75 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-89-273

| Date | 09/26/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 130.30 |
| Water Quality Meter | YSI | Gallons in Well | 23.28 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 273.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 263 |
| Water Column in | 142.7 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 10:24 | MS/MSD Sample Time | |
| Sample ID | MW-U-273-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:59 | 500 | 2000 | 31.8 | 7.61 | 7253 | 11.0 | 2.68 | 57 | 130.36 | 3.95 | 4.72 |
| 10:04 | 500 | 4000 | 32.0 | 7.69 | 7446 | 28.9 | 3.59 | 21 | 130.36 | 4.01 | 4.80 |
| 10:07 | 500 | 6000 | 31.9 | 7.70 | 7450 | 35.9 | 4.60 | 12 | 130.36 | 4.06 | 4.84 |
| 10:11 | 500 | 8000 | 31.9 | 7.75 | 7446 | 37.3 | 4.82 | 8 | 130.36 | 4.07 | 4.84 |
| 10:15 | 500 | 10000 | 31.9 | 7.76 | 7448 | 38.6 | 4.86 | 6 | 130.36 | 4.07 | 4.84 |
| 10:19 | 500 | 12000 | 31.9 | 7.76 | 7450 | 39.0 | 4.90 | 5 | 130.36 | 4.07 | 4.84 |
| 10:23 | 500 | 14000 | 31.9 | 7.76 | 7451 | 39.5 | 4.92 | 5 | 130.36 | 4.08 | 4.84 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Project | Number: |
|---------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-84-057

| Date | 09/24/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.27 |
| Water Quality Meter | YSI | Gallons in Well | 2.08 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 57.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 51 |
| Water Column in | 12.73 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | ——— EB Time | |
| Sample Date | 09/24/2019 | ——— MS/MSD Sample ID | |
| Sample Time | 13:47 | MS/MSD Sample Time | |
| Sample ID | MW-M-57-Q319 | ——— Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 19 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:30 | 500 | 2000 | 30.5 | 7.84 | 1897 | 60.4 | 5.62 | 28 | 44.40 | 0.67 | 0.90 |
| 13:34 | 500 | 4000 | 30.7 | 7.87 | 1902 | 55.4 | 5.29 | 25 | 44.40 | 0.67 | 0.90 |
| 13:38 | 500 | 6000 | 30.8 | 7.89 | 1896 | 52.8 | 5.02 | 21 | 44.40 | 0.67 | 0.90 |
| 13:42 | 500 | 8000 | 30.8 | 7.90 | 1909 | 48.6 | 5.08 | 22 | 44.40 | 0.68 | 0.90 |
| 13:46 | 500 | 10000 | 30.8 | 7.92 | 1931 | 44.8 | 5.12 | 19 | 44.40 | 0.68 | 0.90 |

Well Integrity Checklist

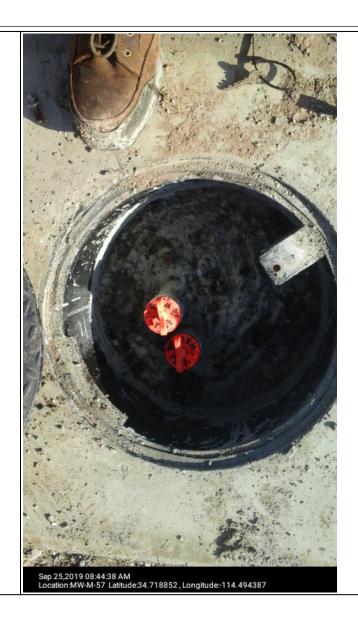
| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

39 / 111



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-84-095

| Date | 09/24/2019 | Sampler | Matt trainotti |
|-------------------------|--------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.17 |
| Water Quality Meter | YSI | Gallons in Well | 8.29 |
| Casing Diameter (in) | 2 | Measured Well Depth (ft bmp) | 95.00 |
| Water Column in | 50.83 | Odor | None |
| Well | | Pump Intake Depth (ft bmp) | 85 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 09/24/2019 | EB Sample ID | EB-788-Q319 |
| Sample Time | 14:39 | EB Time | 15:00 |
| Sample ID | MW-M-95-Q319 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 15 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:22 | 500 | 2000 | 30.0 | 7.54 | 5936 | 29.7 | 0.69 | 24 | 44.27 | 3.43 | 4.03 |
| 14:26 | 500 | 4000 | 30.2 | 7.57 | 5921 | 24.4 | 0.58 | 20 | 44.27 | 3.34 | 4.03 |
| 14:30 | 500 | 6000 | 30.2 | 7.58 | 5897 | 19.9 | 0.47 | 17 | 44.27 | 3.34 | 4.03 |
| 14:34 | 500 | 8000 | 30.2 | 7.59 | 5842 | 17.4 | 0.43 | 17 | 44.27 | 3.34 | 4.03 |
| 14:38 | 500 | 10000 | 30.2 | 7.59 | 5769 | 15.1 | 0.39 | 15 | 44.27 | 3.34 | 4.03 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-84-132

| Date | 09/25/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|---|----------------|
| Weather Conditions | Sunny | Color | |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.84 |
| Water Quality Meter | YSI | Gallons in Well | 14.54 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 134.00 |
| Casing Material | PVC | Odor | |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 122 |
| Water Column in | 89.16 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 09/25/2019 | — MS/MSD Sample ID | |
| Sample Time | 08:32 | MS/MSD Sample Time | |
| Sample ID | MW-M-132-Q319 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-908-Q319 | Post Sampling Turbidity | |
| Dup Sample Time | 08:42 | — Purge Date | 09/25/2019 |
| Single Filter Turbidity | 1 | _ | |
| Without Filter | 1 | | |

Field Parameters

Turbidity

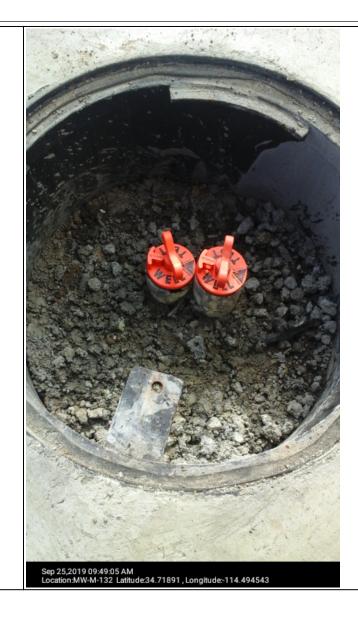
| i ioia i aia | 11101010 | | | | | | | | | | |
|--------------|--|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 08:15 | 500 | 2000 | 29.2 | 7.74 | 8208 | 120.8 | 0.80 | 5 | 44.90 | 4.17 | 4.94 |
| 08:19 | 500 | 4000 | 29.6 | 7.72 | 8682 | 110.4 | 0.65 | 2 | 44.90 | 5.28 | 6.16 |
| 08:23 | 500 | 6000 | 29.8 | 7.71 | 9012 | 92.8 | 0.57 | 1 | 44.90 | 5.28 | 6.16 |
| 08:27 | 500 | 8000 | 30.0 | 7.71 | 9205 | 89.8 | 0.48 | 1 | 44.90 | 5.31 | 6.19 |
| 08:31 | 500 | 10000 | 30.1 | 7.71 | 9384 | 82.4 | 0.44 | 1 | 44.90 | 5.34 | 6.24 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-84-193

| Date | 09/25/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.78 |
| Water Quality Meter | YSI | Gallons in Well | 24.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 194.18 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 183 |
| Water Column in | 149.4 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 09:26 | MS/MSD Sample Time | |
| Sample ID | MW-M-193-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:09 | 500 | 2000 | 29.4 | 7.81 | 13021 | 99.8 | 0.81 | 8 | 44.86 | 7.45 | 8.48 |
| 09:13 | 500 | 4000 | 30.0 | 7.85 | 13048 | 94.9 | 0.76 | 5 | 44.86 | 7.76 | 8.82 |
| 09:17 | 500 | 6000 | 30.2 | 7.86 | 13084 | 91.9 | 0.73 | 2 | 44.86 | 7.78 | 8.84 |
| 09:21 | 500 | 8000 | 30.0 | 7.88 | 13104 | 88.4 | 0.76 | 2 | 44.86 | 7.78 | 8.84 |
| 09:25 | 500 | 10000 | 30.0 | 7.90 | 13124 | 86.9 | 0.80 | 2 | 44.86 | 7.78 | 8.82 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

45 / 111



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-87-192

| Date | 09/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.51 |
| Water Quality Meter | YSI | Gallons in Well | 16.74 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 193.15 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 182 |
| Water Column in | 102.64 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 10:08 | MS/MSD Sample Time | |
| Sample ID | MW-R-192-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:47 | 500 | 2000 | 30.1 | 7.75 | 9424 | -91.9 | 0.31 | 38 | 90.60 | 5.23 | 6.11 |
| 09:51 | 500 | 4000 | 30.1 | 7.77 | 9204 | -84.9 | 0.28 | 27 | 90.60 | 5.10 | 5.96 |
| 09:55 | 500 | 6000 | 30.7 | 7.78 | 9194 | -80.2 | 0.30 | 16 | 90.60 | 5.09 | 5.96 |
| 09:59 | 500 | 8000 | 30.8 | 7.78 | 9153 | -77.3 | 0.33 | 10 | 90.60 | 5.07 | 5.93 |
| 10:03 | 500 | 10000 | 30.8 | 7.78 | 9146 | -75.9 | 0.33 | 9 | 90.60 | 5.07 | 5.93 |
| 10:07 | 500 | 12000 | 30.8 | 7.78 | 9145 | -75.1 | 0.32 | 9 | 90.60 | 5.07 | 5.93 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-275

| Date | 09/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.41 |
| Water Quality Meter | YSI | Gallons in Well | 30.3 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 276.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 265 |
| Water Column in | 185.79 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 09:08 | MS/MSD Sample Time | |
| Sample ID | MW-R-275-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:43 | 500 | 2000 | 30.7 | 7.83 | 11639 | -19.6 | 0.43 | 21 | 90.59 | 6.59 | 7.54 |
| 08:47 | 500 | 4000 | 30.8 | 7.83 | 11734 | -28.3 | 0.36 | 16 | 90.59 | 6.34 | 7.63 |
| 08:51 | 500 | 6000 | 30.8 | 7.84 | 11769 | -32.9 | 0.32 | 12 | 90.6 | 6.65 | 7.65 |
| 08:55 | 500 | 8000 | 30.8 | 7.84 | 11786 | -37.9 | 0.30 | 10 | 90.60 | 6.69 | 7.65 |
| 08:59 | 500 | 10000 | 30.8 | 7.84 | 11789 | -38.6 | 0.29 | 9 | 90.60 | 6.72 | 7.70 |
| 09:03 | 500 | 12000 | 30.8 | 7.84 | 11788 | -39.0 | 0.28 | 9 | 90.60 | 6.72 | 7.70 |
| 09:07 | 500 | 14000 | 30.8 | 7.84 | 11790 | -39.6 | 0.28 | 9 | 90.60 | 6.72 | 7.70 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Project | Number |
|----------------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-109

| Date | 09/24/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 96.24 |
| Water Quality Meter | YSI | Gallons in Well | 2.41 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 111.02 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 99 |
| Water Column in | 14.78 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 11:12 | MS/MSD Sample Time | |
| Sample ID | MW-R-109-Q319 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 23 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:51 | 300 | 1200 | 29.8 | 7.75 | 2596 | 31.0 | 3.29 | 55 | 90.30 | 1.32 | 1.66 |
| 10:55 | 300 | 2400 | 29.8 | 7.75 | 2313 | 39.9 | 4.29 | 37 | 90.30 | 1.17 | 1.50 |
| 10:59 | 300 | 3600 | 29.8 | 7.75 | 2319 | 40.1 | 4.70 | 26 | 90.30 | 1.18 | 1.51 |
| 11:03 | 300 | 4800 | 29.9 | 7.75 | 2323 | 42.9 | 4.77 | 24 | 90.30 | 1.18 | 1.51 |
| 11:07 | 300 | 6000 | 29.8 | 7.75 | 2287 | 42.0 | 4.83 | 23 | 90.30 | 1.17 | 1.49 |
| 11:11 | 300 | 7200 | 29.8 | 7.75 | 2289 | 41.3 | 4.85 | 23 | 90.30 | 1.17 | 1.49 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project | Number |
|---------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-139

| Date | 09/24/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.22 |
| Water Quality Meter | YSI | Gallons in Well | 8.3 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 141.12 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 134 |
| Water Column in | 50.9 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 12:12 | MS/MSD Sample Time | |
| Sample ID | MW-R-139-Q319 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 27 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:51 | 100 | 400 | 33.8 | 7.32 | 7615 | 28.6 | 1.26 | 38 | 90.26 | 4.15 | 4.95 |
| 11:55 | 100 | 800 | 33.8 | 7.39 | 7596 | 23.9 | 1.03 | 34 | 90.26 | 4.13 | 4.93 |
| 11:59 | 100 | 1200 | 33.8 | 7.41 | 7584 | 20.9 | 0.99 | 30 | 90.26 | 4.13 | 4.92 |
| 12:03 | 100 | 1600 | 33.8 | 7.44 | 7583 | 20.1 | 0.96 | 28 | 90.26 | 4.13 | 4.92 |
| 12:07 | 100 | 2000 | 33.7 | 7.45 | 7580 | 19.8 | 0.96 | 27 | 90.26 | 4.13 | 4.92 |
| 12:11 | 100 | 2400 | 33.7 | 7.45 | 7581 | 18.6 | 0.95 | 27 | 90.26 | 4.13 | 4.92 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-86-140

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.61 |
| Water Quality Meter | YSI | Gallons in Well | 20.78 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 140.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 135 |
| Water Column in | 127.39 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 10:55 | MS/MSD Sample Time | |
| Sample ID | MW-O-140-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:38 | 500 | 2000 | 22.1 | 7.76 | 12215 | 100.4 | 1.22 | 6 | 12.70 | 3.09 | 3.70 |
| 10:42 | 500 | 4000 | 22.6 | 7.76 | 13724 | -1.2 | 1.02 | 5 | 12.70 | 3.45 | 4.11 |
| 10:46 | 500 | 6000 | 22.5 | 7.82 | 14002 | -39.0 | 0.80 | 5 | 12.70 | 3.64 | 4.29 |
| 10:50 | 500 | 8000 | 22.6 | 7.84 | 14285 | -47.8 | 0.74 | 3 | 12.70 | 3.69 | 4.36 |
| 10:54 | 500 | 10000 | 22.6 | 7.85 | 14293 | -54.2 | 0.69 | 3 | 12.70 | 3.69 | 4.38 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

55 / 111



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-86-120

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 13.01 |
| Water Quality Meter | YSI | Gallons in Well | 17.45 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 120.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 110 |
| Water Column in | 106.99 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 13:16 | MS/MSD Sample Time | |
| Sample ID | MW-O-120-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:59 | 500 | 2000 | 22.2 | 7.58 | 12489 | 97.8 | 0.80 | 8 | 13.20 | 3.47 | 4.18 |
| 13:03 | 500 | 4000 | 22.2 | 7.60 | 12504 | 90.4 | 0.67 | 6 | 13.20 | 3.50 | 4.19 |
| 13:07 | 500 | 6000 | 22.2 | 7.63 | 12513 | 85.9 | 0.63 | 4 | 13.20 | 3.53 | 4.21 |
| 13:11 | 500 | 8000 | 22.2 | 7.64 | 12524 | 81.0 | 0.59 | 4 | 13.20 | 3.53 | 4.21 |
| 13:15 | 500 | 10000 | 22.2 | 7.65 | 12624 | 77.9 | 0.55 | 4 | 13.20 | 3.47 | 4.19 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-86-066

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|---|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.31 |
| Water Quality Meter | YSI | Gallons in Well | 9.25 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 69.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 56 |
| Water Column in | 56.69 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 09/26/2019 | — MS/MSD Sample ID | |
| Sample Time | 12:33 | MS/MSD Sample Time | |
| Sample ID | MW-O-66-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | — Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | — Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:16 | 500 | 2000 | 20.9 | 7.46 | 5915 | 92.3 | 0.65 | 5 | 12.42 | 1.61 | 2.01 |
| 12:20 | 500 | 4000 | 21.0 | 7.47 | 5955 | 75.9 | 0.57 | 3 | 12.42 | 1.66 | 2.06 |
| 12:24 | 500 | 6000 | 21.0 | 7.48 | 6001 | 66.0 | 0.51 | 3 | 12.42 | 1.68 | 2.08 |
| 12:28 | 500 | 8000 | 21.0 | 7.48 | 6043 | 62.4 | 0.48 | 3 | 12.42 | 1.68 | 2.08 |
| 12:32 | 500 | 10000 | 21.0 | 7.48 | 6084 | 59.7 | 0.44 | 3 | 12.42 | 1.68 | 2.08 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

59 / 111



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-86-030

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.14 |
| Water Quality Meter | YSI | Gallons in Well | 3.34 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 32.60 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 22 |
| Water Column in | 20.46 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 11:49 | MS/MSD Sample Time | |
| Sample ID | MW-O-30-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 34 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:32 | 500 | 2000 | 22.8 | 7.53 | 1403 | 44.6 | 0.68 | 40 | 12.27 | 0.24 | 0.33 |
| 11:36 | 500 | 4000 | 22.8 | 7.44 | 1354 | 42.9 | 0.65 | 36 | 12.27 | 0.29 | 0.36 |
| 11:40 | 500 | 6000 | 22.8 | 7.39 | 1302 | 43.0 | 0.63 | 34 | 12.27 | 0.36 | 0.44 |
| 11:44 | 500 | 8000 | 22.8 | 7.36 | 1279 | 41.4 | 0.61 | 34 | 12.27 | 0.39 | 0.51 |
| 11:48 | 500 | 10000 | 22.9 | 7.35 | 1268 | 39.0 | 0.58 | 32 | 12.27 | 0.38 | 0.51 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

61 / 111



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-76-218

| Date | 09/24/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.00 |
| Water Quality Meter | YSI | Gallons in Well | 31.15 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 218.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 213 |
| Water Column in | 191.0 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 11:39 | MS/MSD Sample Time | |
| Sample ID | MW-C-218-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 18 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:22 | 500 | 2000 | 28.3 | 8.13 | 20498 | 70.9 | 0.89 | 32 | 27.10 | 12.97 | 14.02 |
| 11:26 | 500 | 4000 | 28.5 | 8.16 | 20571 | 55.4 | 0.55 | 26 | 27.10 | 12.97 | 14.05 |
| 11:30 | 500 | 6000 | 28.6 | 8.17 | 20613 | 46.2 | 0.49 | 20 | 27.10 | 13.03 | 14.07 |
| 11:34 | 500 | 8000 | 28.6 | 8.19 | 20689 | 42.4 | 0.46 | 18 | 27.10 | 13.03 | 14.07 |
| 11:38 | 500 | 10000 | 28.6 | 8.21 | 20775 | 37.0 | 0.42 | 18 | 27.10 | 13.03 | 14.07 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |



Project Number: RC000753.0801

MW-76-181

| Date | 09/24/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.20 |
| Water Quality Meter | YSI | Gallons in Well | 25.09 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 181.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 176 |
| Water Column in | 153.8 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 10:29 | MS/MSD Sample Time | |
| Sample ID | MW-C-181-Q319 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-913-Q319 | Post Sampling Turbidity | |
| Dup Sample Time | 10:34 | Purge Date | 09/24/2019 |
| Single Filter Turbidity | 1 | • | |
| Without Filter | 22 | | |

Field Parameters

Turbidity

| ioia i aia | | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 10:12 | 500 | 2000 | 28.1 | 7.68 | 19089 | 69.0 | 1.25 | 35 | 27.25 | 11.92 | 13.04 |
| 10:16 | 500 | 4000 | 28.5 | 7.70 | 19124 | 45.9 | 0.84 | 25 | 27.25 | 11.92 | 13.04 |
| 10:20 | 500 | 6000 | 28.9 | 7.72 | 19208 | 39.4 | 0.60 | 24 | 27.25 | 11.94 | 13.11 |
| 10:24 | 500 | 8000 | 28.9 | 7.74 | 19262 | 36.0 | 0.45 | 22 | 27.25 | 11.94 | 13.11 |
| 10:28 | 500 | 10000 | 28.9 | 7.74 | 19289 | 33.5 | 0.2 | 22 | 27.25 | 11.94 | 13.11 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | | Х | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | Х | |

65 / 111



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | | | X | |
| Photo Taken? | X | | | |
| Action Completed? | | X | | |

| DI (| | ь . |
|--------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-76-156

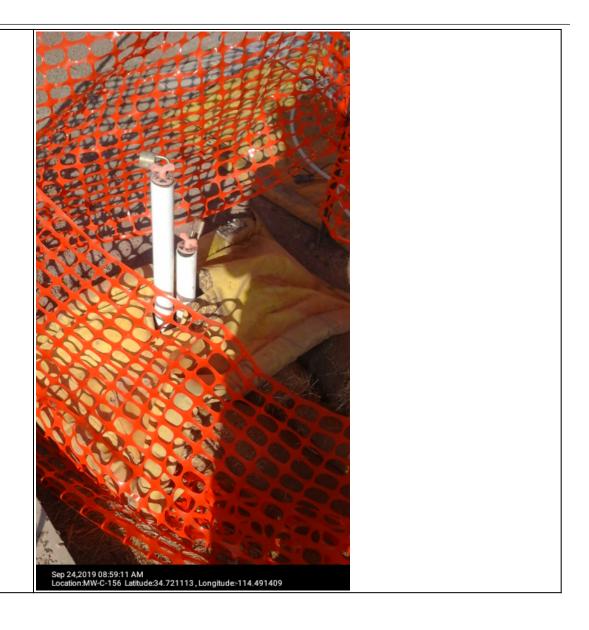
| Date | 09/24/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.66 |
| Water Quality Meter | YSI | Gallons in Well | 21.04 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 157.68 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 151 |
| Water Column in | 129.02 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/24/2019 | MS/MSD Sample ID | |
| Sample Time | 08:34 | MS/MSD Sample Time | |
| Sample ID | MW-C-156-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 24 | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:17 | 500 | 2000 | 27.8 | 7.77 | 16662 | 137.2 | 1.58 | 42 | 29.03 | 8.76 | 9.84 |
| 08:21 | 500 | 4000 | 28.0 | 7.86 | 16689 | 123.6 | 1.13 | 34 | 29.03 | 9.18 | 10.26 |
| 08:25 | 500 | 6000 | 28.1 | 7.88 | 16702 | 107.8 | 0.90 | 27 | 29.03 | 9.35 | 10.43 |
| 08:29 | 500 | 8000 | 28.2 | 7.90 | 16712 | 102.9 | 0.84 | 25 | 29.03 | 9.58 | 10.69 |
| 08:33 | 500 | 10000 | 28.2 | 7.91 | 16720 | 97.9 | 0.81 | 24 | 29.03 | 9.58 | 10.69 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-76-039

| Date | 09/23/2019 | Sampler | Matt trainotti |
|-----------------------------|-------------------------|---|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.50 |
| Water Quality Meter | YSI | Gallons in Well | 2.13 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 40.57 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 34 |
| Water Column in | 13.07 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-786-Q319 |
| Did Well Dewater? | No | — EB Time | 16:00 |
| Sample Date | 09/23/2019 | — MS/MSD Sample ID | |
| Sample Time | 15:32 | MS/MSD Sample Time | |
| Sample ID | MW-C-39-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 09/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:15 | 500 | 2000 | 29.6 | 7.40 | 3800 | 67.3 | 1.18 | 12 | 27.60 | 2.00 | 2.47 |
| 15:19 | 500 | 4000 | 30.1 | 7.42 | 3803 | 65.5 | 0.95 | 7 | 27.60 | 2.01 | 2.50 |
| 15:23 | 500 | 6000 | 29.8 | 7.44 | 3806 | 64.4 | 0.87 | 4 | 27.60 | 2.02 | 2.50 |
| 15:27 | 500 | 8000 | 29.7 | 7.46 | 3808 | 63.0 | 0.80 | 4 | 27.60 | 2.02 | 2.51 |
| 15:31 | 500 | 10000 | 29.6 | 7.50 | 3810 | 62.0 | 0.75 | 4 | 27.60 | 2.02 | 2.51 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

69 / 111



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-75-337

| Date | 09/27/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 18.46 |
| Water Quality Meter | YSI | Gallons in Well | 52.2 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 338.50 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 327 |
| Water Column in | 320.04 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/27/2019 | MS/MSD Sample ID | |
| Sample Time | 09:54 | MS/MSD Sample Time | |
| Sample ID | MW-B-337-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 09/27/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:29 | 500 | 2000 | 29.2 | 7.90 | 25889 | -192.6 | 0.10 | 82 | 18.55 | 15.72 | 16.82 |
| 09:33 | 500 | 4000 | 29.3 | 7.90 | 25900 | -191.0 | 0.09 | 104 | 18.55 | 15.72 | 16.83 |
| 09:37 | 500 | 6000 | 29.4 | 7.89 | 26050 | -188.6 | 0.08 | 50 | 18.55 | 15.82 | 16.93 |
| 09:41 | 500 | 8000 | 29.4 | 7.89 | 26048 | -188.1 | 0.08 | 16 | 18.55 | 15.82 | 16.93 |
| 09:45 | 500 | 10000 | 29.4 | 7.89 | 26053 | -187.6 | 0.08 | 9 | 18.55 | 15.82 | 16.93 |
| 09:49 | 500 | 12000 | 29.4 | 7.89 | 26056 | -187.0 | 0.08 | 8 | 18.55 | 15.82 | 16.93 |
| 09:53 | 500 | 14000 | 29.5 | 7.89 | 26057 | -187.3 | 0.08 | 8 | 18.55 | 15.82 | 16.93 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | Х | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-82-112

| Date | 09/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.31 |
| Water Quality Meter | YSI | Gallons in Well | 13.92 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 113.68 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 104 |
| Water Column in | 85.37 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 11:18 | MS/MSD Sample Time | |
| Sample ID | MW-H-112-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:01 | 500 | 2000 | 27.3 | 7.77 | 8270 | -67.9 | 0.10 | 5 | 28.40 | 4.56 | 5.36 |
| 11:05 | 500 | 4000 | 27.1 | 7.76 | 8280 | -65.9 | 0.09 | 3 | 28.40 | 4.56 | 5.38 |
| 11:09 | 500 | 6000 | 26.8 | 7.75 | 8277 | -64.0 | 0.09 | 1 | 28.40 | 4.58 | 5.38 |
| 11:13 | 500 | 8000 | 26.8 | 7.75 | 8276 | -63.5 | 0.08 | 1 | 28.40 | 4.58 | 5.38 |
| 11:17 | 500 | 10000 | 26.8 | 7.75 | 8274 | -63.1 | 0.08 | 1 | 28.40 | 4.58 | 5.38 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | | | X | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-82-168

| Date | 09/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.55 |
| Water Quality Meter | YSI | Gallons in Well | 22.93 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 169.12 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 161 |
| Water Column in | 140.57 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 12:04 | MS/MSD Sample Time | |
| Sample ID | MW-H-168-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | pН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:47 | 500 | 2000 | 27.1 | 7.74 | 17762 | -81.6 | 0.13 | 43 | 28.65 | 10.44 | 11.55 |
| 11:51 | 500 | 4000 | 27.0 | 7.74 | 17782 | -71.6 | 0.14 | 13 | 28.65 | 10.43 | 11.55 |
| 11:55 | 500 | 6000 | 27.1 | 7.75 | 17760 | -65.9 | 0.12 | 6 | 28.65 | 10.43 | 11.52 |
| 11:59 | 500 | 8000 | 27.1 | 7.75 | 17755 | -63.9 | 0.12 | 5 | 28.65 | 10.43 | 11.52 |
| 12:03 | 500 | 10000 | 27.1 | 7.75 | 17753 | -62.5 | 0.11 | 5 | 28.65 | 10.43 | 11.52 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | Х | |
| Well Casing Intact? | | | Х | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-82-198

| Date | 09/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.36 |
| Water Quality Meter | YSI | Gallons in Well | 27.83 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 198.98 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 189 |
| Water Column in | 170.62 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 13:00 | MS/MSD Sample Time | |
| Sample ID | MW-H-198-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:39 | 500 | 2000 | 27.1 | 8.21 | 18439 | -80.7 | 0.13 | 104 | 28.46 | 10.88 | 11.96 |
| 12:43 | 500 | 4000 | 27.1 | 8.25 | 18626 | -111.9 | 0.13 | 45 | 28.46 | 11.03 | 12.13 |
| 12:47 | 500 | 6000 | 27.2 | 8.27 | 18810 | -115.9 | 0.12 | 23 | 28.46 | 11.10 | 12.21 |
| 12:51 | 500 | 8000 | 27.2 | 8.27 | 18796 | -119.0 | 0.12 | 9 | 28.46 | 11.10 | 12.20 |
| 12:55 | 500 | 10000 | 27.2 | 8.27 | 18790 | -121.6 | 0.12 | 8 | 28.46 | 11.10 | 12.20 |
| 12:59 | 500 | 12000 | 27.2 | 8.28 | 18780 | -123.6 | 0.12 | 8 | 28.46 | 11.10 | 12.20 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | | | X | |





| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-82-046

| Date | 09/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.25 |
| Water Quality Meter | YSI | Gallons in Well | 3.09 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 47.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 38 |
| Water Column in | 18.95 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 10:36 | MS/MSD Sample Time | |
| Sample ID | MW-H-46-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:15 | 500 | 2000 | 27.9 | 7.40 | 12252 | -88.9 | 0.17 | 187 | 28.39 | 6.99 | 7.95 |
| 10:19 | 500 | 4000 | 27.5 | 7.41 | 11934 | -89.6 | 0.11 | 80 | 28.39 | 6.77 | 7.70 |
| 10:23 | 500 | 6000 | 27.6 | 7.41 | 11291 | -90.6 | 0.12 | 13 | 28.39 | 6.35 | 7.32 |
| 10:27 | 500 | 8000 | 27.6 | 7.40 | 11259 | -91.6 | 0.11 | 6 | 28.39 | 6.35 | 7.32 |
| 10:31 | 500 | 10000 | 27.6 | 7.40 | 11239 | -91.9 | 0.11 | 5 | 28.39 | 6.35 | 7.32 |
| 10:35 | 500 | 12000 | 27.6 | 7.40 | 11226 | -92.5 | 0.11 | 5 | 28.39 | 6.35 | 7.32 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | | | X | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings



80 / 111



Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

| Date | (| 09/27/2019 | | | S | Sampler | | _ | | | |
|------------|------------------------------------|--------------------|----------|----|------------------------------|-------------------------|--------------|--------------------|-----------|-------------------|-----------|
| | | | | | С | Color | | _ | | | |
| | | | | | C | asing Volun | ne to Remo | ve _ | | | |
| | | | | | D | epth to Wat | er (ft bmp) | | | | |
| | | | | | G | Sallons in W | ell | _ | | | |
| | | | | | Measured Well Depth (ft bmp) | | | | | | |
| | | | | | C | Odor | | _ | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) _ | | | |
| | | | | | Т | otal Volume | to Remove | _ | | | |
| | | | | | E | B Sample II | D | _ | | | |
| | | | | | E | B Time | | _ | | | |
| | | | | | N | IS/MSD Sar | mple ID | | | | |
| | | | | | N | IS/MSD Sar | mple Time | | | | |
| | Double Filter Turbidity | | | | | | _ | | | | |
| | | | | | Р | Post Sampling Turbidity | | | | | |
| | | | | | Р | Purge Date | | | 9/27/2019 | | |
| | | | | | | | | | | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| | min) | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

TW-3D

| Date | 09/04/2019 | Sampler | Spencer Doolittle |
|-------------------------|-----------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Water Quality Meter | YSI | Depth to Water (ft bmp) | |
| Sampling Type | Extraction port | Gallons in Well | |
| Sample Date | 09/04/2019 | Measured Well Depth (ft bmp) | |
| Sample Time | 12:30 | Odor | None |
| Sample ID | TW-3D-Q319 | Pump Intake Depth (ft bmp) | |
| Single Filter Turbidity | 1 | Total Volume to Remove | |
| Without Filter | 1 | EB Sample ID | |
| Turbidity | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 09/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:24 | | | 23.1 | 7.31 | 9.088 | 61.9 | 3.42 | 1 | | 5.05 | 5.9020 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

CW-01D

| Date | 09/30/2019 | Sampler | |
|------|------------|------------------------------|------------|
| | | Color | |
| | | | |
| | | Casing Volume to Remove | |
| | | Depth to Water (ft bmp) | |
| | | Gallons in Well | |
| | | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 09/30/2019 |

Field Parameters

| Time | Flow Rate | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|------|--------------------|--------------------|----------|----|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | (ml/min or gal/ | | | | | | | | | | |
| | min) | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

| _ | _ | | |
|------------|----------|---------------|-----|
| | ~ | $\overline{}$ | N. |
| _ | | . 1 | |
| U - | • | u | 1.4 |

| Date | <u>(</u> | 09/26/2019 | | | S | ampler | | | | | |
|---|------------------------------------|--------------------|----------|----|------------------------|-------------------------|---------------|--------------------|------------|-------------------|-----------|
| | | | | | С | color | | | | | |
| | | | | | С | asing Volur | ne to Remo | ve | | | |
| | | | | | D | epth to Wat | er (ft bmp) | | | | |
| | | | | | G | allons in W | ell | | | | |
| | | | | | M | leasured W | ell Depth (ft | bmp) | | | |
| Color Casing Volume to Remove Depth to Water (ft bmp) Gallons in Well Measured Well Depth (ft bmp) Odor Pump Intake Depth (ft bmp) Total Volume to Remove EB Sample ID EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity Purge Date Field Parameters | | | | | | | | | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) | | | |
| | | | | | Т | otal Volume | to Remove | | | | |
| | | | | | E | B Sample II | D | | | | |
| | | | | | E | B Time | | | | | |
| | | | | | N | 1S/MSD Sar | | | | | |
| | | | | | N | Double Filter Turbidity | | | | | |
| | | | | | D | | | | | | |
| | | | | | P | | | | | | |
| | | | | | Р | urge Date | | <u>(</u> | 09/26/2019 | | |
| | | | | | | | | | | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |

Well Integrity Checklist

min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

| Date | (| 09/24/2019 | | | S | ampler | | _ | | | |
|------------|---|--------------------|---|----|---|--------------|--------------|------|-----------|--|-----------|
| | | | | | C | Color | | | | | |
| | | | | | C | asing Volun | ne to Remo | ve _ | | | |
| | | | | | D | epth to Wat | er (ft bmp) | _ | | | |
| | Sampler Color Casing Volume to Remove Depth to Water (ft bmp) Gallons in Well Measured Well Depth (ft bmp) Odor Pump Intake Depth (ft bmp) Total Volume to Remove EB Sample ID EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity Purge Date | | | | | | | _ | | | |
| | | | Color Casing Volume to Remove Depth to Water (ft bmp) Gallons in Well Measured Well Depth (ft bmp) Odor Pump Intake Depth (ft bmp) Total Volume to Remove EB Sample ID EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity Purge Date O9/24/2019 | | | | | | | | |
| | | | | | С |)dor | | | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) | | | |
| | | | | | Т | otal Volume | to Remove | | | | |
| | | | | | Е | B Sample II | D | | | | |
| | | | | | Е | B Time | | _ | | | |
| | | | | | N | 1S/MSD Sar | | | | | |
| | | | | | N | 1S/MSD Sar | mple Time | | | | |
| | | | | | D | ouble Filter | Turbidity | | | | |
| | | | | | Р | ost Samplin | g Turbidity | _ | | | |
| | | | | | | | | 0 | 9/24/2019 | | |
| | | | | | | | | | | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | | ORP (mV) | DO (mg/L) | | DTW (ft) | | TDS (g/L) |

Well Integrity Checklist

or gal/ min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

MW-09

| Date | 09/30/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 79.65 |
| Water Quality Meter | YSI | Gallons in Well | 4.8 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 87.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 7.35 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/30/2019 | MS/MSD Sample ID | |
| Sample Time | 12:45 | MS/MSD Sample Time | |
| Sample ID | MW-09-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 09/30/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:23 | .2 | 500 | 29.6 | 7.36 | 3351 | 230.9 | 6.63 | 2 | 79.77 | 1.73 | 2.17 |
| 12:26 | 2 | 1500 | 29.9 | 7.35 | 3349 | 230.5 | 6.60 | 2 | 79.77 | 1.72 | 2.17 |
| 12:29 | 2 | 3000 | 29.9 | 7.35 | 3344 | 230.4 | 6.60 | 2 | 79.77 | 1.73 | 2.17 |
| 12:32 | 2 | 4500 | 29.8 | 7.35 | 3345 | 230.2 | 6.60 | 1 | 79.77 | 1.73 | 2.17 |
| 12:35 | 2 | 6000 | 29.7 | 7.35 | 3344 | 229.9 | 6.60 | 1 | 79.77 | 1.73 | 2.17 |
| 12:38 | 2 | 7500 | 29.8 | 7.34 | 3338 | 228.5 | 6.60 | 1 | 79.77 | 1.73 | 2.17 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-10

| Date | 09/30/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 74.23 |
| Water Quality Meter | YSI | Gallons in Well | 69.01 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 180 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 84 |
| Water Column in | 105.77 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/30/2019 | MS/MSD Sample ID | |
| Sample Time | 14:30 | MS/MSD Sample Time | |
| Sample ID | MW-10-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 09/30/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:08 | .2 | 500 | 30.7 | 7.37 | 3007 | 171.1 | 6.99 | 21 | 74.25 | 1.55 | 1.95 |
| 14:11 | .2 | 1500 | 31.4 | 7.41 | 3011 | 167.4 | 6.78 | 14 | 74.25 | 1.55 | 1.95 |
| 14:14 | .2 | 3000 | 31.5 | 7.40 | 3005 | 168.8 | 6.68 | 10 | 74.25 | 1.55 | 1.95 |
| 14:17 | .2 | 4500 | 31.6 | 7.40 | 3004 | 168.7 | 6.68 | 9 | 74.25 | 1.55 | 1.95 |
| 14:20 | .2 | 6000 | 31.5 | 7.40 | 2997 | 168.4 | 6.67 | 9 | 74.25 | 1.55 | 1.95 |
| 14:23 | .2 | 7500 | 31.5 | 7.40 | 2993 | 167.9 | 6.67 | 9 | 74.28 | 1.55 | 1.95 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-11

| Date | 09/30/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 66.05 |
| Water Quality Meter | YSI | Gallons in Well | 10.73 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 82.5 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 72.5 |
| Water Column in | 16.45 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-707-Q319 |
| Did Well Dewater? | No | EB Time | 15:35 |
| Sample Date | 09/30/2019 | MS/MSD Sample ID | |
| Sample Time | 15:20 | MS/MSD Sample Time | |
| Sample ID | MW-11-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 09/30/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:03 | .2 | 500 | 31.5 | 7.43 | 2587 | 166.4 | 9.10 | 8 | 66.10 | 1.32 | 1.68 |
| 15:06 | .2 | 1500 | 31.6 | 7.43 | 2587 | 166.7 | 9.05 | 7 | 66.10 | 1.32 | 1.68 |
| 15:09 | .2 | 3000 | 31.7 | 7.44 | 2589 | 166.2 | 9.05 | 5 | 66.10 | 1.32 | 1.68 |
| 15:12 | .2 | 4500 | 31.8 | 7.44 | 2591 | 165.7 | 9.05 | 5 | 66.10 | 1.32 | 1.68 |
| 15:15 | .2 | 6000 | 31.8 | 7.45 | 2591 | 164.3 | 9.02 | 5 | 66.10 | 1.32 | 1.68 |
| 15:18 | .2 | 7500 | 31.9 | 7.45 | 2590 | 164.9 | 9.03 | 5 | 66.10 | 1.32 | 1.68 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings

Feb 4, 2020, 4:33 PM





Project Number: RC000753.0801

MW-38S

| Date | 09/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 69.99 |
| Water Quality Meter | YSI | Gallons in Well | 4.62 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 98.30 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 82 |
| Water Column in | 28.31 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/25/2019 | MS/MSD Sample ID | |
| Sample Time | 09:26 | MS/MSD Sample Time | |
| Sample ID | MW-38S-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 09/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:09 | 500 | 2000 | 30.9 | 8.01 | 1761 | 3.8 | 0.54 | 39 | 70.06 | 0.88 | 1.15 |
| 09:13 | 500 | 4000 | 30.9 | 7.98 | 1786 | 0.8 | 0.48 | 11 | 70.06 | 0.89 | 1.15 |
| 09:17 | 500 | 6000 | 30.9 | 7.98 | 1790 | -1.0 | 0.46 | 6 | 70.06 | 0.89 | 1.15 |
| 09:21 | 500 | 8000 | 30.9 | 7.97 | 1792 | -1.6 | 0.45 | 5 | 70.06 | 0.89 | 1.15 |
| 09:25 | 500 | 10000 | 30.9 | 7.97 | 1793 | -1.9 | 0.45 | 5 | 70.06 | 0.89 | 1.15 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801





Project Number: RC000753.0801

MW-62-110

| Date | 09/24/2019 | Sampler | Nara Tep |
|-------------------------|----------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Grab Sample | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | |
| Comments | Flute well | Total Volume to Remove | |
| Did Well Dewater? | No | EB Sample ID | |
| Sample Date | 09/25/2019 | EB Time | |
| Sample Time | 15:40 | MS/MSD Sample ID | |
| Sample ID | MW-62-110-Q319 | MS/MSD Sample Time | |
| Single Filter Turbidity | 1 | Double Filter Turbidity | |
| Without Filter | 3 | Post Sampling Turbidity | |
| Turbidity | | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:42 | 0.5 | 4.5 | 28.2 | 7.32 | 12896 | 16.9 | 0.21 | 4 | | 7.50 | 8.53 |
| 07:51 | 0.5 | 1.5 | 28.1 | 7.81 | 13443 | 29.7 | 0.17 | 5 | | 7.71 | 8.73 |
| 15:40 | | | 28.3 | 7.36 | 12790 | 15.9 | 0.25 | 3 | | 7.50 | 8.51 |
| 16:15 | 0.5 | 3.0 | 28.9 | 7.26 | 13208 | 20.9 | 0.20 | 4 | | 7.56 | 8.58 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | Х | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

95 / 111





Project Number: RC000753.0801





Project Number: RC000753.0801

MW-63-065

| Date | 09/26/2019 | Sampler | Matt trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 48.57 |
| Water Quality Meter | YSI | Gallons in Well | 2.38 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 63.14 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 56 |
| Water Column in | 14.57 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 08:18 | MS/MSD Sample Time | |
| Sample ID | MW-63-065-Q319 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-903-Q318 | Post Sampling Turbidity | |
| Dup Sample Time | 08:28 | Purge Date | 09/26/2019 |
| Single Filter Turbidity | 1 | Ŭ | |
| Without Filter | 11 | | |

Field Parameters

Turbidity

| 1014 1 414 | | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 08:01 | 500 | 2000 | 26.4 | 7.51 | 6609 | 145.2 | 3.89 | 24 | 48.64 | 3.87 | 4.57 |
| 08:05 | 500 | 4000 | 26.7 | 7.50 | 6651 | 136.4 | 3.60 | 18 | 48.70 | 3.91 | 4.64 |
| 08:09 | 500 | 6000 | 26.7 | 7.48 | 6652 | 129.0 | 3.57 | 15 | 48.76 | 3.91 | 4.64 |
| 08:13 | 500 | 8000 | 26.7 | 7.46 | 6689 | 126.8 | 3.62 | 13 | 48.80 | 3.93 | 4.65 |
| 08:17 | 500 | 10000 | 26.7 | 7.44 | 6750 | 123.4 | 3.69 | 11 | 48.84 | 3.93 | 4.66 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | _ | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-65-160

| Date | 09/26/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 139.91 |
| Water Quality Meter | YSI | Gallons in Well | 4.09 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 165.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 155 |
| Water Column in | 25.09 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 14:28 | MS/MSD Sample Time | |
| Sample ID | MW-65-160-Q319 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:07 | 200 | 800 | 30.6 | 7.37 | 4026 | 44.6 | 2.75 | 52 | 139.99 | 2.11 | 2.61 |
| 14:11 | 200 | 1600 | 30.6 | 7.39 | 4027 | 43.3 | 2.06 | 37 | 139.99 | 2.11 | 2.61 |
| 14:15 | 200 | 2400 | 30.6 | 7.39 | 4027 | 42.9 | 2.03 | 19 | 139.99 | 2.11 | 2.61 |
| 14:19 | 200 | 3200 | 30.6 | 7.39 | 4028 | 41.8 | 1.99 | 10 | 139.99 | 2.11 | 2.61 |
| 14:23 | 200 | 4000 | 30.7 | 7.40 | 4028 | 41.3 | 1.96 | 9 | 139.99 | 2.11 | 2.61 |
| 14:27 | 200 | 4800 | 30.7 | 7.40 | 4028 | 41.0 | 1.95 | 9 | 139.99 | 2.11 | 2.61 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |



| Project | Number |
|---------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings

Feb 4, 2020, 4:33 PM





Project Number: RC000753.0801

MW-65-225

| Date | 09/26/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 139.76 |
| Water Quality Meter | YSI | Gallons in Well | 13.98 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 225.45 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 220 |
| Water Column in | 85.69 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 13:34 | MS/MSD Sample Time | |
| Sample ID | MW-65-225-Q319 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-902-Q319 | Post Sampling Turbidity | |
| Dup Sample Time | 13:44 | Purge Date | 09/26/2019 |
| Single Filter Turbidity | 1 | 30 2010 | |
| Without Filter | 4 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:13 | 500 | 2000 | 31.5 | 7.34 | 9784 | 32.1 | 0.72 | 9 | 139.89 | 5.48 | 6.42 |
| 13:17 | 500 | 4000 | 31.7 | 7.35 | 10384 | 30.2 | 0.70 | 6 | 139.89 | 5.82 | 6.78 |
| 13:21 | 500 | 6000 | 31.7 | 7.35 | 10539 | 30.4 | 0.68 | 5 | 139.89 | 5.93 | 6.89 |
| 13:25 | 500 | 8000 | 32.0 | 7.35 | 10734 | 30.2 | 0.68 | 5 | 139.89 | 6.06 | 7.03 |
| 13:29 | 500 | 10000 | 32.0 | 7.34 | 10789 | 30.1 | 0.66 | 4 | 139.89 | 6.07 | 7.03 |
| 13:33 | 500 | 12000 | 32.0 | 7.34 | 10803 | 29.6 | 0.65 | 4 | 139.89 | 6.07 | 7.03 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | Х | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-68-180

| Date | 09/26/2019 | _ Sampler | Nara Tep |
|-----------------------------|-----------------------------|---|-------------|
| Weather Conditions | Sunny | _ Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | _ Depth to Water (ft bmp) | 164.45 |
| Water Quality Meter | YSI | _ Gallons in Well | 2.54 |
| Sampling Type | Low Flow – QED Bladder Pump | _ Measured Well Depth (ft bmp) | 180.00 |
| Casing Material | PVC | _ Odor | None |
| Casing Diameter (in) | 2 | _ Pump Intake Depth (ft bmp) | 172 |
| Water Column in | 15.55 | _ Total Volume to Remove | |
| Well | | EB Sample ID | EB-703-Q319 |
| Did Well Dewater? | No | EB Time | 16:00 |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 15:42 | MS/MSD Sample Time | |
| Sample ID | MW-68-180-Q319 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 26 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:17 | 200 | 800 | 31.6 | 7.61 | 3569 | 51.6 | 4.67 | 89 | 164.50 | 1.85 | 2.31 |
| 15:21 | 200 | 1600 | 31.2 | 7.61 | 3555 | 52.7 | 4.76 | 52 | 164.50 | 1.85 | 2.30 |
| 15:25 | 200 | 2400 | 31.2 | 7.60 | 3530 | 53.9 | 4.70 | 35 | 164.50 | 1.85 | 2.30 |
| 15:29 | 200 | 3200 | 31.2 | 7.60 | 3532 | 54.3 | 4.65 | 29 | 164.50 | 1.85 | 2.30 |
| 15:33 | 200 | 4000 | 31.2 | 7.60 | 3531 | 55.0 | 4.63 | 27 | 164.50 | 1.85 | 2.30 |
| 15:37 | 200 | 4800 | 31.2 | 7.59 | 3529 | 55.3 | 4.60 | 26 | 164.50 | 1.85 | 2.30 |
| 15:41 | 200 | 5600 | 31.2 | 7.59 | 3526 | 56.1 | 4.58 | 26 | 164.50 | 1.85 | 2.30 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-69-195

| Date | 09/26/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 174.21 |
| Water Quality Meter | YSI | Gallons in Well | 3.49 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 195.61 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 186 |
| Water Column in | 21.4 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 09/26/2019 | MS/MSD Sample ID | |
| Sample Time | 08:38 | MS/MSD Sample Time | |
| Sample ID | MW-69-195-Q319 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 25 | Purge Date | 09/26/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:17 | 200 | 800 | 26.8 | 7.83 | 2551 | 25.0 | 1.53 | 87 | 174.30 | 1.31 | 1.65 |
| 08:21 | 200 | 1600 | 27.0 | 7.78 | 2559 | 18.8 | 1.44 | 49 | 174.30 | 1.31 | 1.66 |
| 08:25 | 200 | 2400 | 27.3 | 7.76 | 2560 | 17.6 | 1.41 | 36 | 174.30 | 1.31 | 1.66 |
| 08:29 | 200 | 3200 | 27.4 | 7.76 | 2560 | 17.1 | 1.40 | 26 | 174.30 | 1.31 | 1.66 |
| 08:33 | 200 | 4000 | 27.4 | 7.75 | 2563 | 16.5 | 1.38 | 25 | 174.30 | 1.31 | 1.66 |
| 08:37 | 200 | 4800 | 27.4 | 7.75 | 2565 | 16.1 | 1.37 | 25 | 174.30 | 1.31 | 1.66 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

PE-01

| 09/04/2019 | Sampler | Spencer Doolittle |
|-----------------|------------------------------|---|
| Sunny | Color | |
| Extraction Port | Casing Volume to Remove | |
| Na | Depth to Water (ft bmp) | |
| YSI | Gallons in Well | |
| Extraction port | Measured Well Depth (ft bmp) | |
| | Odor | |
| | Pump Intake Depth (ft bmp) | |
| | Total Volume to Remove | |
| | EB Sample ID | |
| | EB Time | |
| | MS/MSD Sample ID | |
| | MS/MSD Sample Time | |
| | Double Filter Turbidity | |
| | Post Sampling Turbidity | |
| | Purge Date | 09/04/2019 |
| | Sunny Extraction Port Na YSI | Sunny Extraction Port Casing Volume to Remove Depth to Water (ft bmp) Gallons in Well Extraction port Measured Well Depth (ft bmp) Odor Pump Intake Depth (ft bmp) Total Volume to Remove EB Sample ID EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:40 | | | 24.2 | 7.43 | 3068 | 63.2 | 3.62 | | | 1.58 | 1.9959 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |





Project Number: RC000753.0801





09/25/2019

Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA

Sampler

Project Number: RC000753.0801

| _ | _ | | _ | _ |
|---|---|-----|---|---|
| | о | B I | c | |
| | ь | N | - | |
| | | | | |

Date

| | | | | | C | olor | | | | | |
|------------|------------------------------------|--------------------|----------|----|------------------------|--------------|---------------|--------------------|-----------|-------------------|-----------|
| | | | | | C | asing Volur | ne to Remo | ve _ | | | |
| | | | | | D | epth to Wat | er (ft bmp) | _ | | | |
| | | | | | G | allons in W | ell | _ | | | |
| | | | | | M | leasured W | ell Depth (ft | bmp) | | | |
| | | | | | С |)dor | | _ | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) _ | | | |
| | | | | | Т | otal Volume | to Remove | _ | | | |
| | | | | | Е | B Sample II | D | _ | | | |
| | | | | | Е | B Time | | _ | | | |
| | | | | | M | 1S/MSD Sar | mple ID | _ | | | |
| | | | | | M | 1S/MSD Sar | mple Time | _ | | | |
| | | | | | D | ouble Filter | Turbidity | _ | | | |
| | | | | | Р | ost Samplin | g Turbidity | _ | | | |
| | | | | | Р | urge Date | | <u>C</u> | 9/25/2019 | | |
| | | | | | | | | | | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |

Well Integrity Checklist

min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

| Date | 09/24/2019 | Sampler | |
|------|------------|------------------------------|------------|
| | | Color | |
| | | Casing Volume to Remove | |
| | | Depth to Water (ft bmp) | |
| | | Gallons in Well | |
| | | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 09/24/2019 |
| | | - | |

Field Parameters

| Time | Flow Rate | Cuml Vol Purged | Temp (C) | pН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|------|----------------------------|--------------------|----------|----|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | (ml/min or gal/ min) | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

| Date | 09/24/2019 | Sampler | |
|------|------------|------------------------------|------------|
| | | Color | |
| | | Casing Volume to Remove | |
| | | Depth to Water (ft bmp) | |
| | | Gallons in Well | |
| | | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 09/24/2019 |

Field Parameters

| Time | Flow Rate | Cuml Vol Purged | Temp (C) | pН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|------|----------------------------|--------------------|----------|----|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | (ml/min or gal/ min) | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

OW-05M-LF

| Date | 10/03/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 93.66 |
| Water Quality Meter | YSI | Gallons in Well | 25.5 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 250.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 230 |
| Water Column in | 156.34 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 14:42 | MS/MSD Sample Time | |
| Sample ID | OW-05M-LF-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-905-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 14:52 | Purge Date | 10/03/2019 |
| Single Filter Turbidity | 1 | . 4.90 - 4.0 | |
| Without Filter | 1 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:17 | 500 | 2000 | 29.1 | 7.79 | 7649 | 71.6 | 8.08 | 3 | 93.73 | 4.14 | 4.94 |
| 14:21 | 500 | 4000 | 29.1 | 7.79 | 7627 | 71.0 | 8.20 | 1 | 93.73 | 4.22 | 4.94 |
| 14:25 | 500 | 6000 | 29.1 | 7.78 | 7590 | 72.1 | 8.31 | 1 | 93.73 | 4.20 | 4.92 |
| 14:29 | 500 | 8000 | 29.1 | 7.78 | 7617 | 72.6 | 8.16 | 1 | 93.73 | 4.21 | 4.95 |
| 14:33 | 500 | 10000 | 29.1 | 7.78 | 7620 | 73.0 | 8.19 | 1 | 93.73 | 4.21 | 4.95 |
| 14:37 | 500 | 12000 | 29.2 | 7.78 | 7623 | 73.2 | 8.21 | 1 | 93.73 | 4.21 | 4.95 |
| 14:41 | 500 | 14000 | 29.2 | 7.78 | 7626 | 73.6 | 8.17 | 1 | 93.73 | 4.21 | 4.95 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-83-180

| Date | 10/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 74.19 |
| Water Quality Meter | YSI | Gallons in Well | 17.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 181.31 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 107.12 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-785-1019 |
| Did Well Dewater? | No | EB Time | 09:30 |
| Sample Date | 10/25/2019 | MS/MSD Sample ID | |
| Sample Time | 08:54 | MS/MSD Sample Time | |
| Sample ID | MW-L-180-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 10/25/2019 |

Field Parameters

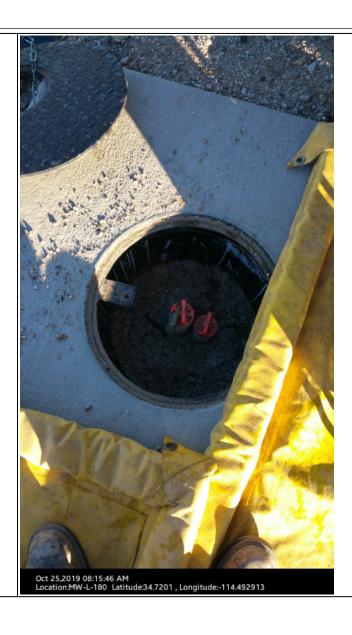
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:33 | 500 | 2000 | 29.5 | 7.92 | 12073 | 30.1 | 0.50 | 50 | 74.29 | 6.86 | 7.83 |
| 08:37 | 500 | 4000 | 29.8 | 7.84 | 12060 | 15.6 | 0.47 | 21 | 74.29 | 6.84 | 7.83 |
| 08:41 | 500 | 6000 | 29.8 | 7.83 | 12042 | 13.4 | 0.46 | 9 | 74.29 | 6.85 | 7.83 |
| 08:45 | 500 | 8000 | 29.8 | 7.83 | 12040 | 12.6 | 0.46 | 5 | 74.29 | 6.85 | 7.83 |
| 08:49 | 500 | 10000 | 29.8 | 7.83 | 12038 | 12.1 | 0.44 | 4 | 74.29 | 6.85 | 7.83 |
| 08:53 | 500 | 12000 | 29.8 | 7.82 | 12039 | 12.0 | 0.43 | 4 | 74.29 | 6.84 | 7.83 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-85-217

| Date | 10/25/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 114.30 |
| Water Quality Meter | YSI | Gallons in Well | 16.82 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 217.40 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 206.5 |
| Water Column in | 103.1 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/25/2019 | MS/MSD Sample ID | |
| Sample Time | 08:10 | MS/MSD Sample Time | |
| Sample ID | MW-N-217-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 10/25/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:45 | 500 | 2000 | 29.1 | 7.94 | 13130 | 78.9 | 0.25 | 61 | 114.40 | 7.49 | 8.54 |
| 07:49 | 500 | 4000 | 29.8 | 7.71 | 13102 | 53.9 | 0.21 | 33 | 114.40 | 7.48 | 8.50 |
| 07:53 | 500 | 6000 | 30.1 | 7.68 | 13060 | 44.1 | 0.21 | 20 | 114.40 | 7.45 | 8.49 |
| 07:57 | 500 | 8000 | 30.1 | 7.66 | 13083 | 41.7 | 0.20 | 11 | 114.40 | 7.45 | 8.49 |
| 08:01 | 500 | 10000 | 30.1 | 7.68 | 13066 | 39.0 | 0.19 | 7 | 114.40 | 7.47 | 8.48 |
| 08:05 | 500 | 12000 | 30.2 | 7.68 | 13063 | 38.6 | 0.19 | 6 | 114.40 | 7.47 | 8.48 |
| 08:09 | 500 | 14000 | 30.2 | 7.68 | 13061 | 37.9 | 0.18 | 6 | 114.40 | 7.47 | 8.48 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-75-117

| Date | 10/21/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 18.42 |
| Water Quality Meter | YSI | Gallons in Well | 16.26 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 118.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 107 |
| Water Column in | 99.69 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/21/2019 | MS/MSD Sample ID | |
| Sample Time | 12:38 | MS/MSD Sample Time | |
| Sample ID | MW-B-117-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 10/21/2019 |

Field Parameters

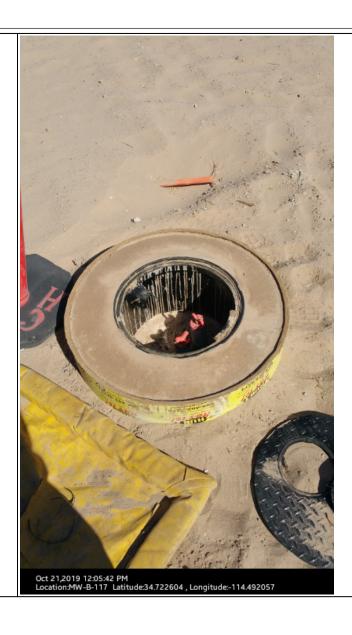
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:17 | 500 | 2000 | 28.1 | 7.56 | 13013 | -126.9 | 0.12 | 23 | 18.50 | 7.47 | 8.48 |
| 12:21 | 500 | 4000 | 28.1 | 7.59 | 13045 | -124.6 | 0.12 | 20 | 18.50 | 7.46 | 8.48 |
| 12:25 | 500 | 6000 | 28.2 | 7.61 | 13073 | -113.6 | 0.11 | 14 | 18.50 | 7.49 | 8.50 |
| 12:29 | 500 | 8000 | 28.2 | 7.61 | 13078 | -107.0 | 0.11 | 10 | 18.50 | 7.49 | 8.50 |
| 12:33 | 500 | 10000 | 28.2 | 7.62 | 13080 | -106.5 | 0.10 | 9 | 18.50 | 7.49 | 8.50 |
| 12:37 | 500 | 12000 | 28.2 | 7.62 | 13081 | -105.9 | 0.10 | 9 | 18.50 | 7.49 | 8.50 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | X | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-75-033

| Date | 10/21/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 18.41 |
| Water Quality Meter | YSI | Gallons in Well | 2.67 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 34.80 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 26 |
| Water Column in | 16.39 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/21/2019 | MS/MSD Sample ID | |
| Sample Time | 13:35 | MS/MSD Sample Time | |
| Sample ID | MW-B-33-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-923-1019 | Post Sampling Turbidity | |
| Dup Sample Time | 13:45 | Purge Date | 10/21/2019 |
| Single Filter Turbidity | 1 | 5 | |
| Without Filter | 8 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:09 | 500 | 2000 | 29.0 | 7.50 | 4900 | 10.7 | 0.94 | 209 | 18.50 | 2.60 | 3.17 |
| 13:13 | 500 | 4000 | 29.1 | 7.53 | 4874 | 13.9 | 0.92 | 97 | 18.50 | 2.60 | 3.17 |
| 13:17 | 500 | 6000 | 29.0 | 7.56 | 4864 | 12.5 | 0.92 | 44 | 18.50 | 2.60 | 3.17 |
| 13:21 | 500 | 8000 | 29.1 | 7.60 | 4858 | 12.8 | 0.98 | 23 | 18.50 | 2.60 | 3.15 |
| 13:25 | 500 | 10000 | 29.1 | 7.61 | 4860 | 13.1 | 0.97 | 9 | 18.50 | 2.60 | 3.15 |
| 13:29 | 500 | 12000 | 29.1 | 7.61 | 4863 | 13.6 | 0.97 | 8 | 18.50 | 2.60 | 3.15 |
| 13:34 | 500 | 14000 | 29.1 | 7.61 | 4865 | 14.0 | 0.97 | 8 | 18.50 | 2.60 | 3.15 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | X | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-84-057

| Date | 10/23/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.88 |
| Water Quality Meter | YSI | Gallons in Well | 2.3 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 59.01 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 51 |
| Water Column in | 14.13 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/23/2019 | MS/MSD Sample ID | |
| Sample Time | 09:18 | MS/MSD Sample Time | |
| Sample ID | MW-M-57-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-924-1019 | Post Sampling Turbidity | |
| Dup Sample Time | 09:28 | Purge Date | 10/23/2019 |
| Single Filter Turbidity | 1 | 3 | |
| Without Filter | 8 | | |

Field Parameters

Turbidity

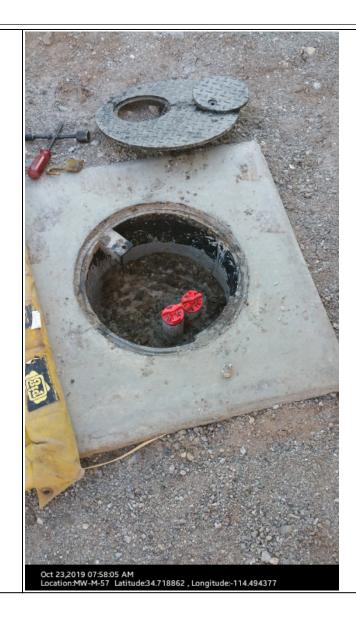
| i ioia i aia | | | | | | | | | | | |
|--------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 08:57 | 500 | 2000 | 29.8 | 8.07 | 1923 | 31.6 | 5.91 | 109 | 44.96 | 0.97 | 1.27 |
| 09:01 | 500 | 4000 | 29.8 | 8.03 | 1924 | 35.6 | 5.87 | 33 | 44.96 | 0.97 | 1.25 |
| 09:05 | 500 | 6000 | 29.8 | 8.01 | 1923 | 38.6 | 5.85 | 14 | 44.96 | 0.97 | 1.25 |
| 09:09 | 500 | 8000 | 29.8 | 7.99 | 1923 | 40.2 | 5.89 | 9 | 44.96 | 0.97 | 1.25 |
| 09:13 | 500 | 10000 | 29.8 | 7.98 | 1923 | 42.1 | 5.88 | 8 | 44.96 | 0.97 | 1.25 |
| 09:17 | 500 | 12000 | 29.8 | 7.98 | 1922 | 42.6 | 5.86 | 8 | 44.96 | 0.97 | 1.25 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-84-095

| Date | 10/23/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 44.81 |
| Water Quality Meter | YSI | Gallons in Well | 8.27 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 95.50 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 50.69 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/23/2019 | MS/MSD Sample ID | |
| Sample Time | 08:32 | MS/MSD Sample Time | |
| Sample ID | MW-M-95-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 10/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:11 | 500 | 2000 | 29.9 | 7.74 | 5934 | -68.9 | 0.61 | 279 | 44.95 | 3.19 | 3.85 |
| 08:15 | 500 | 4000 | 29.8 | 7.75 | 5938 | -70.1 | 0.56 | 87 | 44.95 | 3.20 | 3.86 |
| 08:19 | 500 | 6000 | 29.8 | 7.75 | 5932 | -72.1 | 0.53 | 26 | 44.95 | 3.20 | 3.85 |
| 08:23 | 500 | 8000 | 29.8 | 7.77 | 5909 | -76.8 | 0.45 | 9 | 44.95 | 3.19 | 3.86 |
| 08:27 | 500 | 10000 | 29.8 | 7.77 | 5931 | -77.6 | 0.43 | 8 | 44.95 | 3.19 | 3.86 |
| 08:31 | 500 | 12000 | 29.8 | 7.78 | 5919 | -77.9 | 0.42 | 8 | 44.95 | 3.19 | 3.86 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project | Number |
|---------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-84-132

| Date | 10/23/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 45.38 |
| Water Quality Meter | YSI | Gallons in Well | 14.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 134.12 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 122 |
| Water Column in | 88.74 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/23/2019 | MS/MSD Sample ID | |
| Sample Time | 10:40 | MS/MSD Sample Time | |
| Sample ID | MW-M-132-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 10/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:23 | 500 | 2000 | 29.9 | 7.99 | 8997 | -0.9 | 0.25 | 51 | 45.44 | 4.97 | 5.86 |
| 10:27 | 500 | 4000 | 30.0 | 7.92 | 8961 | -5.3 | 0.23 | 21 | 45.44 | 5.10 | 5.86 |
| 10:31 | 500 | 6000 | 30.0 | 7.91 | 9019 | -11.6 | 0.20 | 9 | 45.44 | 5.12 | 5.90 |
| 10:35 | 500 | 8000 | 30.0 | 7.91 | 9023 | -13.0 | 0.19 | 8 | 45.44 | 5.12 | 5.90 |
| 10:39 | 500 | 10000 | 30.0 | 7.90 | 9024 | -14.3 | 0.19 | 8 | 45.44 | 5.12 | 5.90 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801





Project Number: RC000753.0801

MW-84-193

| Date | 10/23/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 45.25 |
| Water Quality Meter | YSI | Gallons in Well | 24.29 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 194.18 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 183 |
| Water Column in | 148.93 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/23/2019 | MS/MSD Sample ID | |
| Sample Time | 10:04 | MS/MSD Sample Time | |
| Sample ID | MW-M-193-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 23 | Purge Date | 10/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|------------------------------------|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 00.40 | min) | 0000 | 00.0 | 0.44 | 40070 | 5.0 | 0.00 | 0.4 | 45.00 | 7.00 | 0.00 |
| 09:43 | 500 | 2000 | 30.2 | 8.14 | 13370 | 5.9 | 0.66 | 64 | 45.30 | 7.63 | 8.68 |
| 09:47 | 500 | 4000 | 30.2 | 8.09 | 13367 | 4.6 | 0.68 | 38 | 45.30 | 7.65 | 8.68 |
| 09:51 | 500 | 6000 | 30.3 | 8.08 | 13326 | 2.9 | 0.68 | 24 | 45.30 | 7.62 | 8.68 |
| 09:55 | 500 | 8000 | 30.3 | 8.08 | 13323 | 1.6 | 0.66 | 24 | 45.30 | 7.62 | 8.68 |
| 09:59 | 500 | 10000 | 30.3 | 8.08 | 13320 | 1.3 | 0.65 | 23 | 45.30 | 7.62 | 8.68 |
| 10:03 | 500 | 12000 | 30.3 | 8.08 | 13319 | 1.1 | 0.65 | 23 | 45.30 | 7.62 | 8.68 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |

17 / 117



| Project | Number |
|---------|----------|
| RC0007 | 753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-192

| Date | 10/23/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.93 |
| Water Quality Meter | YSI | Gallons in Well | 16.67 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 193.15 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 182 |
| Water Column in | 102.22 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 10/23/2019 | — MS/MSD Sample ID | |
| Sample Time | 12:02 | MS/MSD Sample Time | |
| Sample ID | MW-R-192-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:41 | 500 | 2000 | 30.3 | 8.03 | 9738 | -67.9 | 0.34 | 33 | 90.99 | 5.43 | 6.31 |
| 11:45 | 500 | 4000 | 30.5 | 7.99 | 9726 | -53.9 | 0.28 | 13 | 90.99 | 5.42 | 6.31 |
| 11:49 | 500 | 6000 | 30.5 | 7.97 | 9740 | -46.9 | 0.26 | 8 | 90.99 | 5.42 | 6.31 |
| 11:53 | 500 | 8000 | 30.5 | 7.97 | 9743 | -43.1 | 0.26 | 5 | 90.99 | 5.42 | 6.31 |
| 11:57 | 500 | 10000 | 30.6 | 7.97 | 9741 | -42.6 | 0.26 | 5 | 90.99 | 5.42 | 6.31 |
| 12:01 | 500 | 12000 | 30.6 | 7.96 | 9736 | -41.2 | 0.25 | 5 | 90.99 | 5.42 | 6.31 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|----------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-275

| Date | 10/23/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.80 |
| Water Quality Meter | YSI | Gallons in Well | 30.24 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 276.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 265 |
| Water Column in | 185.4 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/23/2019 | MS/MSD Sample ID | |
| Sample Time | 11:24 | MS/MSD Sample Time | |
| Sample ID | MW-R-275-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 10/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:03 | 500 | 2000 | 30.1 | 8.15 | 11460 | -90.5 | 0.21 | 9 | 90.90 | 6.48 | 7.44 |
| 11:07 | 500 | 4000 | 30.2 | 8.09 | 11480 | -72.0 | 0.33 | 4 | 90.90 | 6.48 | 7.45 |
| 11:11 | 500 | 6000 | 30.4 | 8.07 | 11506 | -41.0 | 0.40 | 3 | 90.90 | 6.50 | 7.45 |
| 11:15 | 500 | 8000 | 30.4 | 8.07 | 11511 | -38.3 | 0.42 | 3 | 90.90 | 6.50 | 7.45 |
| 11:19 | 500 | 10000 | 30.4 | 8.07 | 11515 | -36.1 | 0.45 | 3 | 90.90 | 6.50 | 7.45 |
| 11:23 | 500 | 12000 | 30.4 | 8.06 | 11519 | -35.5 | 0.46 | 3 | 90.90 | 6.50 | 7.45 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-109

| Date | 10/23/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.71 |
| Water Quality Meter | YSI | _ Gallons in Well | 3.33 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 111.13 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 100 |
| Water Column in | 20.42 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/23/2019 | MS/MSD Sample ID | |
| Sample Time | 12:34 | MS/MSD Sample Time | |
| Sample ID | MW-R-109-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 18 | - Purge Date | 10/23/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:17 | 300 | 1200 | 29.6 | 8.11 | 2455 | 37.7 | 4.37 | 36 | 90.73 | 1.25 | 1.59 |
| 12:21 | 300 | 2400 | 29.7 | 8.07 | 2398 | 40.3 | 4.86 | 23 | 90.73 | 1.19 | 1.53 |
| 12:25 | 300 | 3600 | 29.7 | 8.06 | 2310 | 45.6 | 4.93 | 19 | 90.73 | 1.17 | 1.50 |
| 12:29 | 300 | 4800 | 29.7 | 8.06 | 2308 | 46.0 | 4.95 | 18 | 90.73 | 1.17 | 1.50 |
| 12:33 | 300 | 6000 | 29.7 | 8.06 | 2307 | 46.6 | 4.95 | 18 | 90.73 | 1.17 | 1.50 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801





Project Number: RC000753.0801

MW-87-139

| Date | 10/23/2019 | _ Sampler | Nara Tep |
|-------------------------|-----------------------------|---|-------------|
| Weather Conditions | Sunny | _ Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 90.62 |
| Water Quality Meter | YSI | _ Gallons in Well | 8.24 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 141.12 |
| Casing Material | PVC | _ Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 129 |
| Water Column in | 50.5 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-783-1019 |
| Did Well Dewater? | No | EB Time | 15:30 |
| Sample Date | 10/23/2019 | MS/MSD Sample ID | |
| Sample Time | 13:34 | MS/MSD Sample Time | |
| Sample ID | MW-R-139-Q419 | Double Filter Turbidity | 1 |
| Duplicate Sample ID | MW-925-1019 | Post Sampling Turbidity | |
| Dup Sample Time | 13:44 | Purge Date | 10/23/2019 |
| Single Filter Turbidity | 2 | _ | |
| Without Filter | 15 | _ | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:05 | 100 | 400 | 30.4 | 7.87 | 7468 | 41.0 | 1.54 | 29 | 90.65 | 4.08 | 4.85 |
| 13:09 | 100 | 800 | 30.4 | 7.88 | 7464 | 39.7 | 1.35 | 23 | 90.65 | 4.08 | 4.84 |
| 13:13 | 100 | 1200 | 30.4 | 7.88 | 7440 | 37.6 | 1.27 | 19 | 90.65 | 4.08 | 4.83 |
| 13:17 | 100 | 1600 | 30.4 | 7.88 | 7435 | 35.9 | 1.23 | 18 | 90.65 | 4.08 | 4.83 |
| 13:21 | 100 | 2000 | 30.4 | 7.88 | 7433 | 34.6 | 1.23 | 16 | 90.65 | 4.08 | 4.83 |
| 13:25 | 100 | 2400 | 30.4 | 7.88 | 7432 | 34.0 | 1.22 | 15 | 90.65 | 4.08 | 4.83 |
| 13:29 | 100 | 2800 | 30.4 | 7.88 | 7430 | 33.5 | 1.20 | 15 | 90.65 | 4.08 | 4.83 |
| 13:33 | 100 | 3200 | 30.4 | 7.89 | 7430 | 33.1 | 1.20 | 15 | 90.65 | 4.08 | 4.83 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |

25 / 117



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-86-140

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 14.23 |
| Water Quality Meter | YSI | Gallons in Well | 21.04 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 143.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 135 |
| Water Column in | 128.97 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | |
| Sample Time | 08:58 | MS/MSD Sample Time | |
| Sample ID | MW-O-140-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:37 | 500 | 2000 | 22.2 | 7.89 | 17692 | -153.9 | 0.30 | 21 | 14.30 | 10.45 | 11.50 |
| 08:41 | 500 | 4000 | 22.3 | 7.86 | 17682 | -140.9 | 0.50 | 11 | 14.30 | 10.45 | 11.48 |
| 08:45 | 500 | 6000 | 22.3 | 7.83 | 17671 | -132.6 | 0.39 | 8 | 14.30 | 10.44 | 11.48 |
| 08:49 | 500 | 8000 | 22.3 | 7.82 | 17689 | -130.1 | 0.31 | 6 | 14.30 | 10.44 | 11.48 |
| 08:53 | 500 | 10000 | 22.3 | 7.82 | 17698 | -128.6 | 0.30 | 5 | 14.30 | 10.44 | 11.50 |
| 08:57 | 500 | 12000 | 22.3 | 7.82 | 17700 | -126.6 | 0.30 | 5 | 14.30 | 10.44 | 11.50 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-86-120

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 14.51 |
| Water Quality Meter | YSI | Gallons in Well | 17.74 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 123.27 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 110 |
| Water Column in | 108.76 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | |
| Sample Time | 09:38 | MS/MSD Sample Time | |
| Sample ID | MW-O-120-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 10/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:21 | 500 | 2000 | 21.9 | 7.69 | 12810 | -26.9 | 0.15 | 54 | 14.60 | 7.37 | 8.32 |
| 09:25 | 500 | 4000 | 21.9 | 7.73 | 12811 | -18.6 | 0.18 | 16 | 14.60 | 7.37 | 8.33 |
| 09:29 | 500 | 6000 | 21.9 | 7.75 | 12820 | -15.9 | 0.20 | 8 | 14.60 | 7.37 | 8.33 |
| 09:33 | 500 | 8000 | 21.9 | 7.75 | 12823 | -14.3 | 0.20 | 7 | 14.60 | 7.37 | 8.33 |
| 09:37 | 500 | 10000 | 21.9 | 7.75 | 12825 | -13.6 | 0.21 | 7 | 14.60 | 7.37 | 8.33 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-86-066

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 13.98 |
| Water Quality Meter | YSI | Gallons in Well | 9.01 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 69.25 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 56 |
| Water Column in | 55.27 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | |
| Sample Time | 10:16 | MS/MSD Sample Time | |
| Sample ID | MW-O-66-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 10/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:59 | 500 | 2000 | 21.1 | 7.79 | 6953 | -37.9 | 0.13 | 47 | 14.02 | 3.91 | 4.63 |
| 10:03 | 500 | 4000 | 21.2 | 7.73 | 7469 | -44.6 | 0.10 | 21 | 14.02 | 4.13 | 4.85 |
| 10:07 | 500 | 6000 | 21.2 | 7.70 | 7470 | -44.9 | 0.10 | 10 | 14.02 | 4.13 | 4.85 |
| 10:11 | 500 | 8000 | 21.2 | 7.69 | 7473 | -45.9 | 0.11 | 9 | 14.02 | 4.13 | 4.85 |
| 10:15 | 500 | 10000 | 21.2 | 7.69 | 7475 | -46.2 | 0.10 | 9 | 14.02 | 4.13 | 4.85 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-86-030

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|--------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 13.80 |
| Water Quality Meter | YSI | Gallons in Well | 3.1 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 32.80 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 22 |
| Water Column in | 19.0 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | MW-O-30-1019 MSMSD |
| Sample Time | 10:56 | MS/MSD Sample Time | 10:56 |
| Sample ID | MW-O-30-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 10/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:35 | 500 | 2000 | 23.4 | 7.80 | 1342 | -40.2 | 0.28 | 209 | 13.90 | 0.67 | 0.87 |
| 10:39 | 500 | 4000 | 23.4 | 7.76 | 1341 | -41.6 | 0.26 | 63 | 13.90 | 0.67 | 0.87 |
| 10:43 | 500 | 6000 | 23.4 | 7.75 | 1349 | -43.6 | 0.26 | 22 | 13.90 | 0.67 | 0.87 |
| 10:47 | 500 | 8000 | 23.3 | 7.72 | 1346 | -48.9 | 0.24 | 8 | 13.90 | 0.67 | 0.87 |
| 10:51 | 500 | 10000 | 23.3 | 7.72 | 1345 | -49.5 | 0.24 | 7 | 13.90 | 0.67 | 0.87 |
| 10:55 | 500 | 12000 | 23.3 | 7.72 | 1345 | -50.2 | 0.23 | 7 | 13.9 | 0.67 | 0.87 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|----------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-76-218

| Date | 10/22/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.24 |
| Water Quality Meter | YSI | Gallons in Well | 31.38 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 219.65 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 213 |
| Water Column in | 192.41 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/22/2019 | MS/MSD Sample ID | |
| Sample Time | 10:48 | MS/MSD Sample Time | |
| Sample ID | MW-C-218-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 10/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:27 | 500 | 2000 | 28.8 | 8.38 | 19908 | 12.2 | 0.15 | 199 | 27.36 | 11.77 | 12.91 |
| 10:31 | 500 | 4000 | 28.9 | 8.40 | 21639 | -30.9 | 0.13 | 34 | 27.36 | 13.03 | 14.19 |
| 10:35 | 500 | 6000 | 29.0 | 8.40 | 22705 | -50.9 | 0.11 | 13 | 27.36 | 13.62 | 14.76 |
| 10:39 | 500 | 8000 | 29.0 | 8.41 | 22730 | -53.9 | 0.11 | 8 | 27.36 | 13.62 | 14.76 |
| 10:43 | 500 | 10000 | 29.0 | 8.41 | 22749 | -55.1 | 0.10 | 7 | 27.36 | 13.62 | 14.76 |
| 10:47 | 500 | 12000 | 29.0 | 8.41 | 22753 | -56.1 | 0.10 | 7 | 27.36 | 13.62 | 14.76 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

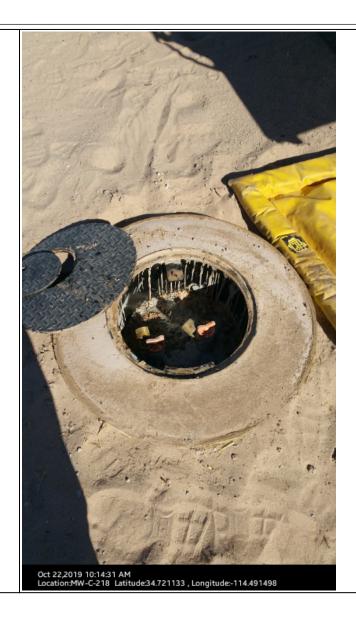
35 / 117



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings



36 / 117



Project Number: RC000753.0801

MW-76-181

| Date | 10/22/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.45 |
| Water Quality Meter | YSI | Gallons in Well | 25.32 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 182.71 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 176 |
| Water Column in | 155.26 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/22/2019 | MS/MSD Sample ID | |
| Sample Time | 11:30 | MS/MSD Sample Time | |
| Sample ID | MW-C-181-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 10/22/2019 |

Field Parameters

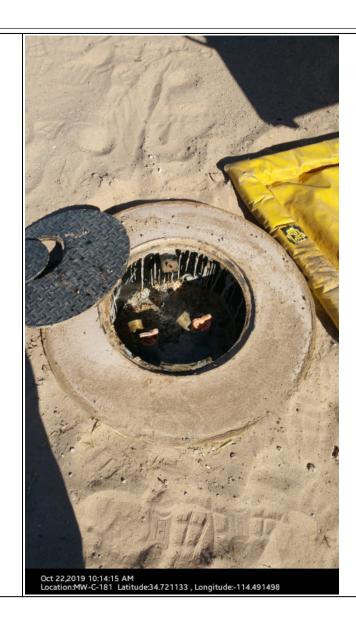
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:09 | 500 | 2000 | 29.1 | 7.78 | 20440 | 37.9 | 0.14 | 29 | 27.53 | 12.14 | 13.31 |
| 11:13 | 500 | 4000 | 29.1 | 7.73 | 20464 | 36.9 | 0.13 | 13 | 27.53 | 12.14 | 13.31 |
| 11:17 | 500 | 6000 | 29.2 | 7.71 | 20480 | 35.0 | 0.13 | 8 | 27.53 | 12.14 | 13.31 |
| 11:21 | 500 | 8000 | 29.1 | 7.70 | 20454 | 34.3 | 0.15 | 5 | 27.53 | 12.15 | 13.31 |
| 11:25 | 500 | 10000 | 29.1 | 7.70 | 20461 | 33.6 | 0.15 | 5 | 27.53 | 12.15 | 13.31 |
| 11:29 | 500 | 12000 | 29.1 | 7.70 | 20465 | 32.6 | 0.14 | 4 | 27.53 | 12.15 | 13.31 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-76-156

| Date | 10/22/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.21 |
| Water Quality Meter | YSI | Gallons in Well | 20.97 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 155.76 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 151 |
| Water Column in | 128.55 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/22/2019 | MS/MSD Sample ID | |
| Sample Time | 12:10 | MS/MSD Sample Time | |
| Sample ID | MW-C-156-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 10/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:49 | 500 | 2000 | 29.1 | 7.93 | 16946 | 10.0 | 0.12 | 35 | 27.35 | 9.90 | 11.01 |
| 11:53 | 500 | 4000 | 29.1 | 7.90 | 16971 | 12.6 | 0.12 | 16 | 27.35 | 9.90 | 11.03 |
| 11:57 | 500 | 6000 | 29.1 | 7.90 | 16976 | 13.0 | 0.11 | 11 | 27.35 | 9.90 | 11.03 |
| 12:01 | 500 | 8000 | 29.1 | 7.90 | 16980 | 13.5 | 0.11 | 8 | 27.35 | 9.90 | 11.03 |
| 12:05 | 500 | 10000 | 29.1 | 7.90 | 16986 | 14.6 | 0.11 | 7 | 27.35 | 9.90 | 11.03 |
| 12:09 | 500 | 12000 | 29.1 | 7.89 | 16988 | 14.9 | 0.11 | 7 | 27.35 | 9.90 | 11.03 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-76-039

| Date | 10/22/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 26.69 |
| Water Quality Meter | YSI | Gallons in Well | 1.89 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 38.29 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 33 |
| Water Column in | 11.6 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 10/22/2019 | — MS/MSD Sample ID | |
| Sample Time | 12:44 | MS/MSD Sample Time | |
| Sample ID | MW-C-39-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | — Purge Date | 10/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:27 | 500 | 2000 | 29.8 | 8.00 | 3145 | 43.9 | 0.84 | 64 | 26.75 | 1.63 | 2.04 |
| 12:31 | 500 | 4000 | 29.2 | 7.95 | 3239 | 39.6 | 0.62 | 22 | 26.75 | 1.66 | 2.08 |
| 12:35 | 500 | 6000 | 29.2 | 7.92 | 3249 | 36.9 | 0.59 | 9 | 26.75 | 1.66 | 2.08 |
| 12:39 | 500 | 8000 | 29.2 | 7.92 | 3253 | 35.6 | 0.58 | 8 | 26.75 | 1.66 | 2.08 |
| 12:43 | 500 | 10000 | 29.2 | 7.92 | 3255 | 34.5 | 0.56 | 8 | 26.75 | 1.66 | 2.08 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-75-337

| Date | 10/21/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.59 |
| Water Quality Meter | YSI | Gallons in Well | 52.02 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 338.50 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 327 |
| Water Column in | 318.91 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/21/2019 | MS/MSD Sample ID | |
| Sample Time | 11:46 | MS/MSD Sample Time | |
| Sample ID | MW-B-337-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:17 | 500 | 2000 | 29.1 | 7.60 | 30959 | -170.9 | 0.14 | 36 | 19.65 | 19.13 | 20.11 |
| 11:21 | 500 | 4000 | 29.3 | 7.67 | 30971 | -168.0 | 0.12 | 17 | 19.65 | 19.14 | 20.13 |
| 11:25 | 500 | 6000 | 29.3 | 7.68 | 30982 | -165.3 | 0.11 | 10 | 19.65 | 19.16 | 20.13 |
| 11:29 | 500 | 8000 | 29.3 | 7.70 | 30997 | -163.6 | 0.11 | 7 | 19.65 | 19.16 | 20.13 |
| 11:33 | 500 | 10000 | 29.3 | 7.70 | 30994 | -163.1 | 0.11 | 6 | 19.65 | 19.16 | 20.13 |
| 11:37 | 500 | 12000 | 29.3 | 7.70 | 30992 | -162.5 | 0.10 | 5 | 19.65 | 19.16 | 20.13 |
| 11:41 | 500 | 14000 | 29.3 | 7.70 | 30990 | -161.3 | 0.10 | 5 | 19.65 | 19.16 | 20.13 |
| 11:45 | 500 | 16000 | 29.3 | 7.71 | 30992 | -160.8 | 0.10 | 5 | 19.65 | 19.16 | 20.13 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-82-112

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 30.54 |
| Water Quality Meter | YSI | Gallons in Well | 13.65 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 114.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 107 |
| Water Column in | 83.66 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | |
| Sample Time | 13:40 | MS/MSD Sample Time | |
| Sample ID | MW-H-112-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 10/24/2019 |

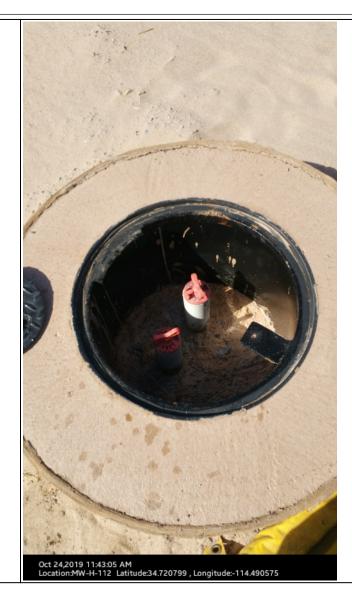
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:23 | 500 | 2000 | 25.9 | 7.63 | 8819 | 8.0 | 0.15 | 9 | 30.64 | 4.91 | 5.73 |
| 13:27 | 500 | 4000 | 25.9 | 7.61 | 8847 | 9.3 | 0.14 | 5 | 30.64 | 4.93 | 5.75 |
| 13:31 | 500 | 6000 | 25.9 | 7.61 | 8853 | 9.9 | 0.14 | 3 | 30.64 | 4.93 | 5.75 |
| 13:35 | 500 | 8000 | 25.8 | 7.60 | 8856 | 11.3 | 0.13 | 2 | 30.64 | 4.93 | 5.75 |
| 13:39 | 500 | 10000 | 25.8 | 7.60 | 8859 | 11.6 | 0.13 | 2 | 30.64 | 4.93 | 5.75 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-82-168

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 30.40 |
| Water Quality Meter | YSI | Gallons in Well | 22.74 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 169.80 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 158 |
| Water Column in | 139.4 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | |
| Sample Time | 12:56 | MS/MSD Sample Time | |
| Sample ID | MW-H-168-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:39 | 500 | 2000 | 26.3 | 7.86 | 19794 | 0.7 | 0.15 | 29 | 30.45 | 11.76 | 12.87 |
| 12:43 | 500 | 4000 | 26.4 | 7.85 | 19805 | -2.9 | 0.14 | 11 | 30.45 | 11.77 | 12.87 |
| 12:47 | 500 | 6000 | 26.5 | 7.85 | 19819 | -3.6 | 0.12 | 6 | 30.45 | 11.78 | 12.88 |
| 12:51 | 500 | 8000 | 26.5 | 7.85 | 19823 | -4.0 | 0.12 | 5 | 30.45 | 11.78 | 12.88 |
| 12:55 | 500 | 10000 | 26.5 | 7.85 | 19825 | -4.9 | 0.12 | 5 | 30.45 | 11.78 | 12.88 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-82-198

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 30.10 |
| Water Quality Meter | YSI | Gallons in Well | 27.62 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 199.45 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 188 |
| Water Column in | 169.35 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | |
| Sample Time | 12:16 | MS/MSD Sample Time | |
| Sample ID | MW-H-198-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 10/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:57 | 500 | 2000 | 26.6 | 7.85 | 21905 | -95.6 | 0.15 | 49 | 30.19 | 13.14 | 14.23 |
| 12:01 | 500 | 4000 | 26.6 | 7.83 | 21895 | -93.5 | 0.15 | 28 | 30.19 | 13.14 | 14.23 |
| 12:05 | 500 | 6000 | 26.6 | 7.86 | 21891 | -87.9 | 0.14 | 11 | 30.19 | 13.13 | 14.22 |
| 12:09 | 500 | 8000 | 26.6 | 7.86 | 21888 | -86.9 | 0.14 | 7 | 30.19 | 13.13 | 14.22 |
| 12:11 | 500 | 10000 | 26.6 | 7.86 | 21886 | -85.0 | 0.14 | 6 | 30.19 | 13.13 | 14.22 |
| 12:15 | 500 | 12000 | 26.6 | 7.86 | 21883 | -84.6 | 0.14 | 6 | 30.19 | 13.13 | 14.22 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|----------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings



50 / 117



Project Number: RC000753.0801

MW-82-046

| Date | 10/24/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 29.61 |
| Water Quality Meter | YSI | Gallons in Well | 2.95 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 47.71 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 41 |
| Water Column in | 18.1 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-784-1019 |
| Did Well Dewater? | No | EB Time | 15:00 |
| Sample Date | 10/24/2019 | MS/MSD Sample ID | |
| Sample Time | 14:22 | MS/MSD Sample Time | |
| Sample ID | MW-H-46-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/24/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:01 | 500 | 2000 | 26.4 | 7.59 | 10111 | -50.6 | 0.12 | 177 | 29.69 | 3.46 | 4.12 |
| 14:05 | 500 | 4000 | 26.5 | 7.56 | 7614 | -38.9 | 0.17 | 33 | 29.69 | 4.22 | 5.01 |
| 14:09 | 500 | 6000 | 26.5 | 7.55 | 8706 | -48.6 | 0.15 | 13 | 29.69 | 4.86 | 5.68 |
| 14:13 | 500 | 8000 | 26.5 | 7.55 | 9167 | -55.3 | 0.16 | 6 | 29.69 | 5.13 | 5.98 |
| 14:17 | 500 | 10000 | 26.5 | 7.54 | 9203 | -56.9 | 0.16 | 5 | 29.69 | 5.13 | 5.98 |
| 14:21 | 500 | 12000 | 26.5 | 7.54 | 9213 | -57.3 | 0.15 | 5 | 29.69 | 5.13 | 5.98 |

Well Integrity Checklist

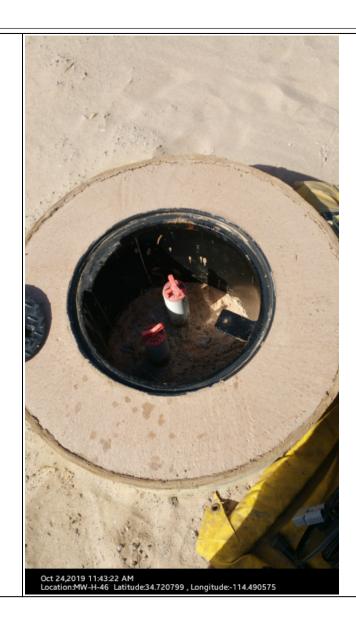
| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

51 / 117



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-D-82

| Date | 10/04/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 25.80 |
| Water Quality Meter | YSI | Gallons in Well | 13.06 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 105.84 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 92.00 |
| Water Column in | 80.04 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-712-Q319 |
| Did Well Dewater? | No | EB Time | 09:45 |
| Sample Date | 10/04/2019 | MS/MSD Sample ID | |
| Sample Time | 09:35 | MS/MSD Sample Time | |
| Sample ID | MW-D-82-Q419 | Double Filter Turbidity | 7 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 32 | Purge Date | 10/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:13 | 500 | 1500 | 26.2 | 6.98 | 8641 | -14.6 | 1.26 | 215 | 25.84 | 4.82 | 5.61 |
| 09:16 | 500 | 3000 | 26.6 | 6.96 | 8643 | -24.6 | 1.08 | 132 | 25.84 | 4.81 | 5.62 |
| 09:19 | 500 | 4500 | 26.9 | 6.98 | 8668 | -32.7 | 0.86 | 74 | 25.84 | 4.84 | 5.63 |
| 09:22 | 500 | 6000 | 27.0 | 6.98 | 8703 | -48.2 | 0.92 | 35 | 25.84 | 4.84 | 5.66 |
| 09:25 | 500 | 7500 | 26.8 | 6.97 | 8758 | -64.6 | 0.99 | 33 | 25.84 | 4.86 | 5.67 |
| 09:28 | 500 | 9000 | 26.7 | 6.97 | 8743 | -67.5 | 0.74 | 34 | 25.84 | 4.86 | 5.68 |
| 09:31 | 500 | 10500 | 26.7 | 6.98 | 8796 | -70.9 | 0.64 | 32 | 28.84 | 4.87 | 5.70 |
| 09:34 | 500 | 12000 | 26.7 | 6.98 | 8784 | -74.2 | 0.60 | 32 | 28.84 | 4.87 | 5.77 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | Х | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-77-158

| Date | 10/04/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|---------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 26.17,26.29 |
| Water Quality Meter | YSI | Gallons in Well | 21.94,21.92 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 160.71,160.67 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 150,148 |
| Water Column in | 134.54,134.38 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-713-Q319 |
| Did Well Dewater? | No | EB Time | 09:20 |
| Sample Date | 10/04/2019,10/22/2019 | MS/MSD Sample ID | |
| Sample Time | 08:46,09:57 | MS/MSD Sample Time | |
| Sample ID | MW-D-158-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5,8 | Purge Date | 10/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:37 | 500 | 2000 | 27.2 | 7.89 | 20235 | 25.0 | 0.39 | 18 | 26.35 | 12.03 | 13.13 |
| 09:41 | 500 | 4000 | 27.2 | 7.91 | 20245 | 21.2 | 0.38 | 9 | 26.35 | 12.02 | 13.14 |
| 09:45 | 500 | 6000 | 27.3 | 7.91 | 20253 | 20.5 | 0.35 | 6 | 26.35 | 12.04 | 13.15 |
| 09:49 | 500 | 8000 | 27.3 | 7.92 | 20240 | 18.6 | 0.35 | 9 | 26.35 | 12.08 | 13.15 |
| 09:53 | 500 | 10000 | 27.3 | 7.92 | 20249 | 17.6 | 0.34 | 8 | 26.35 | 12.08 | 13.15 |
| 09:57 | 500 | 12000 | 27.3 | 7.92 | 20251 | 15.9 | 0.34 | 8 | 26.35 | 12.08 | 13.15 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | X | | |
| Standing or Ponded Water? | | X | X | |
| Lock in Place? | | X | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |



| Project | Number |
|----------------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801





Project Number: RC000753.0801

MW-77-187

| Date | 10/04/2019 | Sampler | KT,Nara Tep |
|-----------------------------|-------------------------|------------------------------|---------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 25.68,26.16 |
| Water Quality Meter | YSI | _ Gallons in Well | 26.74,26.71 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 189.64,189.90 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 177 |
| Water Column in | 163.96,163.74 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 10/04/2019,10/22/2019 | MS/MSD Sample ID | |
| Sample Time | 08:41,09:22 | MS/MSD Sample Time | |
| Sample ID | MW-D-187-Q419 | - Double Filter Turbidity | |
| Single Filter Turbidity | 0,1 | - Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | - Purge Date | 10/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:33 | 500 | 10500 | 27.7 | 7.73 | 24017 | -13.4 | 0.47 | 3 | 25.71 | 14.5 | 15.6 |
| 08:36 | 500 | 12000 | 27.7 | 7.73 | 24005 | -13.7 | 0.44 | 3 | 25.71 | 14.5 | 15.6 |
| 08:39 | 50 | 13500 | 27.7 | 7.73 | 23980 | -14.6 | 0.48 | 3 | 25.71 | 14.5 | 15.6 |
| 09:01 | 500 | 2000 | 27.0 | 8.23 | 23277 | 40.5 | 1.29 | 13 | 26.23 | 14.03 | 15.13 |
| 09:05 | 500 | 4000 | 27.5 | 8.26 | 23282 | 22.8 | 0.84 | 82 | 26.23 | 14.5 | 15.5 |
| 09:09 | 500 | 6000 | 27.6 | 8.31 | 23549 | 22.3 | 0.77 | 4 | 26.23 | 14.5 | 15.6 |
| 09:13 | 500 | 8000 | 27.6 | 8.32 | 24009 | 19.4 | 0.60 | 3 | 26.23 | 14.5 | 15.6 |
| 09:17 | 500 | 7500 | 27.7 | 8.32 | 24027 | 18.6 | 0.58 | 7 | 26.23 | 14.5 | 15.6 |
| 09:21 | 500 | 9000 | 27.7 | 8.33 | 24039 | 17.9 | 0.51 | 4 | 26.23 | 14.5 | 15.6 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | Х | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | Х | X | |
| Steel Casing Intact? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801





Project Number: RC000753.0801

MW-75-267

| Date | 10/21/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 18.86 |
| Water Quality Meter | YSI | Gallons in Well | 40.88 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 269.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 257 |
| Water Column in | 250.65 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-781-1019 |
| Did Well Dewater? | No | - EB Time | 15:15 |
| Sample Date | 10/21/2019 | MS/MSD Sample ID | |
| Sample Time | 14:46 | MS/MSD Sample Time | |
| Sample ID | MW-B-267R-Q419 | - Double Filter Turbidity | |
| Single Filter Turbidity | 1 | - Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | - Purge Date | 10/21/2019 |

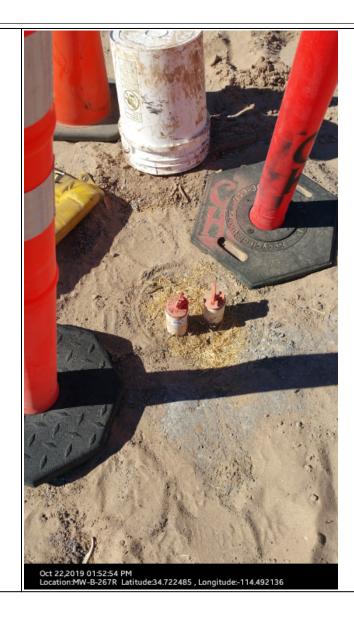
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:17 | 500 | 2000 | 28.8 | 7.80 | 23114 | -99.6 | 0.12 | 27 | 18.96 | 13.87 | 14.98 |
| 14:21 | 500 | 4000 | 28.9 | 7.85 | 23103 | -112.9 | 0.10 | 15 | 18.96 | 13.88 | 15.01 |
| 14:25 | 500 | 6000 | 28.9 | 7.88 | 23304 | -128.9 | 0.10 | 12 | 18.96 | 14.01 | 15.14 |
| 14:29 | 500 | 8000 | 28.9 | 7.90 | 23322 | -130.9 | 0.10 | 10 | 18.96 | 14.03 | 15.17 |
| 14:33 | 500 | 10000 | 28.9 | 7.91 | 23317 | -132.0 | 0.10 | 8 | 18.96 | 14.05 | 15.16 |
| 14:37 | 500 | 12000 | 28.9 | 7.91 | 23315 | -133.6 | 0.10 | 8 | 18.96 | 14.05 | 15.16 |
| 14:41 | 500 | 14000 | 28.9 | 7.92 | 23325 | -133.6 | 0.10 | 7 | 18.96 | 14.05 | 15.16 |
| 14:45 | 500 | 16000 | 28.9 | 7.92 | 23327 | -134.3 | 0.10 | 7 | 18.96 | 14.05 | 15.16 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-75-202

| Date | 10/22/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 18.31 |
| Water Quality Meter | YSI | Gallons in Well | 30.34 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 204.31 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 192 |
| Water Column in | 186.0 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-782-1019 |
| Did Well Dewater? | No | EB Time | 15:00 |
| Sample Date | 10/22/2019 | MS/MSD Sample ID | |
| Sample Time | 14:34 | MS/MSD Sample Time | |
| Sample ID | MW-B-202-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 10/22/2019 |

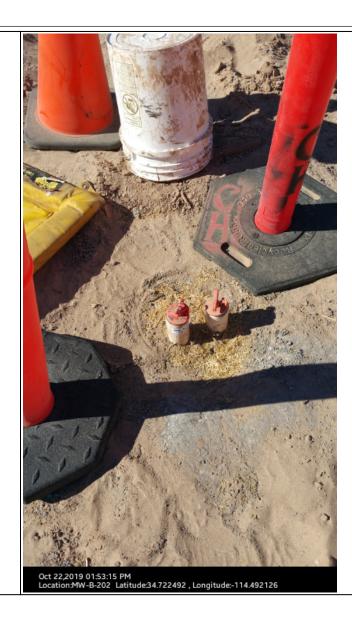
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:11 | 500 | 2000 | 28.7 | 7.98 | 17480 | 6.3 | 0.20 | 39 | 18.39 | 10.38 | 11.53 |
| 14:15 | 500 | 4000 | 28.8 | 7.95 | 18147 | 7.2 | 0.17 | 12 | 18.39 | 10.67 | 11.82 |
| 14:19 | 500 | 6000 | 28.8 | 7.93 | 18344 | 14.3 | 0.13 | 7 | 18.39 | 10.80 | 11.92 |
| 14:23 | 500 | 8000 | 28.8 | 7.93 | 18390 | 15.6 | 0.12 | 5 | 18.39 | 10.80 | 11.93 |
| 14:27 | 500 | 10000 | 28.8 | 7.92 | 18401 | 16.6 | 0.12 | 4 | 18.39 | 10.80 | 11.93 |
| 14:33 | 50 | 12000 | 28.8 | 7.92 | 18409 | 16.9 | 0.11 | 4 | 18.39 | 10.80 | 11.93 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | | Χ | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-77-102

| Date | 10/22/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|---------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 26.14 |
| Water Quality Meter | YSI | Gallons in Well | 12.98 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 105.73 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 92 |
| Water Column in | 79.59 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/22/2019 | MS/MSD Sample ID | MW-D-102-1019 MSMSD |
| Sample Time | 08:38 | MS/MSD Sample Time | 08:38 |
| Sample ID | MW-D-102-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 10/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:17 | 500 | 2000 | 26.6 | 7.75 | 8343 | 1.9 | 0.18 | 126 | 26.26 | 4.66 | 5.39 |
| 08:21 | 500 | 4000 | 26.6 | 7.73 | 8369 | 2.5 | 0.16 | 39 | 26.26 | 4.63 | 5.46 |
| 08:25 | 500 | 6000 | 26.7 | 7.72 | 8358 | 3.8 | 0.15 | 16 | 26.26 | 4.70 | 5.36 |
| 08:29 | 500 | 8000 | 26.7 | 7.72 | 8363 | 3.9 | 0.15 | 9 | 26.26 | 4.70 | 5.36 |
| 08:33 | 500 | 10000 | 26.7 | 7.72 | 8365 | 4.2 | 0.14 | 8 | 26.26 | 4.70 | 5.36 |
| 08:37 | 500 | 12000 | 26.7 | 7.72 | 8366 | 4.5 | 0.14 | 8 | 26.26 | 4.70 | 5.36 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |

65 / 117



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

CW-01D

| Date | 10/02/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 108.85 |
| Water Quality Meter | YSI | Gallons in Well | 31.18 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 300.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 275 |
| Water Column in | 191.15 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/02/2019 | MS/MSD Sample ID | |
| Sample Time | 13:18 | MS/MSD Sample Time | |
| Sample ID | CW-01D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 10/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:00 | .2 | 1500 | 28.5 | 7.00 | 7877 | 160.0 | 7.85 | 4 | 108.95 | 4.35 | 5.13 |
| 13:03 | .2 | 3000 | 28.5 | 7.11 | 7907 | 150.4 | 8.44 | 2 | 108.97 | 4.36 | 5.14 |
| 13:06 | .2 | 4500 | 29.2 | 7.19 | 7898 | 143.8 | 8.44 | 2 | 108.97 | 4.36 | 5.14 |
| 13:09 | .2 | 6000 | 29.3 | 7.22 | 8021 | 143.0 | 8.50 | 2 | 108.97 | 4.36 | 5.14 |
| 13:12 | .2 | 7500 | 29.3 | 7.24 | 8029 | 143.6 | 8.53 | 2 | 108.97 | 4.36 | 5.14 |
| 13:15 | .2 | 9000 | 29.3 | 7.25 | 8034 | 144.0 | 8.60 | 2 | 108.97 | 4.36 | 5.14 |

Well Integrity Checklist

| Itam Voc No NA Notes | | | | | |
|---------------------------|-------|------|------|-----|------|
| Itom Voc No NA Notos | | | | | • |
| TIEM TEST NO TINA TINOTES | Notes | ∣ NA | l No | Yes | ltem |



Project Number: RC000753.0801





Project Number: RC000753.0801

CW-01M

| Date | 10/02/2019 | Sampler | Kt |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 108.88 |
| Water Quality Meter | YSI | Gallons in Well | 13.23 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 190.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 160.00 |
| Water Column in | 81.12 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-709-Q319 |
| Did Well Dewater? | No | EB Time | 14:32 |
| Sample Date | 10/02/2019 | MS/MSD Sample ID | |
| Sample Time | 14:18 | MS/MSD Sample Time | |
| Sample ID | CW-01M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 10/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:58 | .2 | 1500 | 30.9 | 7.56 | 8090 | 118.3 | 6.74 | 8 | 108.92 | 4.44 | 5.25 |
| 14:01 | .2 | 3000 | 31.0 | 7.54 | 8116 | 122.4 | 7.04 | 3 | 108.94 | 4.45 | 5.28 |
| 14:04 | .2 | 4500 | 31.1 | 7.53 | 8262 | 124.2 | 6.98 | 2 | 108.94 | 4.56 | 5.30 |
| 14:07 | .2 | 6000 | 31.1 | 7.54 | 8316 | 125.2 | 8.02 | 2 | 108.94 | 4.56 | 5.30 |
| 14:10 | .2 | 7500 | 31.1 | 7.54 | 8324 | 125.8 | 8.12 | 2 | 108.94 | 4.56 | 5.30 |
| 14:13 | .2 | 9000 | 31.1 | 7.54 | 8330 | 126.2 | 8.22 | 2 | 108.94 | 4.56 | 5.30 |
| 14:16 | .2 | 10500 | 31.1 | 7.54 | 8337 | 127.5 | 8.25 | 2 | 108.94 | 4.56 | 5.30 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

CW-02D

| Date | 10/02/2019 | Sampler | KT |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 92.09 |
| Water Quality Meter | YSI | Gallons in Well | 39.62 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 335 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 310 |
| Water Column in | 242.91 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/02/2019 | MS/MSD Sample ID | |
| Sample Time | 11:50 | MS/MSD Sample Time | |
| Sample ID | CW-02D-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-903-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 12:00 | Purge Date | 10/02/2019 |
| Single Filter Turbidity | 0 | | |
| Without Filter | 4 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:30 | .2 | 1500 | 28.3 | 7.52 | 8040 | 164.3 | 7.32 | 7 | 92.13 | 4.47 | 5.26 |
| 11:33 | .2 | 3000 | 28.4 | 7.56 | 8006 | 163.9 | 7.49 | 3 | 92.13 | 4.44 | 5.23 |
| 11:36 | .2 | 4500 | 28.6 | 7.59 | 8015 | 161.6 | 7.55 | 4 | 92.13 | 4.46 | 5.27 |
| 11:39 | .2 | 6000 | 28.7 | 7.59 | 8135 | 160.6 | 7.61 | 4 | 92.13 | 4.46 | 5.27 |
| 11:42 | .2 | 7500 | 28.8 | 7.60 | 8106 | 160.0 | 7.74 | 4 | 92.13 | 4.46 | 5.27 |
| 11:45 | .2 | 9000 | 28.9 | 7.60 | 8113 | 160.1 | 7.81 | 4 | 92.13 | 4.46 | 5.27 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |

| Ph | otos | and | Drawings | |
|----|------|-----|-----------------|---|
| | Olos | anu | Diawiiigs | , |



Project Number: RC000753.0801

CW-02M

| Date | 10/02/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 92.51 |
| Water Quality Meter | YSI | Gallons in Well | 17.86 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 202 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 177 |
| Water Column in | 109.49 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/02/2019 | MS/MSD Sample ID | |
| Sample Time | 10:28 | MS/MSD Sample Time | |
| Sample ID | CW-02M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 10/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:11 | .2 | 1500 | 28.2 | 7.44 | 8042 | 169.8 | 8.02 | 17 | 92.57 | 4.43 | 5.23 |
| 10:14 | .2 | 3000 | 29.3 | 7.53 | 8039 | 168.8 | 8.03 | 11 | 92.57 | 4.43 | 5.22 |
| 10:17 | .2 | 4500 | 29.4 | 7.55 | 8045 | 168.7 | 8.07 | 6 | 92.57 | 4.43 | 5.23 |
| 10:20 | .2 | 6000 | 29.4 | 7.54 | 8053 | 169.0 | 8.11 | 2 | 92.57 | 4.43 | 5.23 |
| 10:23 | .2 | 7500 | 29.4 | 7.55 | 8059 | 169.3 | 8.08 | 2 | 92.57 | 4.43 | 5.23 |
| 10:26 | .2 | 9000 | 29.5 | 7.55 | 8057 | 169.8 | 8.07 | 2 | 92.57 | 4.43 | 5.23 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Χ | | | |





Project Number: RC000753.0801

CW-03D

| Date | 10/02/2019 | Sampler | Kt |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 76.60 |
| Water Quality Meter | YSI | Gallons in Well | 39.7 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 320.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 295 |
| Water Column in | 243.4 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/02/2019 | MS/MSD Sample ID | |
| Sample Time | 08:30 | MS/MSD Sample Time | |
| Sample ID | CW-03D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 10/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:08 | .2 | 1500 | 27.8 | 7.54 | 8057 | 178.5 | 8.33 | 7 | 76.67 | 4.45 | 5.26 |
| 08:11 | .2 | 3000 | 27.3 | 7.49 | 8053 | 177.3 | 8.40 | 4 | 76.67 | 4.45 | 5.26 |
| 08:14 | .2 | 4500 | 27.0 | 7.47 | 8046 | 175.9 | 8.41 | 2 | 76.67 | 4.45 | 5.26 |
| 08:17 | .2 | 6000 | 26.8 | 7.45 | 8055 | 176.8 | 8.45 | 2 | 76.67 | 4.45 | 5.26 |
| 08:20 | .2 | 7500 | 26.7 | 7.46 | 8047 | 174.4 | 8.45 | 2 | 76.67 | 4.45 | 5.25 |
| 08:23 | .2 | 9000 | 26.8 | 7.48 | 8046 | 172.7 | 8.40 | 2 | 76.67 | 4.45 | 5.25 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

CW-03M

| Date | 10/02/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 77.33 |
| Water Quality Meter | YSI | Gallons in Well | 23.6 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 222 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 197 |
| Water Column in | 144.67 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/02/2019 | MS/MSD Sample ID | |
| Sample Time | 09:36 | MS/MSD Sample Time | |
| Sample ID | CW-03M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 10/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:08 | .2 | 1500 | 28.6 | 7.41 | 8632 | 172.4 | 6.88 | 54 | 77.40 | 4.78 | 5.60 |
| 09:11 | .2 | 3000 | 28.7 | 7.43 | 8641 | 172.3 | 6.83 | 23 | 77.41 | 4.78 | 5.61 |
| 09:14 | .2 | 4500 | 28.2 | 7.42 | 8632 | 172.9 | 6.41 | 11 | 77.41 | 4.77 | 5.59 |
| 09:17 | .2 | 6000 | 27.9 | 7.39 | 8597 | 173.6 | 6.42 | 5 | 77.41 | 4.74 | 5.58 |
| 09:20 | .2 | 7500 | 27.8 | 7.39 | 8555 | 173.9 | 6.29 | 3 | 77.41 | 4.75 | 5.57 |
| 09:23 | .2 | 9000 | 27.7 | 7.38 | 8585 | 173.9 | 6.25 | 3 | 77.41 | 4.74 | 5.57 |
| 09:26 | .2 | 10500 | 27.6 | 7.36 | 8576 | 173.6 | 6.28 | 3 | 77.41 | 4.74 | 5.57 |
| 09:29 | .2 | 12000 | 27.5 | 7.35 | 8562 | 173.6 | 6.25 | 3 | 77.41 | 4.74 | 5.57 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

CW-04D

| Date | 10/01/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 60.90 |
| Water Quality Meter | YSI | Gallons in Well | 36.23 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 283.0 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 253 |
| Water Column in | 222.1 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-708-Q319 |
| Did Well Dewater? | No | EB Time | 15:23 |
| Sample Date | 10/01/2019 | MS/MSD Sample ID | |
| Sample Time | 15:08 | MS/MSD Sample Time | |
| Sample ID | CW-04D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/01/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:44 | .2 | 1500 | 29.4 | 7.90 | 8135 | 132.8 | 8.65 | 6 | 61.05 | 4.52 | 5.31 |
| 14:47 | .2 | 3000 | 29.5 | 7.85 | 8154 | 136.5 | 8.58 | 5 | 61.09 | 4.52 | 5.31 |
| 14:50 | .2 | 4500 | 29.5 | 7.81 | 8169 | 135.2 | 8.52 | 5 | 61.09 | 4.52 | 5.31 |
| 14:53 | .2 | 6000 | 29.8 | 7.78 | 8098 | 134.7 | 8.44 | 5 | 61.09 | 4.52 | 5.31 |
| 14:56 | .2 | 7500 | 29.8 | 7.77 | 8092 | 133.8 | 8.42 | 5 | 61.09 | 4.52 | 5.31 |
| 14:59 | .2 | 9000 | 29.8 | 7.76 | 8088 | 134.1 | 8.42 | 5 | 61.09 | 4.52 | 5.31 |
| 15:02 | .2 | 10500 | 29.8 | 7.76 | 8087 | 134.2 | 8.40 | 5 | 61.09 | 4.52 | 5.31 |
| 15:05 | .2 | 12000 | 29.5 | 7.76 | 8068 | 134.1 | 8.37 | 5 | 61.09 | 4.52 | 5.31 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |

79 / 117



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

CW-04M

| Date | 10/01/2019 | _ Sampler | KT |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | _ Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | _ Depth to Water (ft bmp) | 61.15 |
| Water Quality Meter | YSI | _ Gallons in Well | 17.67 |
| Sampling Type | Low Flow – Grundfos RF2 | _ Measured Well Depth (ft bmp) | 169.5 |
| Casing Material | PVC | _ Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 142 |
| Water Column in | 108.35 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/01/2019 | MS/MSD Sample ID | |
| Sample Time | 13:57 | MS/MSD Sample Time | |
| Sample ID | CW-04M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 10/01/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:33 | 0.2 | 1500 | 29.8 | 7.47 | 7979 | 136.9 | 7.78 | 9 | 61.18 | 4.39 | 5.18 |
| 13:36 | 0.2 | 3000 | 29.7 | 7.48 | 7974 | 136.6 | 7.71 | 5 | 61.18 | 4.39 | 5.18 |
| 13:39 | 0.2 | 4500 | 29.8 | 7.50 | 7959 | 135.7 | 7.69 | 4 | 61.8 | 4.39 | 5.18 |
| 13:42 | 0.2 | 6000 | 29.8 | 7.50 | 7961 | 134.7 | 7.60 | 4 | 61.18 | 4.37 | 5.18 |
| 13:45 | 0.2 | 7500 | 29.8 | 7.49 | 7957 | 134.4 | 7.59 | 4 | 61.18 | 4.37 | 5.18 |
| 13:48 | 0.2 | 9000 | 29.8 | 7.51 | 7952 | 134.4 | 7.58 | 3 | 61.18 | 4.37 | 5.18 |
| 13:51 | 0.2 | 10500 | 29.8 | 7.50 | 7953 | 134.2 | 7.55 | 3 | 61.18 | 4.37 | 5.18 |
| 13:54 | 0.2 | 12000 | 29.8 | 7.50 | 7953 | 134.1 | 7.55 | 3 | 61.18 | 4.37 | 5.18 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

OW-01D

| Date | 10/03/2019 | Sampler | Kt |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 92.89 |
| Water Quality Meter | YSI | Gallons in Well | 30.03 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 277.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 267 |
| Water Column in | 184.11 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 09:41 | MS/MSD Sample Time | |
| Sample ID | OW-01D-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-904-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 09:51 | Purge Date | 10/03/2019 |
| Single Filter Turbidity | 0 | - U = | |
| Without Filter | 2 | _ | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:18 | .2 | 1500 | 27.3 | 7.04 | 7932 | -2.9 | 1.60 | 4 | 92.93 | 4.37 | 5.16 |
| 09:21 | .2 | 3000 | 27.6 | 7.07 | 7975 | 4.0 | 1.61 | 3 | 92.93 | 4.40 | 5.18 |
| 09:24 | .2 | 4500 | 28.0 | 7.13 | 8026 | 20.7 | 1.98 | 2 | 92.93 | 4.46 | 5.25 |
| 09:27 | .2 | 6000 | 28.1 | 7.16 | 8114 | 32.5 | 2.49 | 2 | 92.93 | 4.48 | 5.29 |
| 09:30 | .2 | 7500 | 28.2 | 7.18 | 8130 | 37.8 | 2.63 | 2 | 92.93 | 4.48 | 5.29 |
| 09:33 | .2 | 9000 | 28.1 | 7.19 | 8138 | 40.4 | 2.70 | 2 | 92.93 | 4.49 | 5.29 |
| 09:36 | .2 | 10500 | 28.1 | 7.20 | 8142 | 42.7 | 2.74 | 2 | 92.93 | 4.48 | 5.29 |
| 09:39 | .2 | 12000 | 28.2 | 7.21 | 8155 | 44.5 | 2.80 | 2 | 92.93 | 4.51 | 5.30 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | Х | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801





Project Number: RC000753.0801

OW-01M

| Date | 10/03/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 93.18 |
| Water Quality Meter | YSI | Gallons in Well | 14.98 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 185.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 175 |
| Water Column in | 91.82 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 08:48 | MS/MSD Sample Time | |
| Sample ID | OW-01M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:32 | .2 | 1500 | 28.3 | 6.75 | 8347 | 65.6 | 3.85 | 24 | 93.22 | 4.59 | 5.43 |
| 08:35 | .2 | 3000 | 28.5 | 6.76 | 8381 | 65.9 | 3.86 | 14 | 93.22 | 4.57 | 5.42 |
| 08:38 | .2 | 4500 | 28.7 | 6.78 | 8390 | 67.2 | 3.81 | 10 | 93.22 | 4.57 | 5.42 |
| 08:41 | .2 | 6000 | 28.7 | 6.78 | 8388 | 66.8 | 3.92 | 9 | 93.22 | 4.57 | 5.42 |
| 08:43 | .2 | 7500 | 28.7 | 6.77 | 8391 | 67.1 | 3.92 | 9 | 93.22 | 4.57 | 5.42 |
| 08:46 | .2 | 9000 | 28.7 | 6.77 | 8394 | 67.5 | 3.92 | 9 | 93.22 | 4.57 | 5.42 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project | Number |
|---------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

OW-01S

| Date | 10/03/2019 | Sampler | Kt |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 93.26 |
| Water Quality Meter | YSI | Gallons in Well | 3.3 |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | 113.5 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 103.5 |
| Water Column in | 20.24 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 10:36 | MS/MSD Sample Time | |
| Sample ID | OW-01S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:20 | .2 | 1500 | 29.5 | 7.04 | 6259 | 66.9 | 3.70 | 11 | 93.30 | 3.38 | 4.08 |
| 10:23 | .2 | 3000 | 29.3 | 6.93 | 6369 | 68.5 | 3.77 | 6 | 93.33 | 3.41 | 4.16 |
| 10:26 | .2 | 4500 | 29.8 | 6.98 | 6393 | 72.7 | 3.61 | 5 | 93.30 | 3.45 | 4.16 |
| 10:29 | .2 | 6000 | 30.0 | 6.97 | 6404 | 73.2 | 3.59 | 5 | 93.33 | 3.47 | 4.15 |
| 10:32 | .2 | 7500 | 30.0 | 6.97 | 6407 | 73.6 | 3.58 | 5 | 93.33 | 3.47 | 4.15 |
| 10:35 | .2 | 9000 | 30.1 | 6.97 | 6412 | 74.2 | 3.55 | 5 | 93.33 | 3.47 | 4.15 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project | Number |
|----------------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

OW-02D

| Date | 10/03/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.26 |
| Water Quality Meter | YSI | Gallons in Well | 37.31 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 320 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 310 |
| Water Column in | 228.74 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 11:30 | MS/MSD Sample Time | |
| Sample ID | OW-02D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:10 | .2 | 1500 | 27.9 | 7.20 | 7969 | 76.4 | 4.08 | 19 | 91.32 | 4.40 | 5.18 |
| 11:13 | .2 | 3000 | 27.9 | 7.24 | 7982 | 75.1 | 4.11 | 11 | 91.35 | 4.41 | 5.21 |
| 11:16 | .2 | 4500 | 28.1 | 7.24 | 7991 | 74.5 | 4.19 | 8 | 91.35 | 4.42 | 5.21 |
| 11:19 | .2 | 6000 | 28.2 | 7.25 | 7988 | 74.2 | 4.22 | 7 | 91.35 | 4.42 | 5.21 |
| 11:21 | .2 | 7500 | 28.2 | 7.24 | 7993 | 72.9 | 4.22 | 7 | 91.35 | 4.42 | 5.22 |
| 11:24 | .2 | 9000 | 28.1 | 7.25 | 8002 | 72.4 | 4.22 | 7 | 91.35 | 4.42 | 5.22 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

90 / 117



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

OW-02M

| Date | 10/03/2019 | Sampler | Kt |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.20 |
| Water Quality Meter | YSI | Gallons in Well | 19.38 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 210 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 200 |
| Water Column in | 118.8 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 13:40 | MS/MSD Sample Time | |
| Sample ID | OW-02M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:27 | 500 | 1500 | 30.0 | 7.39 | 8057 | 57.3 | 2.60 | 8 | 91.23 | 4.45 | 5.24 |
| 13:30 | 500 | 3000 | 30.0 | 7.41 | 8080 | 59.2 | 2.44 | 5 | 91.25 | 4.45 | 5.25 |
| 13:33 | 500 | 4500 | 30.2 | 7.42 | 8083 | 59.6 | 2.40 | 5 | 91.25 | 4.44 | 5.25 |
| 13:36 | 500 | 6000 | 30.1 | 7.42 | 8100 | 60.4 | 2.43 | 5 | 91.25 | 4.45 | 5.25 |
| 13:39 | 500 | 7500 | 30.3 | 7.44 | 8121 | 62.8 | 2.46 | 5 | 91.25 | 4.46 | 5.25 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

OW-02S

| Date | 10/03/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.99 |
| Water Quality Meter | YSI | Gallons in Well | 1.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 101.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 96 |
| Water Column in | 9.01 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 12:25 | MS/MSD Sample Time | |
| Sample ID | OW-02S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:03 | .2 | 1500 | 31.3 | 7.69 | 3877 | 80.4 | 3.88 | 8 | 92.05 | 2.03 | 2.52 |
| 12:06 | .2 | 3000 | 31.3 | 7.69 | 3885 | 80.1 | 3.84 | 4 | 92.05 | 2.04 | 2.52 |
| 12:09 | .2 | 4500 | 31.3 | 7.68 | 3883 | 79.5 | 3.82 | 3 | 92.05 | 2.04 | 2.52 |
| 12:12 | .2 | 6000 | 31.2 | 7.67 | 3881 | 79.4 | 3.83 | 3 | 92.05 | 2.04 | 2.52 |
| 12:15 | .2 | 7500 | 31.2 | 7.67 | 3877 | 79.1 | 3.80 | 3 | 92.05 | 2.04 | 2.52 |
| 12:18 | .2 | 9000 | 31.2 | 7.67 | 3879 | 79.2 | 3.80 | 3 | 92.05 | 2.04 | 2.52 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

OW-05D

| Date | 10/03/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 94.16 |
| Water Quality Meter | YSI | Gallons in Well | 36.84 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 320.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 310 |
| Water Column in | 225.84 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 13:36 | MS/MSD Sample Time | |
| Sample ID | OW-05D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|------------------------------------|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:11 | min) 500 | 2000 | 30.0 | 7.69 | 7340 | 70.1 | 8.09 | 3 | 94.20 | 4.03 | 4.77 |
| 13:15 | 500 | 4000 | 30.1 | 7.72 | 7154 | 69.1 | 8.60 | 2 | 94.20 | 3.96 | 4.77 |
| 13:19 | 500 | 6000 | 30.2 | 7.73 | 7493 | 69.7 | 8.69 | 2 | 94.20 | 4.11 | 4.77 |
| 13:23 | 500 | 8000 | 30.2 | 7.74 | 7475 | 69.9 | 8.31 | 1 | 94.20 | 4.09 | 4.80 |
| 13:27 | 500 | 10000 | 30.2 | 7.74 | 7490 | 70.1 | 8.39 | 1 | 94.20 | 4.09 | 4.81 |
| 13:31 | 500 | 12000 | 30.2 | 7.74 | 7496 | 70.6 | 8.43 | 1 | 94.20 | 4.09 | 4.81 |
| 13:35 | 500 | 14000 | 30.2 | 7.74 | 7489 | 70.8 | 8.41 | 1 | 94.20 | 4.09 | 4.81 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

OW-05S

| Date | 10/03/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 94.62 |
| Water Quality Meter | YSI | Gallons in Well | 2.51 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 110.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 102 |
| Water Column in | 15.38 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-710-Q319 |
| Did Well Dewater? | No | EB Time | 14:47 |
| Sample Date | 10/03/2019 | MS/MSD Sample ID | |
| Sample Time | 14:33 | MS/MSD Sample Time | |
| Sample ID | OW-05S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|------------------------------------|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 4440 | min) | 4500 | 00.4 | 7.00 | 0.405 | 20.7 | 0.40 | | 0.4.00 | 0.40 | 4.40 |
| 14:16 | 500 | 1500 | 29.1 | 7.28 | 6425 | 63.7 | 3.10 | 3 | 94.68 | 3.48 | 4.16 |
| 14:19 | 500 | 3000 | 30.0 | 7.30 | 6297 | 60.7 | 2.74 | 2 | 94.69 | 3.40 | 4.05 |
| 14:22 | 500 | 4500 | 30.2 | 7.30 | 6080 | 60.3 | 2.72 | 2 | 94.69 | 3.32 | 3.90 |
| 14:25 | 500 | 6000 | 30.3 | 7.31 | 6098 | 60.8 | 2.74 | 2 | 94.69 | 3.31 | 3.86 |
| 14:28 | 500 | 7500 | 30.3 | 7.31 | 6072 | 61.4 | 2.74 | 2 | 94.69 | 3.30 | 3.84 |
| 14:31 | 500 | 9000 | 30.3 | 7.31 | 6066 | 62.3 | 2.75 | 2 | 94.69 | 3.29 | 3.83 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

98 / 117



| Project | Number |
|---------|----------|
| RC0007 | 753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





10/02/2019

Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA

Sampler

Project Number: RC000753.0801

Date

| | | | | | C | olor | | | | | |
|------------|-------------------------|--------------------|----------|----|------------------------|--------------|---------------|--------------------|------------|-------------------|-----------|
| | | | | | C | asing Volun | ne to Remo | ve _ | | | |
| | | | | | D | epth to Wat | er (ft bmp) | _ | | | |
| | | | | | G | allons in W | ell | _ | | | |
| | | | | | M | leasured W | ell Depth (ft | bmp) _ | | | |
| | | | | | С |)dor | | _ | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) _ | | | |
| | | | | | Т | otal Volume | to Remove | | | | |
| | | | | | Е | B Sample II | D | _ | | | |
| | | | | | E | B Time | | _ | | | |
| | | | | | N | 1S/MSD Sar | mple ID | _ | | | |
| | | | | | N | 1S/MSD Sar | mple Time | _ | | | |
| | | | | | D | ouble Filter | Turbidity | _ | | | |
| | | | | | Р | ost Samplin | g Turbidity | _ | | | |
| | | | | | Р | urge Date | | 1 | 10/02/2019 | | |
| | | | | | | | | | | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |

Well Integrity Checklist

or gal/ min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

| Date | 1 | 10/04/2019 | | | S | ampler | | | | | |
|------------|-------------------------|--------------------|----------|-------------------------|------------------------|--------------|---------------|--------------------|------------|-------------------|-----------|
| | | | | | C | Color | | | | | |
| | | | | Casing Volume to Remove | | | | | | | |
| | | | | | D | epth to Wat | | | | | |
| | | | | | G | allons in W | | | | | |
| | | | | | N | leasured W | ell Depth (ft | bmp) | | | |
| | | | | | С |)dor | | | | | |
| | | | | | Р | ump Intake | np) | | | | |
| | | | | | Total Volume to Remove | | | | | | |
| | | | | | EB Sample ID | | | | | | |
| | | | | | Е | B Time | | | | | |
| | | | | MS/MSD Sample ID | | | | | | | |
| | | | | | MS/MSD Sample Time | | | | | | |
| | | | | | D | ouble Filter | Turbidity | | | | |
| | | | | | Р | ost Samplin | g Turbidity | | | | |
| | | | | | Р | urge Date | | - | 10/04/2019 | | |
| | | | | | | | | | | | |
| Field Para | neters | | | | | | | | | | |
| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |

Well Integrity Checklist

or gal/ min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

MW-34-100

| Date | 10/01/2019 | _ Sampler | KT |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | _ Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 6.29 |
| Water Quality Meter | YSI | _ Gallons in Well | 15.2 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 99.5 |
| Casing Material | PVC | _ Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 94.5 |
| Water Column in | 93.21 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/01/2019 | MS/MSD Sample ID | |
| Sample Time | 09:54 | MS/MSD Sample Time | |
| Sample ID | MW-34-100-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 10/01/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:34 | .2 | 1500 | 19.9 | 7.24 | 1886 | 107.4 | 1.63 | 11 | 6.36 | 2.99 | 3.58 |
| 09:37 | .2 | 3000 | 20.1 | 7.26 | 1899 | 104.3 | 1.60 | 8 | 6.38 | 2.99 | 3.58 |
| 09:40 | .2 | 4500 | 20.0 | 7.26 | 1889 | 103.5 | 1.55 | 7 | 6.38 | 2.99 | 3.58 |
| 09:43 | .2 | 6000 | 20.1 | 7.27 | 1893 | 102.9 | 1.49 | 7 | 6.38 | 2.99 | 3.58 |
| 09:46 | .2 | 7500 | 20.1 | 7.27 | 1892 | 102.4 | 1.50 | 7 | 6.38 | 2.99 | 3.58 |
| 09:49 | .2 | 9000 | 20.0 | 7.27 | 1886 | 101.9 | 1.51 | 7 | 6.38 | 2.99 | 3.58 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-44-115

| Date | 10/01/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 17.97 |
| Water Quality Meter | YSI | Gallons in Well | 15.83 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 115.0 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 110 |
| Water Column in | 97.03 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/01/2019 | MS/MSD Sample ID | |
| Sample Time | 10:59 | MS/MSD Sample Time | |
| Sample ID | MW-44-115-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 10/01/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:40 | .2 | 1500 | 23.4 | 7.77 | 11548 | 153.0 | 0.78 | 14 | 18.01 | 6.70 | 7.62 |
| 10:43 | .2 | 3000 | 23.3 | 7.73 | 11736 | 148.3 | 0.54 | 9 | 18.01 | 6.70 | 7.62 |
| 10:46 | .2 | 4500 | 23.2 | 7.70 | 11739 | 145.3 | 0.52 | 5 | 18.01 | 6.70 | 7.62 |
| 10:49 | .2 | 6000 | 23.2 | 7.69 | 11745 | 141.4 | 0.43 | 4 | 18.01 | 6.70 | 7.62 |
| 10:52 | .2 | 7500 | 23.3 | 7.68 | 11752 | 139.0 | 0.39 | 4 | 18.01 | 6.70 | 7.62 |
| 10:55 | .2 | 9000 | 23.3 | 7.68 | 11759 | 136.7 | 0.39 | 4 | 18.01 | 6.70 | 7.62 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

104 / 117



| Project | Number |
|----------------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-46-175

| Date | 10/01/2019 | Sampler | KT |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | _ Casing Volume to Remove | |
| Purge Volume Units | MI | _ Depth to Water (ft bmp) | 28.13 |
| Water Quality Meter | YSI | Gallons in Well | 23.96 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 175.0 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | _ Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 146.87 | _ Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/01/2019 | MS/MSD Sample ID | |
| Sample Time | 11:46 | MS/MSD Sample Time | |
| Sample ID | MW-46-175-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 10/01/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:27 | .2 | 1500 | 24.4 | 7.89 | 19378 | 133.0 | 1.24 | 7 | 28.28 | 11.5 | 12.5 |
| 11:30 | .2 | 3000 | 24.0 | 7.92 | 19300 | 127.5 | 1.14 | 7 | 28.32 | 11.5 | 12.5 |
| 11:33 | .5 | 4500 | 23.8 | 7.94 | 19289 | 124.6 | 1.08 | 5 | 28.29 | 11.5 | 12.5 |
| 11:36 | .2 | 6000 | 23.8 | 7.93 | 19287 | 121.8 | 1.05 | 5 | 28.32 | 11.5 | 12.5 |
| 11:39 | .2 | 7500 | 23.7 | 7.94 | 19281 | 119.8 | 1.05 | 5 | 28.32 | 11.5 | 12.5 |
| 11:42 | .2 | 9000 | 23.7 | 7.94 | 19278 | 118.5 | 1.04 | 5 | 28.32 | 11.5 | 12.5 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

106 / 117



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-62-065

| Date | 10/01/2019 | Sampler | KT |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 47.72 |
| Water Quality Meter | YSI | Gallons in Well | 2.74 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 64.5 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 54.5 |
| Water Column in | 16.78 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 10/01/2019 | MS/MSD Sample ID | |
| Sample Time | 08:26 | MS/MSD Sample Time | |
| Sample ID | MW-62-065-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 0 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 10/01/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:02 | .2 | 500 | 29.1 | 7.21 | 6719 | 200.9 | 4.01 | 7 | 47.81 | 3.63 | 4.38 |
| 08:05 | .2 | 1500 | 29.4 | 7.23 | 6713 | 201.1 | 3.97 | 4 | 47.82 | 3.65 | 4.36 |
| 08:08 | .2 | 3000 | 29.6 | 7.23 | 6736 | 201.3 | 3.99 | 3 | 47.82 | 3.65 | 4.36 |
| 08:11 | .2 | 4500 | 29.7 | 7.23 | 6730 | 201.4 | 4.02 | 3 | 47.82 | 3.65 | 4.36 |
| 08:14 | .2 | 6000 | 29.8 | 7.25 | 6740 | 201.5 | 4.08 | 3 | 47.82 | 4.02 | 4.36 |
| 08:17 | .2 | 7500 | 29.6 | 7.25 | 6738 | 200.9 | 4.05 | 3 | 47.82 | 4.05 | 4.36 |
| 08:20 | .2 | 9000 | 29.7 | 7.25 | 6733 | 200.4 | 4.04 | 3 | 47.82 | 4.05 | 4.36 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |

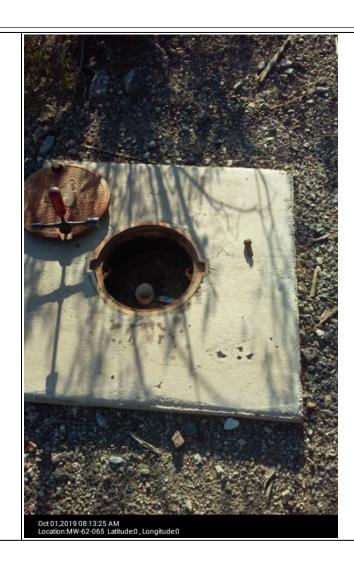


Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

Photos and Drawings

Feb 4, 2020, 4:37 PM





Project Number: RC000753.0801

PE-01

| Date | 10/03/2019 | Sampler | Nara Tep |
|-------------------------|-----------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Extraction port | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 10/03/2019 | Total Volume to Remove | |
| Sample Time | 08:55 | EB Sample ID | |
| Sample ID | PE-01-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 10/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:54 | 1 | 5 | 20.9 | 7.68 | 3681 | 30.6 | 1.04 | 2 | | 1.94 | 2.39 |

Well Integrity Checklist

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801





Project Number: RC000753.0801

TW-02D

| Date | 10/03/2019 | Sampler | Nara Tep |
|---------------------|-----------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Extraction port | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 10/03/2019 |

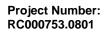
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:04 | 1 | 5 | 26.6 | 7.50 | 5763 | 46.0 | 2.47 | 3 | | 3.11 | 3.75 |

Well Integrity Checklist

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |









Project Number: RC000753.0801

TW-03D

| Date | 10/03/2019 | Sampler | Nara Tep |
|-------------------------|-----------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Extraction port | Measured Well Depth (ft bmp) | |
| Did Well Dewater? | No | Odor | None |
| Sample Date | 10/03/2019 | Pump Intake Depth (ft bmp) | |
| Sample Time | 08:40 | Total Volume to Remove | |
| Sample ID | TW-03D-Q419 | EB Sample ID | |
| Single Filter Turbidity | 1 | EB Time | |
| Without Filter | 3 | MS/MSD Sample ID | |
| Turbidity | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 10/03/2019 |

Field Parameters

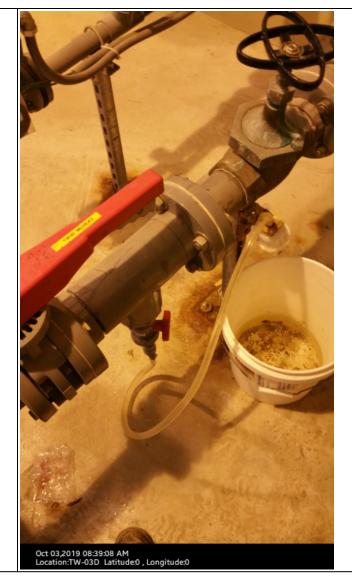
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:39 | 1 | 5 | 25.0 | 7.76 | 7235 | 61.6 | 1.97 | 3 | | 3.98 | 4.70 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | | Х | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | X | | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

| _ | _ | | _ | _ |
|---|---|-----|---|---|
| | о | B I | c | |
| | ь | N | - | |
| | | | | |

| Date | <u>1</u> | 0/02/2019 | | | | | | _ | | | |
|------------|-------------------------|--------------------|----------|----|---|--------------|---------------|-------|-----------|-------------------|-----------|
| | | | | | | | | | | | |
| | | | | | С | asing Volun | ne to Remo | ve _ | | | |
| | | | | | D | epth to Wat | er (ft bmp) | _ | | | |
| | | | | | G | allons in W | ell | _ | | | |
| | | | | | M | leasured W | ell Depth (ft | bmp) | | | |
| | | | | | O | dor | | | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) _ | | | |
| | | | | | Т | otal Volume | to Remove | _ | | | |
| | | | | | Е | B Sample II |) | _ | | | |
| | | | | | Е | B Time | | _ | | | |
| | | | | | N | IS/MSD Sar | mple ID | _ | | | |
| | | | | | N | IS/MSD Sar | nple Time | | | | |
| | | | | | D | ouble Filter | Turbidity | | | | |
| | | | | | | | g Turbidity | _ | | | |
| | | | | | | | | 1 | 0/02/2019 | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | | ORP (mV) | DO (mg/L) | | DTW (ft) | Salinity (ppt) | TDS (g/L) |

Well Integrity Checklist

or gal/ min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

| Date | <u>1</u> | 0/02/2019 | | | | | | _ | | | |
|------------|-------------------------|--------------------|----------|----|---|--------------|---------------|-------|-----------|-------------------|-----------|
| | | | | | | | | | | | |
| | | | | | С | asing Volun | ne to Remo | ve _ | | | |
| | | | | | D | epth to Wat | er (ft bmp) | _ | | | |
| | | | | | G | allons in W | ell | _ | | | |
| | | | | | M | leasured W | ell Depth (ft | bmp) | | | |
| | | | | | O | dor | | | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) _ | | | |
| | | | | | Т | otal Volume | to Remove | _ | | | |
| | | | | | Е | B Sample II |) | _ | | | |
| | | | | | Е | B Time | | _ | | | |
| | | | | | N | IS/MSD Sar | mple ID | _ | | | |
| | | | | | N | IS/MSD Sar | nple Time | | | | |
| | | | | | D | ouble Filter | Turbidity | | | | |
| | | | | | | | g Turbidity | _ | | | |
| | | | | | | | | 1 | 0/02/2019 | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | | ORP (mV) | DO (mg/L) | | DTW (ft) | Salinity (ppt) | TDS (g/L) |

Well Integrity Checklist

or gal/ min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

MW-83-180

| Date | 11/22/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 74.70 |
| Water Quality Meter | YSI | Gallons in Well | 17.52 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 182.13 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 107.43 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-791-Q419 |
| Did Well Dewater? | No | EB Time | 10:15 |
| Sample Date | 11/22/2019 | MS/MSD Sample ID | |
| Sample Time | 09:56 | MS/MSD Sample Time | |
| Sample ID | MW-L-180-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 11/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:35 | 500 | 2000 | 26.5 | 7.65 | 11056 | -102.9 | 1.63 | 13 | 75.66 | 6.25 | 7.44 |
| 09:39 | 500 | 4000 | 27.7 | 7.78 | 12039 | -80.9 | 1.56 | 9 | 75.66 | 6.98 | 7.88 |
| 09:43 | 500 | 6000 | 28.1 | 7.82 | 12151 | -59.1 | 1.20 | 9 | 75.66 | 6.69 | 7.91 |
| 09:47 | 500 | 8000 | 29.2 | 7.83 | 12226 | -30.8 | 0.70 | 7 | 75.66 | 6.96 | 7.94 |
| 09:51 | 500 | 10000 | 29.4 | 7.83 | 12123 | -23.1 | 0.74 | 7 | 75.66 | 6.96 | 7.91 |
| 09:55 | 500 | 12000 | 29.5 | 7.84 | 12192 | -17.4 | 0.71 | 6 | 75.66 | 6.96 | 7.94 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Χ | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Photos and Drawin | as |
|-------------------|----|
|-------------------|----|



Project Number: RC000753.0801

MW-75-117

| Date | 11/18/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 19.36 |
| Water Quality Meter | YSI | Gallons in Well | 16.11 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 118.11 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 100 |
| Water Column in | 98.75 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-786-Q419 |
| Did Well Dewater? | No | EB Time | 16:00 |
| Sample Date | 11/18/2019 | MS/MSD Sample ID | |
| Sample Time | 15:30 | MS/MSD Sample Time | |
| Sample ID | MW-B-117-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 11/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:14 | 500 | 2000 | 27.1 | 7.72 | 13087 | -84.6 | 0.45 | 14 | 19.48 | 7.49 | 8.50 |
| 15:18 | 500 | 4000 | 27.2 | 7.70 | 13572 | -82.6 | 0.33 | 8 | 19.50 | 7.86 | 8.89 |
| 15:22 | 500 | 6000 | 27.2 | 7.68 | 13688 | -82.8 | 0.30 | 9 | 19.40 | 7.89 | 9.05 |
| 15:26 | 500 | 8000 | 27.1 | 7.68 | 13712 | -81.4 | 0.27 | 9 | 19.50 | 7.90 | 8.86 |
| 15:30 | 500 | 10000 | 27.1 | 7.68 | 13788 | -79.9 | 0.25 | 8 | 19.50 | 8.08 | 9.12 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |

3 / 92



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| ь. | | | D . | |
|----|-------|-----|------------|-----|
| Рn | เดโดร | and | Drawing | IS. |



Project Number: RC000753.0801

MW-75-033

| 11/19/2019 | _ Sampler | Garrett graves |
|-------------------------|--|---|
| Cloudy | _ Color | Clear |
| Low Flow | Casing Volume to Remove | |
| ml | Depth to Water (ft bmp) | 19.10 |
| YSI | Gallons in Well | 2.56 |
| Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 34.80 |
| PVC | _ Odor | none |
| 2 | Pump Intake Depth (ft bmp) | 30 |
| 15.70 | Total Volume to Remove | |
| | EB Sample ID | |
| No | EB Time | |
| 11/19/2019 | MS/MSD Sample ID | |
| 13:02 | | |
| MW-B-33-Q419 | · | |
| MW-926-4Q19 | • | |
| 13:12 | | 11/19/2019 |
| 3 | _ | |
| 15 | _ | |
| | Cloudy Low Flow ml YSI Low Flow – Grundfos RF2 PVC 2 15.70 No 11/19/2019 13:02 MW-B-33-Q419 MW-926-4Q19 13:12 3 | Cloudy Low Flow Casing Volume to Remove MI Depth to Water (ft bmp) Gallons in Well Low Flow – Grundfos RF2 Measured Well Depth (ft bmp) PVC Odor Pump Intake Depth (ft bmp) Total Volume to Remove EB Sample ID EB Time MS/MSD Sample ID MS/MSD Sample Time MW-B-33-Q419 MW-926-4Q19 Double Filter Turbidity MW-926-4Q19 Multiple Color Measured Well Depth (ft bmp) Total Volume to Remove EB Sample ID MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity Purge Date |

Field Parameters

Turbidity

| r rora r ara | | | | | | | | | | | |
|--------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 12:49 | 500 | 2000 | 27.4 | 7.67 | 4452 | 196.6 | 1.80 | 1000 | 19.36 | 2.35 | 2.87 |
| 12:52 | 500 | 4000 | 27.4 | 7.66 | 4439 | 193.1 | 1.61 | 21 | 19.36 | 2.37 | 2.91 |
| 12:55 | 500 | 6000 | 27.4 | 7.65 | 4445 | 188.7 | 1.57 | 17 | 19.36 | 2.35 | 2.87 |
| 12:58 | 500 | 8000 | 27.4 | 7.64 | 4420 | 182.2 | 1.54 | 19 | 19.36 | 2.36 | 2.87 |
| 13:01 | 500 | 10000 | 27.4 | 7.61 | 4438 | 177.5 | 1.51 | 15 | 19.36 | 2.35 | 2.88 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |

5 / 92



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |
| Required Actions | | | | |
| Action Completed? | Х | | | |
| Action Completed Date | | | | |



Project Number: RC000753.0801

MW-84-057

| Date | 11/19/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 45.20 |
| Water Quality Meter | YSI | Gallons in Well | 2.27 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 59.12 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 52 |
| Water Column in | 13.92 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-787-Q419 |
| Did Well Dewater? | No | EB Time | 16:00 |
| Sample Date | 11/19/2019 | MS/MSD Sample ID | |
| Sample Time | 15:42 | MS/MSD Sample Time | |
| Sample ID | MW-M-57-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 16 | Purge Date | 11/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|-------------------------|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | or gal/ min) | | | | | | | | | | |
| 15:20 | 500 | 2000 | 29.8 | 7.82 | 1940 | 154.4 | 6.73 | 55 | 42.88 | 0.98 | 1.29 |
| 15:24 | 500 | 4000 | 29.9 | 7.80 | 1938 | 158.4 | 6.71 | 41 | 42.88 | 0.98 | 1.26 |
| 15:28 | 500 | 6000 | 29.9 | 7.79 | 1937 | 161.2 | 6.39 | 22 | 42.88 | 0.98 | 1.26 |
| 15:32 | 500 | 8000 | 29.9 | 7.79 | 1938 | 163.3 | 6.63 | 18 | 42.88 | 0.98 | 1.26 |
| 15:36 | 500 | 10000 | 29.9 | 7.79 | 1940 | 166.8 | 6.33 | 16 | 42.88 | 0.98 | 1.27 |
| 15:40 | 500 | 12000 | 29.8 | 7.78 | 1944 | 170.3 | 6.60 | 16 | 42.88 | 0.98 | 1.27 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Photo Taken? | | | X | |
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |



Project Number: RC000753.0801

MW-84-095

| Date | 11/19/2019 | Sampler | Garrett graves |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 45.08 |
| Water Quality Meter | YSI | Gallons in Well | 8.46 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 96.97 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 90 |
| Water Column in | 51.89 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/19/2019 | MS/MSD Sample ID | |
| Sample Time | 14:57 | MS/MSD Sample Time | |
| Sample ID | MW-M-95-Q419 | Double Filter Turbidity | 1 |
| Duplicate Sample ID | MW-928-4Q19 | Post Sampling Turbidity | |
| Dup Sample Time | 15:07 | Purge Date | 11/19/2019 |
| Single Filter Turbidity | 8 | | |
| Without Filter | 28 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:35 | 500 | 2000 | 29.8 | 7.51 | 6057 | 193.8 | 0.71 | 1000 | 45.34 | 3.23 | 3.89 |
| 14:39 | 500 | 4000 | 29.9 | 7.51 | 6035 | 180.1 | 0.45 | 183 | 45.38 | 3.25 | 3.93 |
| 14:43 | 500 | 6000 | 29.9 | 7.51 | 6060 | 151.0 | 0.44 | 45 | 45.38 | 3.26 | 3.92 |
| 14:47 | 500 | 8000 | 29.9 | 7.51 | 6027 | 143.9 | 0.41 | 38 | 45.38 | 3.26 | 3.93 |
| 14:51 | 500 | 10000 | 29.9 | 7.51 | 6035 | 141.0 | 0.38 | 31 | 45.38 | 3.24 | 3.94 |
| 14:55 | 500 | 12000 | 29.9 | 7.50 | 6031 | 138.6 | 0.33 | 28 | 45.38 | 3.29 | 4.00 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |

9 / 92



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

Photos and Drawings



Project Number: RC000753.0801

MW-84-132

| Date | 11/22/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|---------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 45.95 |
| Water Quality Meter | YSI | Gallons in Well | 14.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 134.66 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 122 |
| Water Column in | 88.71 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/22/2019 | MS/MSD Sample ID | MW-M-132-1119 MSMSD |
| Sample Time | 08:48 | MS/MSD Sample Time | 08:48 |
| Sample ID | MW-M-132-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 11/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:27 | 500 | 2000 | 29.0 | 7.46 | 7811 | 157.8 | 0.62 | 14 | 46.43 | 4.35 | 5.15 |
| 08:31 | 500 | 4000 | 29.2 | 7.54 | 9169 | 90.1 | 0.51 | 8 | 46.43 | 5.23 | 6.16 |
| 08:35 | 500 | 6000 | 29.5 | 7.64 | 9709 | -20.8 | 0.43 | 6 | 46.43 | 5.41 | 6.29 |
| 08:39 | 500 | 8000 | 29.5 | 7.65 | 9574 | -50.9 | 0.48 | 6 | 46.43 | 5.31 | 6.22 |
| 08:43 | 500 | 10000 | 29.5 | 7.63 | 9599 | -56.6 | 0.36 | 6 | 46.43 | 5.32 | 6.20 |
| 08:47 | 500 | 12000 | 29.5 | 7.65 | 9536 | -62.4 | 0.49 | 6 | 46.43 | 5.32 | 6.14 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Photos | and | Drawings |
|----------|-----|-----------------|
| 1 110103 | ana | Diawings |



Project Number: RC000753.0801

MW-84-193

| Date | 11/22/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 45.80 |
| Water Quality Meter | YSI | Gallons in Well | 24.15 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 193.88 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 183 |
| Water Column in | 148.08 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/22/2019 | MS/MSD Sample ID | |
| Sample Time | 08:00 | MS/MSD Sample Time | |
| Sample ID | MW-M-193-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 11/22/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:42 | 500 | 2000 | 28.3 | 7.48 | 13210 | 76.5 | 0.94 | 27 | 46.23 | 7.65 | 8.70 |
| 07:46 | 500 | 4000 | 29.2 | 7.69 | 13482 | 93.3 | 0.83 | 15 | 46.23 | 7.74 | 8.79 |
| 07:50 | 500 | 6000 | 29.3 | 7.79 | 13668 | 97.8 | 0.80 | 12 | 46.23 | 7.84 | 8.72 |
| 07:54 | 500 | 8000 | 29.3 | 7.83 | 13613 | 100.0 | 0.73 | 9 | 46.23 | 7.78 | 8.81 |
| 07:58 | 500 | 10000 | 29.3 | 7.88 | 13533 | 102.2 | 0.77 | 9 | 46.23 | 7.84 | 8.78 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Required Actions | | | | |

13 / 92



| Item | Ye | 'es | No | NA | Notes |
|-----------------------|---------------------------------------|-----|----|----|-------|
| Action Completed? | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Х | | | |
| Action Completed Date | | | | | |

| Ph | otos | and | Drawings |
|----|-------|-----|----------|
| | 10103 | and | Diawings |



Project Number: RC000753.0801

MW-87-192

| Date | 11/20/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 91.41 |
| Water Quality Meter | YSI | Gallons in Well | 16.59 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 193.15 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 180 |
| Water Column in | 101.74 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-788-Q419 |
| Did Well Dewater? | No | EB Time | 15:30 |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 14:48 | MS/MSD Sample Time | |
| Sample ID | MW-R-192-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:30 | 500 | 2000 | 30.0 | 7.81 | 9778 | -76.0 | 0.65 | 18 | 92.48 | 5.44 | 6.33 |
| 14:34 | 500 | 4000 | 30.1 | 7.80 | 9738 | -72.1 | 0.53 | 15 | 92.48 | 5.42 | 6.32 |
| 14:38 | 500 | 6000 | 30.1 | 7.81 | 9662 | -63.8 | 0.56 | 12 | 92.48 | 5.38 | 6.27 |
| 14:42 | 500 | 8000 | 30.3 | 7.80 | 9648 | -59.3 | 0.51 | 9 | 92.48 | 5.38 | 6.26 |
| 14:46 | 500 | 10000 | 30.3 | 7.81 | 9614 | -58.8 | 0.57 | 9 | 92.48 | 5.35 | 6.24 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

15 / 92



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | Х | | | |
| Action Completed Date | | | | |

| D. (| | . |
|-------------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-87-275

| Date | 11/20/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 91.24 |
| Water Quality Meter | YSI | Gallons in Well | 30.17 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 276.20 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 260 |
| Water Column in | 184.96 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 13:58 | MS/MSD Sample Time | |
| Sample ID | MW-R-275-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:40 | 500 | 2000 | 30.4 | 7.97 | 11681 | 73.8 | 0.86 | 17 | 91.33 | 6.61 | 7.55 |
| 13:44 | 500 | 4000 | 30.4 | 7.95 | 11710 | 70.3 | 00.79 | 10 | 91.33 | 6.63 | 7.60 |
| 13:48 | 500 | 6000 | 30.3 | 7.93 | 11725 | 67.9 | 0.74 | 6 | 91.33 | 6.63 | 7.63 |
| 13:52 | 500 | 8000 | 30.4 | 7.92 | 11724 | 64.4 | 0.83 | 5 | 91.33 | 6.64 | 7.63 |
| 13:56 | 500 | 10000 | 30.4 | 7.90 | 11778 | 61.2 | 0.78 | 4 | 91.33 | 6.65 | 7.63 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Required Actions | | | | |

17 / 92



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Photos and Drawings |
|---------------------|
|---------------------|



Project Number: RC000753.0801

MW-87-109

| Date | 11/20/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.16 |
| Water Quality Meter | YSI | Gallons in Well | 3.24 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 111.01 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 102 |
| Water Column in | 19.85 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 13:50 | MS/MSD Sample Time | |
| Sample ID | MW-R-109-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:33 | 300 | 1200 | 24.7 | 7.71 | 2313 | 37.6 | 5.31 | 26 | 91.20 | 1.19 | 1.50 |
| 13:37 | 300 | 2400 | 24.9 | 7.75 | 2329 | 40.9 | 5.39 | 15 | 91.20 | 1.19 | 1.50 |
| 13:41 | 300 | 3600 | 24.9 | 7.76 | 2323 | 42.6 | 5.42 | 10 | 91.20 | 1.19 | 1.50 |
| 13:45 | 300 | 4800 | 24.9 | 7.76 | 2325 | 43.9 | 5.43 | 9 | 91.20 | 1.19 | 1.50 |
| 13:49 | 300 | 6000 | 24.9 | 7.76 | 2326 | 44.6 | 5.46 | 9 | 91.20 | 1.19 | 1.50 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings





Project Number: RC000753.0801

MW-87-139

| Date | 11/20/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|---|-------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.18 |
| Water Quality Meter | YSI | _ Gallons in Well | 8.15 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 141.16 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 134 |
| Water Column in | 49.98 | _ Total Volume to Remove | |
| Well | | EB Sample ID | EB-789-Q419 |
| Did Well Dewater? | No | - EB Time | 15:30 |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 14:48 | MS/MSD Sample Time | |
| Sample ID | MW-R-139-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:19 | 100 | 400 | 23.6 | 7.47 | 7303 | 86.9 | 1.73 | 39 | 91.22 | 4.04 | 4.75 |
| 14:23 | 100 | 800 | 23.7 | 7.46 | 7309 | 89.1 | 1.46 | 29 | 91.22 | 4.04 | 4.75 |
| 14:27 | 100 | 1200 | 23.7 | 7.49 | 7295 | 88.7 | 1.42 | 23 | 91.22 | 4.04 | 4.75 |
| 14:31 | 100 | 1600 | 23.7 | 7.50 | 7293 | 87.6 | 1.41 | 15 | 91.22 | 4.04 | 4.75 |
| 14:35 | 100 | 2000 | 23.7 | 7.50 | 7292 | 86.6 | 1.45 | 12 | 91.22 | 4.04 | 4.75 |
| 14:39 | 100 | 2400 | 23.8 | 7.50 | 7290 | 85.6 | 1.46 | 10 | 91.22 | 4.04 | 4.75 |
| 14:43 | 100 | 2800 | 23.8 | 7.51 | 7289 | 85.5 | 1.48 | 9 | 91.22 | 4.04 | 4.75 |
| 14:47 | 100 | 3200 | 23.8 | 7.51 | 7288 | 85.3 | 1.48 | 9 | 91.22 | 4.04 | 4.75 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |

21 / 92



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

Photos and Drawings





Project Number: RC000753.0801

MW-76-218

| Date | 11/21/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 28.00 |
| Water Quality Meter | YSI | Gallons in Well | 31.27 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 219.69 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 213 |
| Water Column in | 191.69 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | |
| Sample Time | 12:40 | MS/MSD Sample Time | |
| Sample ID | MW-C-218-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 10 | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|-------------------------|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | or gal/ min) | | | | | | | | | | |
| 12:19 | 500 | 2000 | 27.1 | 8.95 | 18079 | -41.2 | 1.05 | 27 | 28.28 | 10.65 | 11.75 |
| 12:23 | 500 | 4000 | 27.7 | 8.78 | 18085 | -100.3 | 1.12 | 22 | 28.28 | 10.65 | 11.73 |
| 12:27 | 500 | 6000 | 27.2 | 8.69 | 18253 | -150.17) | 0.45 | 18 | 28.28 | 10.86 | 12.00 |
| 12:31 | 500 | 8000 | 27.3 | 8.63 | 21311 | -146.8 | 0.30 | 16 | 28.28 | 13.06 | 14.222 |
| 12:35 | 500 | 10000 | 27.1 | 8.58 | 21366 | -149.5 | 0.37 | 10 | 28.28 | 14.00 | 15.00 |
| 12:39 | 500 | 12000 | 27.3 | 8.53 | 22000 | -153.7 | 0.38 | 10 | 28.28 | 14.00 | 15.09 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | Х | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | Х | | | |
| Action Completed Date | | | | |

| DI (| | ь . |
|--------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-76-181

| Date | 11/21/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|---------------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 27.85 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 182.71 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 176 |
| Water Column in | 154.86 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | MW-C-181-1119-MSMSD |
| Sample Time | 13:28 | MS/MSD Sample Time | 13:28 |
| Sample ID | MW-C-181-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 12 | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:10 | 500 | 2000 | 26.9 | 7.89 | 19118 | 54.6 | 0.82 | 30 | 29.22 | 11.39 | 12.49 |
| 13:14 | 500 | 4000 | 26.9 | 7.84 | 19537 | 53.0 | 0.71 | 23 | 29.22 | 11.69 | 12.83 |
| 13:18 | 500 | 6000 | 27.1 | 7.83 | 20493 | 47.6 | 0.68 | 13 | 29.22 | 12.21 | 13.33 |
| 13:22 | 500 | 8000 | 27.3 | 7.81 | 20626 | 44.8 | 0.60 | 12 | 29.22 | 12.27 | 13.42 |
| 13:26 | 500 | 10000 | 27.7 | 7.80 | 20712 | 40.2 | 0.55 | 12 | 29.22 | 12.18 | 13.45 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| ь. | | | D . | |
|----|-------|-----|------------|-----|
| Рn | เดโดร | and | Drawing | IS. |



Project Number: RC000753.0801

MW-76-156

| Date | 11/21/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 27.80 |
| Water Quality Meter | YSI | Gallons in Well | 20.87 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 155.76 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 151 |
| Water Column in | 127.96 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | |
| Sample Time | 14:26 | MS/MSD Sample Time | |
| Sample ID | MW-C-156-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 02:09 | 500 | 4000 | 27.6 | 7.95 | 17147 | 47.0 | 0.19 | 14 | 28.30 | 10.04 | 11.13 |
| 14:05 | 500 | 2000 | 27.4 | 7.91 | 17033 | 81.0 | 0.27 | 19 | 28.30 | 9.99 | 11.08 |
| 14:13 | 500 | 6000 | 27.5 | 7.95 | 17004 | -1.0 | 0.16 | 9 | 28.30 | 9.96 | 11.08 |
| 14:17 | 500 | 8000 | 27.6 | 7.93 | 17052 | -16.8 | 0.17 | 7 | 28.30 | 10.00 | 11.09 |
| 14:21 | 500 | 10000 | 27.6 | 7.92 | 17108 | -23.3 | 0.13 | 8 | 28.30 | 10.02 | 11.12 |
| 14:25 | 500 | 12000 | 27.6 | 7.90 | 17131 | -26.6 | 0.11 | 7 | 28.30 | 10.04 | 11.14 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | Х | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | Х | | | |
| Action Completed Date | | | | |

| D. (| | . |
|-------------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-76-039

| Date | 11/21/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 27.35 |
| Water Quality Meter | YSI | Gallons in Well | 1.78 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 38.29 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 35 |
| Water Column in | 10.94 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-790-Q419 |
| Did Well Dewater? | No | EB Time | 16:00 |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | |
| Sample Time | 15:08 | MS/MSD Sample Time | |
| Sample ID | MW-C-39-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 29 | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:51 | 500 | 2000 | 27.6 | 7.73 | 3459 | 67.3 | 0.60 | 88 | 28.10 | 1.81 | 2.26 |
| 14:54 | 500 | 4000 | 27.6 | 7.72 | 3480 | 49.6 | 0.77 | 41 | 28.10 | 1.82 | 2.26 |
| 14:58 | 500 | 6000 | 27.6 | 7.72 | 3489 | 35.7 | 0.92 | 38 | 28.10 | 1.82 | 2.26 |
| 15:02 | 500 | 8000 | 27.6 | | 3493 | 29.8 | 0.87 | 33 | 28.10 | 1.82 | 2.26 |
| 15:06 | 500 | 10000 | 27.6 | 7.71 | 3499 | 27.0 | 0.81 | 28 | 28.10 | 1.83 | 2.27 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Required Actions | | | | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Photos and Drawings |
|---------------------|
|---------------------|



Project Number: RC000753.0801

MW-75-337

| Date | 11/18/2019 | Sampler | Garrett graves |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 20.25 |
| Water Quality Meter | YSI | _ Gallons in Well | |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 320 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 11/18/2019 | _ EB Sample ID | |
| Sample Time | 12:23 | _ EB Time | |
| Sample ID | MW-B-337-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 6 | MS/MSD Sample Time | |
| Without Filter | 23 | _ Double Filter Turbidity | 1 |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 11/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:10 | 500 | 1500 | 28.4 | 7.97 | 31490 | -260.1 | 0.26 | 34 | 20.36 | 19.29 | 20.34 |
| 12:13 | 500 | 3000 | 28.6 | 8.02 | 31310 | -256.6 | 0.41 | 30 | 20.36 | 19.17 | 20.30 |
| 12:16 | 500 | 4500 | 28.6 | 8.03 | 31214 | -254.6 | 0.31 | 28 | 20.36 | 19.41 | 20.37 |
| 12:19 | 500 | 6000 | 28.6 | 8.03 | 31340 | -255.1 | 0.31 | 25 | 20.36 | 19.18 | 20.36 |
| 12:22 | 500 | 7500 | 28.6 | 8.01 | 31333 | -254.2 | 0.33 | 23 | 20.36 | 19.18 | 20.33 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Required Actions | _ | | | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Ρ | hotos | and | Drawings |
|---|--------|------|----------|
| | 110100 | alia | Diawingo |



Project Number: RC000753.0801

MW-82-112

| Date | 11/20/2019 | Sampler | Garrett graves |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 30.90 |
| Water Quality Meter | YSI | Gallons in Well | 13.59 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 114.20 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 106 |
| Water Column in | 83.30 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 11:04 | MS/MSD Sample Time | |
| Sample ID | MW-H-112-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-927-4Q19 | Post Sampling Turbidity | |
| Dup Sample Time | 11:14 | Purge Date | 11/20/2019 |
| Single Filter Turbidity | 1 | | |
| Without Filter | 2 | | |

Field Parameters

Turbidity

| ioia i aia | 11101010 | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 10:46 | 500 | 2000 | 24.7 | 7.81 | 8627 | 20.9 | 1.30 | 4 | 31.00 | 4.82 | 5.64 |
| 10:50 | 500 | 4000 | 25.1 | 7.77 | 8763 | 9.5 | 0.96 | 3 | 31.00 | 4.89 | 5.70 |
| 10:54 | 500 | 6000 | 25.1 | 7.76 | 8812 | 6.0 | 0.81 | 3 | 31.00 | 4.92 | 5.73 |
| 10:58 | 500 | 8000 | 25.1 | 7.75 | 8846 | 4.8 | 0.78 | 3 | 31.00 | 4.93 | 5.75 |
| 11:02 | 500 | 10000 | 25.1 | 7.74 | 8878 | 3.2 | 0.71 | 2 | 31.00 | 4.96 | 5.77 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |
| Required Actions | | | | |
| Action Completed? | Х | | | |
| Action Completed Date | | | | |

Photos and Drawings



Project Number: RC000753.0801

MW-82-168

| Date | 11/20/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 30.70 |
| Water Quality Meter | YSI | Gallons in Well | 22.54 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 168.90 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 160 |
| Water Column in | 138.20 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 10:20 | MS/MSD Sample Time | |
| Sample ID | MW-H-168-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:00 | 500 | 2000 | 24.7 | 7.97 | 19507 | 198.6 | 0.60 | 6 | 30.77 | 11.60 | 12.68 |
| 10:04 | 500 | 4000 | 24.7 | 7.92 | 19555 | 192.2 | 0.73 | 3 | 30.77 | 11.64 | 12.72 |
| 10:08 | 500 | 6000 | 24.5 | 7.84 | 19612 | 188.7 | 0.58 | 3 | 30.77 | 11.69 | 12.75 |
| 10:12 | 500 | 8000 | 24.2 | 7.78 | 19647 | 187.3 | 0.66 | 3 | 30.77 | 11.70 | 12.77 |
| 10:16 | 500 | 10000 | 24.2 | 7.80 | 19666 | 180.0 | 0.55 | 3 | 30.77 | 11.66 | 12.76 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |
| Required Actions | | | | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Ρ | hotos | and | Drawings |
|---|--------|------|----------|
| | 110100 | alia | Diawingo |



Project Number: RC000753.0801

MW-82-198

| Date | 11/20/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 30.33 |
| Water Quality Meter | YSI | Gallons in Well | 27.58 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 199.45 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 180 |
| Water Column in | 169.12 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 09:32 | MS/MSD Sample Time | |
| Sample ID | MW-H-198-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:10 | 500 | 2000 | 25.1 | 7.99 | 21929 | 282.6 | 2.81 | 18 | 30.37 | 13.25 | 14.33 |
| 09:14 | 500 | 4000 | 24.9 | 8.17 | 21988 | 278.5 | 2.17 | 12 | 30.37 | 13.29 | 14.41 |
| 09:18 | 500 | 6000 | 24.9 | 8.23 | 22038 | 273.9 | 1.77 | 7 | 30.37 | 13.28 | 14.33 |
| 09:22 | 500 | 8000 | 24.9 | 8.21 | 22059 | 268.9 | 1.68 | 7 | 30.37 | 13.35 | 14.38 |
| 09:26 | 500 | 10000 | 24.8 | 8.27 | 22019 | 266.3 | 1.68 | 4 | 30.37 | 13.25 | 14.33 |
| 09:30 | 500 | 12000 | 24.8 | 8.26 | 22050 | 264.9 | 1.66 | 5 | 30.37 | 13.25 | 14.33 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Photo Taken? | | | X | |
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| ı | D | h | <u></u> | toc | or | A | \Box | rav | vir | |
|---|---|---|---------|-----|----|----|--------|-----|-----|-----|
| ı | М | n | O | tos | ar | ıa | וט | ſ۵۷ | VII | เนร |



Project Number: RC000753.0801

MW-82-046

| Date | 11/20/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 30.09 |
| Water Quality Meter | YSI | Gallons in Well | 2.87 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 47.71 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 42 |
| Water Column in | 17.62 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/20/2019 | MS/MSD Sample ID | |
| Sample Time | 12:05 | MS/MSD Sample Time | |
| Sample ID | MW-H-46-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 5 | Post Sampling Turbidity | |
| Without Filter Turbidity | 28 | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:47 | 500 | 2000 | 26.0 | 7.45 | 7071 | 118.3 | 0.77 | 1000 | 30.33 | 3.87 | 4.59 |
| 11:51 | 500 | 4000 | 26.3 | 7.41 | 7036 | 113.6 | 0.71 | 222 | 30.33 | 3.88 | 4.61 |
| 11:55 | 500 | 6000 | 26.3 | 7.40 | 7001 | 109.6 | 0.68 | 32 | 30.33 | 3.87 | 4.59 |
| 11:59 | 500 | 8000 | 26.3 | 7.40 | 6978 | 103.9 | 0.63 | 31 | 30.33 | 3.87 | 4.60 |
| 12:03 | 500 | 10000 | 26.3 | 7.38 | 6987 | 100.7 | 0.66 | 28 | 30.33 | 3.88 | 4.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |

39 / 92



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| D. (| | . |
|-------------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-77-158

| Date | 11/21/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 26.10 |
| Water Quality Meter | YSI | Gallons in Well | 21.84 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 159.98 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 148 |
| Water Column in | 133.88 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | |
| Sample Time | 09:00 | MS/MSD Sample Time | |
| Sample ID | MW-D-158-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 10 | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:42 | 500 | 2000 | 26.2 | 7.71 | 20606 | 160.8 | 0.73 | 28 | 26.47 | 12.29 | 13.40 |
| 08:46 | 500 | 4000 | 26.8 | 7.69 | 20625 | 180.8 | 00.61 | 12 | 26.47 | 12.26 | 13.37 |
| 08:50 | 500 | 6000 | 27.0 | 7.68 | 20595 | 180.7 | 0.57 | 13 | 26.47 | 12.24 | 13.36 |
| 08:54 | 500 | 8000 | 27.0 | 7.66 | 20534 | 178.6 | 0.53 | 11 | 26.47 | 12.28 | 13.37 |
| 08:58 | 500 | 10000 | 27.0 | 7.67 | 20605 | 176.1 | 0.51 | 10 | 26.47 | 12.26 | 13.37 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | X | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | X | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Required Actions | | | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Action Completed Date | | | | |

Photos and Drawings



Project Number: RC000753.0801

MW-77-187

| Date | 11/21/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 26.46 |
| Water Quality Meter | YSI | Gallons in Well | 26.18 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 187.00 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 166 |
| Water Column in | 160.54 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | |
| Sample Time | 08:23 | MS/MSD Sample Time | |
| Sample ID | MW-D-187-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:05 | 500 | 2000 | 26.6 | 7.95 | 23660 | 267.9 | 0.46 | 14 | 26.66 | 14.31 | 1541 |
| 08:09 | 500 | 4000 | 27.0 | 8.10 | 23766 | 266.0 | 0.33 | 8 | 26.66 | 14.31 | 15.46 |
| 08:13 | 500 | 6000 | 27.0 | 8.11 | 23789 | 263.9 | 0.31 | 6 | 26.66 | 14.34 | 15.45 |
| 08:17 | 500 | 8000 | 27.0 | 8.11 | 23790 | 260.7 | 0.27 | 5 | 26.66 | 14.34 | 15.46 |
| 08:21 | 500 | 10000 | 27.1 | 8.13 | 24024 | 258.9 | 0.26 | 5 | 26.66 | 14.33 | 15.43 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | X | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

43 / 92



| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| D. (| | . |
|-------------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-75-267

| Date | 11/18/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 19.28 |
| Water Quality Meter | YSI | Gallons in Well | 40.68 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 268.66 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 250 |
| Water Column in | 249.38 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/18/2019 | MS/MSD Sample ID | |
| Sample Time | 13:51 | MS/MSD Sample Time | |
| Sample ID | MW-B-267R-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 11/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:10 | 500 | 2000 | 28.4 | 7.87 | 23779 | -208.9 | 0.48 | 38 | 19.39 | 14.34 | 15.46 |
| 13:14 | 500 | 4000 | 28.6 | 7.84 | 23696 | -210.8 | 0.53 | 17 | 19.40 | 14.30 | 15.55 |
| 13:18 | 500 | 6000 | 28.6 | 7.83 | 23689 | -212.5 | 0.51 | 13 | 19.40 | 14.41 | 15.48 |
| 13:22 | 500 | 8000 | 28.6 | 7.83 | 23719 | -218.2 | 0.48 | 11 | 19.40 | 14.33 | 15.87 |
| 13:26 | 500 | 10000 | 28.6 | 7.80 | 23745 | -220.1 | 0.45 | 9 | 19.40 | 14.52 | 15.90 |
| 13:30 | 500 | 12000 | 28.5 | 7.80 | 23789 | -222.1 | 0.44 | 9 | 19.40 | 14.38 | 15.82 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | X | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

45 / 92



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Photo Taken? | | | X | |
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

Photos and Drawings

QNOPY



Project Number: RC000753.0801

MW-75-202

| Date | 11/18/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 18.87 |
| Water Quality Meter | YSI | Gallons in Well | 30.25 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 204.31 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 190 |
| Water Column in | 185.44 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/18/2019 | MS/MSD Sample ID | |
| Sample Time | 14:30 | MS/MSD Sample Time | |
| Sample ID | MW-B-202-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 11/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|-------------------------|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | or gal/ min) | | | | | | | | | | |
| 14:08 | 500 | 2000 | 27.9 | 7.76 | 18450 | -142.0 | 0.69 | 12 | 19.01 | 10.54 | 11.68 |
| 14:12 | 500 | 4000 | 27.9 | 7.74 | 18489 | -144.9 | 0.73 | 8 | 19.03 | 10.58 | 11.72 |
| 14:16 | 500 | 6000 | 28.0 | 7.74 | 18499 | -148.9 | 0.75 | 7 | 19.03 | 10.60 | 11.71 |
| 14:20 | 500 | 8000 | 28.0 | 7.73 | 18512 | -150.4 | 0.76 | 7 | 19.03 | 10.63 | 11.75 |
| 14:24 | 500 | 10000 | 28.1 | 7.71 | 18547 | -151.9 | 0.77 | | 19.03 | 10.90 | 12.1 |
| 14:39 | 500 | 12000 | 28.1 | 7.70 | 18578 | -153.6 | 0.79 | 5 | 19.03 | 10.96 | 12.06 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

47 / 92



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | | | X | |
| Required Actions | | | | |
| Action Completed? | X | | | |

| Photos | and | Drawings |
|--------|-----|----------|



Project Number: RC000753.0801

MW-77-102

| Date | 11/21/2019 | Sampler | Garrett graves |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 26.70 |
| Water Quality Meter | YSI | Gallons in Well | 12.54 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 103.57 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 93 |
| Water Column in | 76.87 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | |
| Sample Time | 09:50 | MS/MSD Sample Time | |
| Sample ID | MW-D-102-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-929-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 10:00 | Purge Date | 11/21/2019 |
| Single Filter Turbidity | 1 | 3 | |
| Without Filter | 10 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:33 | 500 | 2000 | 26.1 | 7.31 | 8560 | 84.5 | 0.35 | 19 | 26.96 | 4.75 | 5.55 |
| 09:37 | 500 | 4000 | 26.3 | 7.29 | 8569 | 71.4 | 0.23 | 16 | 26.96 | 4.77 | 5.57 |
| 09:41 | 500 | 6000 | 26.3 | 7.29 | 8625 | 56.0 | 0.26 | 13 | 26.96 | 5.60 | 4.79 |
| 09:45 | 500 | 8000 | 26.3 | 7.30 | 8618 | 51.8 | 0.17 | 11 | 26.96 | 4.80 | 5.60 |
| 09:49 | 500 | 10000 | 26.3 | 7.30 | 8635 | 47.2 | 0.16 | 10 | 26.96 | 4.80 | 5.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Χ | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | Χ | | |
| Erosion Around Wellhead? | | Χ | | |
| Steel Casing Intact? | | Χ | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Χ | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| i notos ana brawing | Photos | and | Drawings |
|---------------------|---------------|-----|----------|
|---------------------|---------------|-----|----------|



Project Number: RC000753.0801

MW-92-102

| Date | 11/19/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 7.77 |
| Water Quality Meter | YSI | Gallons in Well | 15.68 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 103.88 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 95 |
| Water Column in | 96.11 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/19/2019 | MS/MSD Sample ID | |
| Sample Time | 08:50 | MS/MSD Sample Time | |
| Sample ID | MW-Y-102-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 11/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:37 | 100 | 300 | 25.6 | 8.71 | 4174 | 40.7 | 1.48 | 5 | 7.91 | 2.19 | 2.67 |
| 08:40 | 100 | 600 | 25.7 | 8.58 | 3997 | 31.3 | 1.00 | 3 | 7.91 | 2.10 | 2.58 |
| 08:43 | 100 | 900 | 26.0 | 8.51 | 3859 | 19.4 | 0.86 | 3 | 7.91 | 2.03 | 2.50 |
| 08:46 | 100 | 1200 | 26.6 | 8.52 | 3881 | 19.8 | 0.80 | 2 | 7.91 | 2.05 | 2.52 |
| 08:49 | 100 | 1500 | 26.6 | 8.53 | 3910 | 17.1 | 0.78 | 2 | 7.91 | 2.03 | 2.58 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | Х | | | |
| Action Completed Date | | | | |

| D. (| | . |
|-------------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-92-122

| Date | 11/19/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 8.23 |
| Water Quality Meter | YSI | Gallons in Well | 18.87 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 123.91 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 115 |
| Water Column in | 115.68 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/19/2019 | MS/MSD Sample ID | |
| Sample Time | 07:50 | MS/MSD Sample Time | |
| Sample ID | MW-Y-122-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 11/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:30 | 100 | 300 | 24.3 | 8.02 | 14822 | 221.7 | 3.63 | 12 | 8.29 | 8.73 | 9.73 |
| 07:33 | 100 | 600 | 24.9 | 8.15 | 14812 | 177.3 | 2.19 | 9 | 8.30 | 8.62 | 9.64 |
| 07:36 | 100 | 900 | 25.0 | 8.18 | 14849 | 155.3 | 2.01 | 8 | 8.30 | 8.64 | 9.66 |
| 07:39 | 100 | 1200 | 24.9 | 8.22 | 14888 | 147.9 | 1.77 | 7 | 8.30 | 8.65 | 9.66 |
| 07:42 | 100 | 1500 | 24.9 | 8.22 | 14912 | 140.1 | 1.73 | 7 | 8.30 | 8.61 | 9.68 |
| 07:45 | 100 | 1800 | 24.9 | 8.23 | 15329 | 138.8 | 1.66 | 8 | 8.30 | 8.69 | 9.70 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |

53 / 92



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|------------------|-----|----|----|-------|
| Photo Taken? | | | X | |
| Required Actions | | | | |

| Ρ | hotos | and | Drawings |
|---|--------|------|----------|
| | 110100 | alia | Diawingo |



Project Number: RC000753.0801

MW-92-072

| Date | 11/19/2019 | Sampler | |
|-------------------------|--------------|------------------------------|------------|
| Did Well Dewater? | No | Color | Clear |
| Sample Date | 11/19/2019 | Casing Volume to Remove | |
| Sample Time | 09:30 | Depth to Water (ft bmp) | |
| Sample ID | MW-Y-72-Q419 | Gallons in Well | |
| Single Filter Turbidity | 1 | Measured Well Depth (ft bmp) | |
| Without Filter | 4 | Odor | none |
| Turbidity | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:15 | 100 | 300 | 27.2 | 8.76 | 2473 | 93.7 | 0.83 | 9 | 7.33 | 1.27 | 1.61 |
| 09:18 | 100 | 600 | 26.8 | 8.64 | 2500 | 93.6 | 0.80 | 6 | 7.33 | 1.28 | 1.63 |
| 09:21 | 100 | 900 | 26.4 | 8.57 | 2509 | 90.7 | 0.61 | 4 | 7.33 | 1.29 | 1.62 |
| 09:24 | 100 | 1200 | 26.3 | 8.54 | 2500 | 88.9 | 0.55 | 4 | 7.33 | 1.31 | 1.62 |
| 09:27 | 100 | 1500 | 26.4 | 8.54 | 2503 | 87.0 | 0.52 | 2 | 7.33 | 1.29 | 1.64 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |
| Required Actions | | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Photos | and | Drawings |
|----------|-----|-----------|
| 1 110100 | ana | Diawiiigo |



Project Number: RC000753.0801

MW-92-037

| Date | 11/19/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 7.33 |
| Water Quality Meter | YSI | Gallons in Well | 5.23 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 39.40 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 36 |
| Water Column in | 32.07 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/19/2019 | MS/MSD Sample ID | |
| Sample Time | 10:02 | MS/MSD Sample Time | |
| Sample ID | MW-Y-37-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 11/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:48 | 100 | 300 | 27.0 | 8.61 | 1868 | 74.9 | 0.66 | 6 | 7.35 | 0.94 | 1.21 |
| 09:51 | 100 | 600 | 27.0 | 8.57 | 1864 | 62.4 | 0.74 | 4 | 7.35 | 0.94 | 1.21 |
| 09:54 | 100 | 900 | 27.0 | 8.55 | 1856 | 53.8 | 0.81 | 3 | 7.35 | 0.95 | 1.23 |
| 09:57 | 100 | 1200 | 27.0 | 8.55 | 1863 | 50.1 | 0.83 | 3 | 7.35 | 0.94 | 1.23 |
| 10:00 | 100 | 1500 | 27.1 | 8.53 | 1864 | 45.3 | 0.87 | 2 | 7.35 | 0.94 | 1.20 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| DI (| | ь . |
|--------|-----|----------|
| Photos | and | Drawings |



Project Number: RC000753.0801

MW-77-046

| Date | 11/21/2019 | Sampler | Garrett graves |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | brown |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 26.00 |
| Water Quality Meter | YSI | Gallons in Well | 3.60 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 48.10 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 38 |
| Water Column in | 22.10 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 11/21/2019 | MS/MSD Sample ID | |
| Sample Time | 10:33 | MS/MSD Sample Time | |
| Sample ID | MW-D-46R-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 6 | Post Sampling Turbidity | |
| Without Filter Turbidity | 33 | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:15 | 500 | 2000 | 26.9 | 7.33 | 13745 | 20.1 | 0.38 | 789 | 26.34 | 7.89 | 8.91 |
| 10:19 | 500 | 4000 | 27.0 | 7.32 | 13564 | -12.3 | 0.27 | 215 | 26.35 | 7.31 | 8.79 |
| 10:23 | 500 | 6000 | 27.1 | 7.30 | 13452 | -44.0 | 0.17 | 155 | 26.35 | 7.72 | 8.76 |
| 10:27 | 500 | 8000 | 27.0 | 7.30 | 13307 | -50.1 | 0.26 | 62 | 26.35 | 7.47 | 8.44 |
| 10:31 | 500 | 10000 | 27.0 | 7.29 | 13017 | -55.9 | 0.25 | 33 | 26.35 | 7.44 | 8.41 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | X | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | X | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Required Actions | | | | |

59 / 92



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-----------------------|-----|----|----|-------|
| Action Completed? | X | | | |
| Action Completed Date | | | | |

| Photos and Drawings | Photo | os an | d Dra | wings |
|---------------------|-------|-------|-------|-------|
|---------------------|-------|-------|-------|-------|



Project Number: RC000753.0801

C-BNS

| Date | 11/20/2019 | _ Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | _ Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 13 |
| Comments | 2102141.19 N, 7616948.53 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 12 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 11:05 | _ EB Sample ID | |
| Sample ID | C-BNS-Q419 | _ EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | _ MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:04 | 500 | | 16.9 | 8.16 | 933 | 110.6 | 8.52 | 2 | | 0.46 | 0.60 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-NR3-D

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 8 |
| Comments | 2106755.74 N, 7611725.79 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 7 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 11:10 | _ EB Sample ID | |
| Sample ID | C-NR3-D-Q419 | _ EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 13 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:09 | 500 | | 16.1 | 8.16 | 945 | 115.8 | 8.27 | 13 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-NR4-D

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 10 |
| Comments | 2108624.12 N, 7607995.93 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 9 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 12:00 | EB Sample ID | |
| Sample ID | C-NR4-D-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 15 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:59 | 500 | | 16.5 | 8.14 | 947 | 116.0 | 8.12 | 15 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-R22A-D

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 5 |
| Comments | 2101639.58 N, 7616968.56 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 4 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 10:20 | EB Sample ID | |
| Sample ID | C-R22A-D-Q419 | EB Time | |
| Duplicate Sample ID | MW-902-Q419 | MS/MSD Sample ID | |
| Dup Sample Time | 10:30 | MS/MSD Sample Time | |
| Single Filter Turbidity | 1 | Double Filter Turbidity | |
| Without Filter | 3 | Post Sampling Turbidity | |
| Turbidity | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:19 | 500 | | 17.0 | 8.17 | 940 | 110.5 | 8.37 | 3 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-R27-D

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 4 |
| Casing Material | PVC | Odor | None |
| Comments | 2102559.87 N, 7616721.16 E | Pump Intake Depth (ft bmp) | 3 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 11/20/2019 | EB Sample ID | |
| Sample Time | 11:35 | EB Time | |
| Sample ID | C-R27-D-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 3 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:34 | 500 | | 17.1 | 8.16 | 934 | 109.9 | 8.28 | 3 | | 0.46 | 0.60 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-TAZ-D

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 12 |
| Comments | 2100869.09 N, 7618856.05 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 11 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 08:45 | EB Sample ID | |
| Sample ID | C-TAZ-D-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:44 | 500 | | 16.8 | 8.15 | 931 | 104.6 | 8.87 | 3 | | 0.46 | 0.60 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

PE-01

| Date | 11/07/2019 | Sampler | Jed |
|---------------------|-----------------|------------------------------|------------|
| Purge Method | Extraction Port | Color | |
| Water Quality Meter | YSI | Casing Volume to Remove | |
| Sampling Type | Extraction port | Depth to Water (ft bmp) | |
| | | Gallons in Well | |
| | | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/07/2019 |
| | | | |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:45 | | | 20.1 | 6.92 | 5016 | -42.3 | 1.90 | 2 | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | X | | |
| Action Completed? | | X | | |





Project Number: RC000753.0801





Project Number: RC000753.0801

R-19

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 3 |
| Comments | 2103323.98 N, 7616195.57 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 2 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 09:00 | EB Sample ID | |
| Sample ID | R-19-Q419 | EB Time | |
| Single Filter Turbidity | 3 | MS/MSD Sample ID | |
| Without Filter | 35 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Tir | (| Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-----|----|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08 | 59 | 500 | | 16.2 | 8.07 | 945 | 115.3 | 8.20 | 35 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

R-28

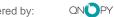
| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 3 |
| Comments | 2103080.43 N, 7616318.02 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 2 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 12:20 | EB Sample ID | |
| Sample ID | R-28-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| - | Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|---|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 1 | 12:19 | 500 | | 17.1 | 8.10 | 951 | 110.6 | 8.30 | 2 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |





Project Number: RC000753.0801

R63

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 3 |
| Comments | 2100793.49 N, 7617355.34 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 2 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 09:55 | EB Sample ID | |
| Sample ID | R63-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:54 | 50 | | 16.9 | 8.15 | 939 | 110.6 | 8.21 | 3 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

RMP-AB1

| Date | 11/20/2019 | Sampler | Nara Tep |
|--------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | |
| Comments | 2100869.09 N, 7618856.05 E | Casing Volume to Remove | |
| Sample Date | 11/20/2019 | Depth to Water (ft bmp) | |
| Sample Time | 08:30 | Gallons in Well | |
| Sample ID | RMP-AB1-Q419 | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:30 | | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |

Photos and Drawings

Feb 4, 2020, 4:39 PM



Project Number: RC000753.0801

RMP-AB2

| Date | 11/20/2019 | Sampler | Nara Tep |
|--------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | |
| Comments | 2103080.43 N, 7616318.02 E | Casing Volume to Remove | |
| Sample Date | 11/20/2019 | Depth to Water (ft bmp) | |
| Sample Time | 12:30 | Gallons in Well | |
| Sample ID | RMP-AB2-Q419 | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:30 | | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

RMP-AB3

| Date | 11/21/2019 | Sampler | Nara Tep |
|--------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | |
| Comments | 2108624.12 N, 7607995.93 E | Casing Volume to Remove | |
| Did Well Dewater? | No | Depth to Water (ft bmp) | |
| Sample Date | 11/21/2019 | Gallons in Well | |
| Sample Time | 12:25 | Measured Well Depth (ft bmp) | |
| Sample ID | RMP-AB3-Q419 | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:24 | | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

RRB

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Water Quality Meter | YSI | Casing Volume to Remove | |
| Sampling Type | Surface water | Depth to Water (ft bmp) | |
| Comments | 2104538.98 N, 7615236.08 E | Gallons in Well | |
| Did Well Dewater? | No | Measured Well Depth (ft bmp) | |
| Sample Date | 11/21/2019 | Odor | None |
| Sample Time | 09:20 | Pump Intake Depth (ft bmp) | |
| Sample ID | RRB-Q419 | Total Volume to Remove | |
| Single Filter Turbidity | 1 | EB Sample ID | |
| Without Filter | 9 | EB Time | |
| Turbidity | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:20 | | | 15.9 | 7.86 | 2960 | 128.9 | 5.06 | 9 | | 1.54 | 1.90 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

SW1

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Water Quality Meter | YSI | Casing Volume to Remove | |
| Sampling Type | Surface water | Depth to Water (ft bmp) | |
| Comments | 2101306.19 N, 7616724.42 E | Gallons in Well | |
| Did Well Dewater? | No | Measured Well Depth (ft bmp) | |
| Sample Date | 11/21/2019 | Odor | None |
| Sample Time | 13:45 | Pump Intake Depth (ft bmp) | |
| Sample ID | SW1-Q419 | Total Volume to Remove | |
| Single Filter Turbidity | 3 | EB Sample ID | |
| Without Filter | 39 | EB Time | |
| Turbidity | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:45 | | | 16.9 | 7.94 | 924 | 115.7 | 6.08 | 39 | | 0.46 | 0.59 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

SW2

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Water Quality Meter | YSI | Casing Volume to Remove | |
| Sampling Type | Surface water | Depth to Water (ft bmp) | |
| Comments | 2101074.98 N, 7616907.24 E | Gallons in Well | |
| Did Well Dewater? | No | Measured Well Depth (ft bmp) | |
| Sample Date | 11/21/2019 | Odor | None |
| Sample Time | 14:05 | Pump Intake Depth (ft bmp) | |
| Sample ID | SW2-Q419 | Total Volume to Remove | |
| Single Filter Turbidity | 3 | EB Sample ID | |
| Without Filter | 33 | EB Time | |
| Turbidity | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:05 | | | 16.3 | 7.65 | 1023 | 109.6 | 2.53 | 33 | | 0.51 | 0.66 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

TW-03D

| Date | 11/07/2019 | Sampler | Jed |
|---------------------|-----------------|------------------------------|------------|
| Purge Method | Extraction Port | Color | |
| Water Quality Meter | YSI | Casing Volume to Remove | |
| Sampling Type | Extraction port | Depth to Water (ft bmp) | |
| | | Gallons in Well | |
| | | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/07/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:55 | | | 25.1 | 7.28 | 7681 | 92 | 3.44 | 1 | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | Х | | | |
| Photo Taken? | | Х | | |



Project Number: RC000753.0801





Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-CON-D

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 9 |
| Comments | 2105632.32 N, 7614088.56 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 8 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 09:45 | EB Sample ID | |
| Sample ID | C-CON-D-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 13 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:44 | 500 | | 16.1 | 8.11 | 949 | 110.9 | 8.39 | 13 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |

80 / 92



Project Number: RC000753.0801

C-CON-S

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 9 |
| Comments | 2105632.32 N, 7614088.56 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 10:00 | EB Sample ID | |
| Sample ID | C-CON-S-Q419 | EB Time | |
| Duplicate Sample ID | MW-900-Q419 | MS/MSD Sample ID | |
| Dup Sample Time | 10:10 | MS/MSD Sample Time | |
| Single Filter Turbidity | 1 | Double Filter Turbidity | |
| Without Filter | 9 | Post Sampling Turbidity | |
| Turbidity | | Purge Date | 11/21/2019 |

Field Parameters

| Ti | ime | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|----|------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09 | 9:59 | 500 | | 16.1 | 8.15 | 944 | 115.8 | 8.12 | 9 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-I-3-D

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 12 |
| Comments | 2101055.66 N, 7617743.98 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 11 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 09:25 | EB Sample ID | |
| Sample ID | C-I-3-D-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:24 | 500 | | 16.7 | 8.18 | 931 | 109.6 | 8.60 | 3 | | 0.46 | 0.60 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-I-3-S

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 12 |
| Casing Material | PVC | Odor | None |
| Comments | 2101055.66 N, 7617743.98 E | Pump Intake Depth (ft bmp) | 1 |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 11/20/2019 | EB Sample ID | |
| Sample Time | 09:40 | EB Time | |
| Sample ID | C-I-3-S-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 2 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Tir | me | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-----|-----|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09 | :39 | 500 | | 16.7 | 8.18 | 931 | 110.9 | 8.49 | 2 | | 0.46 | 0.60 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |

83 / 92



Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-MAR-D

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 4 |
| Comments | 2102571.51 N, 7617737.29 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 3 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 08:15 | EB Sample ID | |
| Sample ID | C-MAR-D-Q419 | EB Time | |
| Single Filter Turbidity | 3 | MS/MSD Sample ID | |
| Without Filter | 31 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| 7 | Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|---|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 0 | 08:14 | 500 | | 15.8 | 7.89 | 1164 | 115.6 | 7.15 | 31 | | 0.58 | 0.75 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-MAR-S

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 4 |
| Comments | 2102571.51 N, 7617737.29 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 08:30 | EB Sample ID | |
| Sample ID | C-MAR-S-Q419 | EB Time | |
| Duplicate Sample ID | MW-901-Q419 | MS/MSD Sample ID | |
| Dup Sample Time | 08:40 | MS/MSD Sample Time | |
| Single Filter Turbidity | 2 | Double Filter Turbidity | 1 |
| Without Filter | 29 | Post Sampling Turbidity | |
| Turbidity | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:29 | 500 | | 15.8 | 7.91 | 1123 | 116.8 | 7.41 | 29 | | 0.56 | 0.73 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

C-NR1-D

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 7 |
| Comments | 2106025.74 N, 7613284.17 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 6 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 10:30 | EB Sample ID | |
| Sample ID | C-NR1-D-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 15 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:29 | 500 | | 16.1 | 8.16 | 944 | 115.8 | 8.36 | 15 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-NR1-S

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 7 |
| Comments | 2106025.74 N, 7613284.17 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 10:45 | EB Sample ID | |
| Sample ID | C-NR1-S-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 14 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:44 | 500 | | 16.1 | 8.16 | 944 | 115.8 | 8.36 | 14 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-NR3-S

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 8 |
| Comments | 2106755.74 N, 7611725.79 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 11:25 | EB Sample ID | |
| Sample ID | C-NR3-S-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 13 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:24 | 500 | | 16.3 | 8.16 | 945 | 115.7 | 8.11 | 13 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-NR4-S

| Date | 11/21/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 10 |
| Comments | 2108624.12 N, 7607995.93 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/21/2019 | Total Volume to Remove | |
| Sample Time | 12:15 | EB Sample ID | |
| Sample ID | C-NR4-S-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 12 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | 1 |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/21/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:14 | 500 | | 16.3 | 8.14 | 946 | 117.6 | 8.15 | 12 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-R22A-S

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 5 |
| Comments | 2101639.58 N, 7616968.56 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 10:45 | EB Sample ID | |
| Sample ID | C-R22A-S-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 3 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:44 | 500 | | 16.9 | 8.17 | 943 | 110.3 | 8.43 | 3 | | 0.47 | 0.61 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-R27-S

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 4 |
| Comments | 2102559.87 N, 7616721.16 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 12:00 | EB Sample ID | |
| Sample ID | C-R27-S-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Т | Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|---|------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 1 | 1:59 | 500 | | 17.1 | 8.16 | 935 | 111.0 | 8.44 | 2 | | 0.46 | 0.60 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

C-TAZ-S

| Date | 11/20/2019 | Sampler | Nara Tep |
|-------------------------|----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | River Sample | Measured Well Depth (ft bmp) | 12 |
| Comments | 2100869.09 N, 7618856.05 E | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | 1 |
| Sample Date | 11/20/2019 | Total Volume to Remove | |
| Sample Time | 09:00 | EB Sample ID | |
| Sample ID | C-TAZ-S-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 11/20/2019 |

Field Parameters

| Tir | Ra (m or | Flow ate al/min r gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-----|----------------|---|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08 | 59 5 | 500 | | 16.7 | 8.19 | 933 | 109.6 | 8.51 | 2 | | 0.46 | 0.60 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

TW-04-LF

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 30.99 |
| Water Quality Meter | YSI | Gallons in Well | 326.15 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 253.17 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | 230 |
| Water Column in | 222.18 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 14:29 | MS/MSD Sample Time | |
| Sample ID | TW-04-LF-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:23 | 500 | 2000 | 27.8 | 7.21 | 22592 | 303.8 | 1.31 | 1 | 31.08 | 14.20 | 14.54 |
| 14:23 | 500 | 4000 | 27.8 | 7.22 | 22660 | 297.3 | 1.18 | 1 | 31.08 | 14.22 | 14.56 |
| 14:23 | 500 | 6000 | 27.8 | 7.22 | 22780 | 294.5 | 1.06 | 1 | 31.08 | 14.22 | 14.55 |
| 14:24 | 500 | 8000 | 27.8 | 7.23 | 22823 | 290.8 | 1.02 | 1 | 31.08 | 14.24 | 14.56 |
| 14:24 | 500 | 10000 | 27.8 | 7.23 | 22803 | 288.6 | 0.97 | 1 | 31.08 | 14.25 | 14.56 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project | Number |
|---------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-60BR-245-3V

| Date | 12/12/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|-------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Volume Units | Gal | Casing Volume to Remove | 3 |
| Water Quality Meter | YSI | Depth to Water (ft bmp) | 99.90 |
| Sampling Type | Volume Purge – Grundfos RF2 | Gallons in Well | 147.92 |
| Casing Material | PVC | Measured Well Depth (ft bmp) | 245.00 |
| Casing Diameter (in) | 5 | Odor | None |
| Water Column in | 145.1 | Pump Intake Depth (ft bmp) | 230 |
| Well | | Total Volume to Remove | 443.76 |
| Did Well Dewater? | No | EB Sample ID | EB-723-Q419 |
| Sample Date | 12/12/2019 | EB Time | 16:40 |
| Sample Time | 16:22 | MS/MSD Sample ID | |
| Sample ID | MW-60BR-245-3V-Q419 | MS/MSD Sample Time | |
| Single Filter Turbidity | 1 | Double Filter Turbidity | |
| Without Filter | 1 | Post Sampling Turbidity | |
| Turbidity | | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:21 | 3 | 60 | 28.6 | 7.86 | 18238 | 28.6 | 0.39 | 3 | 116.09 | 10.68 | 11.82 |
| 13:41 | 3 | 120 | 28.8 | 7.83 | 18168 | 28.8 | 0.38 | 2 | 126.83 | 10.68 | 11.82 |
| 14:01 | 3 | 180 | 28.8 | 7.89 | 18204 | 22.1 | 0.36 | 2 | 134.96 | 10.67 | 11.83 |
| 14:21 | 2 | 220 | 28.9 | 7.88 | 18278 | 21.9 | 0.34 | 1 | 136.03 | 10.74 | 11.86 |
| 14:41 | 2 | 260 | 29.1 | 7.89 | 18219 | 20.9 | 0.37 | 1 | 136.89 | 10.74 | 11.88 |
| 15:01 | 2 | 300 | 29.3 | 7.91 | 18235 | 18.6 | 0.38 | 1 | 137.22 | 10.74 | 11.84 |
| 15:21 | 2 | 340 | 29.3 | 7.91 | 18215 | 17.9 | 0.40 | 1 | 137.86 | 10.73 | 11.84 |
| 15:41 | 2 | 380 | 29.3 | 7.91 | 18220 | 17.6 | 0.41 | 1 | 138.03 | 10.73 | 11.84 |
| 16:01 | 2 | 420 | 29.3 | 7.92 | 18226 | 17.1 | 0.41 | 1 | 138.19 | 10.73 | 11.84 |
| 16:21 | 2 | 460 | 29.3 | 7.92 | 18229 | 16.9 | 0.42 | 1 | 138.29 | 10.73 | 11.84 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-60BR-245-LF_D

| Date | 12/13/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 99.98 |
| Water Quality Meter | YSI | Gallons in Well | 147.84 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 245.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 5 | Pump Intake Depth (ft bmp) | 238 |
| Water Column in | 145.02 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 12/13/2019 | — MS/MSD Sample ID | |
| Sample Time | 09:24 | MS/MSD Sample Time | |
| Sample ID | MW-60BR-245-LF_D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/13/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:51 | 200 | 800 | 27.6 | 7.89 | 18344 | 35.1 | 0.20 | 1 | 100.03 | 10.80 | 11.91 |
| 08:55 | 200 | 1600 | 27.9 | 7.90 | 18290 | 33.9 | 0.29 | 2 | 100.05 | 10.78 | 11.88 |
| 08:59 | 200 | 2400 | 27.9 | 7.90 | 18245 | 32.5 | 0.32 | 1 | 100.05 | 10.77 | 11.83 |
| 09:03 | 200 | 3200 | 28.0 | 7.93 | 18238 | 32.0 | 0.35 | 1 | 100.06 | 10.75 | 11.82 |
| 09:07 | 200 | 4000 | 28.0 | 7.92 | 18228 | 31.2 | 0.37 | 1 | 100.05 | 10.75 | 11.82 |
| 09:11 | 200 | 4800 | 28.1 | 7.92 | 18225 | 30.6 | 0.38 | 1 | 100.06 | 10.75 | 11.82 |
| 09:15 | 200 | 5600 | 28.1 | 7.92 | 18221 | 30.2 | 0.38 | 1 | 100.06 | 10.75 | 11.82 |
| 09:19 | 200 | 6400 | 28.1 | 7.91 | 18219 | 30.1 | 0.39 | 1 | 100.06 | 10.75 | 11.82 |
| 09:23 | 200 | 7200 | 28.1 | 7.91 | 18216 | 29.6 | 0.41 | 1 | 100.06 | 10.75 | 11.82 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-60BR-245-LF_S

| Date | 12/13/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 99.98 |
| Water Quality Meter | YSI | Gallons in Well | 147.84 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 245 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 5 | Pump Intake Depth (ft bmp) | 175 |
| Water Column in | 145.02 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 12/13/2019 | — MS/MSD Sample ID | |
| Sample Time | 08:22 | MS/MSD Sample Time | |
| Sample ID | MW-60BR-245-LF_S-Q419 | — Double Filter Turbidity | |
| Single Filter Turbidity | 1 | — Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | — Purge Date | 12/13/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:49 | 200 | 800 | 27.3 | 7.96 | 18090 | 38.9 | 0.74 | 2 | 100.03 | 10.65 | 11.75 |
| 07:53 | 200 | 1600 | 27.4 | 7.93 | 18061 | 32.6 | 0.71 | 1 | 100.05 | 10.64 | 11.75 |
| 07:57 | 200 | 2400 | 27.4 | 7.92 | 18084 | 31.0 | 0.71 | 1 | 100.05 | 10.64 | 11.75 |
| 08:01 | 200 | 3200 | 27.6 | 7.92 | 18091 | 30.2 | 0.68 | 1 | 100.05 | 10.64 | 11.75 |
| 08:05 | 200 | 4000 | 27.6 | 7.91 | 18095 | 29.7 | 0.67 | 1 | 100.06 | 10.64 | 11.75 |
| 08:09 | 200 | 4800 | 27.9 | 7.91 | 18097 | 28.5 | 0.63 | 1 | 100.06 | 10.64 | 11.75 |
| 08:13 | 200 | 5600 | 27.9 | 7.90 | 18097 | 28.2 | 0.62 | 1 | 100.06 | 10.64 | 11.75 |
| 08:17 | 200 | 6400 | 27.9 | 7.90 | 18099 | 27.8 | 0.61 | 1 | 100.06 | 10.64 | 11.75 |
| 08:21 | 200 | 7200 | 27.9 | 7.90 | 18103 | 27.1 | 0.61 | 1 | 100.06 | 10.64 | 11.75 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |

7 / 409



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

TW-05-LF

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 43.20 |
| Water Quality Meter | YSI | Gallons in Well | 164.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 155.24 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | 130 |
| Water Column in | 112.04 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 10:40 | MS/MSD Sample Time | |
| Sample ID | TW-05-LF-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:23 | 500 | 2000 | 28.3 | 7.12 | 16209 | 160.8 | 2.37 | 3 | 43.30 | 10.16 | 10.58 |
| 10:27 | 500 | 4000 | 28.3 | 7.15 | 16345 | 155.8 | 2.07 | 3 | 43.30 | 10.19 | 10.63 |
| 10:31 | 500 | 6000 | 28.4 | 7.15 | 16421 | 150.9 | 1.95 | 1 | 43.30 | 10.18 | 10.64 |
| 10:35 | 500 | 8000 | 28.3 | 7.18 | 16533 | 148.9 | 1.88 | 1 | 43.30 | 10.23 | 10.68 |
| 10:39 | 500 | 10000 | 28.3 | 7.19 | 16577 | 140.9 | 1.77 | 1 | 43.30 | 10.24 | 10.68 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

9 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-78-142

| Date | 12/02/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 48.36 |
| Water Quality Meter | YSI | Gallons in Well | 15.31 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 142.22 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 132 |
| Water Column in | 93.86 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 13:50 | MS/MSD Sample Time | |
| Sample ID | MW-E-142-LF-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | pН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:33 | 500 | 2000 | 29.0 | 7.29 | 13386 | 55.1 | 0.29 | 39 | 48.46 | 7.65 | 8.67 |
| 13:37 | 500 | 4000 | 29.1 | 7.26 | 13377 | 53.9 | 0.26 | 19 | 48.46 | 7.67 | 8.69 |
| 13:41 | 500 | 6000 | 29.1 | 7.26 | 13369 | 50.0 | 0.23 | 9 | 48.46 | 7.67 | 8.69 |
| 13:45 | 500 | 8000 | 29.1 | 7.25 | 13364 | 48.9 | 0.22 | 8 | 48.46 | 7.67 | 8.69 |
| 13:49 | 500 | 10000 | 29.1 | 7.25 | 13360 | 47.9 | 0.22 | 8 | 48.46 | 7.67 | 8.69 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-78-072

| Date | 12/02/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Cloudy | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 47.91 |
| Water Quality Meter | YSI | Gallons in Well | 3.94 |
| Sampling Type | Low Flow – Grundfos RF2 | _ Measured Well Depth (ft bmp) | 72.05 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 60 |
| Water Column in | 24.14 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 14:26 | MS/MSD Sample Time | |
| Sample ID | MW-E-72-LF-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | - Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:09 | 500 | 2000 | 29.3 | 7.35 | 2499 | 97.6 | 5.55 | 98 | 48.03 | 1.28 | 1.61 |
| 14:13 | 500 | 4000 | 29.3 | 7.34 | 2476 | 98.3 | 5.67 | 24 | 48.03 | 1.28 | 1.62 |
| 14:17 | 500 | 6000 | 29.3 | 7.34 | 2470 | 98.6 | 5.69 | 10 | 48.03 | 1.28 | 1.62 |
| 14:21 | 500 | 8000 | 29.3 | 7.34 | 2469 | 98.9 | 5.69 | 9 | 48.03 | 1.28 | 1.62 |
| 14:25 | 500 | 10000 | 29.4 | 7.34 | 2466 | 98.0 | 5.68 | 9 | 48.03 | 1.28 | 1.62 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-79-104

| Date | 12/02/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 47.09 |
| Water Quality Meter | YSI | Gallons in Well | 9.31 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 104.16 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 97 |
| Water Column in | 57.07 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-793-Q419 |
| Did Well Dewater? | No | EB Time | 15:30 |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 15:04 | MS/MSD Sample Time | |
| Sample ID | MW-F-104-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:47 | 500 | 2000 | 28.3 | 7.37 | 8567 | -98.0 | 1.15 | 10 | 47.20,, | 4.06 | 5.11 |
| 14:51 | 500 | 4000 | 29.0 | 7.42 | 8780 | -100.9 | 1.13 | 6 | 47.20 | 4.33 | 5.43 |
| 14:55 | 500 | 6000 | 29.2 | 7.45 | 8831 | -106.4 | 1.17 | 4 | 47.20 | 4.06 | 5.11 |
| 14:59 | 500 | 8000 | 30.0 | 7.47 | 8701 | -116.9 | 1.19 | 4 | 47.20 | 4.33 | 5.43 |
| 15:03 | 500 | 10000 | 29.2 | 7.57 | 87555 | -121.2 | 1.22 | 8 | 47.20 | 4.88 | 5.49 |

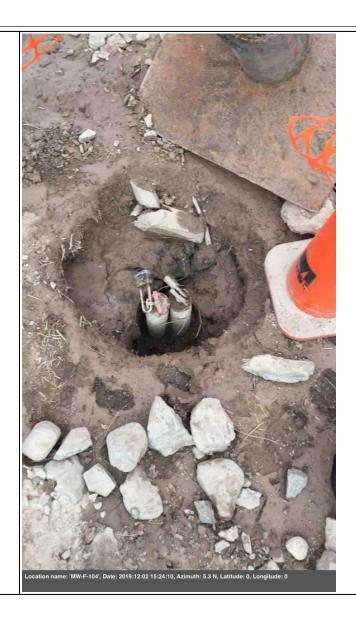
Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Χ | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

15 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-79-060

| Date | 12/02/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 47.27 |
| Water Quality Meter | YSI | Gallons in Well | 2.13 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 60.30 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 53 |
| Water Column in | 13.03 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 14:24 | MS/MSD Sample Time | |
| Sample ID | MW-F-60-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:22 | 500 | 2000 | 29.7 | 7.52 | 3309 | -89.7 | 5.56 | 58 | 47.34 | 1.73 | 2.17 |
| 14:53 | 500 | 4000 | 30.0 | 7.55 | 3318 | -86.7 | 5.21 | 39 | 47.34 | 1.73 | 2.17 |
| 14:53 | 500 | 6000 | 29.9 | 7.58 | 3330 | -84.3 | 4.99 | 22 | 47.34 | 1.73 | 2.17 |
| 14:53 | 500 | 8000 | 30.0 | 7.60 | 3334 | -83.0 | 4.84 | 16 | 47.34 | 1.73 | 2.17 |
| 14:54 | 500 | 10000 | 29.9 | 7.60 | 3337 | -81.8 | 4.79 | 8 | 47.34 | 1.73 | 2.17 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Χ | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-80-057

| Date | 12/02/2019 | Sampler | Matt Trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 49.94 |
| Water Quality Meter | YSI | Gallons in Well | 1.63 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 59.92 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 53 |
| Water Column in | 9.98 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 12:37 | MS/MSD Sample Time | 16:23 |
| Sample ID | MW-G-57-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-934-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 12:47 | Purge Date | 12/02/2019 |
| Single Filter Turbidity | 1 | ŭ | |
| Without Filter | 4 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:20 | 500 | 2000 | 29.7 | 7.47 | 5361 | 49.7 | 3.56 | 19 | 50.01 | 2.91 | 3.56 |
| 12:24 | 500 | 4000 | 29.7 | 7.49 | 5388 | 30.5 | 3.76 | 12 | 50.01 | 2.91 | 3.56 |
| 12:28 | 500 | 6000 | 29.9 | 7.52 | 5400 | 3.2 | 3.83 | 6 | 50.01 | 2.91 | 3.58 |
| 12:32 | 500 | 8000 | 29.9 | 30.0 | 5413 | -18.3 | 3.87 | 4 | 50.01 | 2.91 | 3.59 |
| 12:36 | 500 | 10000 | 30.0 | 7.55 | 5421 | -34.8 | 3.90 | 4 | 50.01 | 2.91 | 3.61 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Χ | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | Х | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-80-082

| Date | 12/02/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 49.89 |
| Water Quality Meter | YSI | Gallons in Well | 5.61 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 84.30 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 73 |
| Water Column in | 34.41 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 13:34 | MS/MSD Sample Time | |
| Sample ID | MW-G-82-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/02/2019 |

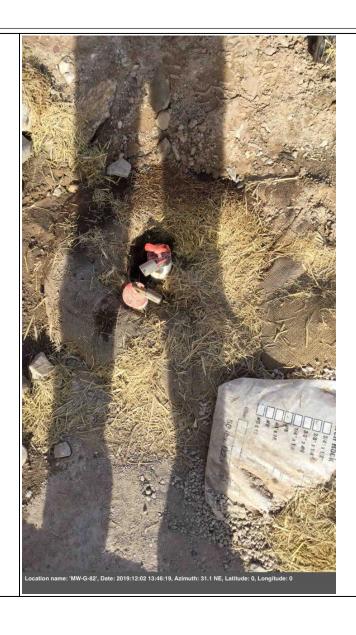
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:17 | 500 | 2000 | 29.8 | 7.47 | 9311 | -78.2 | 3.25 | 18 | 49.99 | 5.24 | 6.11 |
| 13:21 | 500 | 4000 | 29.8 | 7.47 | 9338 | -77.3 | 3.28 | 12 | 49.99 | 5.24 | 6.11 |
| 13:25 | 500 | 6000 | 29.9 | 7.46 | 9365 | -76.7 | 3.31 | 8 | 49.99 | 5.24 | 6.11 |
| 13:29 | 500 | 8000 | 29.9 | 7.45 | 9388 | -75.6 | 3.33 | 4 | 49.99 | 5.24 | 6.11 |
| 13:33 | 500 | 10000 | 29.9 | 7.45 | 9412 | -75.0 | 3.35 | 4 | 49.99 | 5.23 | 6.11 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Х | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-83-245

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 75.70 |
| Water Quality Meter | YSI | _ Gallons in Well | 27.71 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 245.60 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 240 |
| Water Column in | 169.90 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 12:00 | MS/MSD Sample Time | |
| Sample ID | MW-L-245-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-935-Q419 | - Post Sampling Turbidity | |
| Dup Sample Time | 12:10 | - Purge Date | 12/11/2019 |
| Single Filter Turbidity | 1 | _ | |
| Without Filter | 3 | _ | |

Field Parameters

Turbidity

| r rora r ara | | | | | | | | | | | |
|--------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 11:43 | 500 | 2000 | 29.7 | 7.67 | 19808 | -180.6 | 1.43 | 3 | 75.76 | 12.21 | 12.70 |
| 11:47 | 500 | 4000 | 29.8 | 7,70 | 19832 | -190.7 | 0.89 | 3 | 75.76 | 12.23 | 12.71 |
| 11:51 | 500 | 6000 | 30.0 | 7.73 | 19843 | -194.0 | 0.65 | 3 | 75.76 | 12.23 | 12.72 |
| 11:55 | 500 | 8000 | 30.0 | 7.74 | 19904 | -198.8 | 0.60 | 3 | 75.76 | 12.24 | 12.74 |
| 11:59 | 500 | 10000 | 30.0 | 7.77 | 19932 | -197.8 | 0.49 | 3 | 75.76 | 12.24 | 12.74 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |





Project Number: RC000753.0801

MW-83-90

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|---|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 75.12 |
| Water Quality Meter | YSI | _ Gallons in Well | 2.62 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 91.16 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 80 |
| Water Column in | 16.04 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 14:20 | MS/MSD Sample Time | |
| Sample ID | MW-L-90-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:03 | 500 | 2000 | 30.0 | 7.70 | 2156 | 180.8 | 5.23 | 8 | 75.19 | 0.78 | 1.44 |
| 14:07 | 500 | 4000 | 30.1 | 7.74 | 2187 | 184.8 | 5.08 | 4 | 75.19 | 0.78 | 1.44 |
| 14:11 | 500 | 6000 | 30.3 | 7.76 | 2203 | 190.6 | 4.89 | 3 | 75.19 | 0.78 | 1.44 |
| 14:15 | 500 | 8000 | 30.3 | 7.77 | 2234 | 193.4 | 4.67 | 3 | 75.19 | 0.78 | 1.44 |
| 14:19 | 500 | 10000 | 30.3 | 7.77 | 2243 | 195.8 | 4.56 | 3 | 75.19 | 0.78 | 1.44 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |



Project Number: RC000753.0801

MW-83-180

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 75.18 |
| Water Quality Meter | YSI | Gallons in Well | 17.21 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 180.70 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 105.52 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 13:40 | MS/MSD Sample Time | |
| Sample ID | MW-L-180-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:23 | 500 | 2000 | 29.9 | 7.33 | 11463 | 33.8 | 2.28 | 5 | 75.23 | 6.90 | 7.33 |
| 13:27 | 500 | 4000 | 30.1 | 7.35 | 11479 | 15.8 | 1.89 | 4 | 75.23 | 6.92 | 7.34 |
| 13:31 | 500 | 6000 | 30.1 | 7.37 | 11498 | 8.4 | 1.67 | 3 | 75.23 | 6.93 | 7.34 |
| 13:35 | 500 | 8000 | 30.1 | 7.38 | 11521 | -2.8 | 1.44 | 4 | 75.23 | 6.94 | 7.35 |
| 13:39 | 500 | 10000 | 30.1 | 7.40 | 11532 | -10.1 | 1.35 | 4 | 75.23 | 6.94 | 7.35 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |



Project Number: RC000753.0801

MW-83-225

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 75.74 |
| Water Quality Meter | YSI | Gallons in Well | 24.23 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 224.30 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 215 |
| Water Column in | 148.56 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 12:49 | MS/MSD Sample Time | |
| Sample ID | MW-L-225-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:32 | 500 | 2000 | 29.5 | 7.61 | 16290 | 158.4 | 1.88 | 5 | 75.79 | 10.02 | 10.40 |
| 12:36 | 500 | 4000 | 29.7 | 7.63 | 16307 | 144.8 | 1.44 | 3 | 75.79 | 10.03 | 10.42 |
| 12:40 | 500 | 6000 | 29.7 | 7.64 | 16435 | 138.9 | 1.15 | 3 | 75.79 | 10.05 | 10.44 |
| 12:44 | 500 | 8000 | 29.8 | 7.65 | 16442 | 138.9 | 1.12 | 3 | 75.79 | 10.05 | 10.44 |
| 12:48 | 500 | 10000 | 29.7 | 7.70 | 16512 | 133.5 | 0.93 | 3 | 75.79 | 10.05 | 10.44 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-85-129

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 115.88 |
| Water Quality Meter | YSI | Gallons in Well | 2.48 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 131.10 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 123 |
| Water Column in | 15.22 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 12:34 | MS/MSD Sample Time | |
| Sample ID | MW-N-129-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:17 | 500 | 2000 | 30.2 | 7.46 | 2092 | 86.9 | 5.73 | 62 | 115.96 | 1.06 | 1.36 |
| 12:21 | 500 | 4000 | 30.4 | 7.43 | 2099 | 88.0 | 5.67 | 23 | 115.96 | 1.06 | 1.36 |
| 12:25 | 500 | 6000 | 30.4 | 7.42 | 2097 | 89.6 | 5.69 | 9 | 115.96 | 1.06 | 1.36 |
| 12:29 | 500 | 8000 | 30.5 | 7.42 | 2097 | 89.9 | 5.71 | 9 | 115.96 | 1.06 | 1.36 |
| 12:33 | 500 | 10000 | 30.5 | 7.42 | 2096 | 90.1 | 5.72 | 9 | 115.96 | 1.06 | 1.36 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings



32 / 409



Project Number: RC000753.0801

MW-85-217

| Date | 12/11/2019 | _ Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | _ Color | Green |
| Purge Method | Low Flow | _ Casing Volume to Remove | |
| Purge Volume Units | MI | _ Depth to Water (ft bmp) | 115.18 |
| Water Quality Meter | YSI | _ Gallons in Well | 16.7 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 217.55 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | _ Pump Intake Depth (ft bmp) | 207 |
| Water Column in | 102.37 | _ Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 11:54 | MS/MSD Sample Time | |
| Sample ID | MW-N-217-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:33 | 500 | 2000 | 29.3 | 7.80 | 13047 | 26.9 | 0.36 | 38 | 115.32 | 7.46 | 8.47 |
| 11:37 | 500 | 4000 | 29.6 | 7.78 | 13004 | 19.6 | 0.29 | 23 | 115.32 | 7.42 | 8.45 |
| 11:41 | 500 | 6000 | 29.7 | 7.78 | 13011 | 18.3 | 0.26 | 11 | 115.32 | 7.42 | 8.45 |
| 11:45 | 500 | 8000 | 29.7 | 7.76 | 13017 | 18.0 | 0.25 | 9 | 115.32 | 7.42 | 8.45 |
| 11:49 | 500 | 10000 | 29.8 | 7.76 | 13020 | 17.7 | 0.25 | 8 | 115.32 | 7.42 | 8.45 |
| 11:53 | 500 | 12000 | 29.8 | 7.76 | 13022 | 17.6 | 0.25 | 8 | 115.32 | 7.42 | 8.45 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-85-237

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Green |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 115.26 |
| Water Quality Meter | YSI | Gallons in Well | 19.98 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 237.76 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 231 |
| Water Column in | 122.5 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 11:10 | MS/MSD Sample Time | |
| Sample ID | MW-N-237-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:49 | 500 | 2000 | 28.4 | 7.86 | 15470 | 30.9 | 0.38 | 47 | 115.39 | 8.99 | 10.08 |
| 10:53 | 500 | 4000 | 28.8 | 7.83 | 16484 | 25.6 | 0.39 | 32 | 115.39 | 9.75 | 10.89 |
| 10:57 | 500 | 6000 | 29.1 | 7.80 | 17876 | 23.3 | 0.36 | 16 | 115.39 | 10.53 | 11.68 |
| 11:01 | 500 | 8000 | 29.2 | 7.79 | 18068 | 22.9 | 0.36 | 9 | 115.39 | 10.63 | 11.75 |
| 11:05 | 500 | 10000 | 29.2 | 7.79 | 18138 | 22.6 | 0.35 | 8 | 115.39 | 10.63 | 11.75 |
| 11:09 | 500 | 12000 | 29.2 | 7.78 | 18154 | 22.1 | 0.35 | 8 | 115.39 | 10.63 | 11.75 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-90-031

| Date | 12/09/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 6.35 |
| Water Quality Meter | YSI | Gallons in Well | 3.91 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 30.30 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 28 |
| Water Column in | 23.95 | Total Volume to Remove | 3.91 |
| Well | | EB Sample ID | Eb-715-q419 |
| Did Well Dewater? | No | EB Time | 15:10 |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 15:04 | MS/MSD Sample Time | |
| Sample ID | MW-W-31-Q419 | Double Filter Turbidity | 2 |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:47 | 500 | 2000 | 24.8 | 7.18 | 14746 | -116.0 | 0.19 | 19 | 6.44 | 8.64 | 9.65 |
| 14:51 | 500 | 4000 | 24.8 | 7.13 | 14866 | -118.2 | 0.18 | 15 | 6.44 | 8.64 | 9.65 |
| 14:55 | 500 | 6000 | 25.0 | 7.10 | 14912 | -120.2 | 0.11 | 15 | 6.44 | 8.64 | 9.65 |
| 14:59 | 500 | 8000 | 25.0 | 7.09 | 14922 | -121.5 | 0.12 | 15 | 6.44 | 8.64 | 9.65 |
| 15:03 | 500 | 10000 | 25.0 | 7.08 | 14932 | -122.0 | 0.16 | 15 | 6.44 | 8.64 | 9.65 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | | Х | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |



Project Number: RC000753.0801

MW-75-117

| Date | 12/02/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|---------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.64 |
| Water Quality Meter | YSI | Gallons in Well | 16.06 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 118.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 107 |
| Water Column in | 98.47 | Total Volume to Remove | 16.06 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | MW-B-117-1219 MSMSD |
| Sample Time | 12:49 | MS/MSD Sample Time | 12:49 |
| Sample ID | MW-B-117-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:32 | 500 | 2000 | 27.1 | 6.01 | 13283 | 260.7 | 0.27 | 12 | 19.88 | 7.61 | 8.63 |
| 12:36 | 500 | 4000 | 27.0 | 6.44 | 13251 | 253.8 | 0.24 | 9 | 19.88 | 7.61 | 8.59 |
| 12:40 | 500 | 6000 | 27.1 | 6.48 | 13230 | 247.1 | 0.22 | 8 | 19.88 | 7.60 | 8.59 |
| 12:44 | 500 | 8000 | 27.1 | 6.52 | 13208 | 237.4 | 0.20 | 8 | 19.88 | 7.58 | 8.59 |
| 12:48 | 500 | 10000 | 27.1 | 6.56 | 13228 | 235.0 | 0.19 | 8 | 19.88 | 7.57 | 8.59 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| | Item | Yes | No | NA | Notes |
|----------|-----------|-----|----|----|-------|
| Action C | ompleted? | | | X | |





Project Number: RC000753.0801

MW-75-033

| Date | 12/02/2019 | Sampler | Reggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.62 |
| Water Quality Meter | YSI | Gallons in Well | 2.36 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 34.08 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 25.5 |
| Water Column in | 14.46 | Total Volume to Remove | 2.36 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 13:39 | MS/MSD Sample Time | |
| Sample ID | MW-B-33-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:22 | 500 | 2000 | 27.1 | 7.00 | 4049 | 206.5 | 1.82 | 48.5 | 19.88 | 2.13 | 2.63 |
| 13:26 | 500 | 4000 | 27.1 | 7.05 | 4044 | 200.4 | 1.85 | 25.4 | 19.88 | 2.14 | 2.63 |
| 13:30 | 500 | 6000 | 27.2 | 7.08 | 4069 | 196.3 | 1.88 | 15 | 19.88 | 2.13 | 2.64 |
| 13:34 | 500 | 8000 | 27.2 | 7.11 | 4046 | 193.6 | 1.88 | 15 | 19.88 | 2.13 | 2.63 |
| 13:38 | 500 | 10000 | 27.2 | 7.13 | 4053 | 190.8 | 1.90 | 15 | 19.88 | 2.13 | 2.63 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-10D

| Date | 12/18/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | _ Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 76.11 |
| Water Quality Meter | YSI | Gallons in Well | 8.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 127.45 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 115 |
| Water Column in | 51.34 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 11:34 | MS/MSD Sample Time | |
| Sample ID | MW-10D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:17 | 500 | 2000 | 28.4 | 7.68 | 4164 | 69.0 | 1.47 | 53 | 76.23 | 2.20 | 2.71 |
| 11:21 | 500 | 4000 | 29.2 | 7.66 | 4237 | 65.7 | 1.48 | 31 | 76.23 | 2.23 | 2.74 |
| 11:25 | 500 | 6000 | 29.3 | 7.66 | 4252 | 65.0 | 1.44 | 10 | 76.23 | 2.23 | 2.76 |
| 11:29 | 500 | 8000 | 29.3 | 7.66 | 4255 | 64.9 | 1.44 | 9 | 76.23 | 2.23 | 2.76 |
| 11:33 | 500 | 10000 | 29.3 | 7.66 | 4256 | 64.3 | 1.43 | 9 | 76.23 | 2.23 | 2.76 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-89-183

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 131.60 |
| Water Quality Meter | YSI | Gallons in Well | 8.64 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 184.57 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 173 |
| Water Column in | 52.97 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 09:44 | MS/MSD Sample Time | |
| Sample ID | MW-U-183-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:27 | 500 | 2000 | 28.9 | 6.24 | 7480 | 200.3 | 2.82 | 15 | 131.83 | 4.12 | 4.79 |
| 09:31 | 500 | 4000 | 29.1 | 6.27 | 7502 | 193.8 | 2.66 | 8 | 131.83 | 4.12 | 4.79 |
| 09:35 | 500 | 6000 | 29.2 | 6.29 | 7532 | 190.6 | 2.59 | 3 | 131.83 | 4.14 | 4.86 |
| 09:39 | 500 | 8000 | 29.4 | 6.30 | 7587 | 187.9 | 2.50 | 3 | 131.83 | 4.15 | 4.83 |
| 09:43 | 500 | 10000 | 29.4 | 6.30 | 7608 | 86.7 | 2.56 | 3 | 131.83 | 4.14 | 4.87 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-89-273

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 131.60 |
| Water Quality Meter | YSI | Gallons in Well | 23.26 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 274.18 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 263 |
| Water Column in | 142.58 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 10:34 | MS/MSD Sample Time | |
| Sample ID | MW-U-273-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:17 | 500 | 2000 | 28.8 | 6.83 | 7450 | 174.8 | 3.44 | 3 | 131.80 | 4.18 | 4.79 |
| 10:21 | 500 | 4000 | 28.9 | 6.87 | 7468 | 186.9 | 3.22 | 3 | 131.80 | 4.18 | 4.79 |
| 10:25 | 500 | 6000 | 30.1 | 6.92 | 7489 | 194.3 | 3.10 | 3 | 131.80 | 4.20 | 4.80 |
| 10:29 | 500 | 8000 | 30.0 | 6.94 | 7504 | 201.8 | 3.08 | 3 | 131.80 | 4.19 | 4.82 |
| 10:33 | 500 | 10000 | 30.0 | 6.97 | 7523 | 209.5 | 3.03 | 3 | 131.80 | 4.20 | 4.79 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-84-057

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 45.79 |
| Water Quality Meter | YSI | Gallons in Well | 2.17 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 59.12 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 51 |
| Water Column in | 13.33 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-720-Q419 |
| Did Well Dewater? | No | EB Time | 15:45 |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 15:24 | MS/MSD Sample Time | |
| Sample ID | MW-M-57-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:06 | 500 | 2000 | 29.5 | 7.60 | 1881 | 68.9 | 5.51 | 96 | 45.89 | 0.96 | 1.22 |
| 15:11 | 500 | 4000 | 29.5 | 7.63 | 1882 | 69.0 | 5.49 | 37 | 45.89 | 0.95 | 1.22 |
| 15:15 | 500 | 6000 | 29.5 | 7.63 | 1883 | 70.3 | 5.41 | 9 | 45.89 | 0.95 | 1.22 |
| 15:19 | 500 | 8000 | 29.5 | 7.63 | 1883 | 71.0 | 5.40 | 8 | 45.89 | 0.95 | 1.22 |
| 15:23 | 500 | 10000 | 29.5 | 7.64 | 1884 | 71.5 | 5.38 | 8 | 45.89 | 0.95 | 1.22 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings

QNOPY



Project Number: RC000753.0801

MW-84-095

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 45.80 |
| Water Quality Meter | YSI | Gallons in Well | 8.02 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 94.98 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 49.18 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 15:09 | MS/MSD Sample Time | |
| Sample ID | MW-M-95-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:52 | 500 | 2000 | 29.0 | 6.80 | 5750 | -33.8 | 2.23 | 31 | 45.96 | 2.96 | 3.68 |
| 14:56 | 500 | 4000 | 29.3 | 6.83 | 5762 | -36.9 | 1.96 | 18 | 45.96 | 2.96 | 3.68 |
| 15:00 | 500 | 6000 | 29.4 | 6.85 | 5768 | -39.6 | 1.74 | 12 | 45.96 | 2.96 | 3.68 |
| 15:04 | 500 | 8000 | 29.4 | 6.86 | 5779 | -41.8 | 1.56 | 10 | 45.96 | 2.96 | 3.68 |
| 15:08 | 500 | 10000 | 29.5 | 6.86 | 5779 | -43.7 | 1.44 | 9 | 45.96 | 2.96 | 3.68 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |



Project Number: RC000753.0801

MW-84-132

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 46.32 |
| Water Quality Meter | YSI | Gallons in Well | 14.29 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 133.92 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 122 |
| Water Column in | 87.6 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 14:46 | MS/MSD Sample Time | |
| Sample ID | MW-M-132-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:29 | 500 | 2000 | 29.7 | 7.50 | 9159 | 5.9 | 0.20 | 29 | 46.43 | 5.09 | 5.90 |
| 14:33 | 500 | 4000 | 29.8 | 7.53 | 9077 | -3.9 | 0.22 | 12 | 46.43 | 5.04 | 5.90 |
| 14:37 | 500 | 6000 | 29.8 | 7.53 | 9069 | -5.3 | 0.22 | 9 | 46.43 | 5.04 | 5.90 |
| 14:41 | 500 | 8000 | 29.9 | 7.53 | 9039 | -6.2 | 0.21 | 8 | 46.43 | 5.02 | 5.89 |
| 14:45 | 500 | 10000 | 29.9 | 7.53 | 9038 | -6.6 | 0.21 | 8 | 46.43 | 5.02 | 5.89 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-84-193

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 46.16 |
| Water Quality Meter | YSI | Gallons in Well | 24.11 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 193.96 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 183 |
| Water Column in | 147.8 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 14:06 | MS/MSD Sample Time | |
| Sample ID | MW-M-193-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 25 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:49 | 500 | 2000 | 29.4 | 7.89 | 13323 | 30.9 | 0.71 | 56 | 46.30 | 7.63 | 8.66 |
| 13:53 | 500 | 4000 | 29.5 | 7.86 | 13337 | 33.8 | 0.65 | 31 | 46.30 | 7.64 | 8.67 |
| 13:57 | 500 | 6000 | 29.5 | 7.85 | 13333 | 34.1 | 0.62 | 26 | 46.30 | 7.64 | 8.65 |
| 14:01 | 500 | 8000 | 29.5 | 7.83 | 13306 | 34.3 | 0.60 | 25 | 46.30 | 7.60 | 8.63 |
| 14:05 | 500 | 10000 | 29.5 | 7.83 | 13304 | 35.0 | 0.60 | 25 | 46.30 | 7.60 | 8.63 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-87-192

| Date | 12/11/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 92.00 |
| Water Quality Meter | YSI | Gallons in Well | 16.39 |
| Sampling Type | Low Flow - Grundfos RF2 | Measured Well Depth (ft bmp) | 192.51 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 182 |
| Water Column in | 100.51 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | —— EB Time | |
| Sample Date | 12/11/2019 | —— MS/MSD Sample ID | |
| Sample Time | 08:30 | MS/MSD Sample Time | |
| Sample ID | MW-R-192-Q419 | — Double Filter Turbidity | |
| Single Filter Turbidity | 1 | —— Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | —— Purge Date | 12/11/2019 |

Field Parameters

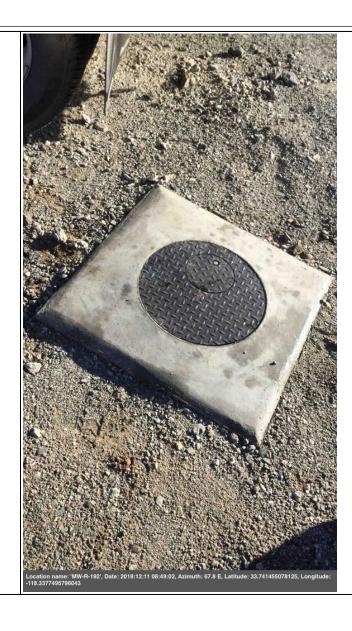
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:13 | 500 | 2000 | 29.2 | 8.40 | 9128 | -58.8 | 0.86 | 5 | 92.11 | 5.23 | 5.84 |
| 08:17 | 500 | 4000 | 29.4 | 8.44 | 9204 | -73.8 | 0.66 | 3 | 92.11 | 5.23 | 5.84 |
| 08:21 | 500 | 6000 | 29.5 | 8.46 | 9278 | -75.8 | 0.49 | 3 | 92.11 | 5.24 | 5.87 |
| 08:25 | 500 | 8000 | 29.5 | 8.47 | 9320 | -78.9 | 0.44 | 3 | 92.11 | 5.24 | 5.87 |
| 08:29 | 500 | 10000 | 29.4 | 8.47 | 9344 | -80.9 | 0.40 | 3 | 92.11 | 5.26 | 5.88 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |

Photos and Drawings



58 / 409





Project Number: RC000753.0801

MW-87-275

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.80 |
| Water Quality Meter | YSI | Gallons in Well | 30.08 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 276.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 265 |
| Water Column in | 184.4 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 08:36 | MS/MSD Sample Time | |
| Sample ID | MW-R-275-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 12/11/2019 |

Field Parameters

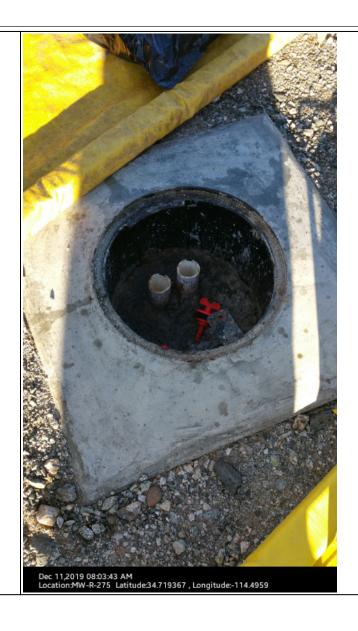
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:15 | 500 | 2000 | 29.1 | 7.76 | 11375 | 21.9 | 0.40 | 16 | 91.90 | 6.44 | 7.41 |
| 08:19 | 500 | 4000 | 29.2 | 7.79 | 11405 | 17.6 | 0.45 | 9 | 91.90 | 6.47 | 7.41 |
| 08:23 | 500 | 6000 | 29.3 | 7.73 | 11416 | 15.0 | 0.48 | 7 | 91.90 | 6.48 | 7.42 |
| 08:27 | 500 | 8000 | 29.3 | 7.72 | 11419 | 12.6 | 0.50 | 6 | 91.90 | 6.45 | 7.43 |
| 08:31 | 500 | 10000 | 29.5 | 7.72 | 11422 | 11.5 | 0.49 | 6 | 91.90 | 6.45 | 7.43 |
| 08:35 | 500 | 12000 | 29.5 | 7.72 | 11425 | 11.3 | 0.49 | 6 | 91.90 | 6.45 | 7.43 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Χ | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-87-109

| Date | 12/02/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.41 |
| Water Quality Meter | YSI | Gallons in Well | 3.21 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 111.12 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 99 |
| Water Column in | 19.71 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 15:22 | MS/MSD Sample Time | |
| Sample ID | MW-R-109-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:01 | 300 | 1200 | 25.8 | 7.49 | 2290 | 95.6 | 5.26 | 31 | 91.50 | 1.17 | 1.48 |
| 15:05 | 300 | 2400 | 25.9 | 7.48 | 2274 | 96.1 | 5.11 | 23 | 91.50 | 1.16 | 1.47 |
| 15:09 | 300 | 3600 | 25.9 | 7.48 | 2271 | 96.3 | 5.05 | 18 | 91.50 | 1.16 | 1.47 |
| 15:13 | 300 | 4800 | 25.9 | 7.48 | 2270 | 96.9 | 5.03 | 16 | 91.50 | 1.16 | 1.47 |
| 15:17 | 300 | 6000 | 25.9 | 7.47 | 2268 | 97.3 | 5.01 | 15 | 91.50 | 1.16 | 1.47 |
| 15:21 | 300 | 7200 | 25.9 | 7.47 | 2268 | 97.6 | 5.03 | 15 | 91.50 | 1.16 | 1.47 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-87-139

| Date | 12/02/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.39 |
| Water Quality Meter | YSI | Gallons in Well | 8.12 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 141.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 134 |
| Water Column in | 49.81 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-792-Q419 |
| Did Well Dewater? | No | EB Time | 16:30 |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 16:12 | MS/MSD Sample Time | |
| Sample ID | MW-R-139-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:47 | 100 | 400 | 21.7 | 7.29 | 7219 | 92.4 | 1.86 | 19 | 91.42 | 3.99 | 4.71 |
| 15:51 | 100 | 800 | 21.7 | 7.31 | 7245 | 92.9 | 1.90 | 11 | 91.42 | 4.00 | 4.72 |
| 15:55 | 100 | 1200 | 21.7 | 7.31 | 7249 | 93.6 | 1.92 | 8 | 91.42 | 4.00 | 4.72 |
| 15:59 | 100 | 1600 | 21.7 | 7.32 | 7253 | 94.0 | 1.95 | 7 | 91.42 | 4.01 | 4.72 |
| 16:03 | 100 | 2000 | 21.7 | 7.32 | 7255 | 94.9 | 1.96 | 7 | 91.42 | 4.01 | 4.72 |
| 16:07 | 100 | 2400 | 21.7 | 7.32 | 7256 | 95.2 | 1.96 | 7 | 91.42 | 4.01 | 4.72 |
| 16:11 | 100 | 2800 | 21.7 | 7.32 | 7256 | 95.6 | 1.97 | 7 | 91.42 | 4.01 | 4.72 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-86-140

| Date | 12/06/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 15.59 |
| Water Quality Meter | YSI | Gallons in Well | 20.81 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 143.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 135 |
| Water Column in | 127.61 | Total Volume to Remove | 20.81 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 08:15 | MS/MSD Sample Time | |
| Sample ID | MW-O-140-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:58 | 500 | 2000 | 21.4 | 7.58 | 12379 | -222.0 | 0.30 | 5 | 15.65 | 7.11 | 8.05 |
| 08:02 | 500 | 4000 | 21.5 | 7.62 | 15611 | -233.6 | 0.26 | 5 | 15.65 | 8.98 | 10.02 |
| 08:06 | 500 | 6000 | 21.7 | 7.55 | 15714 | -234.8 | 0.22 | 5 | 15.65 | 9.20 | 10.22 |
| 08:10 | 500 | 8000 | 21.8 | 7.53 | 15765 | -236.6 | 0.21 | 5 | 15.65 | 9.20 | 10.22 |
| 08:14 | 500 | 10000 | 21.8 | 7.50 | 15792 | -233.5 | 0.20 | 5 | 15.65 | 9.20 | 10.22 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-86-120

| Date | 12/06/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 15.81 |
| Water Quality Meter | YSI | Gallons in Well | 17.53 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 123.27 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 118 |
| Water Column in | 107.46 | Total Volume to Remove | 17.53 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 08:52 | MS/MSD Sample Time | |
| Sample ID | MW-O-120-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|-------------------------|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | or gal/ min) | | | | | | | | | | |
| 08:31 | 500 | 2000 | 20.6 | 7.21 | 12218 | -135.0 | 0.32 | 2 | 15.90 | 7.02 | 7.96 |
| 08:35 | 500 | 4000 | 20.8 | 7.20 | 12492 | -136.8 | 0.25 | 2 | 15.90 | 7.18 | 8.12 |
| 08:39 | 500 | 6000 | 20.6 | 7.19 | 12565 | -137.4 | 0.24 | 2 | 15.90 | 7.23 | 8.17 |
| 08:43 | 500 | 8000 | 21.0 | 7.18 | 12557 | -137.1 | 0.17 | 2 | 15.90 | 7.22 | 8.16 |
| 08:47 | 500 | 10000 | 21.5 | 7.17 | 12633 | -138.0 | 0.15 | 2 | 15.90 | 7.22 | 8.16 |
| 08:51 | 500 | 12000 | 21.5 | 7.17 | 12644 | -138.5 | 0.13 | 2 | 15.90 | 7.22 | 8.16 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-86-066

| Date | 12/06/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 15.48 |
| Water Quality Meter | YSI | _ Gallons in Well | 8.77 |
| Sampling Type | Low Flow – Grundfos RF2 | _ Measured Well Depth (ft bmp) | 69.23 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 62 |
| Water Column in | 53.75 | _ Total Volume to Remove | 8.77 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 09:24 | MS/MSD Sample Time | |
| Sample ID | MW-O-66-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | - Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:07 | 500 | 2000 | 20.6 | 7.69 | 6943 | -164.9 | 0.22 | 2 | 15.55 | 3.69 | 4.42 |
| 09:11 | 500 | 4000 | 20.5 | 7.65 | 7577 | -155.3 | 0.17 | 2 | 15.55 | 3.94 | 4.67 |
| 09:15 | 500 | 6000 | 20.5 | 7.60 | 7734 | -152.7 | 0.15 | 2 | 15.55 | 4.30 | 5.03 |
| 09:19 | 500 | 8000 | 20.4 | 7.61 | 7769 | -148.1 | 0.14 | 2 | 15.55 | 4.30 | 5.03 |
| 09:23 | 500 | 10000 | 20.4 | 7.61 | 7770 | -144.4 | 0.14 | 2 | 15.55 | 4.30 | 5.03 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-86-030

| Date | 12/06/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 15.04 |
| Water Quality Meter | YSI | Gallons in Well | 2.9 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 32.80 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 28 |
| Water Column in | 17.76 | Total Volume to Remove | 2.9 |
| Well | | EB Sample ID | Eb-709-q419 |
| Did Well Dewater? | No | EB Time | 10:03 |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 09:58 | MS/MSD Sample Time | |
| Sample ID | MW-O-30-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 11 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:37 | 500 | 2000 | 22.5 | 7.80 | 1350 | -152.4 | 0.28 | 15 | 15.14 | 0.67 | 0.87 |
| 09:41 | 500 | 4000 | 22.6 | 7.79 | 1339 | -153.4 | 0.25 | 10 | 15.14 | 0.67 | 0.87 |
| 09:45 | 500 | 6000 | 22.8 | 7.76 | 1326 | -154.8 | 0.22 | 10 | 15.14 | 0.67 | 0.87 |
| 09:49 | 500 | 8000 | 23.1 | 7.75 | 1332 | -155.8 | 0.19 | 10 | 15.14 | 0.67 | 0.87 |
| 09:53 | 500 | 10000 | 23.0 | 7.76 | 1352 | -158.0 | 0.18 | 10 | 15.14 | 0.67 | 0.87 |
| 09:57 | 500 | 12000 | 22.9 | 7.70 | 1360 | -160.2 | 0.16 | 11 | 15.14 | 0.67 | 0.87 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

71 / 409



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-76-218

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.22 |
| Water Quality Meter | YSI | Gallons in Well | 31.22 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 219.65 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 213 |
| Water Column in | 191.43 | Total Volume to Remove | 31.22 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 08:53 | MS/MSD Sample Time | |
| Sample ID | MW-C-218-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:36 | 500 | 2000 | 28.3 | 7.56 | 22738 | 176.6 | 0.27 | 8 | 28.50 | 13.63 | 14.75 |
| 08:40 | 500 | 4000 | 28.3 | 7.77 | 22723 | 126.7 | 0.21 | 6 | 28.50 | 13.65 | 14.78 |
| 08:44 | 500 | 6000 | 28.5 | 7.86 | 22663 | 112.4 | 0.14 | 5 | 28.50 | 13.67 | 14.70 |
| 08:48 | 500 | 8000 | 28.5 | 7.88 | 22609 | 106.9 | 0.13 | 5 | 28.50 | 13.66 | 14.69 |
| 08:52 | 500 | 10000 | 28.5 | 7.90 | 22666 | 100.3 | 0.14 | 5 | 28.50 | 13.66 | 14.69 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-76-181

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 29.00 |
| Water Quality Meter | YSI | Gallons in Well | 25.07 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 182.71 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 176 |
| Water Column in | 153.71 | Total Volume to Remove | 25.07 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 09:29 | MS/MSD Sample Time | |
| Sample ID | MW-C-181-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:12 | 500 | 2000 | 27.8 | 7.55 | 20234 | 124.1 | 0.21 | 5 | 29.11 | 12.04 | 13.14 |
| 09:16 | 500 | 4000 | 28.0 | 7.51 | 20247 | 115.6 | 0.16 | 5 | 29.11 | 12.05 | 13.17 |
| 09:20 | 500 | 6000 | 28.1 | 7.49 | 20112 | 109.3 | 0.19 | 4 | 29.11 | 12.02 | 13.16 |
| 09:24 | 500 | 8000 | 28.1 | 7.48 | 20169 | 99.6 | 0.21 | 4 | 29.11 | 12.02 | 13.12 |
| 09:28 | 500 | 10000 | 28.2 | 7.47 | 20155 | 93.5 | 0.22 | 4 | 29.11 | 12.02 | 13.12 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-76-156

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.61 |
| Water Quality Meter | YSI | Gallons in Well | 20.74 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 155.76 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 151 |
| Water Column in | 127.15 | Total Volume to Remove | 20.74 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 10:00 | MS/MSD Sample Time | |
| Sample ID | MW-C-156-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:43 | 500 | 2000 | 26.6 | 7.62 | 16649 | 116.0 | 0.27 | 7 | 28.77 | 9.74 | 10.80 |
| 09:47 | 500 | 4000 | 27.0 | 7.60 | 16663 | 109.9 | 0.21 | 6 | 28.77 | 9.76 | 10.84 |
| 09:51 | 500 | 6000 | 27.2 | 7.59 | 16609 | 99.5 | 0.18 | 6 | 28.77 | 9.71 | 10.80 |
| 09:55 | 500 | 8000 | 27.2 | 7.60 | 16624 | 92.4 | 0.16 | 6 | 28.77 | 9.71 | 10.80 |
| 09:59 | 500 | 10000 | 27.2 | 7.60 | 16630 | 90.0 | 0.15 | 6 | 28.77 | 9.71 | 10.80 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-76-039

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.14 |
| Water Quality Meter | YSI | Gallons in Well | 1.67 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 38.40 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 34 |
| Water Column in | 10.26 | Total Volume to Remove | 1.67 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 10:32 | MS/MSD Sample Time | |
| Sample ID | MW-C-39-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:15 | 500 | 2000 | 27.9 | 7.68 | 3106 | 111.3 | 3.32 | 39 | 28.30 | 1.61 | 2.02 |
| 10:19 | 500 | 4000 | 28.1 | 7.62 | 3119 | 113.8 | 3.35 | 16 | 28.30 | 1.56 | 1.96 |
| 10:23 | 500 | 6000 | 27.9 | 7.52 | 3188 | 115.4 | 2.47 | 15 | 28.30 | 1.62 | 2.02 |
| 10:27 | 500 | 8000 | 27.8 | 7.49 | 3224 | 114.6 | 2.35 | 15 | 28.30 | 1.68 | 2.09 |
| 10:31 | 500 | 10000 | 28.0 | 7.46 | 3238 | 114.0 | 2.15 | 15 | 28.30 | 1.68 | 2.09 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

79 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-75-337

| Date | 12/02/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 20.61 |
| Water Quality Meter | YSI | Gallons in Well | 51.85 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 338.50 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 327 |
| Water Column in | 317.89 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 12:52 | MS/MSD Sample Time | |
| Sample ID | MW-B-337-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-932-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 13:02 | Purge Date | 12/02/2019 |
| Single Filter Turbidity | 1 | 3 | |
| Without Filter | 2 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:23 | 500 | 2000 | 27.3 | 7.79 | 30719 | -30.4 | 0.16 | 29 | 20.75 | 19.00 | 19.96 |
| 12:27 | 500 | 4000 | 27.5 | 7.78 | 30707 | -39.9 | 0.14 | 11 | 20.75 | 19.01 | 19.97 |
| 12:31 | 500 | 6000 | 27.5 | 7.78 | 30754 | -43.9 | 0.14 | 5 | 20.75 | 19.01 | 19.98 |
| 12:35 | 500 | 8000 | 27.5 | 7.77 | 30734 | -47.9 | 0.13 | 3 | 20.75 | 19.01 | 19.98 |
| 12:39 | 500 | 10000 | 27.5 | 7.76 | 30712 | -47.0 | 0.13 | 2 | 20.75 | 19.01 | 19.98 |
| 12:43 | 500 | 12000 | 27.7 | 7.76 | 30742 | -49.9 | 0.12 | 2 | 20.75 | 19.01 | 19.98 |
| 12:47 | 500 | 14000 | 27.7 | 7.76 | 30749 | -53.0 | 0.12 | 2 | 20.75 | 19.01 | 19.98 |
| 12:51 | 500 | 16000 | 27.8 | 7.76 | 30751 | -53.6 | 0.13 | 2 | 20.75 | 19.01 | 19.98 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-82-112

| Date | 12/04/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 31.27 |
| Water Quality Meter | YSI | Gallons in Well | 13.59 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 114.60 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 105 |
| Water Column in | 83.33 | Total Volume to Remove | 13.59 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 10:15 | MS/MSD Sample Time | |
| Sample ID | MW-H-112-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:58 | 500 | 2000 | 25.1 | 7.52 | 8814 | 10.7 | 0.33 | 5 | 31.37 | 4.91 | 5.72 |
| 10:02 | 500 | 4000 | 25.2 | 7.51 | 8817 | -6.6 | 0.25 | 4 | 31.37 | 4.91 | 5.73 |
| 10:06 | 500 | 6000 | 24.8 | 7.50 | 8870 | -15.1 | 0.17 | 4 | 31.37 | 4.95 | 5.76 |
| 10:10 | 500 | 8000 | 24.9 | 7.50 | 8868 | -20.8 | 0.16 | 4 | 31.37 | 4.94 | 5.76 |
| 10:14 | 500 | 10000 | 25.0 | 7.49 | 8872 | -27.5 | 0.14 | 4 | 31.37 | 4.95 | 5.76 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

83 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-82-168

| Date | 12/04/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 31.44 |
| Water Quality Meter | YSI | Gallons in Well | 22.57 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 169.80 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 160 |
| Water Column in | 138.36 | Total Volume to Remove | 22.57 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 09:31 | MS/MSD Sample Time | |
| Sample ID | MW-H-168-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:14 | 500 | 2000 | 23.1 | 7.67 | 19090 | 95.6 | 4.34 | 6 | 31.60 | 11.35 | 12.41 |
| 09:18 | 500 | 4000 | 24.2 | 7.47 | 19377 | 84.3 | 0.92 | 5 | 31.60 | 11.54 | 12.62 |
| 09:22 | 500 | 6000 | 24.4 | 7.45 | 19516 | 75.5 | 0.67 | 5 | 31.60 | 11.62 | 12.68 |
| 09:26 | 500 | 8000 | 24.2 | 7.42 | 19523 | 72.1 | 0.60 | 5 | 31.60 | 11.63 | 12.68 |
| 09:30 | 500 | 10000 | 24.8 | 7.44 | 19530 | 69.5 | 0.66 | 5 | 31.60 | 11.63 | 12.68 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-82-198

| Date | 12/04/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 31.18 |
| Water Quality Meter | YSI | Gallons in Well | 27.45 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 199.45 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 190 |
| Water Column in | 168.27 | Total Volume to Remove | 27.45 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 08:45 | MS/MSD Sample Time | |
| Sample ID | MW-H-198-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/04/2019 |

Field Parameters

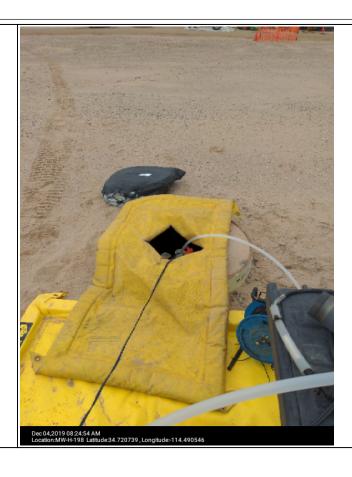
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:28 | 500 | 2000 | 19.2 | 7.89 | 15553 | 24.1 | 5.04 | 3 | 31.23 | 9.13 | 10.13 |
| 08:32 | 500 | 4000 | 22.7 | 7.86 | 19992 | 26.5 | 2.30 | 3 | 31.23 | 11.25 | 12.31 |
| 08:36 | 500 | 6000 | 22.9 | 7.90 | 20551 | 28.2 | 2.06 | 3 | 31.23 | 12.56 | 13.61 |
| 08:40 | 500 | 8000 | 23.0 | 7.97 | 20999 | 29.4 | 1.91 | 3 | 31.23 | 12.56 | 13.61 |
| 08:44 | 500 | 10000 | 23.2 | 8.00 | 21003 | 33.2 | 1.93 | 3 | 31.23 | 12.56 | 13.61 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-82-046

| Date | 12/04/2019 | Sampler | Riggie |
|-----------------------------|--------------------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 30.49 |
| Water Quality Meter | YSI | Gallons in Well | 2.55 |
| Sampling Type | Volume Purge – Hand Bail | Measured Well Depth (ft bmp) | 46.15 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 42 |
| Water Column in | 15.66 | Total Volume to Remove | 2.55 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 10:52 | MS/MSD Sample Time | |
| Sample ID | MW-H-46-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 33 | Purge Date | 12/04/2019 |

Field Parameters

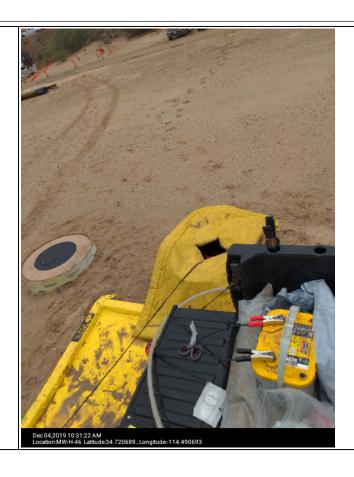
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:35 | 500 | 2000 | 25.4 | 7.33 | 9072 | -62.4 | 0.83 | 25 | 30.55 | 3.69 | 4.39 |
| 10:39 | 500 | 4000 | 25.3 | 7.10 | 9190 | -73.7 | 0.44 | 33 | 30.55 | 4.61 | 5.40 |
| 10:43 | 500 | 6000 | 25.3 | 7.07 | 9253 | -99.2 | 0.34 | 30 | 30.55 | 5.26 | 6.11 |
| 10:47 | 500 | 8000 | 25.4 | 7.06 | 9532 | -101.3 | 0.33 | 31 | 30.55 | 5.26 | 6.11 |
| 10:51 | 500 | 10000 | 25.5 | 7.05 | 9587 | -105.4 | 0.30 | 33 | 30.55 | 5.26 | 6.11 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-77-158

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.57 |
| Water Quality Meter | YSI | Gallons in Well | 21.31 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 158.24 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 150 |
| Water Column in | 130.67 | Total Volume to Remove | 21.31 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 12:39 | MS/MSD Sample Time | |
| Sample ID | MW-D-158-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:22 | 500 | 2000 | 24.5 | 7.76 | 19994 | 115.0 | 0.31 | 15 | 27.66 | 11.99 | 13.07 |
| 12:26 | 500 | 4000 | 24.8 | 7.72 | 20074 | 111.5 | 0.28 | 2 | 27.66 | 11.93 | 13.05 |
| 12:30 | 500 | 6000 | 25.0 | 7.68 | 20130 | 104.7 | 0.24 | 2 | 27.66 | 11.95 | 13.03 |
| 12:34 | 500 | 8000 | 25.3 | 7.65 | 20065 | 96.4 | 0.20 | 2 | 27.66 | 11.95 | 13.03 |
| 12:38 | 500 | 10000 | 25.5 | 7.63 | 20074 | 90.2 | 0.20 | 2 | 27.66 | 11.95 | 13.03 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-77-187

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.22 |
| Water Quality Meter | YSI | Gallons in Well | 26.08 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 187.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 480 |
| Water Column in | 159.89 | Total Volume to Remove | 26.08 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 12:06 | MS/MSD Sample Time | |
| Sample ID | MW-D-187-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:49 | 500 | 2000 | 25.6 | 8.09 | 23017 | 80.3 | 0.24 | 7 | 27.44 | 13.91 | 15.01 |
| 11:53 | 500 | 4000 | 25.4 | 8.18 | 23070 | 74.5 | 0.24 | 1 | 27.44 | 13.95 | 15.03 |
| 11:57 | 500 | 6000 | 25.6 | 8.20 | 23094 | 72.0 | 0.23 | 1 | 27.44 | 13.92 | 14.94 |
| 12:01 | 500 | 8000 | 25.7 | 8.21 | 23119 | 70.2 | 0.21 | 1 | 27.44 | 13.92 | 14.94 |
| 12:05 | 500 | 10000 | 25.8 | 8.22 | 23011 | 69.7 | 0.20 | 1 | 27.44 | 13.92 | 14.94 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-75-267

| Date | 12/02/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|---------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.65 |
| Water Quality Meter | YSI | Gallons in Well | 40.34,40.75 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 267.00,269.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 260 |
| Water Column in | 247.35,249.86 | Total Volume to Remove | 40.34,40.75 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 14:33 | MS/MSD Sample Time | |
| Sample ID | MW-B-267R-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:00 | 500 | 2000 | 26.7 | 7.25 | 24664 | -61.1 | 0.23 | 14 | 19.77 | 14.96 | 16.02 |
| 14:04 | 500 | 4000 | 26.8 | 7.28 | 24832 | -65.8 | 0.19 | 10 | 19.84 | 15.08 | 16.16 |
| 14:08 | 500 | 6000 | 26.8 | 7.27 | 24992 | -68.0 | 0.18 | 8 | 19.84 | 15.08 | 16.16 |
| 14:12 | 500 | 8000 | 27.0 | 7.24 | 25002 | -69.2 | 0.18 | 12 | 19.84 | 15.08 | 16.16 |
| 14:16 | 500 | 10000 | 27.1 | 7.22 | 25123 | -70.8 | 0.15 | 9 | 19.84 | 15.08 | 16.16 |
| 14:20 | 500 | 12000 | 27.2 | 7.20 | 25224 | -74.7 | 0.18 | 8 | 19.84 | 15.08 | 16.16 |
| 14:24 | 500 | 14000 | 27.3 | 7.21 | 25352 | -75.2 | 0.21 | 8 | 19.84 | 15.08 | 16.16 |
| 14:28 | 500 | 16000 | 27.5 | 7.22 | 25611 | -76.1 | 0.23 | 8 | 19.84 | 15.08 | 16.16 |
| 14:32 | 500 | 18000 | 27.4 | 7.20 | 25691 | -77.1 | 0.20 | 8 | 19.84 | 15.08 | 16.19 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | | | Х | |
| Erosion Around Wellhead? | | | Х | |
| Steel Casing Intact? | | | Х | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |
| Action Completed? | | | X | |

Photos and Drawings



96 / 409



Project Number: RC000753.0801

MW-75-202

| Date | 12/02/2019 | Sampler | |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.21 |
| Water Quality Meter | YSI | Gallons in Well | 30.19 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 204.31 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 195 |
| Water Column in | 185.1 | Total Volume to Remove | 30.19 |
| Well | | EB Sample ID | EB-794-Q419 |
| Did Well Dewater? | No | EB Time | 15:30 |
| Sample Date | 12/02/2019 | MS/MSD Sample ID | |
| Sample Time | 15:26 | MS/MSD Sample Time | |
| Sample ID | MW-B-202-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 5 | Post Sampling Turbidity | |
| Without Filter Turbidity | 10 | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:09 | 500 | 2000 | 25.8 | 7.36 | 16933 | -17.3 | 0.37 | 22 | 19.33 | 9.92 | 10.98 |
| 15:13 | 500 | 4000 | 26.5 | 7.30 | 17446 | -118.1 | 0.16 | 14 | 19.33 | 10.12 | 11.21 |
| 15:17 | 500 | 6000 | 26.8 | 7.31 | 17821 | -130.1 | 0.12 | 10 | 19.33 | 10.69 | 11.78 |
| 15:21 | 500 | 8000 | 26.9 | 7.34 | 18112 | -136.0 | 0.10 | 10 | 19.33 | 10.69 | 11.79 |
| 15:25 | 500 | 10000 | 27.0 | 7.33 | 18222 | -137.8 | 0.10 | 10 | 19.33 | 10.69 | 11.79 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | | X | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-77-102

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|---------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 27.35 |
| Water Quality Meter | YSI | Gallons in Well | 12.18 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 102.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 97 |
| Water Column in | 74.65 | Total Volume to Remove | 12.18 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | MW-D-102-1219 MSMSD |
| Sample Time | 11:29 | MS/MSD Sample Time | 11:29 |
| Sample ID | MW-D-102-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:12 | 500 | 2000 | 25.8 | 7.88 | 8362 | 96.9 | 0.19 | 18 | 27.50 | 4.61 | 5.39 |
| 11:16 | 500 | 4000 | 26.1 | 7.77 | 8347 | 99.8 | 0.13 | 9 | 27.50 | 4.62 | 5.42 |
| 11:20 | 500 | 6000 | 26.0 | 7.69 | 8333 | 98.2 | 0.13 | 5 | 27.50 | 4.64 | 5.42 |
| 11:24 | 500 | 8000 | 26.9 | 7.66 | 8315 | 93.3 | 0.14 | 5 | 27.50 | 4.64 | 5.42 |
| 11:28 | 500 | 10000 | 27.0 | 7.62 | 8320 | 90.2 | 0.14 | 5 | 27.50 | 4.64 | 5.42 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | X | | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project | Number |
|---------|----------|
| RC0007 | 753.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-92-102

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 8.21 |
| Water Quality Meter | YSI | Gallons in Well | 15.91 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 105.77 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 95 |
| Water Column in | 97.56 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 09:14 | MS/MSD Sample Time | |
| Sample ID | MW-Y-102-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:57 | 500 | 2000 | 25.8 | 7.83 | 3780 | -165.9 | 0.82 | 8 | 8.28 | 2.02 | 2.42 |
| 09:01 | 500 | 4000 | 25.8 | 7.83 | 3785 | -173.8 | 0.59 | 3 | 8.28 | 2.02 | 2.43 |
| 09:05 | 500 | 6000 | 25.8 | 7.85 | 3799 | -182.4 | 0.44 | 3 | 8.28 | 2.03 | 2.48 |
| 09:09 | 500 | 8000 | 25.8 | 7.86 | 3810 | -189.9 | 0.39 | 3 | 8.28 | 2.04 | 2.47 |
| 09:13 | 500 | 10000 | 25.8 | 7.87 | 3818 | -192.2 | 0.38 | 3 | 8.28 | 2.06 | 2.49 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project | Number |
|----------------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | X | | | |





Project Number: RC000753.0801

MW-92-122

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 8.68 |
| Water Quality Meter | YSI | Gallons in Well | 19.10 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 125.81 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 115 |
| Water Column in | 117.13 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 09:57 | MS/MSD Sample Time | |
| Sample ID | MW-Y-122-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:40 | 500 | 2000 | 26.4 | 7.84 | 14854 | -196.6 | 0.77 | 5 | 8.88 | 8.78 | 9.50 |
| 09:44 | 500 | 4000 | 26.6 | 7.86 | 14765 | -199.9 | 0.54 | 3 | 8.88 | 8.77 | 9.48 |
| 09:48 | 500 | 6000 | 26.6 | 7.87 | 14708 | -202.4 | 0.40 | 3 | 8.88 | 8.77 | 9.47 |
| 09:52 | 500 | 8000 | 26.7 | 7.88 | 14679 | -206.4 | 0.36 | 3 | 8.88 | 8.77 | 9.44 |
| 09:56 | 500 | 10000 | 26.7 | 7.90 | 14658 | -209.3 | 0.31 | 3 | 8.88 | 8.77 | 9.47 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | Х | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

103 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-92-072

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 7.77 |
| Water Quality Meter | YSI | Gallons in Well | 11.01 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 75.30 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 65 |
| Water Column in | 67.53 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 08:19 | MS/MSD Sample Time | |
| Sample ID | MW-Y-72-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:02 | 500 | 2000 | 26.6 | 7.73 | 2390 | -110.4 | 1.21 | 10 | 7.83 | 1.06 | 1.53 |
| 08:06 | 500 | 4000 | 26.6 | 7.74 | 2384 | -82.5 | 0.72 | 6 | 7.83 | 1.06 | 1.53 |
| 08:10 | 500 | 6000 | 26.7 | 7.70 | 2378 | -61.4 | 0.56 | 2 | 7.83 | 1.04 | 1.52 |
| 08:14 | 500 | 8000 | 26.7 | 7.70 | 2377 | -55.8 | 0.48 | 2 | 7.83 | 1.04 | 1.53 |
| 08:18 | 500 | 10000 | 26.6 | 7.70 | 2368 | -50.4 | 0.43 | 2 | 7.83 | 1.04 | 1.54 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-92-037

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 7.85 |
| Water Quality Meter | YSI | Gallons in Well | 5.35 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 40.64 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 30 |
| Water Column in | 32.79 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 07:28 | MS/MSD Sample Time | |
| Sample ID | MW-Y-37-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:11 | 500 | 2000 | 25.2 | 7.61 | 1773 | -180.2 | 0.87 | 8 | 7.87 | 0.76 | 1.13 |
| 07:15 | 500 | 4000 | 25.2 | 7.64 | 1780 | -186.7 | 0.62 | 5 | 7.87 | 0.76 | 1.13 |
| 07:19 | 500 | 6000 | 25.0 | 7.67 | 1784 | -199.6 | 0.44 | 2 | 7.87 | 0.77 | 1.14 |
| 07:23 | 500 | 8000 | 25.0 | 7.69 | 1790 | -204.8 | 0.34 | 2 | 7.87 | 0.77 | 1.14 |
| 07:27 | 500 | 10000 | 25.0 | 7.70 | 1794 | -208.7 | 0.29 | 2 | 7.87 | 0.77 | 1.14 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-77-046

| Date | 12/03/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 26.40 |
| Water Quality Meter | YSI | Gallons in Well | 3.32 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 46.77 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 41 |
| Water Column in | 20.37 | Total Volume to Remove | 3.32 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | 00:00 |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 13:17 | MS/MSD Sample Time | |
| Sample ID | MW-D-46R-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-933-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 13:27 | Purge Date | 12/03/2019 |
| Single Filter Turbidity | 4 | . <u>G</u> | |
| Without Filter | 12 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:00 | 500 | 2000 | 26.8 | 7.46 | 13725 | 0.4 | 0.15 | 39 | 26.63 | 7.92 | 8.93 |
| 13:04 | 500 | 4000 | 26.8 | 7.15 | 13703 | -9.6 | 0.17 | 12 | 26.63 | 7.88 | 8.90 |
| 13:08 | 500 | 6000 | 26.6 | 7.07 | 13593 | -12.2 | 0.20 | 12 | 26.63 | 7.76 | 8.76 |
| 13:12 | 500 | 8000 | 26.7 | 7.00 | 13599 | -18.8 | 0.18 | 12 | 26.63 | 7.76 | 8.76 |
| 13:16 | 500 | 10000 | 26.8 | 6.98 | 13666 | -24.5 | 0.22 | 12 | 26.63 | 7.76 | 8.76 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | | X | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | Х | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-91-045

| Date | 12/05/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.46 |
| Water Quality Meter | YSI | Gallons in Well | 5.61 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 46.87 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 40 |
| Water Column in | 34.41 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 08:18 | MS/MSD Sample Time | |
| Sample ID | MW-X-45-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/05/2019 |

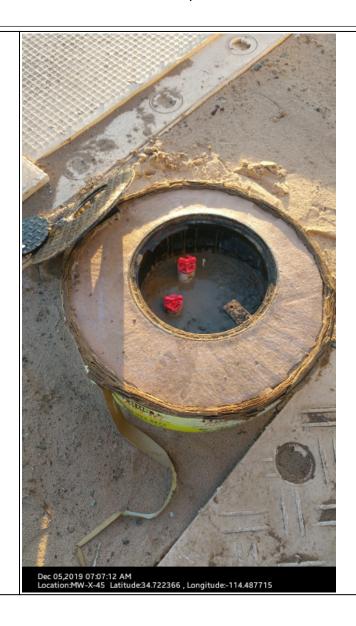
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:01 | 500 | 2000 | 25.8 | 7.89 | 3580 | 11.4 | 0.17 | 40 | 12.55 | 1.88 | 2.32 |
| 08:05 | 500 | 4000 | 25.8 | 7.85 | 3605 | -3.9 | 0.15 | 21 | 12.55 | 1.89 | 2.34 |
| 08:09 | 500 | 6000 | 25.9 | 7.83 | 3632 | -11.6 | 0.14 | 9 | 12.55 | 1.90 | 2.35 |
| 08:13 | 500 | 8000 | 25.9 | 7.82 | 3635 | -13.0 | 0.14 | 8 | 12.55 | 1.90 | 2.35 |
| 08:17 | 500 | 10000 | 25.9 | 7.82 | 3636 | -13.6 | 0.13 | 8 | 12.55 | 1.90 | 2.35 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-91-120

| Date | 12/05/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 11.98 |
| Water Quality Meter | YSI | Gallons in Well | 17.98 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 122.22 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 115 |
| Water Column in | 110.24 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 07:40 | MS/MSD Sample Time | |
| Sample ID | MW-X-120-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:23 | 500 | 2000 | 24.8 | 7.48 | 10338 | 39.1 | 0.26 | 29 | 12.06 | 5.86 | 6.72 |
| 07:27 | 500 | 4000 | 24.9 | 7.51 | 10356 | 32.6 | 0.24 | 9 | 12.06 | 5.86 | 6.74 |
| 07:31 | 500 | 6000 | 24.9 | 7.51 | 10359 | 30.5 | 0.24 | 5 | 12.06 | 5.86 | 6.74 |
| 07:35 | 500 | 8000 | 24.9 | 7.51 | 10361 | 30.1 | 0.22 | 5 | 12.06 | 5.86 | 6.74 |
| 07:39 | 500 | 10000 | 24.9 | 7.52 | 10363 | 29.5 | 0.22 | 5 | 12.06 | 5.86 | 6.74 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-91-170

| Date | 12/05/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|---------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 11.05 |
| Water Quality Meter | YSI | Gallons in Well | 26.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 172.71 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 160 |
| Water Column in | 161.66 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | MW-X-170-1219 MSMSD |
| Sample Time | 09:10 | MS/MSD Sample Time | 09:10 |
| Sample ID | MW-X-170-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/05/2019 |

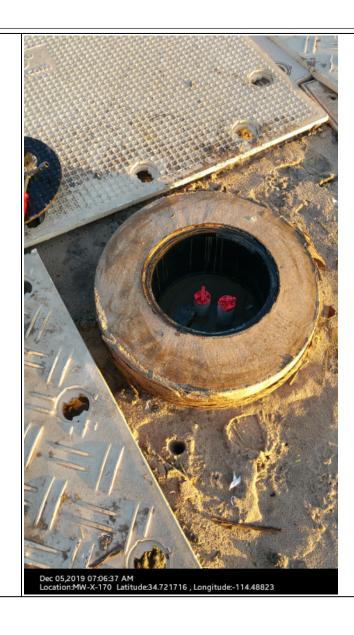
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:49 | 500 | 2000 | 24.5 | 8.10 | 12441 | -2.9 | 0.15 | 201 | 11.13 | 7.12 | 8.08 |
| 08:53 | 500 | 4000 | 24.6 | 8.09 | 12491 | -9.6 | 0.14 | 56 | 11.13 | 7.14 | 8.12 |
| 08:57 | 500 | 6000 | 24.5 | 8.09 | 12513 | -15.9 | 0.14 | 18 | 11.13 | 7.16 | 8.11 |
| 09:01 | 500 | 8000 | 24.5 | 8.08 | 12516 | -17.0 | 0.14 | 9 | 11.13 | 7.16 | 8.11 |
| 09:05 | 500 | 10000 | 24.5 | 8.08 | 12520 | -18.3 | 0.14 | 8 | 11.13 | 7.16 | 8.11 |
| 09:09 | 500 | 12000 | 24.5 | 8.07 | 12522 | -19.5 | 0.13 | 8 | 11.13 | 7.16 | 8.11 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-91-320

| Date | 12/05/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.80 |
| Water Quality Meter | YSI | Gallons in Well | 50.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 321.59 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 310 |
| Water Column in | 308.79 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 10:06 | MS/MSD Sample Time | |
| Sample ID | MW-X-320-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:41 | 500 | 2000 | 24.6 | 7.70 | 29332 | -29.6 | 0.14 | 3 | 12.89 | 18.14 | 19.11 |
| 09:45 | 500 | 4000 | 24.7 | 7.73 | 31424 | -35.9 | 0.12 | 2 | 12.89 | 19.58 | 20.44 |
| 09:49 | 500 | 6000 | 24.7 | 7.74 | 31488 | -41.6 | 0.12 | 2 | 12.89 | 19.60 | 20.46 |
| 09:53 | 500 | 8000 | 24.7 | 7.74 | 31506 | -53.6 | 0.12 | 2 | 12.89 | 19.59 | 20.46 |
| 09:57 | 500 | 10000 | 24.7 | 7.74 | 31511 | -58.6 | 0.11 | 2 | 12.89 | 19.59 | 20.46 |
| 10:01 | 500 | 12000 | 24.7 | 7.74 | 31513 | -60.3 | 0.11 | 2 | 12.89 | 19.59 | 20.46 |
| 10:05 | 500 | 14000 | 24.7 | 7.75 | 31510 | -61.5 | 0.12 | 2 | 12.89 | 19.59 | 20.46 |

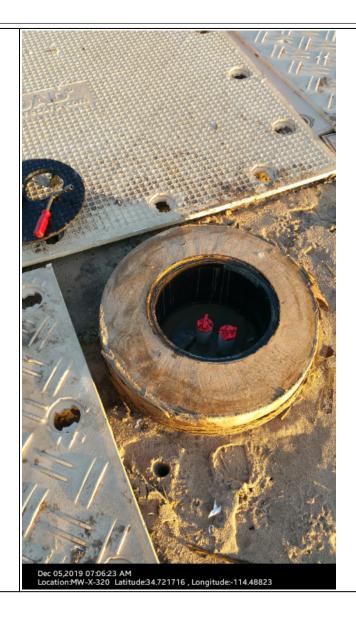
Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |

117 / 409



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-94-030

| Date | 12/12/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 14.11 |
| Water Quality Meter | YSI | Gallons in Well | 3.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 35.40 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 28 |
| Water Column in | 21.29 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 11:18 | MS/MSD Sample Time | |
| Sample ID | MW-94-30-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:01 | 500 | 2000 | 32.4 | 7.60 | 1383 | 47.9 | 1.38 | 55 | 14.19 | 0.68 | 0.89 |
| 11:05 | 500 | 4000 | 32.4 | 7.62 | 1379 | 44.1 | 1.63 | 23 | 14.19 | 0.68 | 0.89 |
| 11:09 | 500 | 6000 | 32.4 | 7.62 | 1385 | 43.0 | 1.52 | 9 | 14.19 | 0.68 | 0.89 |
| 11:13 | 500 | 8000 | 32.4 | 7.62 | 1386 | 42.6 | 1.55 | 8 | 14.19 | 0.68 | 0.89 |
| 11:17 | 500 | 10000 | 32.4 | 7.63 | 1382 | 41.5 | 1.56 | 8 | 14.19 | 0.68 | 0.89 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-94-100

| Date | 12/12/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 14.11 |
| Water Quality Meter | YSI | Gallons in Well | 14.87 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 105.30 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 95 |
| Water Column in | 91.19 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 10:44 | MS/MSD Sample Time | |
| Sample ID | MW-94-100-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:27 | 500 | 2000 | 35.7 | 7.79 | 1603 | 40.3 | 0.95 | 80 | 14.22 | 0.79 | 1.04 |
| 10:31 | 500 | 4000 | 35.9 | 7.76 | 1606 | 36.9 | 0.93 | 29 | 14.22 | 0.79 | 1.04 |
| 10:35 | 500 | 6000 | 36.0 | 7.75 | 1603 | 35.3 | 0.95 | 10 | 14.22 | 0.79 | 1.04 |
| 10:39 | 500 | 8000 | 36.0 | 7.75 | 1603 | 35.1 | 0.95 | 9 | 14.22 | 0.79 | 1.04 |
| 10:43 | 500 | 10000 | 36.0 | 7.75 | 1604 | 34.3 | 0.94 | 9 | 14.22 | 0.79 | 1.04 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-94-175

| Date | 12/12/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 9.86 |
| Water Quality Meter | YSI | Gallons in Well | 27.29 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 177.18 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 167.32 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 10:12 | MS/MSD Sample Time | |
| Sample ID | MW-94-175-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 22 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:51 | 500 | 2000 | 37.0 | 7.95 | 1080 | 35.9 | 0.20 | 58 | 9.96 | 0.52 | 0.70 |
| 09:55 | 500 | 4000 | 37.1 | 7.93 | 1075 | 10.9 | 0.21 | 37 | 9.96 | 0.52 | 0.69 |
| 09:59 | 500 | 6000 | 37.2 | 7.92 | 1069 | 8.6 | 0.24 | 26 | 9.96 | 0.25 | 0.69 |
| 10:03 | 500 | 8000 | 37.2 | 7.92 | 1071 | 7.7 | 0.24 | 23 | 9.96 | 0.25 | 0.69 |
| 10:07 | 500 | 10000 | 37.2 | 7.91 | 1071 | 7.1 | 0.23 | 22 | 9.96 | 0.25 | 0.69 |
| 10:11 | 500 | 12000 | 37.2 | 7.91 | 1072 | 6.9 | 0.23 | 22 | 9.96 | 0.25 | 0.69 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-88-109

| Date | 12/18/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 91.24 |
| Water Quality Meter | YSI | Gallons in Well | 2.95 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 109.30 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 100 |
| Water Column in | 18.06 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 09:26 | MS/MSD Sample Time | |
| Sample ID | MW-S-107R-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 25 | Purge Date | 12/18/2019 |

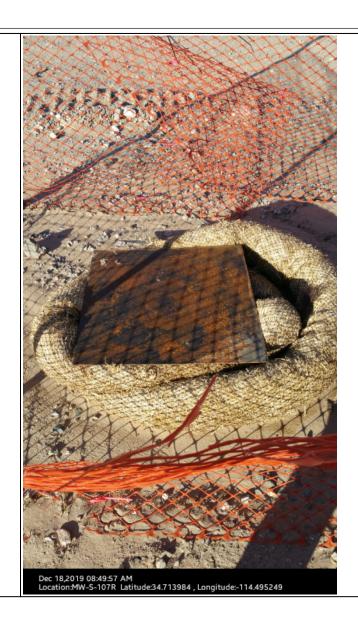
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:05 | 500 | 2000 | 29.7 | 7.75 | 1793 | 67.9 | 2.18 | 330 | 91.35 | 0.90 | 1.16 |
| 09:09 | 500 | 4000 | 30.1 | 7.68 | 1823 | 63.1 | 2.30 | 107 | 91.35 | 0.92 | 1.18 |
| 09:13 | 500 | 6000 | 30.4 | 7.63 | 1838 | 61.3 | 2.51 | 43 | 91.35 | 0.93 | 1.20 |
| 09:17 | 500 | 8000 | 30.4 | 7.63 | 1839 | 60.6 | 2.55 | 26 | 91.35 | 0.93 | 1.20 |
| 09:21 | 500 | 10000 | 30.4 | 7.63 | 1843 | 60.1 | 2.56 | 25 | 91.35 | 0.93 | 1.20 |
| 09:25 | 500 | 12000 | 30.4 | 7.63 | 1845 | 59.6 | 2.60 | 25 | 91.35 | 0.93 | 1.20 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | Х | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-11D

| Date | 12/18/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 67.36 |
| Water Quality Meter | YSI | Gallons in Well | 10.88 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 134.08 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 124 |
| Water Column in | 66.72 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-730-Q419 |
| Did Well Dewater? | No | EB Time | 15:10 |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 14:46 | MS/MSD Sample Time | |
| Sample ID | MW-11D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:29 | 500 | 2000 | 30.1 | 7.63 | 5777 | 71.0 | 2.27 | 23 | 67.46 | 3.10 | 3.75 |
| 14:33 | 500 | 4000 | 30.2 | 7.62 | 5759 | 70.9 | 2.23 | 12 | 67.46 | 3.05 | 3.69 |
| 14:37 | 500 | 6000 | 30.2 | 7.62 | 5722 | 69.3 | 2.32 | 9 | 67.46 | 3.05 | 3.70 |
| 14:41 | 500 | 8000 | 30.2 | 7.62 | 5716 | 68.0 | 2.38 | 8 | 67.46 | 3.05 | 3.72 |
| 14:45 | 500 | 10000 | 30.2 | 7.62 | 5713 | 67.6 | 2.34 | 8 | 67.46 | 3.05 | 3.72 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

| Date | 12/02/2019 | Sampler | |
|------|------------|------------------------------|------------|
| | | Color | |
| | | Casing Volume to Remove | |
| | | Depth to Water (ft bmp) | |
| | | Gallons in Well | |
| | | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/02/2019 |

Field Parameters

| Time | Flow Rate | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|------|----------------------------|--------------------|----------|----|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | (ml/min or gal/ min) | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Evidence of well subsidence? | | X | | |

129 / 409



Project Number: RC000753.0801

MW-09

| Date | 12/18/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 80.90 |
| Water Quality Meter | YSI | Gallons in Well | 1.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 89.31 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 8.41 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 10:54 | MS/MSD Sample Time | |
| Sample ID | MW-09-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 12/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:37 | 500 | 2000 | 29.2 | 7.76 | 3203 | 73.9 | 4.78 | 16 | 80.99 | 1.67 | 2.08 |
| 10:41 | 500 | 4000 | 29.8 | 7.74 | 3204 | 72.0 | 4.57 | 11 | 80.99 | 1.67 | 2.09 |
| 10:45 | 500 | 6000 | 30.1 | 7.71 | 3201 | 71.2 | 4.53 | 8 | 80.99 | 1.67 | 2.09 |
| 10:49 | 500 | 8000 | 30.1 | 7.70 | 3200 | 71.0 | 4.51 | 7 | 80.99 | 1.67 | 2.09 |
| 10:53 | 500 | 10000 | 30.2 | 7.70 | 3195 | 70.6 | 4.49 | 7 | 80.99 | 1.67 | 2.09 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-10

| Date | 12/18/2019 | _ Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Cloudy | _ Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | _ Depth to Water (ft bmp) | 75.56 |
| Water Quality Meter | YSI | _ Gallons in Well | 3.51 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 97.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | _ Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 21.55 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 12:16 | MS/MSD Sample Time | |
| Sample ID | MW-10-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:59 | 500 | 2000 | 29.9 | 7.76 | 2448 | 87.3 | 4.85 | 13 | 75.65 | 1.26 | 1.60 |
| 12:03 | 500 | 4000 | 30.1 | 7.73 | 2459 | 85.0 | 4.80 | 7 | 75.65 | 1.26 | 1.57 |
| 12:07 | 500 | 6000 | 30.1 | 7.72 | 2481 | 84.1 | 4.79 | 5 | 75.65 | 1.26 | 1.60 |
| 12:11 | 500 | 8000 | 30.2 | 7.72 | 2485 | 83.5 | 4.75 | 5 | 75.65 | 1.26 | 1.60 |
| 12:15 | 500 | 10000 | 30.2 | 7.72 | 2486 | 83.1 | 4.73 | 5 | 75.65 | 1.26 | 1.60 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-11

| Date | 12/18/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 67.56 |
| Water Quality Meter | YSI | Gallons in Well | 11.74 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 85.56 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 75 |
| Water Column in | 18.0 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 14:10 | MS/MSD Sample Time | |
| Sample ID | MW-11-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:53 | 500 | 2000 | 30.3 | 7.81 | 2483 | 95.6 | 6.57 | 16 | 67.65 | 1.27 | 1.61 |
| 13:57 | 500 | 4000 | 30.6 | 7.80 | 2486 | 96.2 | 6.45 | 11 | 67.65 | 1.27 | 1.61 |
| 14:01 | 500 | 6000 | 30.7 | 7.80 | 2487 | 96.9 | 6.39 | 9 | 67.65 | 1.27 | 1.61 |
| 14:05 | 500 | 8000 | 30.7 | 7.79 | 2490 | 97.3 | 6.37 | 8 | 67.65 | 1.27 | 1.61 |
| 14:09 | 500 | 10000 | 30.7 | 7.79 | 2490 | 97.6 | 6.36 | 8 | 67.65 | 1.27 | 1.61 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-12

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 29.57 |
| Water Quality Meter | YSI | Gallons in Well | 3.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 50.26 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 37 |
| Water Column in | 20.69 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/17/2019 | MS/MSD Sample ID | MW-12-Q419 |
| Sample Time | 09:38 | MS/MSD Sample Time | 09:38 |
| Sample ID | MW-12-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:21 | 500 | 2000 | 27.5 | 8.23 | 6821 | 57.6 | 3.26 | 11 | 29.65 | 3.72 | 4.43 |
| 09:25 | 500 | 4000 | 27.7 | 8.19 | 6815 | 54.3 | 3.27 | 6 | 29.65 | 3.72 | 4.43 |
| 09:29 | 500 | 6000 | 27.7 | 8.18 | 6813 | 53.0 | 3.28 | 5 | 29.65 | 3.72 | 4.43 |
| 09:33 | 500 | 8000 | 27.7 | 8.18 | 6812 | 52.6 | 3.30 | 5 | 29.65 | 3.72 | 4.43 |
| 09:37 | 500 | 10000 | 27.7 | 8.17 | 6812 | 52.3 | 3.32 | 5 | 29.65 | 3.72 | 4.43 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-13

| Date | 12/19/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 34.36 |
| Water Quality Meter | YSI | _ Gallons in Well | 10.5 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 50.46 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 42 |
| Water Column in | 16.1 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-731-Q419 |
| Did Well Dewater? | No | - EB Time | 14:15 |
| Sample Date | 12/19/2019 | MS/MSD Sample ID | |
| Sample Time | 13:58 | MS/MSD Sample Time | |
| Sample ID | MW-13-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | - Purge Date | 12/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:41 | 500 | 2000 | 28.9 | 7.68 | 2681 | 70.9 | 5.36 | 33 | 34.46 | 1.37 | 1.73 |
| 13:45 | 500 | 4000 | 29.0 | 7.67 | 2646 | 71.9 | 5.48 | 17 | 34.46 | 1.35 | 1.71 |
| 13:49 | 500 | 6000 | 29.0 | 7.65 | 2603 | 72.1 | 5.51 | 10 | 34.46 | 1.33 | 1.69 |
| 13:53 | 500 | 8000 | 29.0 | 7.65 | 2601 | 72.3 | 5.53 | 9 | 34.46 | 1.33 | 1.69 |
| 13:57 | 500 | 10000 | 29.0 | 7.65 | 2601 | 72.6 | 5.54 | 9 | 34.46 | 1.33 | 1.69 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings



139 / 409



Project Number: RC000753.0801

MW-14

| Date | 12/09/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 115.57 |
| Water Quality Meter | YSI | Gallons in Well | 11.89 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 133.80 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 123 |
| Water Column in | 18.23 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 13:14 | MS/MSD Sample Time | |
| Sample ID | MW-14-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 38 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:57 | 500 | 2000 | 30.6 | 7.50 | 3408 | 75.9 | 5.20 | 59 | 115.65 | 1.75 | 2.19 |
| 13:01 | 500 | 4000 | 30.9 | 7.48 | 3195 | 73.0 | 5.18 | 44 | 115.65 | 1.65 | 2.07 |
| 13:05 | 500 | 6000 | 31.0 | 7.47 | 3190 | 72.5 | 5.14 | 39 | 115.65 | 1.65 | 2.07 |
| 13:09 | 500 | 8000 | 31.0 | 7.47 | 3186 | 72.1 | 5.13 | 38 | 115.65 | 1.65 | 2.07 |
| 13:13 | 500 | 10000 | 31.1 | 7.46 | 3185 | 71.7 | 5.10 | 38 | 115.65 | 1.65 | 2.07 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-15

| Date | 12/12/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 185.46 |
| Water Quality Meter | YSI | Gallons in Well | 9.81 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 200.50 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 93 |
| Water Column in | 15.04 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 08:50 | MS/MSD Sample Time | |
| Sample ID | MW-15-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:33 | 300 | 1200 | 27.2 | 7.86 | 2356 | 80.6 | 5.29 | 6 | 185.50 | 1.20 | 1.52 |
| 08:37 | 300 | 2400 | 27.6 | 7.81 | 2316 | 87.0 | 5.59 | 4 | 185.50 | 1.18 | 1.50 |
| 08:41 | 300 | 3600 | 27.1 | 7.80 | 2296 | 89.6 | 5.65 | 3 | 185.50 | 1.17 | 1.49 |
| 08:45 | 300 | 4800 | 27.1 | 7.80 | 2303 | 91.2 | 5.71 | 3 | 185.50 | 1.17 | 1.49 |
| 08:49 | 300 | 6000 | 27.1 | 7.81 | 2304 | 92.0 | 5.73 | 3 | 185.50 | 1.17 | 1.48 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings



143 / 409



Project Number: RC000753.0801

MW-16

| Date | 12/09/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 200.31 |
| Water Quality Meter | YSI | Gallons in Well | 11.48 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 217.91 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 210 |
| Water Column in | 17.6 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-714-Q419 |
| Did Well Dewater? | No | EB Time | 16:00 |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 15:32 | MS/MSD Sample Time | |
| Sample ID | MW-16-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|-------------------------|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | or gal/ min) | | | | | | | | | | |
| 15:11 | 500 | 2000 | 29.9 | 7.90 | 1158 | 86.0 | 5.29 | 17 | 200.42 | 0.57 | 0.75 |
| 15:15 | 500 | 4000 | 30.8 | 7.88 | 1151 | 81.6 | 4.96 | 11 | 200.42 | 0.57 | 0.75 |
| 15:19 | 500 | 6000 | 31.1 | 7.86 | 1149 | 79.1 | 4.91 | 9 | 200.42 | 0.57 | 0.75 |
| 15:23 | 500 | 8000 | 31.2 | 7.86 | 1147 | 78.3 | 4.89 | 8 | 200.42 | 0.57 | 0.75 |
| 15:27 | 500 | 10000 | 31.2 | 7.86 | 1147 | 78.0 | 4.87 | 8 | 200.42 | 0.57 | 0.75 |
| 15:31 | 500 | 12000 | 31.3 | 7.85 | 1145 | 77.4 | 4.85 | 8 | 200.42 | 0.57 | 0.75 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-17

| Date | 12/09/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 133.36 |
| Water Quality Meter | YSI | Gallons in Well | 13.14 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 153.50 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 142 |
| Water Column in | 20.14 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 14:40 | MS/MSD Sample Time | |
| Sample ID | MW-17-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:23 | 500 | 2000 | 29.8 | 7.80 | 1312 | 78.0 | 5.93 | 7 | 133.46 | 0.65 | 0.85 |
| 14:27 | 500 | 4000 | 30.8 | 7.81 | 1320 | 77.8 | 5.91 | 4 | 133.46 | 0.65 | 0.85 |
| 14:31 | 500 | 6000 | 31.0 | 7.81 | 1323 | 76.1 | 5.88 | 3 | 133.46 | 0.65 | 0.85 |
| 14:35 | 500 | 8000 | 31.1 | 7.81 | 1324 | 75.6 | 5.87 | 3 | 133.46 | 0.65 | 0.85 |
| 14:39 | 500 | 10000 | 31.1 | 7.82 | 1324 | 75.3 | 5.85 | 3 | 133.46 | 0.65 | 0.85 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-18

| Date | 12/09/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 89.30 |
| Water Quality Meter | YSI | Gallons in Well | 11.16 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 106.41 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 97 |
| Water Column in | 17.11 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 13:58 | MS/MSD Sample Time | |
| Sample ID | MW-18-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:41 | 500 | 2000 | 28.9 | 7.59 | 1625 | 78.0 | 5.32 | 6 | 89.40 | 0.81 | 1.05 |
| 13:45 | 500 | 4000 | 30.1 | 7.57 | 1623 | 75.3 | 5.18 | 4 | 89.40 | 0.81 | 1.05 |
| 13:49 | 500 | 6000 | 30.4 | 7.57 | 1620 | 74.2 | 5.15 | 3 | 89.40 | 0.81 | 1.05 |
| 13:53 | 500 | 8000 | 30.5 | 7.56 | 1619 | 74.0 | 5.14 | 3 | 89.40 | 0.81 | 1.05 |
| 13:57 | 500 | 10000 | 30.5 | 7.56 | 1619 | 74.0 | 5.12 | 3 | 89.40 | 0.81 | 1.05 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings



Powered by:



Project Number: RC000753.0801

MW-19

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 46.37 |
| Water Quality Meter | YSI | Gallons in Well | 29.64 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 66.56 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | 56 |
| Water Column in | 20.19 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-725-Q419 |
| Did Well Dewater? | No | EB Time | 16:00 |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 13:38 | MS/MSD Sample Time | |
| Sample ID | MW-19-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/12/2019 |

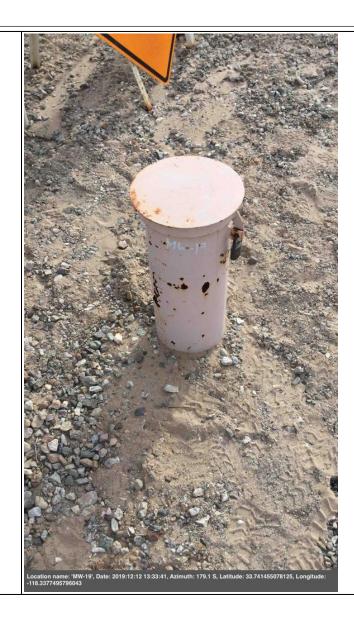
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:22 | 500 | 2000 | 28.3 | 7.97 | 2287 | 255.8 | 5.46 | 4 | 46.45 | 0.84 | 1.46 |
| 13:25 | 500 | 4000 | 28.5 | 7.94 | 2299 | 249.7 | 5.32 | 2 | 46.45 | 0.85 | 1.48 |
| 13:29 | 500 | 6000 | 28.6 | 7.92 | 2309 | 244.3 | 5.18 | 2 | 46.45 | 0.85 | 1.49 |
| 13:33 | 500 | 8000 | 28.6 | 7.89 | 2365 | 239.8 | 5.11 | 2 | 46.45 | 0.87 | 1.50 |
| 13:37 | 500 | 10000 | 28.6 | 7.88 | 2453 | 235.7 | 5.07 | 2 | 46.45 | 0.87 | 1.52 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |







Project Number: RC000753.0801

MW-20-070

| Date | 12/13/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 47.14 |
| Water Quality Meter | YSI | Gallons in Well | 13.62 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 68.02 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 60 |
| Water Column in | 20.88 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-727-Q419 |
| Did Well Dewater? | No | EB Time | 10:30 |
| Sample Date | 12/13/2019 | MS/MSD Sample ID | |
| Sample Time | 09:29 | MS/MSD Sample Time | |
| Sample ID | MW-20-070-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/13/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:12 | 500 | 2000 | 29.0 | 7.66 | 2132 | -24.6 | 6.79 | 5 | 47.50 | 1.03 | 1.40 |
| 09:16 | 500 | 4000 | 29.0 | 7.64 | 2143 | -27.8 | 6.66 | 5 | 47.50 | 1.05 | 1.41 |
| 09:20 | 500 | 6000 | 29.2 | 7.62 | 2153 | -28.9 | 6.59 | 5 | 47.50 | 1.06 | 1.42 |
| 09:24 | 500 | 8000 | 29.1 | 7.62 | 2175 | -30.8 | 6.44 | 5 | 47.50 | 1.06 | 1.44 |
| 09:28 | 500 | 10000 | 29.1 | 7.61 | 2187 | -33.5 | 6.38 | 5 | 47.50 | 1.07 | 1.44 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

152 / 409



| Project | Number |
|---------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |







Project Number: RC000753.0801

MW-20-100

| Date | 12/13/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 47.00 |
| Water Quality Meter | YSI | Gallons in Well | 33.08 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 97.70 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 92 |
| Water Column in | 50.70 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/13/2019 | MS/MSD Sample ID | |
| Sample Time | 08:13 | MS/MSD Sample Time | |
| Sample ID | MW-20-100-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/13/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:56 | 500 | 2000 | 29.3 | 7.44 | 2865 | -30.3 | 5.86 | 3 | 47.44 | 1.37 | 1.81 |
| 08:00 | 500 | 4000 | 29.3 | 7.42 | 2860 | -33.3 | 5.71 | 3 | 47.44 | 1.39 | 1.83 |
| 08:04 | 500 | 6000 | 29.4 | 7.40 | 2849 | -37.8 | 5.64 | 3 | 47.44 | 1.38 | 1.80 |
| 08:08 | 500 | 8000 | 29.4 | 7.40 | 2826 | -39.0 | 5.38 | 3 | 47.44 | 1.39 | 1.83 |
| 08:12 | 500 | 10000 | 29.3 | 7.38 | 2827 | -40.2 | 5.26 | 3 | 47.44 | 1.40 | 1.82 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

154 / 409



| Project | Number |
|---------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-20-130

| Date | 12/13/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 48.00 |
| Water Quality Meter | YSI | Gallons in Well | 52.81 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 128.94 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 126 |
| Water Column in | 80.94 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/13/2019 | MS/MSD Sample ID | |
| Sample Time | 08:51 | MS/MSD Sample Time | |
| Sample ID | MW-20-130-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/13/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:34 | 500 | 2000 | 28.3 | 7.15 | 11265 | -109.8 | 1.43 | 3 | 48.60 | 7.04 | 7.31 |
| 08:38 | 500 | 4000 | 28.3 | 7.13 | 11287 | -112.6 | 1.30 | 3 | 48.60 | 7.04 | 7.31 |
| 08:42 | 500 | 6000 | 28.3 | 7.12 | 11324 | -116.8 | 1.28 | 3 | 48.60 | 7.06 | 7.33 |
| 08:46 | 500 | 8000 | 28.3 | 7.11 | 11387 | -118.0 | 1.16 | 3 | 48.60 | 7.06 | 7.33 |
| 08:50 | 500 | 10000 | 28.3 | 7.11 | 11432 | -120.8 | 1.13 | 3 | 48.60 | 7.06 | 7.33 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Х | | |





Project Number: RC000753.0801

MW-21

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 50.23 |
| Water Quality Meter | YSI | Gallons in Well | 5.07 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 58.00 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 49 |
| Water Column in | 7.77 | Total Volume to Remove | |
| Well | | EB Sample ID | MW-21-EB-Q419 |
| Did Well Dewater? | Yes | EB Time | 10:10 |
| Sample Date | 12/13/2019 | MS/MSD Sample ID | |
| Sample Time | 10:20 | MS/MSD Sample Time | |
| Sample ID | MW-21-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 44 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:01 | Grab | | 28.4 | 7.33 | 11654 | 66.7 | 2.31 | 44 | 51.31 | 7.12 | 7.46 |
| 15:32 | 500 | 2000 | 28.0 | 7.18 | 11376 | 44.7 | 1.99 | 33 | 52.00 | 6.98 | 7.35 |
| 21:47 | 500 | 4000 | 28.3 | 7.16 | 11489 | 36.9 | 1.77 | 12 | 52.78 | 6.98 | 7.35 |
| 23:41 | 500 | 6000 | 28.3 | 7.12 | 11521 | 28.9 | 1.58 | 11 | 54.23 | 6.98 | 7.35 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | X | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|---------|-----|----|----|-------|
| Remarks | | | | |





Project Number: RC000753.0801

MW-22

| Date | 12/11/2019 | Sampler | Riggie |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Brown |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 4.67 |
| Water Quality Meter | YSI | Gallons in Well | 1.05 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 11.10 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 8 |
| Water Column in | 6.43 | Total Volume to Remove | 1.05 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 11:11 | MS/MSD Sample Time | |
| Sample ID | MW-22-Q419 | Double Filter Turbidity | 4 |
| Duplicate Sample ID | Mw-906-q419 | Post Sampling Turbidity | |
| Dup Sample Time | 11:21 | Purge Date | 12/11/2019 |
| Single Filter Turbidity | 15 | 0 | |
| Without Filter | 213 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:54 | 500 | 2000 | 23.7 | 6.68 | 20072 | -105.8 | 0.36 | 211 | 4.70 | 13.20 | 12.04 |
| 10:58 | 500 | 4000 | 23.7 | 6.65 | 20228 | -106.0 | 0.29 | 216 | 4.70 | 13.26 | 13.17 |
| 11:02 | 500 | 6000 | 23.7 | 6.63 | 20543 | -106.1 | 0.25 | 220 | 4.70 | 13.33 | 13.53 |
| 11:06 | 500 | 8000 | 23.8 | 6.63 | 21000 | -106.6 | 0.20 | 205 | 4.70 | 13.20 | 14.32 |
| 11:10 | 50 | 10000 | 23.9 | 6.63 | 21043 | -105.2 | 0.19 | 213 | 4.70 | 14.07 | 15.19 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-23-060

| Date | 12/09/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|---|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 49.51 |
| Water Quality Meter | YSI | Gallons in Well | 1.71 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 60.00 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 55 |
| Water Column in | 10.49 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | — EB Time | |
| Sample Date | 12/09/2019 | — MS/MSD Sample ID | |
| Sample Time | 14:15 | MS/MSD Sample Time | |
| Sample ID | MW-23-060-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:58 | 500 | 2000 | 28.7 | 9.01 | 17449 | 112.3 | 3.73 | 4 | 49.87 | 10.77 | 11.29 |
| 14:02 | 500 | 4000 | 28.9 | 9.04 | 17537 | 97.8 | 3.39 | 3 | 49.87 | 10.78 | 11.29 |
| 14:06 | 500 | 6000 | 28.9 | 9.06 | 17608 | 83.7 | 3.22 | 3 | 49.87 | 10.79 | 11.30 |
| 14:10 | 500 | 8000 | 28.9 | 9.06 | 17675 | 80.8 | 3.02 | 3 | 49.87 | 10.84 | 11.31 |
| 14:14 | 500 | 10000 | 28.9 | 9.07 | 17733 | 78.8 | 2.96 | 3 | 49.87 | 10.86 | 11.31 |

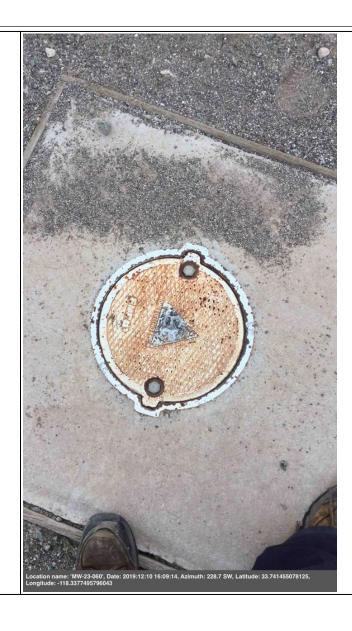
| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |

Photos and Drawings

Feb 4, 2020, 4:40 PM





Project Number: RC000753.0801

MW-23-080

| Date | 12/09/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 53.28 |
| Water Quality Meter | YSI | Gallons in Well | 4.42 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 80.38 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 77.5 |
| Water Column in | <u>27.10</u> | Total Volume to Remove | |
| Well | | EB Sample ID | EB-716-Q419 |
| Did Well Dewater? | No | EB Time | 15:20 |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 14:57 | MS/MSD Sample Time | |
| Sample ID | MW-23-080-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:40 | 500 | 2000 | 29.2 | 9.49 | 18002 | 63.6 | 1.79 | 3 | 53.49 | 11.02 | 11.52 |
| 14:44 | 500 | 4000 | 29.4 | 9.53 | 18141 | 55.8 | 0.89 | 3 | 53.49 | 11.02 | 11.52 |
| 14:48 | 500 | 600 | 29.4 | 9.55 | 18196 | 50.9 | 0.64 | 3 | 53.49 | 11.02 | 11.52 |
| 14:52 | 500 | 8000 | 29.4 | 9.55 | 18224 | 48.6 | 0.48 | 3 | 53.49 | 11.02 | 11.52 |
| 14:56 | 500 | 10000 | 29.3 | 9.56 | 18265 | 44.8 | 0.44 | 3 | 53.49 | 11.02 | 11.52 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

164 / 409



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-24A

| Date | 12/03/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 111.75 |
| Water Quality Meter | YSI | Gallons in Well | 9.84 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 126.83 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 118 |
| Water Column in | 15.08 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 08:44 | MS/MSD Sample Time | |
| Sample ID | MW-24A-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:27 | 500 | 2000 | 30.4 | 8.32 | 4211 | -240.5 | 1.29 | 16 | 111.93 | 2.22 | 2.86 |
| 08:31 | 500 | 4000 | 30.8 | 8.40 | 4143 | -268.6 | 0.92 | 11 | 111.93 | 2.17 | 2.76 |
| 08:35 | 500 | 6000 | 31.0 | 8.47 | 4102 | 280.8 | 0.66 | 5 | 111.93 | 2.11 | 2.62 |
| 08:39 | 500 | 8000 | 31.2 | 8.52 | 4013 | -285.4 | 0.55 | 5 | 111.93 | 2.11 | 2.62 |
| 08:43 | 500 | 10000 | 31.2 | 8.52 | 3997 | -288.8 | 0.49 | 5 | 111.93 | 2.11 | 2.62 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-24B

| Date | 12/03/2019 | Sampler | Matt Trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 109.58 |
| Water Quality Meter | YSI | Gallons in Well | 67.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 213.00 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 203 |
| Water Column in | 103.42 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 09:34 | MS/MSD Sample Time | |
| Sample ID | MW-24B-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-907-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 09:44 | - Purge Date | 12/03/2019 |
| Single Filter Turbidity | 1 | - | |
| Without Filter | 7 | - | |

Field Parameters

Turbidity

| ioia i aia | | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 09:17 | 500 | 2000 | 31.0 | 7.99 | 18122 | -244.2 | 0.88 | 28 | 109.68 | 10.91 | 12.01 |
| 09:21 | 500 | 4000 | 30.7 | 7.98 | 18324 | -231.4 | 0.77 | 18 | 109.68 | 10.92 | 12.03 |
| 09:25 | 500 | 6000 | 31.6 | 7.95 | 18844 | -219.7 | 0.54 | 11 | 109.68 | 11.12 | 12.42 |
| 09:29 | 500 | 8000 | 31.9 | 7.94 | 19388 | -216.5 | 0.50 | 7 | 109.68 | 11.53 | 12.73 |
| 09:33 | 500 | 10000 | 31.9 | 7.94 | 19645 | -213.4 | 0.47 | 7 | 109.68 | 11.62 | 12.77 |

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-24BR

| Date | 12/03/2019 | Sampler | Matt Trainotti |
|-------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | gal | Depth to Water (ft bmp) | 108.34 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | QED |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | Yes | Total Volume to Remove | |
| Sample Date | 12/04/2019 | EB Sample ID | |
| Sample Time | 08:25 | EB Time | |
| Sample ID | MW-24BR-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 1 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 12/03/2019 |

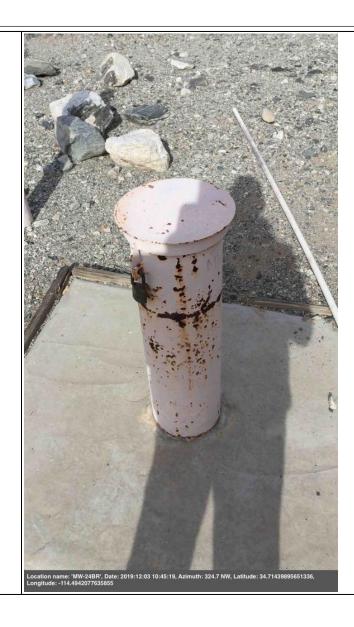
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:05 | 25 | 125 | 31.3 | 7.95 | 14777 | -249.3 | 0.57 | 2 | | 8.51 | 9.61 |
| 08:15 | 2.5 | 160 | 31.6 | 7.88 | 14788 | -252.2 | 0.53 | 1 | | 8.51 | 9.61 |
| 08:24 | 2.5 | 190 | 32.1 | 7.85 | 14812 | -241.0 | 0.55 | 1 | | 8.52 | 9.63 |
| 10:17 | 2.5 | 30 | 31.2 | 8.27 | 15819 | -290.6 | 0.50 | 2 | | 9.15 | 10.27 |
| 10:31 | 2.5 | 60 | 31.0 | 8.18 | 15443 | -295.4 | 0.41 | 2 | | 8.92 | 10.02 |
| 10:45 | 2.5 | 95 | 30.9 | 8.21 | 14299 | -240.9 | 0.45 | 2 | | 8.21 | 9.14 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | | X | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Required Actions | | | | |
| Action Completed? | | Х | | |





Project Number: RC000753.0801

MW-25

| Date | 12/09/2019 | Sampler | Nara Tep |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 88.51 |
| Water Quality Meter | YSI | Gallons in Well | 11.72 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 106.47 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 96 |
| Water Column in | 17.96 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 12:24 | MS/MSD Sample Time | |
| Sample ID | MW-25-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-908-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 12:34 | Purge Date | 12/09/2019 |
| Single Filter Turbidity | 1 | . 4.92 24.0 | |
| Without Filter | 8 | | |

Field Parameters

Turbidity

| 1014 1 414 | | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 12:07 | 500 | 2000 | 31.0 | 7.49 | 2147 | 80.9 | 5.49 | 16 | 88.60 | 1.08 | 1.39 |
| 12:11 | 500 | 4000 | 31.1 | 7.50 | 2118 | 78.6 | 5.45 | 11 | 88.60 | 1.07 | 1.37 |
| 12:15 | 500 | 6000 | 31.1 | 7.50 | 2115 | 76.3 | 5.41 | 9 | 88.60 | 1.07 | 1.37 |
| 12:19 | 500 | 8000 | 31.1 | 7.50 | 2114 | 76.1 | 5.40 | 8 | 88.60 | 1.07 | 1.37 |
| 12:23 | 500 | 10000 | 31.2 | 7.51 | 2110 | 76.3 | 5.38 | 8 | 88.60 | 1.07 | 1.37 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |

Photos and Drawings



173 / 409



Project Number: RC000753.0801

MW-26

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 48.26 |
| Water Quality Meter | YSI | Gallons in Well | 13.49 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 68.94 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 61.5 |
| Water Column in | 20.68 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 08:36 | MS/MSD Sample Time | |
| Sample ID | MW-26-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-909-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 08:46 | Purge Date | 12/12/2019 |
| Single Filter Turbidity | 1 | Ŭ | |
| Without Filter | 3 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:19 | 500 | 2000 | 29.3 | 7.46 | 3986 | 177.5 | 3.48 | 5 | 48.38 | 2.02 | 2.55 |
| 08:23 | 500 | 4000 | 29.5 | 7.43 | 4012 | 174.8 | 3.40 | 3 | 48.38 | 2.04 | 2.56 |
| 08:27 | 500 | 6000 | 29.5 | 7.41 | 4034 | 170.8 | 3.33 | 3 | 48.38 | 2.05 | 2.58 |
| 08:31 | 500 | 8000 | 29.5 | 7.40 | 4054 | 167.8 | 3.18 | 3 | 48.38 | 2.04 | 2.58 |
| 08:35 | 500 | 10000 | 29.5 | 7.40 | 4067 | 163.4 | 3.21 | 3 | 48.38 | 2.06 | 2.60 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | Х | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |





Project Number: RC000753.0801

MW-27-020

| Date | 12/10/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.11 |
| Water Quality Meter | YSI | Gallons in Well | 1.9 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 19.74 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 12 |
| Water Column in | 11.63 | Total Volume to Remove | 1.9 |
| Well | | EB Sample ID | Mw-27-020-eb-q419 |
| Did Well Dewater? | No | EB Time | 09:38 |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 10:01 | MS/MSD Sample Time | |
| Sample ID | MW-27-020-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 10 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:44 | 500 | 2000 | 19.5 | 7.58 | 1144 | -31.5 | 0.25 | 10 | 8.26 | 0.57 | 0.74 |
| 09:48 | 500 | 4000 | 19.6 | 7.57 | 1161 | -37.3 | 0.16 | 9 | 8.26 | 0.58 | 0.75 |
| 09:52 | 500 | 6000 | 19.4 | 7.58 | 1163 | -37.2 | 0.15 | 9 | 8.26 | 0.58 | 0.75 |
| 09:56 | 500 | 8000 | 19.5 | 7.60 | 1166 | -37.0 | 0.13 | 9 | 8.26 | 0.58 | 0.75 |
| 10:00 | 500 | 10000 | 19.6 | 7.59 | 1168 | -36.6 | 0.10 | 9 | 8.26 | 0.58 | 0.75 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-27-060

| Date | 12/10/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.93 |
| Water Quality Meter | YSI | Gallons in Well | 8.28 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 59.71 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 52 |
| Water Column in | 50.78 | Total Volume to Remove | 8.28 |
| Well | | EB Sample ID | Mw-27-060-eb-q419 |
| Did Well Dewater? | No | EB Time | 09:07 |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 09:30 | MS/MSD Sample Time | |
| Sample ID | MW-27-060-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:13 | 500 | 2000 | 18.9 | 7.53 | 1031 | -101.3 | 0.50 | 7 | 9.02 | 0.51 | 0.66 |
| 09:17 | 500 | 4000 | 19.0 | 7.55 | 1036 | -108.6 | 0.26 | 8 | 9.02 | 0.51 | 0.66 |
| 09:21 | 500 | 6000 | 19.1 | 7.58 | 1033 | -106.6 | 0.21 | 8 | 9.02 | 0.51 | 0.66 |
| 09:25 | 500 | 8000 | 19.0 | 7.57 | 1034 | -104.0 | 0.19 | 8 | 9.02 | 0.51 | 0.66 |
| 09:29 | 500 | 10000 | 19.0 | 7.55 | 1033 | -106.6 | 0.19 | 8 | 9.02 | 0.51 | 0.66 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-27-085

| Date | 12/10/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.80 |
| Water Quality Meter | YSI | Gallons in Well | 12.43 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 85.03 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 82.5 |
| Water Column in | 76.23 | Total Volume to Remove | 12.43 |
| Well | | EB Sample ID | Mw-27-085-eb-q419 |
| Did Well Dewater? | No | EB Time | 08:35 |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 09:00 | MS/MSD Sample Time | |
| Sample ID | MW-27-085-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:43 | 500 | 2000 | 18.8 | 7.39 | 10100 | -25.6 | 0.30 | 2 | 8.96 | 5.71 | 6.55 |
| 08:47 | 500 | 4000 | 19.0 | 7.40 | 10096 | -18.8 | 0.27 | 2 | 8.96 | 5.72 | 6.56 |
| 08:51 | 500 | 6000 | 19.1 | 7.42 | 10098 | -21.6 | 0.25 | 2 | 8.96 | 5.72 | 6.56 |
| 08:55 | 500 | 8000 | 19.0 | 7.43 | 10100 | -23.6 | 0.22 | 2 | 8.96 | 5.72 | 6.56 |
| 08:59 | 500 | 10000 | 19.0 | 7.44 | 10101 | -24.8 | 0.21 | 2 | 8.96 | 5.72 | 6.56 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | | X | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-28-025

| Date | 12/09/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.91 |
| Water Quality Meter | YSI | Gallons in Well | 2.64 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 25.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 20 |
| Water Column in | 16.2 | Total Volume to Remove | 2.64 |
| Well | | EB Sample ID | Mw-28-025-eb-q419 |
| Did Well Dewater? | No | EB Time | 12:40 |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 13:07 | MS/MSD Sample Time | |
| Sample ID | MW-28-025-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:50 | 500 | 2000 | 22.9 | 7.03 | 1222 | 11.3 | 0.72 | 3 | 8.99 | 0.61 | 0.79 |
| 12:54 | 500 | 4000 | 22.8 | 7.04 | 1226 | 11.9 | 0.70 | 3 | 9.00 | 0.61 | 0.79 |
| 12:58 | 500 | 6000 | 22.8 | 7.03 | 1228 | 12.3 | 0.66 | 3 | 9.00 | 0.61 | 0.79 |
| 13:02 | 500 | 8000 | 22.9 | 7.03 | 1230 | 12.8 | 0.63 | 3 | 9.00 | 0.61 | 0.79 |
| 13:06 | 500 | 10000 | 23.0 | 7.02 | 1233 | 13.1 | 0.60 | 3 | 9.00 | 0.61 | 0.79 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-28-090

| Date | 12/09/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 15.24 |
| Water Quality Meter | YSI | Gallons in Well | 12.24 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 90.28 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 75.04 | Total Volume to Remove | 12.24 |
| Well | | EB Sample ID | Mw-28-090-eb-q419 |
| Did Well Dewater? | No | EB Time | 12:10 |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 12:35 | MS/MSD Sample Time | 00:00 |
| Sample ID | MW-28-090-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:18 | 500 | 2000 | 19.5 | 7.05 | 7769 | -65.2 | 0.48 | 2 | 15.31 | 4.31 | 5.05 |
| 12:22 | 500 | 4000 | 19.5 | 7.06 | 7768 | -65.1 | 0.47 | 2 | 15.31 | 4.31 | 5.05 |
| 12:26 | 500 | 6000 | 19.5 | 7.08 | 7769 | -64.8 | 0.46 | 2 | 15.31 | 4.31 | 5.05 |
| 12:30 | 500 | 8000 | 19.5 | 7.09 | 7764 | -64.7 | 0.44 | 2 | 15.31 | 4.31 | 5.04 |
| 12:34 | 500 | 10000 | 19.5 | 7.10 | 7758 | -64.5 | 0.43 | 2 | 15.31 | 4.31 | 5.03 |

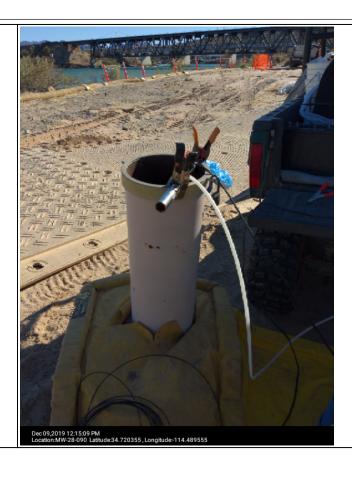
Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

184 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-29

| Date | 12/10/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|---------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 31.72 |
| Water Quality Meter | YSI | Gallons in Well | 1.44 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 40.52 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 34 |
| Water Column in | 8.8 | Total Volume to Remove | 1.44 |
| Well | | EB Sample ID | Mw-29-eb-q419 |
| Did Well Dewater? | No | EB Time | 13:15 |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 13:40 | MS/MSD Sample Time | |
| Sample ID | MW-29-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:23 | 500 | 2000 | 24.1 | 7.25 | 1923 | -114.6 | 0.87 | 9 | 31.91 | 0.97 | 1.24 |
| 13:27 | 500 | 4000 | 24.1 | 7.28 | 1904 | -114.3 | 0.93 | 8 | 31.91 | 0.97 | 1.24 |
| 13:31 | 500 | 6000 | 24.1 | 7.28 | 1909 | -114.1 | 0.87 | 8 | 31.91 | 0.97 | 1.24 |
| 13:35 | 500 | 8000 | 23.9 | 7.29 | 1915 | -113.9 | 0.92 | 8 | 31.91 | 0.97 | 1.24 |
| 13:39 | 500 | 10000 | 23.8 | 7.28 | 1919 | -113.6 | 0.88 | 8 | 31.91 | 0.97 | 1.24 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project Nu | ımber |
|------------|-------|
| RC000753 | .0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |

Photos and Drawings



187 / 409



Project Number: RC000753.0801

MW-30-030

| Date | 12/05/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Brown |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 14.75 |
| Water Quality Meter | YSI | Gallons in Well | 2.81 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 32.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 22 |
| Water Column in | 17.25 | Total Volume to Remove | |
| Well | | EB Sample ID | MW-30-030-EB-Q419 |
| Did Well Dewater? | No | EB Time | 12:25 |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 12:52 | MS/MSD Sample Time | |
| Sample ID | MW-30-030-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:35 | 500 | 2000 | 24.9 | 7.74 | 7129 | -14.9 | 0.09 | 5 | 14.83 | 3.92 | 4.64 |
| 12:39 | 500 | 4000 | 24.9 | 7.72 | 7173 | -23.9 | 0.08 | 3 | 14.83 | 3.93 | 4.66 |
| 12:43 | 500 | 6000 | 24.9 | 7.72 | 7175 | -30.5 | 0.08 | 2 | 14.83 | 3.93 | 4.65 |
| 12:47 | 500 | 8000 | 25.0 | 7.71 | 7178 | -32.0 | 0.09 | 2 | 14.83 | 3.93 | 4.65 |
| 12:51 | 500 | 10000 | 25.0 | 7.71 | 7178 | -32.4 | 0.09 | 2 | 14.83 | 3.93 | 4.65 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-30-050

| Date | 12/05/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 16.22 |
| Water Quality Meter | YSI | _ Gallons in Well | 23.68 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 52.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 45 |
| Water Column in | 36.29 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 12:10 | MS/MSD Sample Time | |
| Sample ID | MW-30-050-Q419 | - Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:53 | 500 | 2000 | 21.6 | 7.60 | 1039 | 29.6 | 0.26 | 2 | 16.30 | 0.51 | 0.67 |
| 11:57 | 500 | 4000 | 21.6 | 7.58 | 1048 | 26.4 | 0.19 | 1 | 16.30 | 0.52 | 0.68 |
| 12:01 | 500 | 6000 | 21.6 | 7.58 | 1051 | 23.2 | 0.18 | 1 | 16.30 | 0.52 | 0.68 |
| 12:05 | 500 | 8000 | 21.6 | 7.58 | 1051 | 22.2 | 0.18 | 1 | 16.30 | 0.52 | 0.68 |
| 12:09 | 500 | 10000 | 21.6 | 7.58 | 1052 | 21.7 | 0.18 | 1 | 16.30 | 0.52 | 0.68 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-31-060

| Date | 12/12/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 42.00 |
| Water Quality Meter | YSI | Gallons in Well | 11.65 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 59.86 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 51 |
| Water Column in | 17.86 | Total Volume to Remove | 11.65 |
| Well | | EB Sample ID | Eb-724-q419 |
| Did Well Dewater? | No | EB Time | 15:38 |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 15:18 | MS/MSD Sample Time | |
| Sample ID | MW-31-060-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | Mw-910-q419 | Post Sampling Turbidity | |
| Dup Sample Time | 15:28 | Purge Date | 12/12/2019 |
| Single Filter Turbidity | 1 | 3. | |
| Without Filter | 2 | | |

Field Parameters

Turbidity

| ioia i aia | 11101010 | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 15:01 | 500 | 2000 | 28.2 | 7.73 | 3296 | -14.1 | 0.33 | 2 | 42.11 | 1.72 | 2.14 |
| 15:05 | 500 | 4000 | 28.2 | 7.70 | 3351 | -10.4 | 0.24 | 2 | 42.11 | 1.75 | 2.18 |
| 15:09 | 500 | 6000 | 28.2 | 7.69 | 3404 | -10.2 | 0.19 | 2 | 42.11 | 1.78 | 2.21 |
| 15:13 | 500 | 8000 | 28.2 | 7.68 | 3412 | -10.0 | 0.18 | 2 | 42.11 | 1.78 | 2.21 |
| 15:17 | 500 | 10000 | 28.2 | 7.67 | 3416 | -9.9 | 0.15 | 2 | 42.11 | 1.78 | 2.21 |

Well Integrity Checklist

| ltem | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |

192 / 409



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-31-135

| Date | 12/12/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 43.51 |
| Water Quality Meter | YSI | Gallons in Well | 14.89 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 134.79 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 123 |
| Water Column in | 91.28 | Total Volume to Remove | 14.89 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 14:37 | MS/MSD Sample Time | |
| Sample ID | MW-31-135-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:20 | 500 | 2000 | 28.0 | 7.80 | 12313 | -125.4 | 0.83 | 20 | 43.59 | 7.01 | 7.99 |
| 14:24 | 500 | 4000 | 28.2 | 7.82 | 12315 | -125.8 | 0.66 | 8 | 43.59 | 7.02 | 8.01 |
| 14:28 | 500 | 6000 | 28.3 | 7.83 | 12478 | -126.2 | 0.56 | 8 | 43.59 | 7.12 | 8.11 |
| 14:32 | 500 | 8000 | 28.4 | 7.84 | 12633 | -126.5 | 0.52 | 8 | 43.59 | 7.21 | 8.20 |
| 14:36 | 500 | 10000 | 28.4 | 7.84 | 12671 | -126.9 | 0.50 | 8 | 43.59 | 7.23 | 8.24 |

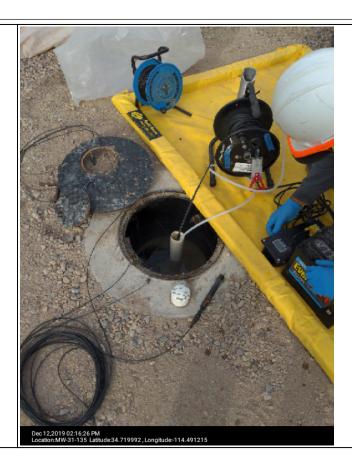
Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

194 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-32-020

| Date | 12/09/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.45 |
| Water Quality Meter | YSI | Gallons in Well | 1.96 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 20.44 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 18 |
| Water Column in | 11.99 | Total Volume to Remove | 1.96 |
| Well | | EB Sample ID | Mw-32-020-eb-q419 |
| Did Well Dewater? | No | EB Time | 14:02 |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 14:29 | MS/MSD Sample Time | |
| Sample ID | MW-32-020-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:12 | 500 | 2000 | 24.6 | 6.90 | 23316 | -122.8 | 0.32 | 9 | 8.58 | 14.14 | 15.21 |
| 14:16 | 500 | 4000 | 24.7 | 6.83 | 23329 | -122.6 | 0.33 | 8 | 8.58 | 14.17 | 15.23 |
| 14:20 | 500 | 6000 | 24.8 | 6.84 | 23348 | -123.0 | 0.34 | 8 | 8.58 | 14.18 | 15.24 |
| 14:24 | 500 | 8000 | 24.7 | 6.84 | 23416 | -124.7 | 0.36 | 8 | 8.58 | 14.18 | 15.24 |
| 14:28 | 500 | 10000 | 24.8 | 6.83 | 23508 | -125.5 | 0.30 | 8 | 8.58 | 14.18 | 15.24 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-32-035

| Date | 12/09/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 9.19 |
| Water Quality Meter | YSI | Gallons in Well | 16.81 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 34.95 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 30 |
| Water Column in | 25.76 | Total Volume to Remove | 16.81 |
| Well | | EB Sample ID | Mw-32-035-eb-q419 |
| Did Well Dewater? | No | EB Time | 13:32 |
| Sample Date | 12/09/2019 | MS/MSD Sample ID | |
| Sample Time | 13:59 | MS/MSD Sample Time | |
| Sample ID | MW-32-035-Q419 | Double Filter Turbidity | 2 |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 19 | Purge Date | 12/09/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:42 | 500 | 2000 | 25.0 | 7.04 | 9980 | -127.9 | 0.30 | 20 | 9.33 | 5.61 | 6.48 |
| 13:46 | 500 | 4000 | 25.1 | 7.03 | 9972 | -127.5 | 0.32 | 19 | 9.33 | 5.59 | 6.46 |
| 13:50 | 500 | 6000 | 25.0 | 7.03 | 9940 | -129.1 | 0.28 | 19 | 9.33 | 5.59 | 6.46 |
| 13:54 | 500 | 8000 | 25.0 | 7.03 | 9943 | -130.3 | 0.26 | 19 | 9.33 | 5.59 | 6.46 |
| 13:58 | 500 | 10000 | 25.0 | 7.04 | 9946 | -132.5 | 0.26 | 19 | 9.33 | 5.59 | 6.46 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-33-040

| Date | 12/05/2019 | Sampler | Riggie |
|---|---|---|----------------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 34.32 |
| Water Quality Meter | YSI | Gallons in Well | 1.1 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 41.05 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 38 |
| Water Column in | 6.73 | Total Volume to Remove | 1.1 |
| | | | |
| Well | | EB Sample ID | Mw-33-040-eb-q419 |
| Well Did Well Dewater? | No | EB Sample ID EB Time | Mw-33-040-eb-q419 12:00 |
| | No 12/05/2019 | EB Time | |
| Did Well Dewater? | | EB Time MS/MSD Sample ID | |
| Did Well Dewater? Sample Date | 12/05/2019 | EB Time MS/MSD Sample ID MS/MSD Sample Time | |
| Did Well Dewater? Sample Date Sample Time | 12/05/2019 12:25 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity | |
| Did Well Dewater? Sample Date Sample Time Sample ID | 12/05/2019 12:25 MW-33-040-Q419 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity | |
| Did Well Dewater? Sample Date Sample Time Sample ID Duplicate Sample ID | 12/05/2019 12:25 MW-33-040-Q419 Mw-911-q419 12:35 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity | 12:00 |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:02 | 500 | 2000 | 26.9 | 7.52 | 16346 | 86.2 | 1.13 | 3 | 34.55 | 9.57 | 10.65 |
| 12:06 | 500 | 4000 | 27.2 | 7.30 | 15625 | 95.3 | 1.12 | 2 | 34.55 | 9.08 | 10.12 |
| 12:10 | 500 | 6000 | 27.3 | 7.22 | 15215 | 94.8 | 1.09 | 2 | 34.55 | 8.80 | 9.86 |
| 12:14 | 500 | 8000 | 27.3 | 7.25 | 14896 | 92.4 | 1.04 | 2 | 34.55 | 8.80 | 9.86 |
| 12:16 | 500 | 10000 | 27.1 | 7.23 | 14726 | 89.5 | 1.07 | 1 | 34.55 | 8.80 | 9.86 |
| 12:20 | 500 | 12000 | 27.4 | 7.20 | 14324 | 84.2 | 1.01 | 1 | 34.55 | 8.80 | 9.86 |
| 12:24 | 500 | 14000 | 27.2 | 7.21 | 14216 | 81.9 | 0.97 | 1 | 34.55 | 8.80 | 9.86 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-33-090

| Date | 12/05/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|---------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Volume Units | MI | Casing Volume to Remove | 1 |
| Water Quality Meter | YSI | Depth to Water (ft bmp) | 34.48 |
| Sampling Type | Low Flow – Grundfos RF2 | Gallons in Well | 36.3 |
| Casing Material | PVC | Measured Well Depth (ft bmp) | 90.12 |
| Casing Diameter (in) | 4 | Odor | None |
| Water Column in | 55.64 | Pump Intake Depth (ft bmp) | 85 |
| Well | | Total Volume to Remove | 36.3 |
| Did Well Dewater? | No | EB Sample ID | |
| Sample Date | 12/05/2019 | EB Time | |
| Sample Time | 11:28 | MS/MSD Sample ID | |
| Sample ID | MW-33-090-Q419 | MS/MSD Sample Time | |
| Duplicate Sample ID | Mw-912-q419 | Double Filter Turbidity | |
| Dup Sample Time | 11:38 | Post Sampling Turbidity | |
| Single Filter Turbidity | 1 | Purge Date | 12/05/2019 |
| Without Filter | 6 | . a.go zato | , 00, _ 0 . 0 |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:11 | 500 | 2000 | 24.5 | 7.59 | 9226 | 85.9 | 0.73 | 7 | 34.59 | 5.19 | 6.02 |
| 11:15 | 500 | 4000 | 25.5 | 7.48 | 9298 | 80.5 | 0.56 | 6 | 34.59 | 5.20 | 6.05 |
| 11:19 | 500 | 6000 | 25.5 | 7.43 | 9249 | 75.1 | 0.53 | 6 | 34.59 | 5.20 | 6.05 |
| 11:23 | 500 | 8000 | 25.6 | 7.39 | 9291 | 74.0 | 0.52 | 6 | 34.59 | 5.18 | 6.02 |
| 11:27 | 500 | 10000 | 25.5 | 7.33 | 9318 | 72.6 | 0.50 | 6 | 34.59 | 5.18 | 6.02 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-33-150

| Date | 12/05/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 34.82 |
| Water Quality Meter | YSI | Gallons in Well | 18.88 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 150.55 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 145 |
| Water Column in | 115.73 | Total Volume to Remove | 18.88 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 10:37 | MS/MSD Sample Time | |
| Sample ID | MW-33-150-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | Mw-913-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 10:47 | Purge Date | 12/05/2019 |
| Single Filter Turbidity | 3 | 0 | |
| Without Filter | 8 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:20 | 500 | 2000 | 23.4 | 7.48 | 14611 | 117.2 | 0.80 | 10 | 34.97 | 8.53 | 9.52 |
| 10:24 | 500 | 4000 | 24.0 | 7.40 | 14608 | 114.6 | 0.78 | 8 | 34.97 | 8.51 | 9.53 |
| 10:28 | 500 | 6000 | 24.2 | 7.33 | 14581 | 112.6 | 0.75 | 8 | 34.97 | 8.51 | 9.53 |
| 10:32 | 500 | 8000 | 24.5 | 7.38 | 14655 | 111.3 | 0.78 | 8 | 34.97 | 8.52 | 9.52 |
| 10:36 | 500 | 10000 | 24.2 | 7.41 | 14718 | 109.8 | 0.69 | 8 | 34.97 | 8.52 | 9.52 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-33-210

| Date | 12/05/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 34.53 |
| Water Quality Meter | YSI | Gallons in Well | 28.56 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 209.66 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 205 |
| Water Column in | 175.13 | Total Volume to Remove | 28.56 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 09:42 | MS/MSD Sample Time | |
| Sample ID | MW-33-210-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | Mw-914-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 09:52 | Purge Date | 12/05/2019 |
| Single Filter Turbidity | 2 | 3 | |
| Without Filter | 5 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:25 | 500 | 2000 | 24.7 | 7.59 | 19713 | 176.1 | 0.56 | 9 | 34.66 | 11.73 | 12.80 |
| 09:29 | 500 | 4000 | 24.8 | 7.58 | 19770 | 126.5 | 0.49 | 5 | 34.66 | 11.77 | 12.56 |
| 09:33 | 500 | 6000 | 24.6 | 7.56 | 19859 | 115.3 | 0.41 | 5 | 34.66 | 11.82 | 12.89 |
| 09:37 | 500 | 8000 | 24.7 | 7.55 | 19783 | 118.1 | 0.32 | 5 | 34.66 | 11.82 | 12.89 |
| 09:41 | 500 | 10000 | 25.0 | 7.54 | 19799 | 110.2 | 0.23 | 5 | 34.66 | 11.82 | 12.89 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-34-055

| Date | 12/10/2019 | Sampler | Riggie |
|---|---|---|----------------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.32 |
| Water Quality Meter | YSI | Gallons in Well | 30.6 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 55.22 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 50 |
| Water Column in | 46.9 | Total Volume to Remove | 30.6 |
| \//all | | | |
| Well | | EB Sample ID | Mw-34-055-eb-q419 |
| Did Well Dewater? | No | EB Sample ID EB Time | Mw-34-055-eb-q419 11:30 |
| | No 12/10/2019 | EB Time | |
| Did Well Dewater? | | EB Time MS/MSD Sample ID | |
| Did Well Dewater? Sample Date | 12/10/2019 | EB Time MS/MSD Sample ID MS/MSD Sample Time | |
| Did Well Dewater? Sample Date Sample Time | 12/10/2019 11:58 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity | |
| Did Well Dewater? Sample Date Sample Time Sample ID | 12/10/2019 11:58 MW-34-055-Q419 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity | |
| Did Well Dewater? Sample Date Sample Time Sample ID Duplicate Sample ID | 12/10/2019 11:58 MW-34-055-Q419 Mw-915-q419 12:08 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity | 11:30 |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:37 | 500 | 2000 | 18.9 | 7.57 | 992 | -75.5 | 0.19 | 3 | 8.44 | 0.49 | 0.64 |
| 11:41 | 500 | 4000 | 18.9 | 7.52 | 990 | -80.4 | 0.16 | 3 | 8.44 | 0.49 | 0.64 |
| 11:45 | 500 | 6000 | 19.0 | 7.53 | 991 | -82.7 | 0.13 | 4 | 8.44 | 0.49 | 0.64 |
| 11:49 | 500 | 8000 | 19.0 | 7.54 | 992 | -83.4 | 0.1 | 4 | 8.44 | 0.49 | 0.64 |
| 11:53 | 500 | 10000 | 19.0 | 7.55 | 993 | -84.2 | 0.12 | 4 | 8.44 | 0.49 | 0.64 |
| 11:57 | 500 | 12000 | 18.9 | 7.55 | 995 | -84.7 | 0.10 | 4 | 8.44 | 0.49 | 0.64 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-34-080

| Date | 12/10/2019 | Sampler | Riggie |
|---|---|---|----------------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.47 |
| Water Quality Meter | YSI | Gallons in Well | 46.54 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 79.80 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 78 |
| Water Column in | 71.33 | Total Volume to Remove | 46.54 |
| | | | |
| Well | | EB Sample ID | Mw-34-080-eb-q419 |
| Well Did Well Dewater? | No | EB Sample ID EB Time | Mw-34-080-eb-q419 10:49 |
| | No 12/10/2019 | EB Time | |
| Did Well Dewater? | | EB Time MS/MSD Sample ID | |
| Did Well Dewater? Sample Date | 12/10/2019 | EB Time MS/MSD Sample ID MS/MSD Sample Time | 10:49 |
| Did Well Dewater? Sample Date Sample Time | 12/10/2019 11:13 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity | 10:49 |
| Did Well Dewater? Sample Date Sample Time Sample ID | 12/10/2019 11:13 MW-34-080-Q419 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity Post Sampling Turbidity | 10:49 |
| Did Well Dewater? Sample Date Sample Time Sample ID Duplicate Sample ID | 12/10/2019 11:13 MW-34-080-Q419 Mw-916-q419 11:23 | EB Time MS/MSD Sample ID MS/MSD Sample Time Double Filter Turbidity | 00:00 |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:56 | 500 | 2000 | 19.4 | 7.41 | 8578 | -28.3 | 0.22 | 3 | 8.56 | 4.80 | 5.57 |
| 11:00 | 500 | 4000 | 19.4 | 7.39 | 8572 | -33.1 | 0.20 | 3 | 8.56 | 4.79 | 5.57 |
| 11:04 | 500 | 6000 | 19.4 | 7.38 | 8567 | -39.9 | 0.19 | 3 | 8.56 | 4.79 | 5.57 |
| 11:08 | 500 | 8000 | 19.4 | 7.34 | 8566 | -40.2 | 0.15 | 3 | 8.56 | 4.79 | 5.57 |
| 11:12 | 500 | 10000 | 19.4 | 7.31 | 8557 | -40.8 | 0.10 | 3 | 8.56 | 4.79 | 5.57 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Χ | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |

210 / 409



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-34-100

| Date | 12/10/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 8.57 |
| Water Quality Meter | YSI | Gallons in Well | 14.86 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 99.67 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 94 |
| Water Column in | 91.1 | Total Volume to Remove | 14.86 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 10:42 | MS/MSD Sample Time | |
| Sample ID | MW-34-100-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | Mw-917-q419 | Post Sampling Turbidity | |
| Dup Sample Time | 10:52 | Purge Date | 12/10/2019 |
| Single Filter Turbidity | 1 | ŭ | |
| Without Filter | 2 | | |

Field Parameters

Turbidity

| 1014 1 414 | | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 10:25 | 500 | 2000 | 19.2 | 7.65 | 12779 | -65.9 | 0.76 | 2 | 8.67 | 7.40 | 8.34 |
| 10:29 | 500 | 4000 | 19.5 | 7.60 | 13620 | -68.5 | 0.64 | 2 | 8.67 | 7.55 | 8.50 |
| 10:33 | 500 | 6000 | 19.3 | 7.59 | 13705 | -67.9 | 0.44 | 2 | 8.67 | 7.96 | 8.93 |
| 10:37 | 500 | 8000 | 19.3 | 7.58 | 13826 | -67.0 | 0.40 | 2 | 8.67 | 7.96 | 8.93 |
| 10:41 | 500 | 10000 | 19.3 | 7.57 | 13869 | -66.6 | 0.38 | 2 | 8.67 | 7.96 | 8.93 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |

212 / 409



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-35-060

| Date | 12/13/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 28.92 |
| Water Quality Meter | YSI | Gallons in Well | 4.66 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 57.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 51 |
| Water Column in | 28.59 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-726-Q419 |
| Did Well Dewater? | No | EB Time | 11:00 |
| Sample Date | 12/13/2019 | MS/MSD Sample ID | |
| Sample Time | 10:46 | MS/MSD Sample Time | |
| Sample ID | MW-35-060-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 14 | Purge Date | 12/13/2019 |

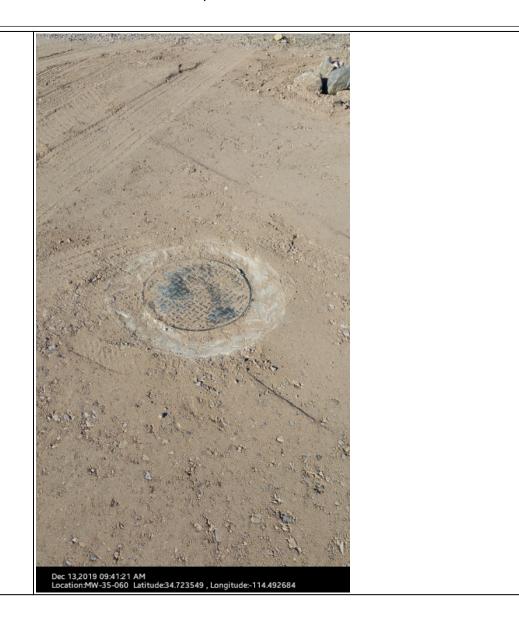
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:29 | 500 | 2000 | 27.0 | 7.59 | 6579 | 60.9 | 1.23 | 63 | 29.01 | 3.59 | 4.26 |
| 10:33 | 500 | 4000 | 27.2 | 7.55 | 6474 | 54.6 | 1.19 | 39 | 29.01 | 3.52 | 4.20 |
| 10:37 | 500 | 6000 | 27.3 | 7.54 | 6433 | 52.9 | 1.18 | 15 | 29.01 | 3.48 | 4.19 |
| 10:41 | 500 | 8000 | 27.3 | 7.54 | 6430 | 51.8 | 1.16 | 14 | 29.01 | 3.48 | 4.19 |
| 10:45 | 500 | 10000 | 27.3 | 7.54 | 6427 | 51.3 | 1.16 | 14 | 29.01 | 3.48 | 4.19 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-35-135

| 12/13/2019 | _ Sampler | Nara Tep |
|-------------------------|--|---|
| Sunny | _ Color | Clear |
| Low Flow | Casing Volume to Remove | |
| MI | Depth to Water (ft bmp) | 28.05 |
| YSI | Gallons in Well | 20.64 |
| Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 154.61 |
| PVC | Odor | None |
| 2 | Pump Intake Depth (ft bmp) | 126 |
| 126.56 | _ Total Volume to Remove | |
| | EB Sample ID | |
| No | EB Time | |
| 12/13/2019 | MS/MSD Sample ID | |
| 10:10 | • | |
| MW-35-135-Q419 | • | 1 |
| MW-918-Q419 | • | |
| 10:20 | . • | 12/13/2019 |
| 2 | _ | |
| 27 | | |
| | Sunny Low Flow MI YSI Low Flow – Grundfos RF2 PVC 2 126.56 No 12/13/2019 10:10 MW-35-135-Q419 MW-918-Q419 10:20 2 | Sunny Low Flow Casing Volume to Remove MI Depth to Water (ft bmp) Gallons in Well Low Flow – Grundfos RF2 Measured Well Depth (ft bmp) PVC Odor Pump Intake Depth (ft bmp) 126.56 Total Volume to Remove EB Sample ID EB Time MS/MSD Sample ID MS/MSD Sample Time MW-35-135-Q419 Double Filter Turbidity MW-918-Q419 Purge Date |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:53 | 500 | 2000 | 26.9 | 7.70 | 11475 | 41.9 | 0.25 | 41 | 28.13 | 6.51 | 7.45 |
| 09:57 | 500 | 4000 | 26.8 | 7.68 | 11485 | 38.5 | 0.23 | 32 | 28.13 | 6.50 | 7.46 |
| 10:01 | 500 | 6000 | 27.0 | 7.66 | 11510 | 37.6 | 0.23 | 28 | 28.13 | 6.50 | 7.47 |
| 10:05 | 500 | 8000 | 27.0 | 7.65 | 11496 | 35.0 | 0.24 | 27 | 28.13 | 6.50 | 7.47 |
| 10:09 | 500 | 10000 | 27.0 | 7.65 | 11493 | 34.6 | 0.24 | 27 | 28.13 | 6.50 | 7.47 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-36-020

| Date | 12/04/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 13.18 |
| Water Quality Meter | YSI | Gallons in Well | 0.37 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 22.31 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 15 |
| Water Column in | 9.13 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 10:12 | MS/MSD Sample Time | |
| Sample ID | MW-36-020-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:55 | 500 | 2000 | 21.9 | 7.39 | 6101 | -167.7 | 1.86 | 15 | 13.31 | 3.33 | 3.91 |
| 09:59 | 500 | 4000 | 21.9 | 7.37 | 6118 | -188.8 | 1.63 | 10 | 13.31 | 3.33 | 3.94 |
| 10:03 | 500 | 6000 | 21.9 | 7.37 | 6132 | -195.4 | 1.43 | 6 | 13.31 | 3.34 | 3.97 |
| 10:07 | 500 | 8000 | 21.9 | 7.37 | 6143 | -204.1 | 1.78 | 6 | 13.31 | 3.36 | 4.04 |
| 10:11 | 500 | 10000 | 22.0 | 7.37 | 6144 | -206.7 | 2.00 | 6 | 13.31 | 3.35 | 3.99 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-36-040

| Date | 12/04/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 16.60 |
| Water Quality Meter | YSI | Gallons in Well | 1.06 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 42.50 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 35 |
| Water Column in | 25.90 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 11:50 | MS/MSD Sample Time | |
| Sample ID | MW-36-040-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:33 | 500 | 2000 | 21.0 | 7.92 | 1059 | -193.9 | 1.48 | 10 | 16.67 | 0.53 | 0.69 |
| 11:37 | 500 | 4000 | 20.9 | 7.96 | 1072 | -240.8 | 0.80 | 6 | 16.67 | 0.53 | 0.69 |
| 11:41 | 500 | 6000 | 20.9 | 7.97 | 1077 | -252.0 | 0.60 | 3 | 16.67 | 0.53 | 0.69 |
| 11:45 | 500 | 8000 | 20.8 | 7.94 | 1075 | -257.9 | 0.54 | 3 | 16.67 | 0.53 | 0.69 |
| 11:49 | 500 | 10000 | 20.8 | 7.91 | 1074 | -263.9 | 0.47 | 3 | 16.67 | 0.53 | 0.69 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |

Photos and Drawings

Feb 4, 2020, 4:40 PM





Project Number: RC000753.0801

MW-36-050

| Date | 12/04/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 16.81 |
| Water Quality Meter | YSI | Gallons in Well | 1.48 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 53.02 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 48.5 |
| Water Column in | 36.21 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 13:39 | MS/MSD Sample Time | |
| Sample ID | MW-36-050-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:22 | 500 | 2000 | 20.7 | 7.59 | 1019 | -138.3 | 1.02 | 5 | 16.86 | 0.50 | 0.66 |
| 13:26 | 500 | 4000 | 20.5 | 7.53 | 1017 | -192.5 | 0.87 | 3 | 16.86 | 0.50 | 0.66 |
| 13:30 | 500 | 6000 | 20.3 | 7.49 | 1015 | -200.1 | 0.63 | 3 | 16.86 | 0.50 | 0.66 |
| 13:34 | 500 | 8000 | 20.2 | 7.48 | 1015 | -219.3 | 0.55 | 3 | 16.86 | 0.50 | 0.65 |
| 13:38 | 500 | 10000 | 20.3 | 7.47 | 1014 | -225.3 | 0.51 | 3 | 16.86 | 0.50 | 0.66 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-36-070

| Date | 12/04/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 16.27 |
| Water Quality Meter | YSI | Gallons in Well | 2.28 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 72.19 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 65 |
| Water Column in | 55.92 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 11:06 | MS/MSD Sample Time | |
| Sample ID | MW-36-070-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:49 | 500 | 2000 | 21.1 | 7.91 | 1039 | -178.8 | 2.12 | 8 | 16.40 | 0.51 | 0.67 |
| 10:53 | 500 | 4000 | 20.8 | 7.82 | 1029 | -201.1 | 1.11 | 3 | 16.40 | 0.51 | 0.67 |
| 10:57 | 500 | 6000 | 20.6 | 7.79 | 1036 | -219.8 | 0.82 | 3 | 16.40 | 0.52 | 0.67 |
| 11:01 | 500 | 8000 | 20.4 | 7.77 | 1039 | -230.9 | 0.61 | 3 | 16.40 | 0.52 | 0.67 |
| 11:05 | 500 | 10000 | 20.4 | 7.77 | 1041 | -237.6 | 0.55 | 3 | 16.40 | 0.52 | 0.67 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-36-090

| Date | 12/04/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 16.52 |
| Water Quality Meter | YSI | Gallons in Well | 3.09 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 92.30 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 75.78 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | - EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 12:45 | MS/MSD Sample Time | |
| Sample ID | MW-36-090-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:28 | 500 | 2000 | 20.1 | 7.35 | 5368 | -166.8 | 1.37 | 11 | 16.57 | 2.91 | 3.49 |
| 12:32 | 500 | 4000 | 20.1 | 7.35 | 531 | -185.2 | 1.18 | 5 | 16.57 | 2.91 | 3.49 |
| 12:36 | 500 | 6000 | 20.0 | 7.34 | 5379 | -200.4 | 1.14 | 3 | 16.57 | 2.91 | 3.49 |
| 12:40 | 500 | 8000 | 20.1 | 7.34 | 5385 | -206.3 | 1.16 | 3 | 16.57 | 2.91 | 3.49 |
| 12:44 | 500 | 10000 | 20.1 | 7.34 | 5396 | -208.9 | 1.16 | 3 | 16.57 | 2.91 | 3.49 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

226 / 409



| Project | Number |
|---------|----------|
| RC0007 | 753.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-36-100

| Date | 12/04/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 17.25 |
| Water Quality Meter | YSI | Gallons in Well | 15.08 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 109.73 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 93 |
| Water Column in | 92.48 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-704-Q419 |
| Did Well Dewater? | No | EB Time | 15:15 |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 14:40 | MS/MSD Sample Time | |
| Sample ID | MW-36-100-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:23 | 500 | 2000 | 20.0 | 7.26 | 7684 | -124.4 | 1.28 | 489 | 17.44 | 4.25 | 4.98 |
| 14:27 | 500 | 4000 | 20.0 | 7.25 | 7700 | -152.3 | 0.83 | 72 | 17.44 | 4.27 | 5.00 |
| 14:31 | 500 | 6000 | 20.0 | 7.25 | 7722 | -163.3 | 0.67 | 12 | 17.44 | 4.27 | 5.02 |
| 14:35 | 500 | 8000 | 20.2 | 7.25 | 7739 | -169.4 | 0.60 | 3 | 17.44 | 4.29 | 5.03 |
| 14:39 | 500 | 10000 | 20.2 | 7.47 | 1015 | -226.7 | 0.56 | 3 | 17.44 | 0.50 | 0.65 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-37D

| Date | 12/19/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 32.11 |
| Water Quality Meter | YSI | Gallons in Well | 31.68 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 226.37 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 190 |
| Water Column in | 194.26 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/19/2019 | MS/MSD Sample ID | |
| Sample Time | 12:44 | MS/MSD Sample Time | |
| Sample ID | MW-37D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:23 | 500 | 2000 | 28.1 | 7.81 | 13813 | 49.6 | 0.79 | 5 | 32.19 | 7.93 | 8.98 |
| 12:27 | 500 | 4000 | 28.3 | 7.79 | 13822 | 47.0 | 0.76 | 4 | 32.19 | 7.94 | 8.97 |
| 12:31 | 500 | 6000 | 28.2 | 7.76 | 13816 | 45.3 | 0.75 | 4 | 32.19 | 7.92 | 8.95 |
| 12:35 | 500 | 8000 | 28.3 | 7.76 | 13807 | 44.6 | 0.75 | 3 | 32.19 | 7.92 | 8.95 |
| 12:39 | 500 | 10000 | 28.3 | 7.76 | 13796 | 44.1 | 0.74 | 3 | 32.19 | 7.92 | 8.95 |
| 12:43 | 500 | 12000 | 28.3 | 7.76 | 13790 | 43.6 | 0.74 | 3 | 32.19 | 7.92 | 8.95 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

230 / 409



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings



231 / 409



Project Number: RC000753.0801

MW-37S

| Date | 12/19/2019 | _ Sampler | Nara Tep |
|-----------------------------|-------------------------|---|------------|
| Weather Conditions | Sunny | _ Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | _ Depth to Water (ft bmp) | 32.18 |
| Water Quality Meter | YSI | _ Gallons in Well | 8.93 |
| Sampling Type | Low Flow – Grundfos RF2 | _ Measured Well Depth (ft bmp) | 86.90 |
| Casing Material | PVC | _ Odor | None |
| Casing Diameter (in) | 2 | _ Pump Intake Depth (ft bmp) | 74 |
| Water Column in | 54.72 | _ Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/19/2019 | MS/MSD Sample ID | |
| Sample Time | 13:20 | MS/MSD Sample Time | |
| Sample ID | MW-37S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 12/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:03 | 500 | 2000 | 28.5 | 7.76 | 7470 | 56.0 | 1.04 | 14 | 32.26 | 4.09 | 4.86 |
| 13:07 | 500 | 4000 | 28.8 | 7.73 | 7470 | 47.0 | 0.96 | 9 | 32.26 | 4.09 | 4.84 |
| 13:11 | 500 | 6000 | 28.9 | 7.73 | 7459 | 44.6 | 0.92 | 7 | 32.26 | 4.09 | 4.84 |
| 13:15 | 500 | 8000 | 28.9 | 7.73 | 7456 | 42.9 | 0.91 | 7 | 32.26 | 4.09 | 4.84 |
| 13:19 | 500 | 10000 | 28.9 | 7.73 | 7455 | 42.3 | 0.91 | 7 | 32.26 | 4.09 | 4.84 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-38D

| Date | 12/18/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 71.10 |
| Water Quality Meter | YSI | Gallons in Well | 18.27 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 183.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 173 |
| Water Column in | 112.01 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 12:56 | MS/MSD Sample Time | |
| Sample ID | MW-38D-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 12/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:39 | 500 | 2000 | 29.8 | 8.59 | 22902 | 39.8 | 0.15 | 23 | 71.23 | 13.73 | 14.83 |
| 12:43 | 500 | 4000 | 30.3 | 8.41 | 22920 | 32.9 | 0.12 | 17 | 71.23 | 13.75 | 14.93 |
| 12:47 | 500 | 6000 | 30.5 | 8.37 | 22851 | 31.0 | 0.10 | 15 | 71.23 | 13.75 | 14.90 |
| 12:51 | 500 | 8000 | 30.5 | 8.36 | 22856 | 30.7 | 0.10 | 15 | 71.23 | 13.75 | 14.91 |
| 12:55 | 500 | 10000 | 30.5 | 8.36 | 22863 | 30.5 | 0.10 | 15 | 71.23 | 13.75 | 14.91 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-38S

| Date | 12/18/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 71.21 |
| Water Quality Meter | YSI | Gallons in Well | 4.43 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 98.35 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 27.14 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 13:32 | MS/MSD Sample Time | |
| Sample ID | MW-38S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/18/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:15 | 500 | 2000 | 30.2 | 7.98 | 1670 | 72.2 | 0.62 | 39 | 71.32 | 0.83 | 1.07 |
| 13:19 | 500 | 4000 | 30.4 | 8.02 | 1645 | 71.7 | 0.51 | 12 | 71.32 | 0.83 | 1.07 |
| 13:23 | 500 | 6000 | 30.4 | 8.03 | 1659 | 71.4 | 0.54 | 6 | 71.32 | 0.83 | 1.07 |
| 13:27 | 500 | 8000 | 30.4 | 8.03 | 1662 | 71.0 | 0.55 | 5 | 71.32 | 0.83 | 1.07 |
| 13:31 | 500 | 10000 | 30.4 | 8.03 | 1662 | 71.0 | 0.55 | 5 | 71.32 | 0.83 | 1.07 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-39-040

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 15.49 |
| Water Quality Meter | YSI | Gallons in Well | 0.98 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 39.57 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 35 |
| Water Column in | 24.08 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 12:10 | MS/MSD Sample Time | |
| Sample ID | MW-39-040-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:53 | 500 | 2000 | 21.2 | 7.49 | 1163 | -198.8 | 0.67 | 10 | 15.62 | 0.44 | 0.74 |
| 11:57 | 500 | 4000 | 21.6 | 7.53 | 1160 | -194.5 | 0.55 | 5 | 15.62 | 0.44 | 0.74 |
| 12:01 | 500 | 6000 | 21.7 | 7.55 | 1160 | -198.8 | 0.49 | 3 | 15.62 | 0.44 | 0.74 |
| 12:05 | 500 | 8000 | 21.9 | 7.55 | 1160 | -188.6 | 0.44 | 3 | 15.62 | 0.44 | 0.74 |
| 12:09 | 500 | 10000 | 21.9 | 7.55 | 1155 | -184.8 | 0.40 | 3 | 15.62 | 0.44 | 0.74 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-39-050

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 15.50 |
| Water Quality Meter | YSI | Gallons in Well | 1.58 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 54.30 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 49.5 |
| Water Column in | 38.80 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 13:26 | MS/MSD Sample Time | |
| Sample ID | MW-39-050-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:09 | 500 | 2000 | 21.6 | 7.94 | 1108 | 8.9 | 0.48 | 5 | 15.60 | 0.44 | 0.71 |
| 13:13 | 500 | 4000 | 21.6 | 7.97 | 1115 | 14.8 | 0.41 | 3 | 15.60 | 0.45 | 0.72 |
| 13:17 | 500 | 6000 | 21.7 | 7.99 | 1118 | 18.3 | 0.37 | 3 | 15.60 | 0.44 | 0.71 |
| 13:21 | 500 | 8000 | 21.6 | 8.01 | 1118 | 20.4 | 0.33 | 3 | 15.60 | 0.45 | 0.72 |
| 13:25 | 500 | 10000 | 21.6 | 8.03 | 1121 | 24.0 | 0.30 | 3 | 15.60 | 0.44 | 0.72 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |







Project Number: RC000753.0801

MW-39-060

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 15.77 |
| Water Quality Meter | YSI | Gallons in Well | 2.02 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 65.40 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 54 |
| Water Column in | 49.63 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-706-Q419 |
| Did Well Dewater? | No | EB Time | 15:00 |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 14:34 | MS/MSD Sample Time | |
| Sample ID | MW-39-060-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:17 | 500 | 2000 | 22.3 | 8.00 | 1418 | -4.8 | 0.44 | 38 | 17.05 | 0.45 | 0.95 |
| 14:21 | 500 | 4000 | 22,3 | 8.01 | 1420 | 3.9 | 0.38 | 22 | 17.05 | 0.45 | 0.95 |
| 14:25 | 500 | 6000 | 22.3 | 8.02 | 1422 | 16.8 | 0.33 | 14 | 17.05 | 0.45 | 0.95 |
| 14:29 | 500 | 8000 | 22.3 | 8.02 | 1426 | 20.8 | 0.30 | 4 | 17.05 | 0.45 | 0.95 |
| 14:33 | 500 | 10000 | 22.3 | 8.03 | 1425 | 24.8 | 0.25 | 3 | 17.05 | 0.45 | 0.95 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-39-070

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 16.16 |
| Water Quality Meter | YSI | Gallons in Well | 2.26 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 71.58 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 65 |
| Water Column in | 55.42 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 12:50 | MS/MSD Sample Time | |
| Sample ID | MW-39-070-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:33 | 500 | 2000 | 21.6 | 7.98 | 2086 | -35.2 | 0.41 | 6 | 16.20 | 1.08 | 1.33 |
| 12:37 | 500 | 4000 | 21.5 | 7.96 | 2088 | -20.3 | 0.37 | 3 | 16.20 | 1.08 | 1.33 |
| 12:41 | 500 | 6000 | 21.6 | 7.95 | 2090 | -8.4 | 0.29 | 3 | 16.20 | 1.08 | 1.33 |
| 12:45 | 500 | 8000 | 21.5 | 7.92 | 2092 | 4.8 | 0.26 | 3 | 16.20 | 1.08 | 1.33 |
| 12:49 | 500 | 10000 | 21.5 | 7.90 | 2092 | 8.8 | 0.24 | 3 | 16.20 | 1.08 | 1.33 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-39-080

| Date | 12/05/2019 | Sampler | Matt Trainotti |
|-----------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 16.11 |
| Water Quality Meter | YSI | Gallons in Well | 2.69 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 82.18 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 75 |
| Water Column in | 66.07 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 13:58 | MS/MSD Sample Time | |
| Sample ID | MW-39-080-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:41 | 500 | 2000 | 22.4 | 8.01 | 3056 | -190.9 | 0.38 | 3 | 16.16 | 1.59 | 1.96 |
| 13:45 | 500 | 4000 | 22.4 | 8.03 | 3878 | -192.8 | 0.33 | 3 | 16.16 | 1.59 | 1.96 |
| 13:49 | 500 | 6000 | 22.4 | 8.05 | 4480 | -194.8 | 0.30 | 3 | 16.16 | 1.59 | 1.96 |
| 13:53 | 500 | 8000 | 22.4 | 8.05 | 4689 | -202.8 | 0.27 | 3 | 16.16 | 1.59 | 1.96 |
| 13:57 | 500 | 10000 | 22.4 | 8.07 | 4909 | -206.6 | 0.22 | 3 | 16.16 | 1.59 | 1.96 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-39-100

| Date | 12/05/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 16.25 |
| Water Quality Meter | YSI | Gallons in Well | 16.59 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 117.98 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 90 |
| Water Column in | 101.73 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 13:30 | MS/MSD Sample Time | |
| Sample ID | MW-39-100-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/05/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:09 | 500 | 2000 | 22.4 | 7.26 | 13029 | 38.6 | 0.17 | 139 | 16.30 | 7.37 | 8.18 |
| 13:13 | 500 | 4000 | 22.4 | 7.30 | 10383 | 33.2 | 0.14 | 69 | 16.30 | 5.94 | 6.83 |
| 13:17 | 500 | 6000 | 22.5 | 7.31 | 12896 | 31.9 | 0.11 | 27 | 16.30 | 7.50 | 8.48 |
| 13:21 | 500 | 8000 | 22.5 | 7.31 | 13059 | 30.6 | 0.11 | 9 | 16.30 | 7.53 | 8.50 |
| 13:25 | 500 | 10000 | 22.5 | 7.32 | 13050 | 30.3 | 0.12 | 8 | 16.30 | 7.53 | 8.50 |
| 13:29 | 500 | 12000 | 22.5 | 7.32 | 13053 | 30.1 | 0.12 | 8 | 16.30 | 7.53 | 8.50 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

248 / 409



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-40D

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 111.50 |
| Water Quality Meter | YSI | Gallons in Well | 25.09 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 265.32 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 250 |
| Water Column in | 153.82 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 09:48 | MS/MSD Sample Time | |
| Sample ID | MW-40D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:27 | 500 | 2000 | 30.0 | 7.59 | 15917 | 38.1 | 0.25 | 11 | 111.59 | 9.26 | 10.35 |
| 09:31 | 500 | 4000 | 30.2 | 7.62 | 16023 | 29.9 | 0.26 | 5 | 111.59 | 9.34 | 10.43 |
| 09:35 | 500 | 6000 | 30.5 | 7.62 | 16279 | 27.0 | 0.29 | 4 | 111.59 | 9.53 | 10.71 |
| 09:39 | 500 | 8000 | 30.7 | 7.65 | 16686 | 26.6 | 0.47 | 4 | 111.59 | 9.73 | 10.86 |
| 09:43 | 500 | 10000 | 30.7 | 7.65 | 16758 | 25.9 | 0.51 | 4 | 111.59 | 9.74 | 10.88 |
| 09:47 | 500 | 12000 | 30.8 | 7.65 | 16763 | 25.3 | 0.52 | 4 | 111.59 | 9.74 | 10.88 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

250 / 409



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

MW-40S

| Date | 12/11/2019 | Sampler | Nara Tep |
|-----------------------------|-------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 110.91 |
| Water Quality Meter | YSI | Gallons in Well | 3.72 |
| Sampling Type | Hydrasleeve | Measured Well Depth (ft bmp) | 133.71 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | |
| Water Column in | 22.8 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 10:00 | MS/MSD Sample Time | |
| Sample ID | MW-40S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:00 | | | 25.8 | 7.22 | 2049 | 76.9 | 3.21 | 9 | | 1.05 | 1.33 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-41D

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 25.10 |
| Water Quality Meter | YSI | Gallons in Well | 43.37 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 291.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 281 |
| Water Column in | 265.9 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/17/2019 | MS/MSD Sample ID | |
| Sample Time | 13:18 | MS/MSD Sample Time | |
| Sample ID | MW-41D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:01 | 500 | 2000 | 27.0 | 7.80 | 20117 | 36.9 | 0.30 | 3 | 25.20 | 11.97 | 13.07 |
| 13:05 | 500 | 4000 | 27.0 | 7.79 | 20269 | 32.6 | 0.26 | 2 | 25.20 | 12.07 | 13.32 |
| 13:09 | 500 | 6000 | 27.1 | 7.83 | 22078 | 23.9 | 0.23 | 2 | 25.20 | 13.26 | 14.37 |
| 13:13 | 500 | 8000 | 27.3 | 7.84 | 22157 | 21.7 | 0.20 | 2 | 25.20 | 13.29 | 14.40 |
| 13:17 | 500 | 10000 | 27.3 | 7.84 | 22163 | 21.0 | 0.19 | 2 | 25.20 | 13.30 | 14.41 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings



255 / 409



Project Number: RC000753.0801

MW-41M

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 25.32 |
| Water Quality Meter | YSI | Gallons in Well | 26.86 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 190.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 180 |
| Water Column in | 164.68 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/17/2019 | MS/MSD Sample ID | |
| Sample Time | 14:00 | MS/MSD Sample Time | |
| Sample ID | MW-41M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:43 | 500 | 2000 | 27.7 | 7.76 | 15397 | 29.6 | 0.32 | 76 | 25.40 | 8.94 | 10.00 |
| 13:47 | 500 | 4000 | 27.8 | 7.74 | 15374 | 30.5 | 0.29 | 27 | 25.40 | 8.92 | 9.98 |
| 13:51 | 500 | 6000 | 28.0 | 7.74 | 15328 | 25.0 | 0.26 | 10 | 25.40 | 8.88 | 9.95 |
| 13:55 | 500 | 8000 | 28.0 | 7.74 | 15320 | 23.5 | 0.25 | 9 | 25.40 | 8.88 | 9.95 |
| 13:59 | 500 | 10000 | 28.1 | 7.74 | 15318 | 23.1 | 0.25 | 9 | 25.40 | 8.88 | 9.95 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-41S

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 25.91 |
| Water Quality Meter | YSI | Gallons in Well | 5.81 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 61.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 50 |
| Water Column in | 35.6 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-729-Q419 |
| Did Well Dewater? | No | EB Time | 15:00 |
| Sample Date | 12/17/2019 | MS/MSD Sample ID | |
| Sample Time | 14:42 | MS/MSD Sample Time | |
| Sample ID | MW-41S-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:25 | 500 | 2000 | 28.0 | 7.80 | 7050 | 53.1 | 3.92 | 53 | 25.99 | 3.85 | 4.60 |
| 14:29 | 500 | 4000 | 28.3 | 7.82 | 7048 | 51.6 | 3.86 | 27 | 25.99 | 3.85 | 4.58 |
| 14:33 | 500 | 6000 | 28.3 | 7.82 | 7045 | 55.2 | 3.87 | 16 | 25.99 | 3.85 | 4.60 |
| 14:37 | 500 | 8000 | 28.3 | 7.84 | 7054 | 56.3 | 3.84 | 15 | 25.99 | 3.85 | 4.57 |
| 14:41 | 500 | 10000 | 28.3 | 7.84 | 7056 | 56. | 3.84 | 15 | 25.99 | 3.85 | 4.57 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-42-030

| Date | 12/11/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 11.23 |
| Water Quality Meter | YSI | Gallons in Well | 3.04 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 29.88 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 19.8 |
| Water Column in | 18.65 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 10:16 | MS/MSD Sample Time | |
| Sample ID | MW-42-030-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:59 | 500 | 2000 | 21.8 | 7.85 | 3412 | -124.5 | 0.43 | 4 | 11.29 | 1.79 | 2.21 |
| 10:03 | 500 | 4000 | 22.6 | 7.95 | 3091 | -130.2 | 0.15 | 3 | 11.29 | 1.60 | 1.99 |
| 10:07 | 500 | 6000 | 22.7 | 7.96 | 3078 | -129.7 | 0.14 | 3 | 11.29 | 1.60 | 1.99 |
| 10:11 | 500 | 8000 | 22.7 | 7.98 | 3041 | -131.2 | 0.11 | 3 | 11.29 | 1.60 | 1.99 |
| 10:15 | 500 | 10000 | 22.7 | 7.98 | 3040 | -131.6 | 0.10 | 3 | 11.29 | 1.60 | 1.9 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-42-055

| Date | 12/11/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 11.24 |
| Water Quality Meter | YSI | Gallons in Well | 7.19 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 55.30 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 47.5 |
| Water Column in | 44.06 | Total Volume to Remove | 7.19 |
| Well | | EB Sample ID | Mw-42-055-eb-q419 |
| Did Well Dewater? | No | EB Time | 09:20 |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 09:44 | MS/MSD Sample Time | |
| Sample ID | MW-42-055-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:27 | 500 | 2000 | 20.5 | 8.15 | 1020 | 74.0 | 0.56 | 2 | 11.30 | 0.49 | 0.64 |
| 09:31 | 500 | 4000 | 20.8 | 8.12 | 991 | -80.7 | 0.34 | 2 | 11.30 | 0.49 | 0.64 |
| 09:35 | 500 | 6000 | 20.8 | 8.10 | 989 | -82.8 | 0.28 | 2 | 11.30 | 0.49 | 0.64 |
| 09:39 | 500 | 8000 | 20.7 | 8.11 | 991 | -83.0 | 0.15 | 2 | 11.30 | 0.49 | 0.64 |
| 09:43 | 500 | 10000 | 20.7 | 8.11 | 991 | -83.9 | 0.13 | 2 | 11.30 | 0.49 | 0.64 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-42-065

| Date | 12/11/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 10.71 |
| Water Quality Meter | YSI | Gallons in Well | 8.87 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 65.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 61 |
| Water Column in | 54.4 | Total Volume to Remove | 8.87 |
| Well | | EB Sample ID | Mw-42-065-eb-q418 |
| Did Well Dewater? | No | EB Time | 08:50 |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 09:13 | MS/MSD Sample Time | |
| Sample ID | MW-42-065-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:56 | 500 | 2000 | 20.5 | 7.49 | 3008 | 77.0 | 0.78 | 4 | 10.77 | 0.89 | 1.14 |
| 09:00 | 500 | 4000 | 20.5 | 7.40 | 3014 | 70.8 | 0.60 | 3 | 10.77 | 1.01 | 1.29 |
| 09:04 | 500 | 6000 | 20.6 | 7.35 | 3022 | 65.5 | 0.37 | 3 | 10.77 | 1.37 | 1.72 |
| 09:08 | 500 | 8000 | 20.7 | 7.33 | 3045 | 62.3 | 0.28 | 3 | 10.77 | 1.59 | 1.98 |
| 09:12 | 500 | 10000 | 20.8 | 7.34 | 3133 | 60.3 | 0.25 | 3 | 10.77 | 1.60 | 1.98 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-43-025

| Date | 12/12/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Brown |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 10.04 |
| Water Quality Meter | YSI | Gallons in Well | 2.29 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 24.09 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 20 |
| Water Column in | 14.05 | Total Volume to Remove | 2.29 |
| Well | | EB Sample ID | Mw-43-025-eb-q419 |
| Did Well Dewater? | No | EB Time | 09:53 |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 10:15 | MS/MSD Sample Time | |
| Sample ID | MW-43-025-Q419 | Double Filter Turbidity | 4 |
| Single Filter Turbidity | 9 | Post Sampling Turbidity | |
| Without Filter Turbidity | 231 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:58 | 500 | 2000 | 21.7 | 7.27 | 1656 | -124.5 | 0.55 | 73 | 10.20 | 0.84 | 1.07 |
| 10:02 | 500 | 4000 | 21.8 | 7.28 | 1651 | -129.8 | 0.17 | 233 | 10.20 | 0.83 | 1.07 |
| 10:06 | 500 | 6000 | 21.7 | 7.30 | 1640 | -138.8 | 0.18 | 226 | 10.20 | 0.83 | 1.07 |
| 10:10 | 500 | 8000 | 21.8 | 7.29 | 1642 | -140.2 | 0.17 | 228 | 10.20 | 0.83 | 1.07 |
| 10:14 | 500 | 10000 | 21.8 | 7.29 | 1644 | -141.5 | 0.16 | 231 | 10.20 | 0.83 | 1.07 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |

Photos and Drawings

Feb 4, 2020, 4:40 PM





Project Number: RC000753.0801

MW-43-075

| Date | 12/12/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|---|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 10.36 |
| Water Quality Meter | YSI | _ Gallons in Well | 10.47 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 74.56 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 70 |
| Water Column in | 64.2 | Total Volume to Remove | 10.47 |
| Well | | EB Sample ID | Mw-43-075-eb-q419 |
| Did Well Dewater? | No | - EB Time | 09:24 |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 09:47 | MS/MSD Sample Time | |
| Sample ID | MW-43-075-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | - Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:30 | 500 | 2000 | 20.9 | 7.04 | 12084 | -118.8 | 0.32 | 2 | 10.40 | 6.39 | 7.31 |
| 09:34 | 500 | 4000 | 21.0 | 7.02 | 12083 | -124.8 | 0.22 | 2 | 10.40 | 6.63 | 7.65 |
| 09:38 | 500 | 6000 | 20.9 | 7.03 | 12089 | -128.8 | 0.17 | 2 | 10.40 | 6.95 | 7.87 |
| 09:42 | 500 | 8000 | 21.0 | 7.04 | 12092 | -130.2 | 0.15 | 2 | 10.40 | 6.98 | 7.91 |
| 09:46 | 500 | 1000 | 21.0 | 7.04 | 12098 | -130.5 | 0.13 | 2 | 10.40 | 6.98 | 7.91 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project | Number |
|---------|----------|
| RC0007 | 753.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-43-090

| Date | 12/12/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 10.59 |
| Water Quality Meter | YSI | Gallons in Well | 12.9 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 89.66 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 85 |
| Water Column in | 79.07 | Total Volume to Remove | 12.9 |
| Well | | EB Sample ID | Mw-43-090-eb-q419 |
| Comments | Low flow | EB Time | 08:51 |
| Did Well Dewater? | No | MS/MSD Sample ID | |
| Sample Date | 12/12/2019 | MS/MSD Sample Time | |
| Sample Time | 09:13 | Double Filter Turbidity | |
| Sample ID | MW-43-090-Q419 | Post Sampling Turbidity | |
| Single Filter Turbidity | 1 | Purge Date | 12/12/2019 |
| Without Filter | 4 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:56 | 500 | 2000 | 20.3 | 6.95 | 16696 | -18.0 | 0.58 | 5 | 10.63 | 9.83 | 10.84 |
| 09:00 | 500 | 4000 | 20.4 | 6.91 | 16721 | -20.5 | 0.33 | 4 | 10.63 | 9.85 | 10.86 |
| 09:04 | 500 | 6000 | 20.5 | 6.92 | 16959 | -23.9 | 0.25 | 4 | 10.63 | 10.01 | 11.03 |
| 09:08 | 5000 | 8000 | 20.7 | 6.92 | 17060 | -29.9 | 0.21 | 4 | 10.63 | 10.44 | 11.47 |
| 09:12 | 500 | 10000 | 20.8 | 6.92 | 17198 | -33.8 | 0.20 | 4 | 10.63 | 1052 | 11.55 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-44-070

| Date | 12/11/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.45 |
| Water Quality Meter | YSI | Gallons in Well | 8.23 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 69.90 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 66 |
| Water Column in | 50.45 | Total Volume to Remove | 8.23 |
| Well | | EB Sample ID | Mw-44-070-eb-q419 |
| Did Well Dewater? | No | - EB Time | 13:47 |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 14:11 | MS/MSD Sample Time | |
| Sample ID | MW-44-070-Q419 | - Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | - Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:54 | 500 | 2000 | 20.5 | 7.58 | 1106 | -93.4 | 0.47 | 12 | 19.50 | 0.55 | 0.71 |
| 13:58 | 500 | 4000 | 20.3 | 7.55 | 1126 | -102.4 | 0.20 | 5 | 19.50 | 0.56 | 0.73 |
| 14:02 | 500 | 6000 | 20.3 | 7.57 | 1137 | -105.2 | 0.17 | 5 | 19.50 | 0.57 | 0.74 |
| 14:06 | 500 | 8000 | 20.2 | 7.56 | 1144 | -113.3 | 0.16 | 5 | 19.50 | 0.57 | 0.74 |
| 14:10 | 500 | 10000 | 20.2 | 7.56 | 1148 | -115.5 | 0.15 | 5 | 19.50 | 0.57 | 0.74 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-44-115

| Date | 12/11/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.92 |
| Water Quality Meter | YSI | Gallons in Well | 15.48 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 114.84 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 110 |
| Water Column in | 94.92 | Total Volume to Remove | 15.48 |
| Well | | EB Sample ID | Eb-722-q419 |
| Did Well Dewater? | No | EB Time | 14:50 |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 14:43 | MS/MSD Sample Time | |
| Sample ID | MW-44-115-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:26 | 500 | 2000 | 20.1 | 7.79 | 11415 | 19.7 | 0.72 | 2 | 20.00 | 6.53 | 7.42 |
| 14:30 | 500 | 4000 | 20.3 | 7.83 | 11434 | 1.2 | 0.45 | 2 | 20.00 | 6.53 | 7.42 |
| 14:34 | 500 | 6000 | 20.4 | 7.80 | 11360 | -6.0 | 0.39 | 2 | 20.00 | 6.49 | 7.39 |
| 14:38 | 500 | 8000 | 20.4 | 7.81 | 11349 | -9.0 | 0.36 | 2 | 20.00 | 6.48 | 7.37 |
| 14:42 | 500 | 10000 | 20.4 | 7.82 | 11339 | -10.9 | 0.30 | 2 | 20.00 | 6.47 | 7.36 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-44-125

| Date | 12/11/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 19.60 |
| Water Quality Meter | YSI | Gallons in Well | 17.14 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 124.71 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 120.5 |
| Water Column in | 105.11 | Total Volume to Remove | 17.14 |
| Well | | EB Sample ID | Mw-44-125-eb-q419 |
| Did Well Dewater? | No | EB Time | 13:07 |
| Sample Date | 12/11/2019 | MS/MSD Sample ID | |
| Sample Time | 13:31 | MS/MSD Sample Time | |
| Sample ID | MW-44-125-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/11/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:14 | 500 | 2000 | 20.6 | 7.48 | 14446 | -44.8 | 0.48 | 10 | 19.71 | 0.77 | 1.00 |
| 13:18 | 500 | 4000 | 20.7 | 7.50 | 14537 | -44.4 | 0.38 | 2 | 19.71 | 1.02 | 1.39 |
| 13:22 | 500 | 6000 | 20.7 | 7.51 | 14630 | -43.9 | 0.26 | 2 | 19.71 | 8.24 | 9.26 |
| 13:26 | 500 | 8000 | 20.7 | 7.52 | 14959 | -44.5 | 0.23 | 2 | 19.71 | 8.82 | 9.82 |
| 13:30 | 500 | 10000 | 20.7 | 7.53 | 15334 | -46.9 | 0.20 | 2 | 19.71 | 8.98 | 9.99 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-46-175

| Date | 12/04/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 29.77 |
| Water Quality Meter | YSI | Gallons in Well | 23.68 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 174.97 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 170 |
| Water Column in | 145.2 | Total Volume to Remove | 23.68 |
| Well | | EB Sample ID | Eb-796-Q419 |
| Did Well Dewater? | No | EB Time | 15:40 |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 15:36 | MS/MSD Sample Time | |
| Sample ID | MW-46-175-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:19 | 500 | 2000 | 17.4 | 8.14 | 19559 | 126.1 | 1.74 | 8 | 29.91 | 11.50 | 12.53 |
| 15:23 | 500 | 4000 | 17.2 | 8.16 | 19322 | 125.1 | 1.68 | 7 | 29.94 | 11.54 | 12.56 |
| 15:27 | 500 | 6000 | 17.1 | 8.16 | 19340 | 124.6 | 1.63 | 7 | 29.94 | 11.55 | 12.571 |
| 15:31 | 500 | 8000 | 17.0 | 8.18 | 19344 | 124.1 | 1.59 | 7 | 29.94 | 11.55 | 12.57 |
| 15:35 | 500 | 10000 | 16.9 | 8.18 | 19364 | 123.8 | 1.55 | 7 | 29.94 | 11.55 | 12.57 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-46-205

| Date | 12/04/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 29.89 |
| Water Quality Meter | YSI | Gallons in Well | 28.58 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 205.14 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 200 |
| Water Column in | 175.25 | Total Volume to Remove | 28.58 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 15:05 | MS/MSD Sample Time | |
| Sample ID | MW-46-205-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:48 | 500 | 2000 | 18.0 | 7.74 | 19879 | 148.7 | 1.78 | 10 | 29.96 | 11.91 | 12.95 |
| 14:52 | 500 | 4000 | 17.8 | 7.83 | 20059 | 144.7 | 1.52 | 12 | 29.96 | 12.10 | 13.13 |
| 14:56 | 500 | 6000 | 17.7 | 7.88 | 20219 | 142.9 | 1.42 | 9 | 29.96 | 12.11 | 13.13 |
| 15:00 | 500 | 8000 | 17.6 | 7.91 | 20205 | 141.5 | 1.35 | 9 | 29.96 | 12.11 | 13.13 |
| 15:04 | 500 | 10000 | 17.5 | 7.94 | 20229 | 140.1 | 1.37 | 9 | 29.96 | 12.11 | 13.13 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-47-055

| Date | 12/04/2019 | Sampler | |
|-------------------------|----------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Water Column in | 25.06 | Depth to Water (ft bmp) | 30.14 |
| Well | | Gallons in Well | |
| Did Well Dewater? | No | Measured Well Depth (ft bmp) | 55.20 |
| Sample Date | 12/04/2019 | Odor | None |
| Sample Time | 12:42 | Pump Intake Depth (ft bmp) | |
| Sample ID | MW-47-055-Q419 | Total Volume to Remove | |
| Single Filter Turbidity | 3 | EB Sample ID | |
| Without Filter | 7 | EB Time | |
| Turbidity | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/04/2019 |

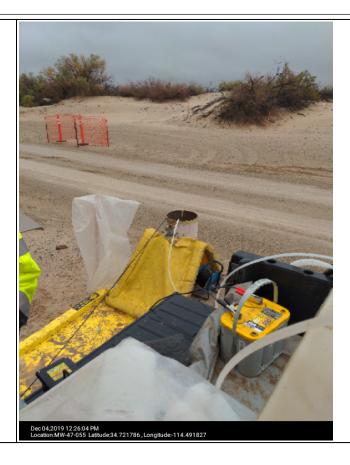
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:25 | 500 | 2000 | 26.2 | 7.73 | 3699 | 70.0 | 3.28 | 7 | 30.26 | 1.94 | 2.40 |
| 12:29 | 500 | 4000 | 26.6 | 7.62 | 4750 | 73.9 | 3.16 | 6 | 30.26 | 1.97 | 2.44 |
| 12:33 | 500 | 6000 | 26.5 | 7.55 | 4702 | 77.6 | 2.35 | 7 | 30.26 | 2.52 | 3.07 |
| 12:37 | 500 | 8000 | 26.6 | 7.50 | 4748 | 77.0 | 2.32 | 7 | 30.26 | 2.53 | 3.08 |
| 12:41 | 500 | 10000 | 26.5 | 7.50 | 4754 | 76.7 | 2.29 | 7 | 30.26 | 2.54 | 3.09 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-47-115

| Date | 12/04/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 30.44 |
| Water Quality Meter | YSI | Gallons in Well | 13.81 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 115.11 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 110 |
| Water Column in | 84.67 | Total Volume to Remove | 13.81 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 12:12 | MS/MSD Sample Time | |
| Sample ID | MW-47-115-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:55 | 500 | 2000 | 26.6 | 7.70 | 13078 | 26.7 | 0.99 | 6 | 30.59 | 7.51 | 8.51 |
| 11:59 | 500 | 4000 | 26.9 | 7.60 | 14505 | 26.5 | 0.38 | 4 | 30.59 | 8.40 | 9.44 |
| 12:03 | 500 | 6000 | 26.9 | 7.58 | 14741 | 26.0 | 0.25 | 4 | 30.59 | 8.54 | 9.58 |
| 12:07 | 500 | 8000 | 26.8 | 7.57 | 14769 | 22.5 | 0.20 | 4 | 30.59 | 8.55 | 9.60 |
| 12:11 | 500 | 10000 | 26.8 | 7.55 | 14822 | 20.9 | 0.23 | 4 | 30.59 | 8.55 | 9.60 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-48

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 31.91 |
| Water Quality Meter | YSI | Gallons in Well | 16.98 |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | 136.01 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 133 |
| Water Column in | 104.1 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/19/2019 | MS/MSD Sample ID | |
| Sample Time | 08:30 | MS/MSD Sample Time | |
| Sample ID | MW-48-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 16 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:30 | | | 26.5 | 7.96 | 18550 | 80.5 | 3.42 | 16 | 81.20 | 11.02 | 12.08 |
| 09:57 | 1 | 4 | 28.2 | 7.86 | 18787 | 47.6 | 2.18 | 12 | 56.83 | 11.09 | 12.20 |
| 10:01 | 1 | 8 | 28.2 | 7.79 | 18748 | 45.0 | 2.34 | 43 | 81.09 | 11.05 | 12.16 |
| 10:05 | 1 | 12 | 28.2 | 7.78 | 18693 | 44.3 | 2.33 | 11 | 106.11 | 11.03 | 12.14 |
| 10:09 | 1 | 16 | 28.4 | 7.78 | 18756 | 42.6 | 2.35 | 8 | 130.09 | 11.09 | 12.21 |
| 10:10 | 1 | 17 | | | | | | | | | |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |



| Project Number |
|----------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-49-135

| Date | 12/10/2019 | Sampler | Riggie |
|-----------------------------|---------------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 3 |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | 33.19 |
| Water Quality Meter | YSI | Gallons in Well | 10.29 |
| Sampling Type | Volume Purge – Check ball valve | Measured Well Depth (ft bmp) | 145.31 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 1.5 | Pump Intake Depth (ft bmp) | 144 |
| Water Column in | 112.12 | Total Volume to Remove | 30.87 |
| Well | | EB Sample ID | Mw-49-135-eb-q419 |
| Did Well Dewater? | No | EB Time | 14:05 |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 14:36 | MS/MSD Sample Time | |
| Sample ID | MW-49-135-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:10 | 1 | 5 | 21.0 | 7.66 | 13818 | -133.9 | 0.21 | 9 | 33.30 | 8.00 | 8.97 |
| 14:15 | 1 | 10 | 20.9 | 7.69 | 13793 | -140.8 | 0.18 | 9 | 33.30 | 8.00 | 8.97 |
| 14:20 | 1 | 15 | 20.9 | 7.70 | 13781 | -144.2 | 0.10 | 9 | 33.30 | 8.00 | 8.97 |
| 14:25 | 1 | 20 | 20.9 | 7.71 | 13770 | -150.9 | 0.12 | 9 | 33.30 | 8.00 | 8.97 |
| 14:30 | 1 | 25 | 20.8 | 7.71 | 13759 | -155.2 | 0.13 | 9 | 33.30 | 8.00 | 8.97 |
| 14:35 | 1 | 31 | 20.8 | 7.72 | 13751 | -160.2 | 0.12 | 9 | 33.30 | 8.00 | 8.97 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-49-275

| Date | 12/05/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 31.19 |
| Water Quality Meter | YSI | Gallons in Well | 39.73 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 274.77 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 270 |
| Water Column in | 243.58 | Total Volume to Remove | 39.73 |
| Well | | EB Sample ID | Mw-49-275-eb-q419 |
| Did Well Dewater? | No | EB Time | 14:55 |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 15:22 | MS/MSD Sample Time | |
| Sample ID | MW-49-275-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/05/2019 |

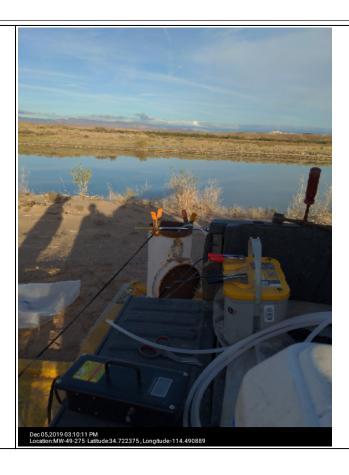
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 15:05 | 500 | 2000 | 24.5 | 7.22 | 12575 | 137.6 | 0.99 | 3 | 31.33 | 7.19 | 8.13 |
| 15:09 | 500 | 4000 | 25.0 | 7.18 | 12662 | 130.5 | 0.88 | 2 | 31.33 | 17.19 | 20.22 |
| 15:13 | 500 | 6000 | 25.2 | 7.15 | 12770 | 128.5 | 0.87 | 2 | 31.33 | 17.20 | 20.23 |
| 15:17 | 500 | 8000 | 25.5 | 7.10 | 12780 | 125.0 | 0.72 | 2 | 31.33 | 17.20 | 20.23 |
| 15:21 | 500 | 10000 | 25.3 | 7.12 | 12823 | 120.9 | 0.69 | 2 | 31.33 | 17.20 | 20.23 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-49-365

| Date | 12/05/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 32.75 |
| Water Quality Meter | YSI | Gallons in Well | 54.14 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 364.66 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 360 |
| Water Column in | 331.91 | Total Volume to Remove | 54.14 |
| Well | | EB Sample ID | Mw-49-365-eb-q419 |
| Did Well Dewater? | NA | EB Time | 14:10 |
| Sample Date | 12/05/2019 | MS/MSD Sample ID | |
| Sample Time | 14:39 | MS/MSD Sample Time | |
| Sample ID | MW-49-365-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/05/2019 |

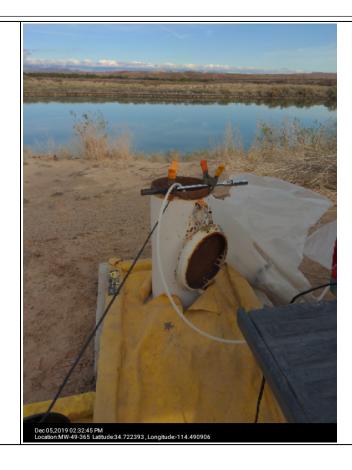
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:22 | 500 | 2000 | 23.1 | 7.59 | 35616 | 163.6 | 1.43 | 10 | 32.88 | 22.48 | 23.16 |
| 14:26 | 500 | 4000 | 23.2 | 7.40 | 36058 | 155.6 | 1.12 | 9 | 32.88 | 22.80 | 23.47 |
| 14:30 | 500 | 6000 | 23.2 | 7.32 | 36130 | 151.6 | 1.01 | 9 | 32.88 | 22.85 | 23.54 |
| 14:34 | 500 | 8000 | 22.9 | 7.22 | 36319 | 149.2 | 0.87 | 9 | 32.88 | 22.97 | 23.61 |
| 14:38 | 500 | 10000 | 22.8 | 7.23 | 36322 | 147.8 | 0.90 | 9 | 32.88 | 22.96 | 23.60 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-50-095

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 43.12 |
| Water Quality Meter | YSI | Gallons in Well | 8.63 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 96.00 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 90 |
| Water Column in | 52.88 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 11:27 | MS/MSD Sample Time | |
| Sample ID | MW-50-095-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/12/2019 |

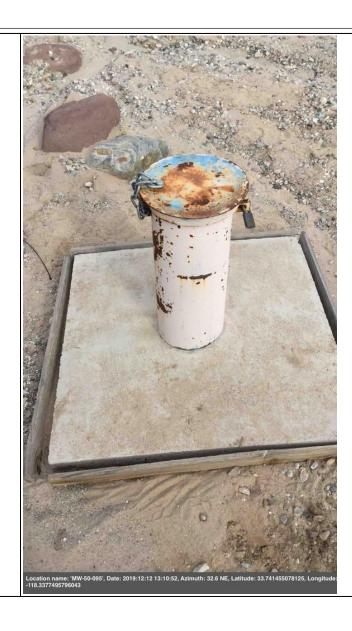
Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:13 | 500 | 2000 | 28.5 | 7.60 | 5908 | 177.8 | 1.86 | 12 | 43.12 | 3.33 | 3.78 |
| 11:25 | 500 | 4000 | 28.6 | 7.55 | 5932 | 172.8 | 1.66 | 3 | 43.12 | 3.33 | 3.79 |
| 11:25 | 500 | 6000 | 28.5 | 7.53 | 5976 | 168.9 | 1.55 | 3 | 43.12 | 3.35 | 3.80 |
| 11:25 | 500 | 8000 | 28.6 | 7.50 | 6004 | 163.8 | 1.49 | 3 | 43.12 | 3.37 | 3.84 |
| 11:26 | 500 | 10000 | 28.5 | 7.50 | 6054 | 162.8 | 1.24 | 3 | 43.12 | 3.38 | 3.87 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-50-200

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 43.48 |
| Water Quality Meter | YSI | Gallons in Well | 26.11 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 203.55 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 195 |
| Water Column in | 160.07 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 12:36 | MS/MSD Sample Time | |
| Sample ID | MW-50-200-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-919-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 12:46 | Purge Date | 12/12/2019 |
| Single Filter Turbidity | 1 | . 5.90 2 5.00 | |
| Without Filter | 1 | | |

Field Parameters

Turbidity

| TOTA I GIG | 11101010 | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 12:19 | 500 | 2000 | 29.2 | 7.53 | 20386 | 280.5 | 1.71 | 3 | 43.98 | 12.76 | 13.04 |
| 12:23 | 500 | 4000 | 29.3 | 7.57 | 20567 | 263.4 | 1.55 | 1 | 43.98 | 12.76 | 13.04 |
| 12:27 | 500 | 2000 | 29.3 | 7.60 | 20564 | 245.8 | 1.44 | 1 | 43.98 | 12.76 | 13.04 |
| 12:31 | 500 | 8000 | 29.5 | 7.62 | 20708 | 233.8 | 1.22 | 1 | 43.98 | 12.76 | 13.04 |
| 12:35 | 500 | 10000 | 29.4 | 7.61 | 20754 | 229.8 | 1.13 | 1 | 43.98 | 12.76 | 13.04 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |
| Action Completed? | | Х | | |





Project Number: RC000753.0801

MW-51

| Date | 12/12/2019 | Sampler | Matt Trainotti |
|-------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 47.90 |
| Water Quality Meter | YSI | Gallons in Well | 42.30 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 112.73 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | 104.5 |
| Water Column in | 64.83 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 09:30 | MS/MSD Sample Time | |
| Sample ID | MW-51-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | MW-920-Q419 | Post Sampling Turbidity | |
| Dup Sample Time | 09:40 | Purge Date | 12/12/2019 |
| Single Filter Turbidity | 1 | Ŭ | |
| Without Filter | 1 | | |

Field Parameters

Turbidity

| 1014 1 414 | | | | | | | | | | | |
|------------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
| 09:12 | 500 | 2000 | 30.0 | 7.03 | 12345 | 233.6 | 1.88 | 3 | 48.04 | 7.20 | 7.90 |
| 09:16 | 500 | 4000 | 30.1 | 7.07 | 12456 | 220.8 | 1.55 | 1 | 48.04 | 7.20 | 7.90 |
| 09:20 | 500 | 6000 | 30.1 | 7.07 | 12510 | 209.7 | 1.27 | 1 | 48.02 | 7.20 | 7.90 |
| 09:24 | 500 | 8000 | 30.1 | 7.10 | 12578 | 203.6 | 1.24 | 1 | 48.02 | 7.23 | 7.94 |
| 09:28 | 500 | 10000 | 30.0 | 7.11 | 12703 | 200.9 | 1.22 | 1 | 48.02 | 7.23 | 7.94 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |



| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |
| Action Completed? | | Х | | |





Project Number: RC000753.0801

MW-52D

| Date | 12/12/2019 | Sampler | Riggie |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 9.74 |
| Water Quality Meter | YSI | Gallons in Well | 3.15 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 87.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 86 |
| Water Column in | 77.26 | Total Volume to Remove | 3.15 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 12:24 | MS/MSD Sample Time | |
| Sample ID | MW-52D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:07 | 500 | 2000 | 19.8 | 7.89 | 21664 | -145.7 | 0.45 | 1 | 9.78 | 13.05 | 14.08 |
| 12:11 | 500 | 4000 | 19.8 | 7.90 | 21691 | -148.5 | 0.25 | 1 | 9.78 | 13.07 | 14.09 |
| 12:15 | 500 | 6000 | 19.8 | 7.91 | 21704 | -146.8 | 0.21 | 1 | 9.78 | 13.08 | 14.11 |
| 12:19 | 500 | 8000 | 19.7 | 7.92 | 21705 | -144.9 | 0.14 | 1 | 9.78 | 13.08 | 14.11 |
| 12:23 | 500 | 10000 | 19.7 | 7.92 | 21706 | -142.0 | 0.13 | 1 | 9.78 | 13.08 | 14.11 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |





Project Number: RC000753.0801

MW-52M

| Date | 12/12/2019 | Sampler | Riggie |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 9.66 |
| Water Quality Meter | YSI | Gallons in Well | 2.38 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 68.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 67 |
| Water Column in | 58.34 | Total Volume to Remove | 2.38 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 11:53 | MS/MSD Sample Time | |
| Sample ID | MW-52M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:36 | 500 | 2000 | 19.4 | 7.37 | 16402 | -104.6 | 0.88 | 1 | 9.70 | 9.65 | 10.65 |
| 11:40 | 500 | 4000 | 19.5 | 7.40 | 16409 | -109.6 | 0.60 | 1 | 9.70 | 9.65 | 10.65 |
| 11:44 | 500 | 6000 | 19.7 | 7.41 | 16437 | -115.1 | 0.67 | 1 | 9.70 | 9.67 | 10.66 |
| 11:48 | 500 | 8000 | 19.8 | 7.41 | 16422 | -123.5 | 0.65 | 1 | 9.70 | 9.64 | 10.67 |
| 11:52 | 500 | 10000 | 19.8 | 7.42 | 16411 | -125.7 | 0.71 | 1 | 9.70 | 9.65 | 10.67 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project | Number |
|---------|-----------------|
| RC0007 | '53.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-52S

| Date | 12/12/2019 | Sampler | Riggie |
|-----------------------------|-----------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 9.42 |
| Water Quality Meter | YSI | Gallons in Well | 1.57 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 48.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 48 |
| Water Column in | 38.58 | Total Volume to Remove | 1.57 |
| Well | | EB Sample ID | Eb-724-q419 |
| Did Well Dewater? | No | EB Time | 13:10 |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 13:02 | MS/MSD Sample Time | |
| Sample ID | MW-52S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:45 | 500 | 2000 | 19.4 | 6.91 | 11546 | -94.7 | 0.25 | 3 | 9.48 | 6.51 | 7.41 |
| 12:49 | 500 | 4000 | 19.4 | 6.90 | 11425 | -93.3 | 0.19 | 3 | 9.48 | 6.50 | 7.39 |
| 12:53 | 500 | 6000 | 19.4 | 6.89 | 11258 | -92.1 | 0.18 | 3 | 9.48 | 6.42 | 7.30 |
| 12:57 | 500 | 8000 | 19.4 | 6.88 | 11244 | -87.6 | 0.15 | 3 | 9.48 | 6.98 | 6.83 |
| 13:01 | 500 | 10000 | 19.4 | 6.87 | 11233 | -85.7 | 0.13 | 3 | 9.48 | 6.98 | 6.83 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-53D

| Date | 12/12/2019 | Sampler | Riggie |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.22 |
| Water Quality Meter | YSI | Gallons in Well | 4.58 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 124.66 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 124 |
| Water Column in | 112.44 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 10:44 | MS/MSD Sample Time | |
| Sample ID | MW-53D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/12/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:27 | 500 | 2000 | 18.7 | 8.18 | 23100 | -82.8 | 0.32 | 2 | 12.30 | 16.13 | 17.08 |
| 10:31 | 500 | 4000 | 18.6 | 8.15 | 26281 | -83.3 | 0.35 | 2 | 12.30 | 16.12 | 17.08 |
| 10:35 | 500 | 6000 | 18.6 | 8.13 | 26224 | -93.1 | 0.40 | 2 | 12.30 | 16.08 | 17.07 |
| 10:39 | 500 | 8000 | 18.6 | 8.12 | 26230 | -93.5 | 0.38 | 2 | 12.30 | 16.08 | 17.07 |
| 10:43 | 500 | 10000 | 18.6 | 8.11 | 26233 | -94.0 | 0.30 | 2 | 12.30 | 16.08 | 17.07 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-53M

| Date | 12/12/2019 | Sampler | Reggie |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.30 |
| Water Quality Meter | YSI | Gallons in Well | 3.56 |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | 99.63 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | 99 |
| Water Column in | 87.33 | Total Volume to Remove | 3.56 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/12/2019 | MS/MSD Sample ID | |
| Sample Time | 11:10 | MS/MSD Sample Time | |
| Sample ID | MW-53M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 1 | Purge Date | 12/12/2019 |

Field Parameters

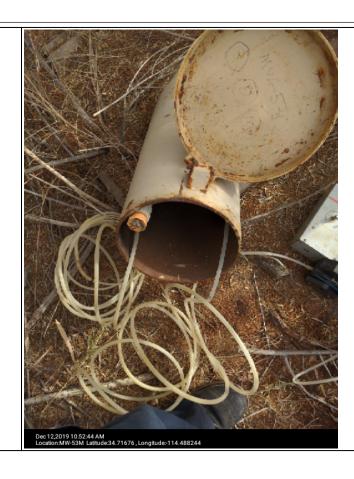
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:53 | 500 | 2000 | 18.9 | 7.99 | 19499 | -126.3 | 0.61 | 1 | 12.33 | 8.41 | 9.5875 |
| 10:57 | 500 | 4000 | 18.9 | 8.00 | 19500 | -134.2 | 0.63 | 1 | 12.33 | 9.45 | 105495 |
| 11:01 | 500 | 6000 | 18.9 | 8.02 | 19500 | -139.1 | 0.71 | 1 | 12.33 | 10.60 | 11.6999 |
| 11:05 | 500 | 8000 | 18.7 | 8.03 | 19511 | -144.0 | 0.73 | 1 | 12.33 | 11.37 | 12.4670 |
| 11:09 | 500 | 10000 | 18.8 | 8.03 | 19526 | -146.0 | 0.75 | 1 | 12.33 | 11.71 | 12.7630 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project Nu | ımber |
|------------|-------|
| RC000753 | .0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | X | |





Project Number: RC000753.0801

MW-54-085

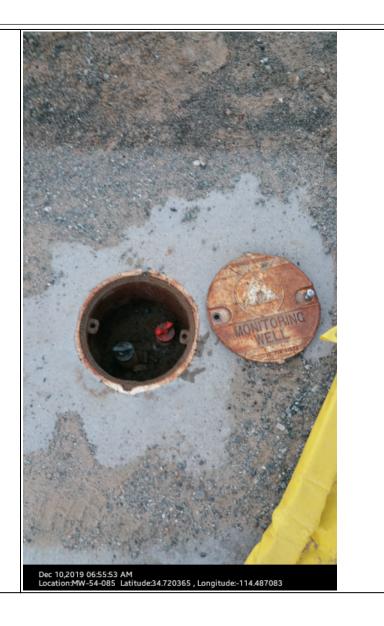
| Date | 12/10/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 13.27 |
| Water Quality Meter | YSI | Gallons in Well | 11.9 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 86.21 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 82 |
| Water Column in | 72.94 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 08:10 | MS/MSD Sample Time | |
| Sample ID | MW-54-085-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:53 | 500 | 2000 | 26.9 | 7.40 | 10602 | 20.6 | 0.13 | 11 | 13.35 | 5.99 | 6.90 |
| 07:57 | 500 | 4000 | 27.0 | 7.41 | 10635 | 17.0 | 0.11 | 7 | 13.35 | 6.00 | 6.91 |
| 08:01 | 500 | 6000 | 27.0 | 7.41 | 10638 | 15.3 | 0.11 | 5 | 13.35 | 6.00 | 6.91 |
| 08:05 | 500 | 8000 | 27.1 | 7.41 | 10639 | 15.1 | 0.10 | 5 | 13.35 | 6.00 | 6.91 |
| 08:09 | 500 | 10000 | 27.1 | 7.42 | 10643 | 14.7 | 0.10 | 5 | 13.35 | 6.00 | 6.91 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-54-140

| Date | 12/10/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 12.80 |
| Water Quality Meter | YSI | Gallons in Well | 20.29 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 137.22 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 133 |
| Water Column in | 124.42 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | MW-54-140-Q419 |
| Sample Time | 07:28 | MS/MSD Sample Time | 07:28 |
| Sample ID | MW-54-140-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:11 | 500 | 2000 | 25.9 | 7.79 | 13151 | 6.9 | 0.24 | 25 | 12.91 | 7.55 | 8.54 |
| 07:15 | 500 | 4000 | 26.1 | 7.75 | 13173 | -1.9 | 0.19 | 14 | 12.91 | 7.56 | 8.55 |
| 07:19 | 500 | 6000 | 26.2 | 7.74 | 13179 | -4.0 | 0.18 | 9 | 12.91 | 7.56 | 8.55 |
| 07:23 | 500 | 8000 | 26.2 | 7.74 | 13181 | -5.2 | 0.18 | 8 | 12.91 | 7.56 | 8.55 |
| 07:27 | 500 | 10000 | 26.2 | 7.74 | 13183 | -6.1 | 0.17 | 8 | 12.91 | 7.56 | 8.55 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-54-195

| Date | 12/10/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|-------------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 13.52 |
| Water Quality Meter | YSI | Gallons in Well | 29.04 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 191.58 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 186 |
| Water Column in | 178.06 | Total Volume to Remove | |
| Well | | EB Sample ID | MW-54-195-EB-Q419 |
| Did Well Dewater? | No | - EB Time | 07:00 |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 07:39 | MS/MSD Sample Time | |
| Sample ID | MW-54-195-Q419 | - Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 07:22 | 500 | 2000 | 25.2 | 7.90 | 18659 | -243.8 | 0.73 | 3 | 13.55 | 11.35 | 11.91 |
| 07:26 | 500 | 4000 | 25.5 | 7.83 | 18897 | -255.6 | 0.30 | 3 | 13.55 | 11.44 | 12.10 |
| 07:30 | 500 | 6000 | 25.5 | 7.81 | 18902 | -258.9 | 0.26 | 3 | 13.55 | 11.49 | 12.14 |
| 07:34 | 500 | 8000 | 25.5 | 7.81 | 18937 | -262.8 | 0.16 | 3 | 13.55 | 11.56 | 12.44 |
| 07:38 | 500 | 10000 | 25.5 | 7.80 | 18954 | 265.8 | 0.12 | 3 | 13.55 | 11.63 | 12.49 |

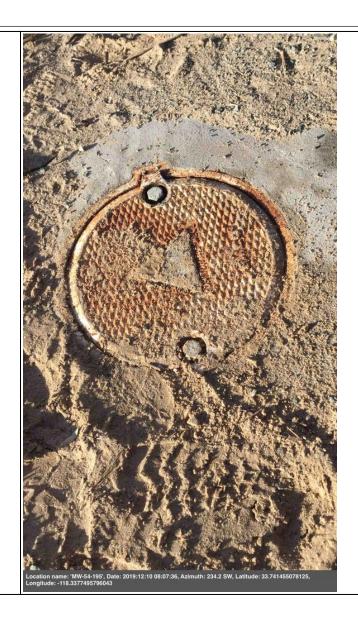
Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | | | X | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

314 / 409



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-55-045

| Date | 12/10/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 10.98 |
| Water Quality Meter | YSI | Gallons in Well | 6.28 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 49.47 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 42 |
| Water Column in | 38.49 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 10:38 | MS/MSD Sample Time | |
| Sample ID | MW-55-045-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:21 | 500 | 2000 | 27.7 | 7.71 | 1300 | 33.9 | 0.12 | 48 | 11.06 | 0.64 | 0.84 |
| 10:25 | 500 | 4000 | 28.1 | 7.68 | 1308 | 10.6 | 0.06 | 23 | 11.06 | 0.65 | 0.85 |
| 10:29 | 500 | 6000 | 28.1 | 7.65 | 1310 | 8.9 | 0.07 | 10 | 11.06 | 0.65 | 0.85 |
| 10:33 | 500 | 8000 | 28.1 | 7.64 | 1310 | 7.2 | 0.07 | 9 | 11.06 | 0.65 | 0.85 |
| 10:37 | 500 | 10000 | 28.2 | 7.64 | 1311 | 7.0 | 0.06 | 9 | 11.06 | 0.65 | 0.85 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-55-120

| Date | 12/10/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 10.92 |
| Water Quality Meter | YSI | Gallons in Well | 17.87 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 120.51 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 113 |
| Water Column in | 109.59 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/10/2019 | MS/MSD Sample ID | |
| Sample Time | 10:02 | MS/MSD Sample Time | |
| Sample ID | MW-55-120-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 7 | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:45 | 500 | 2000 | 27.3 | 7.90 | 8683 | 31.9 | 0.83 | 15 | 10.99 | 4.82 | 5.64 |
| 09:49 | 500 | 4000 | 27.5 | 7.92 | 8488 | 35.2 | 0.95 | 9 | 10.99 | 4.69 | 5.51 |
| 09:53 | 500 | 6000 | 27.5 | 7.92 | 8439 | 36.5 | 1.03 | 7 | 10.99 | 4.68 | 5.48 |
| 09:57 | 500 | 8000 | 27.6 | 7.92 | 8431 | 36.8 | 1.01 | 7 | 10.99 | 4.68 | 5.48 |
| 10:01 | 500 | 10000 | 27.6 | 7.92 | 8429 | 37.4 | 1.01 | 7 | 10.99 | 4.68 | 5.48 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-56D

| Date | 12/10/2019 | Sampler | Matt Trainotti |
|-------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 12/10/2019 | EB Sample ID | |
| Sample Time | 09:44 | EB Time | |
| Sample ID | MW-56D-Q419 | MS/MSD Sample ID | |
| Duplicate Sample ID | MW-921-Q419 | MS/MSD Sample Time | |
| Dup Sample Time | 09:54 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter | 3 | Purge Date | 12/10/2019 |
| Turbidity | | | |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:27 | 500 | 2000 | 20.9 | 7.44 | 21983 | -109.8 | 0.67 | 4 | | 13.66 | 14.11 |
| 09:31 | 500 | 4000 | 21.1 | 7.58 | 22032 | -115.7 | 0.43 | 3 | | 13.66 | 14.11 |
| 09:35 | 500 | 6000 | 21.1 | 7.61 | 22165 | -122.5 | 0.28 | 3 | | 13.71 | 14.17 |
| 09:39 | 500 | 8000 | 21.1 | 7.61 | 22304 | -128.7 | 0.20 | 3 | | 13.73 | 14.21 |
| 09:43 | 500 | 10000 | 21.1 | 7.63 | 22398 | -133.5 | 0.16 | 3 | | 13.73 | 14.21 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | | Х | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Project | Number |
|----------------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |





Project Number: RC000753.0801

MW-56M

| Date | 12/10/2019 | Sampler | Matt Trainotti |
|-------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 12/10/2019 | EB Sample ID | |
| Sample Time | 10:34 | EB Time | |
| Sample ID | MW-56M-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 3 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|------------------------------------|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:17 | min) 500 | 2000 | 22.6 | 7.35 | 14254 | -102.3 | 0.78 | 3 | | 8.54 | 9.12 |
| 10:21 | 500 | 4000 | 22.8 | 7.37 | 14367 | -111.7 | 0.46 | 3 | | 8.57 | 9.13 |
| 10:25 | 500 | 6000 | 22.8 | 7.39 | 14489 | -115.2 | 0.34 | 1 | | 8.59 | 9.16 |
| 10:29 | 500 | 8000 | 22.9 | 7.40 | 14602 | -119.6 | 0.26 | 3 | | 8.59 | 9.18 |
| 10:33 | 500 | 10000 | 22.9 | 7.41 | 14786 | -121.3 | 0.21 | 3 | | 8.59 | 9.18 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | X | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | X | | |







Project Number: RC000753.0801

MW-56S

| Date | 12/10/2019 | Sampler | Matt Trainotti |
|-------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – Peristaltic Pump | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 1 | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 12/10/2019 | EB Sample ID | |
| Sample Time | 11:16 | EB Time | |
| Sample ID | MW-56S-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 3 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 12/10/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:59 | 500 | 2000 | 21.8 | 7.28 | 5789 | -70.8 | 0.67 | 3 | | 3.43 | 3.70 |
| 11:03 | 500 | 4000 | 22.0 | 7.31 | 5803 | -74.8 | 0.44 | 3 | | 3.43 | 3.70 |
| 11:07 | 500 | 6000 | 22.0 | 7.33 | 5854 | -83.2 | 0.36 | 3 | | 3.46 | 3.74 |
| 11:11 | 500 | 8000 | 22.1 | 7.36 | 5876 | -88.6 | 0.30 | 3 | | 3.46 | 3.74 |
| 11:15 | 500 | 10000 | 22.0 | 7.37 | 5887 | -90.7 | 0.27 | 3 | | 3.46 | 3.75 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Χ | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Χ | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Χ | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | X | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-57-070

| Date | 12/06/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 53.00 |
| Water Quality Meter | YSI | Gallons in Well | 2.50 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 68.31 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 62.5 |
| Water Column in | 15.31 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 09:04 | MS/MSD Sample Time | |
| Sample ID | MW-57-070-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:03 | 300 | 1200 | 28.2 | 7.33 | 2485 | -18.8 | 2.28 | 21 | 53.22 | 1.27 | 1.67 |
| 09:07 | 300 | 2400 | 28.4 | 7.27 | 2654 | -33.8 | 1.84 | 11 | 53.25 | 1.31 | 1.70 |
| 09:11 | 300 | 3600 | 28.4 | 7.23 | 2777 | -42.9 | 1.57 | 7 | 53.29 | 1.35 | 1.73 |
| 09:15 | 300 | 8000 | 28.4 | 7.20 | 2832 | -45.6 | 1.71 | 5 | 53.29 | 1.39 | 1.77 |
| 09:19 | 300 | 6000 | 28.4 | 7.24 | 2832 | -50.8 | 1.63 | 5 | 53.32 | 1.39 | 1.77 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |



Project Number: RC000753.0801

MW-57-185

| Date | 12/06/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 52.98 |
| Water Quality Meter | YSI | Gallons in Well | 46.96 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 180.94 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 3 | Pump Intake Depth (ft bmp) | 150 |
| Water Column in | 127.96 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 10:04 | MS/MSD Sample Time | |
| Sample ID | MW-57-185-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:47 | 300 | 1200 | 27.8 | 9.90 | 20054 | -167.8 | 0.89 | 12 | 53.12 | 11.1 | 12.8 |
| 09:51 | 300 | 2400 | 27.8 | 9.76 | 20064 | -176.8 | 0.76 | 5 | 53.12 | 11.1 | 12.8 |
| 09:55 | 300 | 3600 | 27.8 | 9.67 | 20073 | -190.9 | 0.63 | 5 | 53.12 | 11.1 | 12.8 |
| 09:59 | 300 | 4800 | 27.8 | 9.64 | 20102 | -199.9 | 0.55 | 5 | 53.12 | 11.1 | 12.8 |
| 10:03 | 300 | 6000 | 27.8 | 9.63 | 20123 | -204.8 | 0.49 | 5 | 53.12 | 11.1 | 12.8 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |



Project Number: RC000753.0801

MW-58-065

| Date | 12/13/2019 | Sampler | Riggie |
|----------------------|-------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | |
| Purge Volume Units | Na | Casing Volume to Remove | 0 |
| Casing Material | PVC | Depth to Water (ft bmp) | 0.0 |
| Casing Diameter (in) | 2 | Gallons in Well | 11.03 |
| Water Column in | 67.65 | Measured Well Depth (ft bmp) | 67.65 |
| Well | | Odor | |
| Comments | Well is dry | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | NA | Total Volume to Remove | 0.0 |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/13/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|----|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:45 | 0 | 0 | | | | | | | 0 | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | X | |
| Remarks | | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-58BR

| Date | 12/13/2019 | Sampler | Riggie |
|-----------------------------|-----------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 66.80 |
| Water Quality Meter | YSI | Gallons in Well | 48.74 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 100.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | 98 |
| Water Column in | 33.2 | Total Volume to Remove | 48.74 |
| Well | | EB Sample ID | Eb-728-q419 |
| Did Well Dewater? | No | EB Time | 11:05 |
| Sample Date | 12/13/2019 | MS/MSD Sample ID | |
| Sample Time | 10:37 | MS/MSD Sample Time | |
| Sample ID | MW-58BR-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 3 | Purge Date | 12/13/2019 |

Field Parameters

| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|-------------------------|--------------------|----------|------|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | or gal/ min) | | | | | | | | | | |
| 10:16 | 200 | 800 | 28.6 | 7.58 | 10211 | -166.5 | 0.16 | 3 | 66.88 | 5.68 | 8.23 |
| 10:20 | 200 | 1600 | 28.7 | 7.57 | 10208 | -167.4 | 0.11 | 3 | 66.68 | 5.68 | 8.23 |
| 10:24 | 200 | 2400 | 28.8 | 7.56 | 10204 | -168.2 | 0.12 | 3 | 66.68 | 5.68 | 8.23 |
| 10:28 | 200 | 3200 | 28.9 | 7.55 | 10205 | -168.8 | 0.12 | 3 | 66.68 | 5.68 | 8.23 |
| 10:32 | 200 | 4000 | 29.0 | 7.55 | 10206 | -169.4 | 0.13 | 3 | 66.68 | 5.68 | 8.23 |
| 10:36 | 200 | 4800 | 29.0 | 7.54 | 10207 | -170.0 | 0.15 | 3 | 66.68 | 5.68 | 8.23 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |





Project Number: RC000753.0801

MW-59-100

| Date | 12/13/2019 | Sampler | Riggie |
|-------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 86.20 |
| Water Quality Meter | YSI | Gallons in Well | 2.35 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 100.63 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 93.5 |
| Water Column in | 14.43 | Total Volume to Remove | 2.35 |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/13/2019 | MS/MSD Sample ID | |
| Sample Time | 09:12 | MS/MSD Sample Time | |
| Sample ID | MW-59-100-Q419 | Double Filter Turbidity | |
| Duplicate Sample ID | Mw-922-q419 | Post Sampling Turbidity | |
| Dup Sample Time | 09:22 | Purge Date | 12/13/2019 |
| Single Filter Turbidity | 2 | 3 | |
| Without Filter | 30 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:55 | 500 | 2000 | 28.4 | 7.17 | 14242 | 151.0 | 4.84 | 112 | 86.33 | 8.16 | 9.20 |
| 08:59 | 500 | 4000 | 28.5 | 7.10 | 14048 | 151.8 | 4.86 | 30 | 86.33 | 8.08 | 9.11 |
| 09:03 | 500 | 6000 | 28.5 | 7.09 | 13744 | 151.8 | 4.80 | 30 | 86.33 | 7.89 | 8.93 |
| 09:07 | 500 | 8000 | 29.0 | 7.08 | 13367 | 152.4 | 4.84 | 30 | 86.33 | 7.65 | 8.68 |
| 09:11 | 500 | 10000 | 28.6 | 7.07 | 13208 | 153.3 | 4.70 | 30 | 86.33 | 7.56 | 8.58 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |

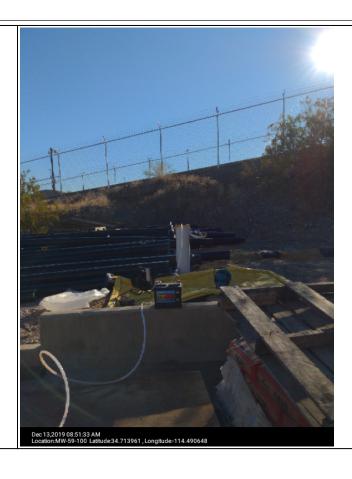


Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|---------------------|-----|----|----|-------|
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | | Х | |

Photos and Drawings

Feb 4, 2020, 4:40 PM





Project Number: RC000753.0801

MW-60-125

| Date | 12/06/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 99.77 |
| Water Quality Meter | YSI | Gallons in Well | 3.63 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 122.01 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 113 |
| Water Column in | 22.24 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 08:50 | MS/MSD Sample Time | |
| Sample ID | MW-60-125-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 22 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:33 | 300 | 1200 | 26.9 | 7.43 | 8741 | 86.9 | 3.86 | 57 | 99.86 | 4.87 | 5.69 |
| 08:37 | 300 | 2400 | 28.3 | 7.45 | 8749 | 83.6 | 3.78 | 32 | 99.88 | 4.87 | 5.69 |
| 08:41 | 300 | 3600 | 28.6 | 7.45 | 8753 | 81.3 | 3.72 | 23 | 99.88 | 4.87 | 5.69 |
| 08:45 | 300 | 4800 | 28.6 | 7.46 | 8755 | 80.6 | 3.70 | 22 | 99.88 | 4.87 | 5.69 |
| 08:49 | 300 | 6000 | 28.7 | 7.46 | 8756 | 80.1 | 3.69 | 22 | 99.88 | 4.86 | 5.69 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-61-110

| Date | 12/06/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 88.77 |
| Water Quality Meter | YSI | Gallons in Well | 3.71 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 111.50 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 102 |
| Water Column in | 22.73 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 08:31 | MS/MSD Sample Time | |
| Sample ID | MW-61-110-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:14 | 500 | 2000 | 28.7 | 6.64 | 17546 | 120.7 | 0.87 | 12 | 88.88 | 10.65 | 11.31 |
| 08:18 | 500 | 4000 | 28.7 | 6.67 | 17689 | 110.4 | 0.66 | 9 | 88.88 | 10.65 | 11.31 |
| 08:22 | 500 | 6000 | 28.9 | 6.68 | 17698 | 95.8 | 0.41 | 7 | 88.88 | 10.65 | 11.31 |
| 08:26 | 500 | 8000 | 29.0 | 6.69 | 17702 | 90.4 | 0.38 | 4 | 88.88 | 10.65 | 11.31 |
| 08:30 | 500 | 10000 | 29.0 | 6.70 | 17723 | 87.9 | 0.35 | 4 | 88.88 | 10.65 | 11.31 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | X | | |





Project Number: RC000753.0801

MW-62-065

| Date | 12/03/2019 | Sampler | Riggie |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | 1 |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 48.78 |
| Water Quality Meter | YSI | Gallons in Well | 2.68 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 65.22 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 60 |
| Water Column in | 16.44 | Total Volume to Remove | 2.68 |
| Well | | EB Sample ID | EB-795-Q419 |
| Did Well Dewater? | No | EB Time | 15:10 |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 15:06 | MS/MSD Sample Time | |
| Sample ID | MW-62-065-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 4 | Post Sampling Turbidity | |
| Without Filter Turbidity | 11 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:49 | 500 | 2000 | 28.5 | 7.94 | 6472 | 93.4 | 2.50 | 16 | 48.85 | 3.51 | 4.19 |
| 14:53 | 500 | 4000 | 28.7 | 7.80 | 6437 | 96.6 | 3.17 | 13 | 48.85 | 3.50 | 4.18 |
| 14:57 | 500 | 6000 | 28.8 | 7.75 | 6421 | 97.8 | 3.22 | 12 | 48.85 | 3.50 | 4.18 |
| 15:01 | 500 | 8000 | 28.8 | 7.73 | 6418 | 98.2 | 3.28 | 12 | 48.85 | 3.50 | 4.18 |
| 15:05 | 500 | 10000 | 28.9 | 7.71 | 6415 | 98.8 | 3.30 | 11 | 48.85 | 3.50 | 4.18 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Χ | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | | Χ | |

Photos and Drawings



341 / 409



Project Number: RC000753.0801

MW-62-110

| Date | 12/03/2019 | Sampler | Nara Tep |
|-------------------------|---------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Grab Sample | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Comments | Flute Well 3V purge | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 12/04/2019 | EB Sample ID | |
| Sample Time | 15:10 | EB Time | |
| Sample ID | MW-62-110-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 2 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:15 | 0.5 | 1.5 | 24.3 | 7.44 | 13550 | 46.8 | 0.84 | 2 | | 7.82 | 8.80 |
| 08:15 | 0.5 | 4.5 | 27.6 | 7.46 | 10637 | -15.9 | 0.16 | 2 | | 6.00 | 6.91 |
| 15:10 | | | 27.6 | 7.49 | 10962 | -15.3 | 0.19 | 2 | | 6.03 | 6.90 |
| 15:40 | 0.5 | 3.0 | 27.6 | 7.43 | 11238 | -10.9 | 0.13 | 2 | | 6.34 | 7.28 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-62-190

| Date | 12/03/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | |
| Comments | Flute Well 3V purge | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 12/04/2019 | Total Volume to Remove | |
| Sample Time | 15:00 | EB Sample ID | |
| Sample ID | MW-62-190-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:10 | 0.5 | 1.5 | 25.8 | 7.16 | 19267 | 39.9 | 0.96 | 3 | | 11.47 | 12.55 |
| 08:10 | 0.5 | 4.5 | 27.7 | 7.45 | 19069 | -23.9 | 0.12 | 2 | | 11.28 | 12.38 |
| 15:00 | | | 27.6 | 7.48 | 18965 | -16.9 | 0.15 | 2 | | 11.26 | 12.36 |
| 15:30 | 0.5 | 3.0 | 27.8 | 7.48 | 19194 | -19.6 | 0.11 | 2 | | 11.28 | 12.43 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801





Project Number: RC000753.0801

MW-63-065

| Date | 12/06/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 51.74 |
| Water Quality Meter | YSI | Gallons in Well | 2.16 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 65.00 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 56 |
| Water Column in | 13.26 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-708-Q419 |
| Did Well Dewater? | No | EB Time | 12:00 |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 11:43 | MS/MSD Sample Time | |
| Sample ID | MW-63-065-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:03 | 300 | 1200 | 26.0 | 7.05 | 7654 | 22.0 | 2.89 | 24 | 51.96 | 4.21 | 4.91 |
| 12:04 | 300 | 2400 | 26.2 | 7.08 | 7665 | -2.8 | 2.47 | 11 | 51.96 | 4.21 | 4.91 |
| 12:04 | 300 | 3600 | 26.4 | 7.11 | 7669 | -22.8 | 2.23 | 5 | 51.96 | 4.22 | 4.92 |
| 12:04 | 300 | 4800 | 26.4 | 7.12 | 7712 | -48.8 | 2.32 | 5 | 51.96 | 4.23 | 4.94 |
| 12:05 | 300 | 6000 | 26.4 | 7.13 | 7734 | -53.8 | 2.38 | 5 | 51.96 | 4.34 | 5.02 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |



Project Number: RC000753.0801

MW-64BR

| Date | 12/06/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 121.31 |
| Water Quality Meter | YSI | Gallons in Well | 200.65 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 258.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | |
| Water Column in | 136.69 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Comments | Dedicated QED | - EB Time | |
| Did Well Dewater? | No | MS/MSD Sample ID | |
| Sample Date | 12/06/2019 | MS/MSD Sample Time | |
| Sample Time | 09:40 | Double Filter Turbidity | |
| Sample ID | MW-64BR-Q419 | Post Sampling Turbidity | |
| Single Filter Turbidity | 1 | - Purge Date | 12/06/2019 |
| Without Filter | 1 | - 3 | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:11 | 200 | 800 | 22.8 | 7.39 | 14329 | 92.0 | 1.90 | 2 | 121.40 | 8.30 | 9.30 |
| 09:15 | 200 | 1600 | 22.9 | 7.42 | 14270 | 60.9 | 0.50 | 2 | 121.43 | 8.27 | 9.25 |
| 09:19 | 200 | 2400 | 22.4 | 7.45 | 14209 | 55.6 | 0.52 | 1 | 121.44 | 8.23 | 9.23 |
| 09:23 | 200 | 3200 | 22.3 | 7.46 | 14202 | 53.6 | 0.46 | 1 | 121.44 | 8.23 | 9.22 |
| 09:27 | 200 | 4000 | 22.3 | 7.46 | 14206 | 52.9 | 0.44 | 1 | 121.45 | 8.23 | 9.22 |
| 09:31 | 200 | 4800 | 22.3 | 7.46 | 14211 | 52.3 | 0.43 | 1 | 121.45 | 8.22 | 9.22 |
| 09:35 | 200 | 5600 | 22.3 | 7.46 | 14215 | 52.1 | 0.41 | 1 | 121.45 | 8.22 | 9.22 |
| 09:39 | 200 | 6400 | 22.3 | 7.46 | 14216 | 52.0 | 0.40 | 1 | 121.45 | 8.22 | 9.22 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |

348 / 409



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-65-160

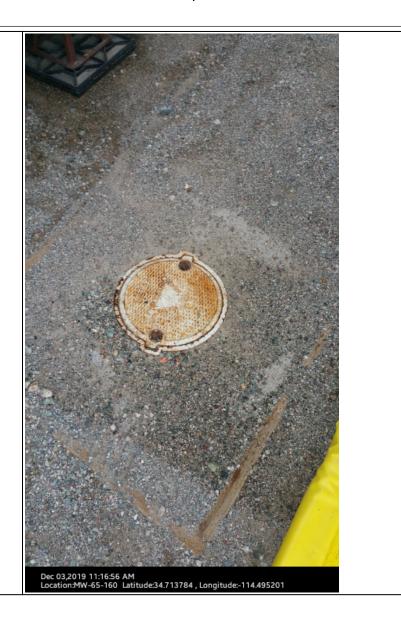
| Date | 12/03/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 140.90 |
| Water Quality Meter | YSI | Gallons in Well | 3.18 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 160.42 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 155 |
| Water Column in | 19.52 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 12:34 | MS/MSD Sample Time | |
| Sample ID | MW-65-160-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 6 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:17 | 300 | 1200 | 25.4 | 7.23 | 4236 | 96.6 | 3.23 | 19 | 140.95 | 2.25 | 2.75 |
| 12:21 | 300 | 2400 | 25.8 | 7.16 | 4250 | 90.6 | 2.86 | 11 | 140.95 | 2.26 | 2.76 |
| 12:25 | 300 | 3600 | 26.1 | 7.13 | 4262 | 89.6 | 2.59 | 7 | 140.95 | 2.26 | 2.76 |
| 12:29 | 300 | 4800 | 26.1 | 7.12 | 4263 | 88.6 | 2.55 | 6 | 140.95 | 2.26 | 2.76 |
| 12:33 | 300 | 6000 | 26.2 | 7.12 | 4265 | 87.9 | 2.53 | 6 | 140.95 | 2.26 | 2.76 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-65-225

| Date | 12/03/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 140.60 |
| Water Quality Meter | YSI | Gallons in Well | 13.83 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 225.38 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 220 |
| Water Column in | 84.78 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 11:54 | MS/MSD Sample Time | |
| Sample ID | MW-65-225-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:33 | 500 | 2000 | 29.2 | 7.24 | 7191 | 90.4 | 1.63 | 13 | 140.69 | 3.98 | 4.71 |
| 11:37 | 500 | 4000 | 29.6 | 7.26 | 7203 | 84.5 | 1.59 | 8 | 140.69 | 3.98 | 4.71 |
| 11:41 | 500 | 6000 | 29.6 | 7.26 | 7205 | 82.1 | 1.55 | 6 | 140.69 | 3.98 | 4.71 |
| 11:45 | 500 | 8000 | 29.7 | 7.25 | 7206 | 81.5 | 1.53 | 5 | 140.69 | 3.98 | 4.71 |
| 11:49 | 500 | 10000 | 29.7 | 7.25 | 7211 | 80.3 | 1.52 | 5 | 140.69 | 3.99 | 4.72 |
| 11:53 | 500 | 12000 | 29.8 | 7.26 | 7213 | 79.9 | 1.50 | 5 | 140.69 | 3.99 | 4.72 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-66-165

| Date | 12/03/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 130.79 |
| Water Quality Meter | YSI | Gallons in Well | 4.94 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 161.08 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 152 |
| Water Column in | 30.29 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 11:04 | MS/MSD Sample Time | |
| Sample ID | MW-66-165-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | Post Sampling Turbidity | |
| Without Filter Turbidity | 25 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:47 | 500 | 2000 | 30.1 | 7.19 | 3907 | 97.9 | 4.60 | 125 | 130.86 | 2.07 | 2.56 |
| 10:51 | 500 | 4000 | 30.3 | 7.23 | 3950 | 92.8 | 4.36 | 39 | 130.86 | 2.07 | 2.56 |
| 10:55 | 500 | 6000 | 30.5 | 7.24 | 3956 | 91.0 | 4.21 | 26 | 130.86 | 2.07 | 2.56 |
| 10:59 | 500 | 8000 | 30.6 | 7.24 | 3959 | 90.6 | 4.19 | 25 | 130.86 | 2.07 | 2.56 |
| 11:03 | 500 | 10000 | 30.6 | 7.24 | 3961 | 89.8 | 4.17 | 25 | 130.86 | 2.07 | 2.56 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-66-230

| Date | 12/03/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Yellow |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 131.21 |
| Water Quality Meter | YSI | Gallons in Well | 15.66 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 227.20 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 220 |
| Water Column in | 95.99 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 10:24 | MS/MSD Sample Time | |
| Sample ID | MW-66-230-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:07 | 500 | 2000 | 28.2 | 7.89 | 18961 | 80.1 | 0.96 | 19 | 131.35 | 11.24 | 12.35 |
| 10:11 | 500 | 4000 | 28.9 | 7.87 | 18990 | 59.9 | 0.82 | 11 | 131.35 | 11.25 | 12.36 |
| 10:15 | 500 | 6000 | 29.3 | 7.86 | 19004 | 53.2 | 0.73 | 9 | 131.35 | 11.25 | 12.36 |
| 10:19 | 500 | 8000 | 29.5 | 7.86 | 19006 | 51.0 | 0.71 | 8 | 131.35 | 11.25 | 12.36 |
| 10:23 | 500 | 10000 | 29.6 | 7.86 | 19008 | 50.6 | 0.70 | 8 | 131.35 | 11.25 | 12.36 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-66BR-270

| Date | 12/03/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | Sulphur |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | Yes | Total Volume to Remove | |
| Sample Date | 12/10/2019 | EB Sample ID | |
| Sample Time | 12:30 | EB Time | |
| Sample ID | MW-66BR-270-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 8 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:59 | 5 | 20 | 30.5 | 9.16 | 18628 | -30.9 | 0.12 | 17 | | 10.96 | 12.10 |
| 09:03 | 5 | 40 | 30.6 | 9.10 | 18627 | -59.6 | 0.09 | 10 | | 10.95 | 12.10 |
| 09:07 | 5 | 60 | 30.5 | 9.20 | 18622 | -62.6 | 0.08 | 9 | | 10.95 | 12.10 |
| 09:11 | 5 | 80 | 30.5 | 9.21 | 18626 | -63.9 | 0.08 | 9 | | 10.95 | 12.10 |
| 12:30 | | | 30.8 | 8.86 | 18499 | -109.6 | 0.07 | 8 | | 10.86 | 12.01 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | | X | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |







Project Number: RC000753.0801

MW-67-185

| Date | 12/04/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Green |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 170.29 |
| Water Quality Meter | YSI | Gallons in Well | 2.7 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 186.82 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 182 |
| Water Column in | 16.53 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 11:12 | MS/MSD Sample Time | |
| Sample ID | MW-67-185-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 35 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:51 | 200 | 1200 | 22.1 | 8.18 | 6952 | 77.4 | 2.95 | 139 | 170.33 | 3.82 | 4.51 |
| 10:55 | 200 | 2400 | 22.8 | 7.89 | 7004 | 85.9 | 2.97 | 59 | 170.33 | 3.84 | 4.55 |
| 10:59 | 200 | 3200 | 22.9 | 7.85 | 7013 | 86.9 | 2.90 | 39 | 170.33 | 3.85 | 4.56 |
| 11:03 | 200 | 4000 | 23.1 | 7.82 | 7014 | 87.6 | 3.06 | 36 | 170.33 | 3.85 | 4.56 |
| 11:07 | 200 | 4800 | 23.1 | 7.81 | 7021 | 88.0 | 3.11 | 35 | 170.33 | 3.85 | 4.56 |
| 11:11 | 200 | 5600 | 23.1 | 7.81 | 7022 | 88.1 | 3.12 | 35 | 170.33 | 3.85 | 4.56 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Project | Number: |
|---------|----------|
| RC0007 | 753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-67-225

| Date | 12/04/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Green |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 170.44 |
| Water Quality Meter | YSI | Gallons in Well | 8.94 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 225.24 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 217 |
| Water Column in | 54.8 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 10:20 | MS/MSD Sample Time | |
| Sample ID | MW-67-225-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 15 | Purge Date | 12/04/2019 |

Field Parameters

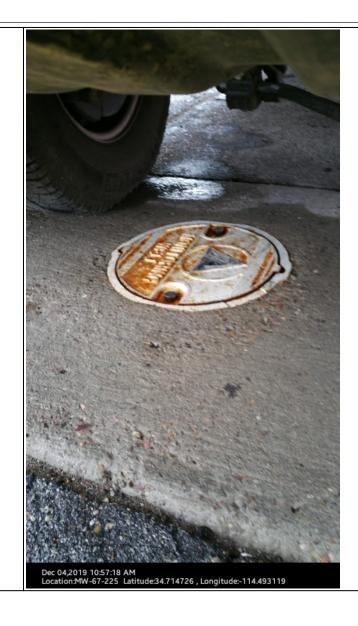
| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:02 | 500 | 2000 | 30.1 | 8.26 | 6587 | 63.0 | 2.34 | 55 | 170.53 | 3.57 | 4.27 |
| 10:07 | 500 | 4000 | 30.3 | 8.19 | 6549 | 60.1 | 2.30 | 39 | 170.53 | 3.57 | 4.26 |
| 10:11 | 500 | 6000 | 30.6 | 8.16 | 6531 | 57.6 | 2.21 | 16 | 170.53 | 3.56 | 4.26 |
| 10:15 | 500 | 8000 | 30.6 | 8.15 | 6529 | 55.6 | 2.19 | 15 | 170.53 | 3.56 | 4.26 |
| 10:19 | 500 | 10000 | 30.7 | 8.15 | 6525 | 55.1 | 2.18 | 15 | 170.53 | 3.56 | 4.26 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801

Photos and Drawings



363 / 409



Project Number: RC000753.0801

MW-67-260

| Date | 12/04/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 170.39 |
| Water Quality Meter | YSI | Gallons in Well | 14.66 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 260.29 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 255 |
| Water Column in | 89.9 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 09:34 | MS/MSD Sample Time | |
| Sample ID | MW-67-260-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 9 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:05 | 200 | 800 | 26.5 | 9.89 | 18668 | -19.6 | 0.96 | 61 | 170.43 | 11.04 | 12.14 |
| 09:09 | 200 | 1600 | 26.8 | 9.41 | 18737 | -15.6 | 0.92 | 46 | 170.4 | 11.08 | 12.18 |
| 09:13 | 200 | 2400 | 26.5 | 8.89 | 18756 | -11.3 | 0.79 | 38 | 170.43 | 11.10 | 12.27 |
| 09:17 | 200 | 3200 | 26.5 | 8.76 | 18762 | -9.5 | 0.73 | 21 | 170.43 | 11.10 | 12.28 |
| 09:21 | 200 | 4000 | 26.5 | 8.75 | 18763 | -8.8 | 0.71 | 14 | 170.43 | 11.10 | 12.28 |
| 09:25 | 200 | 4800 | 26.5 | 8.75 | 18769 | -8.1 | 0.70 | 10 | 170.43 | 11.10 | 12.28 |
| 09:29 | 200 | 5600 | 26.5 | 8.76 | 18773 | -7.9 | 0.68 | 9 | 170.43 | 11.10 | 12.28 |
| 09:33 | 200 | 6400 | 26.6 | 8.76 | 18776 | -7.3 | 0.67 | 9 | 170.43 | 11.10 | 12.28 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | Х | | | |





Project Number: RC000753.0801

MW-68-180

| Date | 12/04/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|-------------|
| Weather Conditions | Cloudy | Color | Green |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 165.44 |
| Water Quality Meter | YSI | Gallons in Well | 2.35 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 179.87 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 172 |
| Water Column in | 14.43 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-703-Q419 |
| Did Well Dewater? | No | - EB Time | 15:30 |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 13:14 | MS/MSD Sample Time | |
| Sample ID | MW-68-180-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 39 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 12:51 | 200 | 800 | 25.7 | 7.49 | 5469 | 68.9 | 4.87 | 96 | 165.51 | 2.95 | 3.55 |
| 12:57 | 200 | 1600 | 25.7 | 7.45 | 5447 | 70.1 | 4.82 | 61 | 165.51 | 2.93 | 3.53 |
| 13:01 | 200 | 2400 | 25.8 | 7.45 | 5443 | 72.3 | 4.80 | 49 | 165.51 | 2.93 | 3.53 |
| 13:05 | 200 | 3200 | 25.8 | 7.44 | 5440 | 72.6 | 4.76 | 41 | 165.51 | 2.93 | 3.53 |
| 13:09 | 200 | 4000 | 25.8 | 7.44 | 5439 | 72.9 | 4.74 | 39 | 165.51 | 2.93 | 3.53 |
| 13:13 | 200 | 4800 | 25.8 | 7.44 | 5438 | 73.1 | 4.74 | 39 | 165.51 | 2.93 | 3.53 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |



| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings

Feb 4, 2020, 4:40 PM





Project Number: RC000753.0801

MW-68-240

| Date | 12/04/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 165.64 |
| Water Quality Meter | YSI | Gallons in Well | 12.1 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 239.81 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 230 |
| Water Column in | 74.17 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/04/2019 | MS/MSD Sample ID | |
| Sample Time | 12:16 | MS/MSD Sample Time | |
| Sample ID | MW-68-240-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:59 | 500 | 2000 | 29.6 | 7.63 | 17333 | 24.9 | 0.57 | 17 | 165.73 | 10.18 | 11.30 |
| 12:03 | 500 | 4000 | 31.1 | 7.59 | 17428 | 16.9 | 0.26 | 11 | 165.73 | 10.19 | 11.33 |
| 12:07 | 500 | 6000 | 31.3 | 7.55 | 17433 | 13.6 | 0.23 | 9 | 165.73 | 10.19 | 11.33 |
| 12:11 | 500 | 8000 | 31.4 | 7.54 | 17439 | 13.1 | 0.22 | 8 | 165.73 | 10.19 | 11.33 |
| 12:15 | 500 | 10000 | 31.4 | 7.54 | 17441 | 12.8 | 0.22 | 8 | 165.73 | 10.19 | 11.33 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

368 / 409



Photos and Drawings



Project Number: RC000753.0801



Project Number: RC000753.0801

MW-68BR-280

| Date | 12/04/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 163.61 |
| Water Quality Meter | YSI | Gallons in Well | 169.39 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 279.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | |
| Water Column in | 115.39 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Comments | Dedicated QED | EB Time | |
| Did Well Dewater? | No | ——— MS/MSD Sample ID | |
| Sample Date | 12/04/2019 | MS/MSD Sample Time | |
| Sample Time | 14:16 | ——— Double Filter Turbidity | |
| Sample ID | MW-68BR-280-Q419 | ——— Post Sampling Turbidity | |
| Single Filter Turbidity | 1 | ——— Purge Date | 12/04/2019 |
| Without Filter | 2 | | |

Field Parameters

Turbidity

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:47 | 200 | 800 | 26.5 | 8.09 | 22318 | 43.9 | 1.63 | 3 | 163.70 | 13.40 | 14.49 |
| 13:51 | 200 | 1600 | 26.7 | 8.29 | 22324 | 38.9 | 0.96 | 2 | 163.75 | 13.40 | 14.50 |
| 13:55 | 200 | 2400 | 26.8 | 8.33 | 22350 | 35.1 | 0.83 | 2 | 163.77 | 13.40 | 14.50 |
| 13:59 | 200 | 3200 | 26.8 | 8.35 | 22356 | 34.3 | 0.79 | 2 | 163.78 | 13.40 | 14.50 |
| 14:03 | 200 | 4000 | 26.8 | 8.37 | 22358 | 33.5 | 0.79 | 2 | 163.77 | 13.40 | 14.50 |
| 14:07 | 200 | 4800 | 26.9 | 8.37 | 22360 | 31.6 | 0.77 | 2 | 163.78 | 13.40 | 14.50 |
| 14:11 | 200 | 5600 | 26.9 | 8.38 | 22363 | 31.1 | 0.76 | 2 | 163.77 | 13.40 | 14.50 |
| 14:15 | 20 | 6400 | 26.9 | 8.38 | 22369 | 30.6 | 0.73 | 2 | 163.78 | 13.40 | 14.50 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-69-195

| Date | 12/03/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|-------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 174.82 |
| Water Quality Meter | YSI | Gallons in Well | 3.38 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 195.56 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 186 |
| Water Column in | 20.74 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-701-Q419 |
| Did Well Dewater? | No | EB Time | 15:45 |
| Sample Date | 12/03/2019 | MS/MSD Sample ID | |
| Sample Time | 13:48 | MS/MSD Sample Time | |
| Sample ID | MW-69-195-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 32 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:31 | 300 | 1200 | 23.7 | 7.43 | 2741 | 90.3 | 1.88 | 41 | 174.90 | 1.42 | 1.78 |
| 13:35 | 300 | 2400 | 24.3 | 7.39 | 2774 | 81.3 | 1.34 | 37 | 174.90 | 1.44 | 1.80 |
| 13:39 | 300 | 3600 | 24.5 | 7.36 | 2779 | 77.9 | 1.30 | 33 | 174.90 | 1.44 | 1.80 |
| 13:43 | 300 | 4800 | 24.5 | 7.35 | 2782 | 75.6 | 1.29 | 32 | 174.90 | 1.44 | 1.80 |
| 13:47 | 300 | 6000 | 24.6 | 7.35 | 2784 | 75.1 | 1.27 | 32 | 174.90 | 1.44 | 1.80 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-70-105

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 81.90 |
| Water Quality Meter | YSI | Gallons in Well | 3.76 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 104.95 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 95 |
| Water Column in | 23.05 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/17/2019 | MS/MSD Sample ID | |
| Sample Time | 11:08 | MS/MSD Sample Time | |
| Sample ID | MW-70-105-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 3 | Post Sampling Turbidity | |
| Without Filter Turbidity | 35 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:51 | 500 | 2000 | 28.7 | 7.89 | 2948 | 36.9 | 0.20 | 63 | 82.02 | 1.62 | 1.91 |
| 10:55 | 500 | 4000 | 28.7 | 7.86 | 2958 | 32.7 | 0.16 | 40 | 82.02 | 1.63 | 1.92 |
| 10:59 | 500 | 6000 | 28.8 | 7.85 | 2967 | 32.1 | 0.16 | 36 | 82.02 | 1.63 | 1.92 |
| 11:03 | 500 | 8000 | 28.8 | 7.85 | 2968 | 31.6 | 0.15 | 35 | 82.02 | 1.63 | 1.92 |
| 11:07 | 500 | 10000 | 28.8 | 7.85 | 2970 | 31.5 | 0.15 | 35 | 82.02 | 1.63 | 1.92 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | Х | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-70BR-225

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Green |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 81.54 |
| Water Quality Meter | YSI | Gallons in Well | 146.25 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 225.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 5 | Pump Intake Depth (ft bmp) | 174 |
| Water Column in | 143.46 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/17/2019 | MS/MSD Sample ID | |
| Sample Time | 11:54 | MS/MSD Sample Time | |
| Sample ID | MW-70BR-225-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:33 | 500 | 2000 | 28.3 | 7.71 | 12413 | 56.9 | 0.31 | 26 | 81.68 | 7.08 | 8.07 |
| 11:37 | 500 | 4000 | 28.6 | 7.68 | 12597 | 58.0 | 0.28 | 14 | 81.70 | 7.23 | 8.24 |
| 11:41 | 500 | 6000 | 28.6 | 7.67 | 12896 | 58.3 | 0.27 | 11 | 81.70 | 7.32 | 8.36 |
| 11:45 | 500 | 8000 | 28.6 | 7.68 | 13098 | 59.1 | 0.20 | 9 | 81.70 | 7.47 | 8.46 |
| 11:49 | 500 | 10000 | 28.7 | 7.68 | 13112 | 59.4 | 0.19 | 8 | 81.70 | 7.51 | 8.52 |
| 11:53 | 500 | 12000 | 28.6 | 7.68 | 13120 | 59.6 | 0.17 | 8 | 81.70 | 7.51 | 8.52 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | Х | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | | | X | |
| Erosion Around Wellhead? | | | X | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |



| Project Number |
|-----------------------|
| RC000753.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-71-035

| Date | 12/17/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | 28.92 |
| Water Quality Meter | YSI | Gallons in Well | 1.07 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 35.48 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 34 |
| Water Column in | 6.56 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/18/2019 | MS/MSD Sample ID | |
| Sample Time | 08:30 | MS/MSD Sample Time | |
| Sample ID | MW-71-035-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 16 | Purge Date | 12/17/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:30 | | | 26.5 | 7.40 | 16540 | 60.4 | 1.48 | 16 | 30.01 | 9.74 | 10.80 |
| 08:43 | 0.1 | 0.4 | 26.8 | 7.37 | 16488 | 57.9 | 0.92 | 9 | 29.68 | 9.67 | 10.71 |
| 08:47 | 0.1 | 0.8 | 27.0 | 7.35 | 16480 | 55.9 | 0.86 | 13 | 31.06 | 9.67 | 10.71 |
| 08:51 | 0.1 | 1.2 | 27.1 | 7.35 | 16477 | 54.0 | 0.85 | 23 | 33.58 | 9.67 | 10.71 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | Х | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801



379 / 409



Project Number: RC000753.0801

MW-72-080

| Date | 12/06/2019 | Sampler | Matt Trainotti |
|-----------------------------|-------------------------|------------------------------|----------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | ml | Depth to Water (ft bmp) | 60.20 |
| Water Quality Meter | YSI | Gallons in Well | 3.07 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 79.00 |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 70 |
| Water Column in | 18.80 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 11:00 | MS/MSD Sample Time | |
| Sample ID | MW-72-080-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:44 | 500 | 2000 | 26.8 | 7.64 | 17324 | -220.8 | 0.97 | 15 | 60.30 | 10.87 | 11.11 |
| 10:48 | 500 | 4000 | 26.8 | 7.66 | 17348 | -243.8 | 0.71 | 10 | 60.30 | 10.87 | 11.11 |
| 10:52 | 500 | 6000 | 26.9 | 7.66 | 17396 | -254.5 | 0.55 | 5 | 60.30 | 10.87 | 11.11 |
| 10:56 | 500 | 8000 | 26.9 | 7.67 | 17402 | -257.8 | 0.43 | 5 | 60.30 | 10.87 | 11.11 |
| 10:59 | 500 | 10000 | 26.9 | 7.67 | 17453 | -264.5 | 0.38 | 5 | 60.30 | 10.87 | 11.11 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Χ | | |
| Standing or Ponded Water? | X | | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



| Item | Yes | No | NA | Notes |
|-------------------|-----|----|----|-------|
| Action Completed? | | Χ | | |



Project Number: RC000753.0801

MW-72BR-200

| Date | 12/06/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 59.81 |
| Water Quality Meter | YSI | Gallons in Well | 205.79 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 200.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | 152 |
| Water Column in | 140.19 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 10:38 | MS/MSD Sample Time | |
| Sample ID | MW-72BR-200-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 8 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:09 | 300 | 1200 | 27.4 | 7.89 | 12503 | -131.7 | 0.15 | 34 | 59.96 | 7.34 | 8.35 |
| 10:13 | 300 | 2400 | 27.6 | 7.85 | 12930 | -134.9 | 0.11 | 19 | 59.99 | 7.32 | 8.39 |
| 10:17 | 300 | 3600 | 27.6 | 7.86 | 13277 | -144.6 | 0.11 | 15 | 60.01 | 7.62 | 8.61 |
| 10:21 | 300 | 4800 | 27.6 | 7.88 | 14696 | -145.0 | 0.11 | 13 | 60.01 | 8.40 | 9.36 |
| 10:25 | 300 | 6000 | 27.6 | 7.95 | 14746 | -142.9 | 0.12 | 9 | 60.01 | 8.55 | 9.59 |
| 10:29 | 300 | 7200 | 27.6 | 7.96 | 14789 | -141.0 | 0.11 | 8 | 60.02 | 8.58 | 9.63 |
| 10:33 | 300 | 8400 | 27.6 | 7.97 | 14851 | -140.6 | 0.11 | 8 | 60.02 | 8.60 | 9.62 |
| 10:37 | 300 | 9600 | 27.4 | 7.98 | 14890 | -140.0 | 0.11 | 8 | 60.02 | 8.63 | 9.65 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | | X | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |



| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

MW-73-080

| Date | 12/06/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|-------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 52.26 |
| Water Quality Meter | YSI | Gallons in Well | 4.48 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 79.70 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 75 |
| Water Column in | 27.44 | Total Volume to Remove | |
| Well | | EB Sample ID | EB-707-Q419 |
| Did Well Dewater? | No | EB Time | 12:15 |
| Sample Date | 12/06/2019 | MS/MSD Sample ID | |
| Sample Time | 11:58 | MS/MSD Sample Time | |
| Sample ID | MW-73-080-Q419 | Double Filter Turbidity | 1 |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 14 | Purge Date | 12/06/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:41 | 200 | 800 | 26.6 | 7.38 | 10903 | 76.2 | 1.91 | 29 | 52.36 | 6.08 | 6.97 |
| 11:45 | 200 | 1600 | 27.3 | 7.41 | 9515 | 77.6 | 2.38 | 19 | 52.40 | 5.29 | 6.14 |
| 11:49 | 200 | 2400 | 27.4 | 7.42 | 9337 | 78.9 | 2.40 | 15 | 52.41 | 5.19 | 6.05 |
| 11:53 | 200 | 3200 | 27.4 | 7.42 | 9310 | 77.6 | 2.43 | 14 | 52.41 | 5.19 | 6.05 |
| 11:57 | 200 | 4000 | 27.4 | 7.42 | 9306 | 77.0 | 2.44 | 14 | 52.41 | 5.19 | 6.05 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | X | | | |
| Well Labeled on Casing or Pad? | | Х | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | X | | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

MW-74-240

| Date | 12/03/2019 | Sampler | Nara Tep |
|-----------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 215.54 |
| Water Quality Meter | YSI | Gallons in Well | 3.99 |
| Sampling Type | Low Flow – QED Bladder Pump | Measured Well Depth (ft bmp) | 240.00 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 230 |
| Water Column in | 24.46 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/05/2019 | ——— MS/MSD Sample ID | |
| Sample Time | 14:18 | MS/MSD Sample Time | |
| Sample ID | MW-74-240-Q419 | ——— Double Filter Turbidity | 1 |
| Single Filter Turbidity | 2 | ——— Post Sampling Turbidity | |
| Without Filter Turbidity | 24 | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:01 | 200 | 15000 | 26.4 | 7.90 | 794 | 49.6 | 1.44 | 30 | 216.30 | 0.39 | 0.51 |
| 14:05 | 200 | 15800 | 26.4 | 8.01 | 787 | 43.0 | 0.96 | 26 | 217.01 | 0.38 | 0.50 |
| 14:09 | 200 | 16600 | 26.4 | 8.03 | 788 | 42.3 | 0.92 | 25 | 217.76 | 0.38 | 0.50 |
| 14:13 | 200 | 17400 | 26.4 | 8.03 | 788 | 42.1 | 0.91 | 25 | 218.33 | 0.38 | 0.50 |
| 14:17 | 200 | 18200 | 26.4 | 8.04 | 789 | 40.6 | 0.88 | 24 | 218.96 | 0.38 | 0.50 |
| 14:29 | 100 | 400 | 22.7 | 7.49 | 817 | 92.8 | 2.23 | 15 | 216.39 | 0.40 | 0.53 |
| 14:33 | 100 | 800 | 24.7 | 7.75 | 810 | 82.6 | 1.80 | 26 | 217.11 | 0.39 | 0.52 |
| 14:37 | 100 | 1200 | 24.9 | 7.89 | 806 | 76.0 | 1.29 | 39 | 217.79 | 0.39 | 0.52 |
| 14:41 | 100 | 1600 | 25.0 | 7.96 | 796 | 65.9 | 0.84 | 99 | 218.35 | 0.38 | 0.51 |
| 14:45 | 100 | 2000 | 25.2 | 8.03 | 789 | 57.9 | 0.69 | 130 | 218.93 | 0.38 | 0.51 |
| 14:49 | 400 | 3600 | 24.9 | 8.10 | 788 | 55.2 | 0.47 | 79 | 219.68 | 0.38 | 0.51 |
| 14:53 | 400 | 5200 | 25.1 | 8.13 | 788 | 54.0 | 0.43 | 47 | 220.99 | 0.38 | 0.51 |
| 14:57 | 400 | 7800 | 25.3 | 8.14 | 789 | 51.5 | 0.41 | 39 | 222.19 | 0.38 | 0.51 |
| 15:01 | 400 | 9400 | 25.3 | 8.14 | 792 | 52.0 | 0.39 | 36 | 224.50 | 0.39 | 0.51 |
| 15:05 | 400 | 11000 | 25.3 | 8.15 | 791 | 52.3 | 0.39 | 35 | 226.03 | 0.39 | 0.51 |
| 15:09 | 400 | 12600 | 25.3 | 8.15 | 791 | 53.1 | 0.38 | 35 | 227.96 | 0.39 | 0.51 |
| 15:13 | 400 | 14200 | 25.4 | 8.16 | 792 | 51.0 | 0.38 | 34 | 229.45 | 0.39 | 0.51 |
| 15:13 | | | | | | | | | | | |

| Item | Yes | No | NA | Notes |
|----------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | X | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

OW-03D

| Date | 12/19/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 102.98 |
| Water Quality Meter | YSI | Gallons in Well | 27.88 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 273.91 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 252 |
| Water Column in | 170.93 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/19/2019 | MS/MSD Sample ID | |
| Sample Time | 09:54 | MS/MSD Sample Time | |
| Sample ID | OW-03D-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 2 | Purge Date | 12/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:25 | 500 | 2000 | 29.8 | 7.98 | 10633 | 20.1 | 0.45 | 6 | 103.05 | 5.96 | 6.93 |
| 09:29 | 500 | 4000 | 29.9 | 7.95 | 10587 | 16.8 | 0.46 | 4 | 103.05 | 5.88 | 6.89 |
| 09:33 | 500 | 6000 | 29.9 | 7.96 | 10566 | 16.1 | 0.46 | 3 | 103.05 | 5.93 | 6.89 |
| 09:37 | 500 | 8000 | 29.9 | 7.96 | 10686 | 15.5 | 0.45 | 3 | 103.05 | 5.98 | 6.94 |
| 09:41 | 500 | 10000 | 30.0 | 7.96 | 10660 | 15.3 | 0.46 | 2 | 103.15 | 5.99 | 6.93 |
| 09:45 | 500 | 12000 | 30.0 | 7.96 | 10632 | 15.2 | 0.45 | 2 | 103.05 | 5.99 | 6.93 |
| 09:49 | 500 | 14000 | 30.0 | 7.96 | 10627 | 14.8 | 0.45 | 2 | 103.05 | 5.97 | 6.91 |
| 09:53 | 500 | 16000 | 30.0 | 7.96 | 10622 | 14.6 | 0.44 | 2 | 103.05 | 5.97 | 6.91 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

OW-03M

| Date | 12/19/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 103.18 |
| Water Quality Meter | YSI | Gallons in Well | 16.44 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 203.95 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 190 |
| Water Column in | 100.77 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/19/2019 | MS/MSD Sample ID | |
| Sample Time | 10:50 | MS/MSD Sample Time | |
| Sample ID | OW-03M-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 4 | Purge Date | 12/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 10:29 | 500 | 2000 | 29.2 | 7.96 | 6858 | -16.8 | 0.84 | 20 | 103.29 | 3.67 | 4.40 |
| 10:33 | 500 | 4000 | 29.6 | 7.95 | 6631 | 7.1 | 0.81 | 12 | 103.29 | 3.73 | 4.42 |
| 10:37 | 500 | 6000 | 29.5 | 7.95 | 6660 | 17.1 | 0.78 | 6 | 103.29 | 3.60 | 4.34 |
| 10:41 | 500 | 8000 | 29.6 | 7.95 | 6723 | 20.7 | 0.75 | 4 | 103.29 | 3.59 | 4.37 |
| 10:45 | 500 | 10000 | 29.6 | 7.95 | 6726 | 21.3 | 0.75 | 4 | 103.29 | 3.59 | 4.37 |
| 10:49 | 500 | 12000 | 29.6 | 7.95 | 6730 | 22.0 | 0.74 | 4 | 103.29 | 3.59 | 4.37 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |

390 / 409



| Project | Number |
|----------------|---------|
| RC0007 | 53.0801 |

| Item | Yes | No | NA | Notes |
|--------------|-----|----|----|-------|
| Photo Taken? | X | | | |

Photos and Drawings

Feb 4, 2020, 4:40 PM





Project Number: RC000753.0801

OW-03S

| Date | 12/19/2019 | Sampler | Nara Tep |
|-----------------------------|-------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | MI | Depth to Water (ft bmp) | 102.90 |
| Water Quality Meter | YSI | Gallons in Well | 2.81 |
| Sampling Type | Low Flow – Grundfos RF2 | Measured Well Depth (ft bmp) | 120.10 |
| Casing Material | PVC | Odor | None |
| Casing Diameter (in) | 2 | Pump Intake Depth (ft bmp) | 110 |
| Water Column in | 17.2 | Total Volume to Remove | |
| Well | | EB Sample ID | |
| Did Well Dewater? | No | EB Time | |
| Sample Date | 12/19/2019 | MS/MSD Sample ID | |
| Sample Time | 11:28 | MS/MSD Sample Time | |
| Sample ID | OW-03S-Q419 | Double Filter Turbidity | |
| Single Filter Turbidity | 1 | Post Sampling Turbidity | |
| Without Filter Turbidity | 5 | Purge Date | 12/19/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 11:11 | 500 | 2000 | 29.4 | 7.83 | 1409 | 70.9 | 1390 | 14 | 103.01 | 0.70 | 0.91 |
| 11:15 | 500 | 4000 | 30.0 | 7.81 | 1400 | 70.1 | 1383 | 7 | 103.01 | 0.70 | 0.91 |
| 11:19 | 500 | 6000 | 30.1 | 7.81 | 1398 | 69.5 | 1381 | 5 | 103.01 | 0.70 | 0.91 |
| 11:23 | 500 | 8000 | 30.1 | 7.80 | 1396 | 68.0 | 1380 | 5 | 103.01 | 0.70 | 0.91 |
| 11:27 | 500 | 10000 | 30.2 | 7.80 | 1395 | 67.9 | 1380 | 5 | 103.01 | 0.70 | 0.91 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | Х | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | | X | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

PE-01

| Date | 12/04/2019 | Sampler | Spencer Doolittle |
|-------------------------|-----------------|------------------------------|-------------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Water Quality Meter | YSI | Depth to Water (ft bmp) | |
| Sampling Type | Extraction port | Gallons in Well | |
| Did Well Dewater? | No | Measured Well Depth (ft bmp) | |
| Sample Date | 12/04/2019 | Odor | None |
| Sample Time | 14:30 | Pump Intake Depth (ft bmp) | |
| Sample ID | PE-01-Q419 | Total Volume to Remove | |
| Single Filter Turbidity | 1 | EB Sample ID | |
| Without Filter | 4 | EB Time | |
| Turbidity | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:30 | | | 18.8 | 7.61 | 5120 | 181.7 | 5.15 | 4 | | 2.77 | 3.3280 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

PGE-07BR

| Date | 12/03/2019 | Sampler | Matt Trainotti |
|-------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | gal | Depth to Water (ft bmp) | 110.64 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | Yes | Total Volume to Remove | |
| Sample Date | 12/04/2019 | EB Sample ID | |
| Sample Time | 09:00 | EB Time | |
| Sample ID | PGE-07BR-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 11 | MS/MSD Sample Time | |
| Without Filter | 32 | Double Filter Turbidity | 1 |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 08:48 | 2.5 | 80 | 31.1 | 7.39 | 21637 | -288.0 | 0.54 | 22 | | 12.89 | 14.06 |
| 08:59 | 2.5 | 110 | 31.4 | 7.44 | 21450 | -299.1 | 0.54 | 33 | | 12.74 | 13.91 |
| 11:31 | 2.5 | 20 | 30.9 | 7.97 | 20013 | -382.5 | 0.43 | 70 | | 11.83 | 12.97 |
| 11:32 | 2.5 | 40 | 31.8 | 7.77 | 20331 | -389.9 | 0.38 | 55 | | 12.03 | 13.33 |
| 11:34 | 2.5 | 60 | 32.0 | 7.67 | 20276 | -388.2 | 0.37 | 148 | | 11.99 | 13.17 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | X | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | X | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |



Groundwater Monitoring Field Data Form Site: PGE Topock Topock, CA Project Number: RC000753.0801





Project Number: RC000753.0801

PGE-08

| Date | 12/10/2019 | Sampler | Nara Tep |
|-------------------------|-----------------------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | 3 |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | 143.23 |
| Water Quality Meter | YSI | _ Gallons in Well | 602.99 |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | 554.00 |
| Casing Material | PVC | Odor | Sulphur |
| Casing Diameter (in) | 6 | Pump Intake Depth (ft bmp) | |
| Water Column in | 410.77 | Total Volume to Remove | 1808.97 |
| Well | | EB Sample ID | |
| Comments | Dedicated 3" grundfos pump | - EB Time | |
| Did Well Dewater? | No | MS/MSD Sample ID | |
| Sample Date | 12/10/2019 | MS/MSD Sample Time | |
| Sample Time | 16:44 | Double Filter Turbidity | |
| Sample ID | PGE-08-Q419 | Post Sampling Turbidity | |
| Single Filter Turbidity | 1 | - Purge Date | 12/10/2019 |
| Without Filter | 1 | _ | |
| Turbidity | | | |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:13 | 8 | 160 | 30.1 | 8.39 | 20796 | -46.9 | 0.23 | 1 | 203.96 | 12.45 | 13.51 |
| 13:33 | 8 | 320 | 30.6 | 8.45 | 20998 | -73.9 | 0.13 | 1 | 207.08 | 12.54 | 13.65 |
| 13:53 | 8 | 480 | 30.5 | 8.32 | 19402 | -85.0 | 0.09 | 1 | 207.12 | 11.48 | 12.61 |
| 14:13 | 8 | 640 | 30.5 | 8.26 | 19869 | -89.1 | 0.08 | 1 | 207.16 | 12.46 | 13.54 |
| 14:33 | 8 | 800 | 30.2 | 8.29 | 21089 | -92.6 | 0.11 | 1 | 207.20 | 12.58 | 13.68 |
| 14:53 | 8 | 960 | 30.3 | 8.30 | 21055 | -94.3 | 0.11 | 1 | 207.20 | 12.57 | 13.68 |
| 15:13 | 8 | 1120 | 30.3 | 8.30 | 21066 | -95.0 | 0.10 | 1 | 207.23 | 12.57 | 13.68 |
| 15:33 | 8 | 1280 | 30.3 | 8.31 | 21068 | -95.3 | 0.10 | 1 | 207.23 | 12.57 | 13.68 |
| 15:53 | 8 | 1440 | 30.4 | 8.31 | 21065 | -96.1 | 0.10 | 1 | 207.23 | 12.57 | 13.68 |
| 16:13 | 8 | 1600 | 30.4 | 8.31 | 21073 | -96.5 | 0.09 | 1 | 207.23 | 12.57 | 13.68 |
| 16:33 | 8 | 1760 | 30.4 | 8.32 | 21075 | -97.2 | 0.08 | 1 | 207.23 | 12.57 | 13.68 |
| 16:43 | 8 | 1840 | 30.4 | 8.32 | 21076 | -97.6 | 0.08 | 1 | 207.23 | 12.57 | 13.68 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | X | | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Χ | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |



Project Number: RC000753.0801

| Item | Yes | No | NA | Notes |
|----------------------------|-----|----|----|-------|
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | X | | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | Х | | | |
| Photo Taken? | X | | | |





Project Number: RC000753.0801

PM-03

| Date | 12/16/2019 | Sampler | Nara Tep |
|-------------------------|-----------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Extraction port | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 12/16/2019 | Total Volume to Remove | |
| Sample Time | 09:20 | EB Sample ID | |
| Sample ID | PM-03-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/16/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:20 | 1 | 5 | 26.8 | 7.90 | 1485 | 89.0 | 3.18 | 2 | | 0.75 | 0.96 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | Х | | |
| Steel Casing Intact? | | | Х | |
| PVC Cap Present? | | | Х | |
| Standing Water in Annulus? | | | Х | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |



Project Number: RC000753.0801





Project Number: RC000753.0801

PM-04

| Date | 12/16/2019 | Sampler | Nara Tep |
|-------------------------|-----------------|------------------------------|------------|
| Weather Conditions | Sunny | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Purge Volume Units | Gal | Depth to Water (ft bmp) | |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Extraction port | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | None |
| Did Well Dewater? | No | Pump Intake Depth (ft bmp) | |
| Sample Date | 12/16/2019 | Total Volume to Remove | |
| Sample Time | 09:40 | EB Sample ID | |
| Sample ID | PM-04-Q419 | EB Time | |
| Single Filter Turbidity | 1 | MS/MSD Sample ID | |
| Without Filter | 2 | MS/MSD Sample Time | |
| Turbidity | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/16/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 09:40 | 1 | 5 | 27.9 | 7.95 | 2556 | 58.9 | 3.51 | 2 | | 1.33 | 1.67 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | | X | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | X | | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | | X | | |
| Traffic Poles Intact? | X | | | |
| Concrete Pad Intact? | X | | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | | | X | |
| PVC Cap Present? | | | X | |
| Standing Water in Annulus? | | | X | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |

401 / 409



Project Number: RC000753.0801





Project Number: RC000753.0801

TW-01

| Date | 12/03/2019 | Sampler | Matt Trainotti |
|-------------------------|-----------------------------|------------------------------|----------------|
| Weather Conditions | Cloudy | Color | Clear |
| Purge Method | Low Flow | Casing Volume to Remove | |
| Purge Volume Units | gal | Depth to Water (ft bmp) | 168.10 |
| Water Quality Meter | YSI | Gallons in Well | |
| Sampling Type | Volume Purge – Grundfos RF2 | Measured Well Depth (ft bmp) | |
| Casing Material | PVC | Odor | none |
| Casing Diameter (in) | 4 | Pump Intake Depth (ft bmp) | |
| Did Well Dewater? | No | Total Volume to Remove | |
| Sample Date | 12/03/2019 | EB Sample ID | EB-702-Q419 |
| Sample Time | 14:20 | EB Time | 15:30 |
| Sample ID | TW-01-Q419 | MS/MSD Sample ID | |
| Single Filter Turbidity | 1 | MS/MSD Sample Time | |
| Without Filter | 1 | Double Filter Turbidity | |
| Turbidity | | Post Sampling Turbidity | |
| | | Purge Date | 12/03/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 13:30 | | 70 | 28.8 | 7.32 | 12527 | -109.3 | 1.20 | 5 | | 7.14 | 8.15 |
| 13:41 | | 280 | 29.0 | 7.33 | 10556 | -199.6 | 1.04 | 2 | | 5.82 | 6.66 |
| 13:45 | | 140 | 28.9 | 7.33 | 11588 | -116.5 | 1.04 | | | 6.57 | 7.54 |
| 14:00 | | 210 | 29.0 | 7.33 | 10798 | -118.8 | 1.01 | 2 | | 6.10 | 7.03 |
| 14:19 | | 340 | 29.0 | 7.33 | 10379 | -120.8 | 1.07 | 1 | | 5.82 | 6.66 |

| Item | Yes | No | NA | Notes |
|--------------------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Х | | |
| Standing or Ponded Water? | | X | | |
| Lock in Place? | | Х | | |
| Evidence of well subsidence? | | Х | | |
| Well Labeled on Casing or Pad? | X | | | |
| Traffic Poles Intact? | | Х | | |
| Concrete Pad Intact? | | Х | | |
| Erosion Around Wellhead? | | X | | |
| Steel Casing Intact? | X | | | |
| PVC Cap Present? | | Х | | |
| Standing Water in Annulus? | | Х | | |
| Well Casing Intact? | X | | | |
| Photo Taken? | X | | | |
| Action Completed? | | Х | | |



Project Number: RC000753.0801



Project Number: RC000753.0801

TW-02D

| Date | 12/04/2019 | Sampler | Spencer Doolittle |
|-------------------------|-----------------|------------------------------|-------------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Water Quality Meter | YSI | Depth to Water (ft bmp) | |
| Sampling Type | Extraction port | Gallons in Well | |
| Did Well Dewater? | No | Measured Well Depth (ft bmp) | |
| Sample Date | 12/04/2019 | Odor | None |
| Sample Time | 14:35 | Pump Intake Depth (ft bmp) | |
| Sample ID | TW-02D-Q419 | Total Volume to Remove | |
| Single Filter Turbidity | 1 | EB Sample ID | |
| Without Filter | 12 | EB Time | |
| Turbidity | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:35 | | | 18.2 | 7.82 | 5092 | 200.2 | 7.63 | 12 | | 2.76 | 3.3130 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

TW-03D

| Date | 12/04/2019 | Sampler | Spencer Doolittle |
|-------------------------|-----------------|------------------------------|-------------------|
| Weather Conditions | Rain | Color | Clear |
| Purge Method | Extraction Port | Casing Volume to Remove | |
| Water Quality Meter | YSI | Depth to Water (ft bmp) | |
| Sampling Type | Extraction port | Gallons in Well | |
| Did Well Dewater? | No | Measured Well Depth (ft bmp) | |
| Sample Date | 12/04/2019 | Odor | None |
| Sample Time | 14:25 | Pump Intake Depth (ft bmp) | |
| Sample ID | TW-03D-Q419 | Total Volume to Remove | |
| Single Filter Turbidity | 1 | EB Sample ID | |
| Without Filter | 2 | EB Time | |
| Turbidity | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/04/2019 |

Field Parameters

| Time | Flow Rate (ml/min or gal/ min) | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|-------|--|--------------------|----------|------|------------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| 14:25 | | | 19.1 | 7.62 | 7180 | 195.0 | 5.51 | 2 | | 3.98 | 4.6865 |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Groundwater Monitoring Field Data Form

Project Number: RC000753.0801

Site: PGE Topock Topock, CA

| _ | _ | | _ | _ |
|---|---|-----|---|---|
| | о | B I | c | |
| | ь | IM | - | |
| | | | | |

| Date | 12/10/2019 | Sampler | |
|------|------------|------------------------------|------------|
| | | Color | |
| | | Casing Volume to Remove | |
| | | Depth to Water (ft bmp) | |
| | | Gallons in Well | |
| | | Measured Well Depth (ft bmp) | |
| | | Odor | |
| | | Pump Intake Depth (ft bmp) | |
| | | Total Volume to Remove | |
| | | EB Sample ID | |
| | | EB Time | |
| | | MS/MSD Sample ID | |
| | | MS/MSD Sample Time | |
| | | Double Filter Turbidity | |
| | | Post Sampling Turbidity | |
| | | Purge Date | 12/10/2019 |
| | | | |

Field Parameters

| Time | Flow Rate | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |
|------|----------------------------|--------------------|----------|----|---------------------|----------|-----------|--------------------|----------|-------------------|-----------|
| | (ml/min or gal/ min) | | | | | | | | | | |

Well Integrity Checklist

| Item | Yes | No | NA | Notes |
|----------------------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |
| Survey Mark Present? | | Х | | |



Project Number: RC000753.0801

| • | _ | _ | | | |
|------|---|---|---|---|----|
| 10.0 | | m | N | ы | וו |
| | | | | | |

| Date | 1 | 2/04/2019 | | | S | ampler | | _ | | | | | | |
|--------------|-------------------------|--------------------|----------|----|------------------------|-------------------------|--------------|--------------------|------------|-------------------|-----------|--|--|--|
| | | | | | C | Color | | | | | | | | |
| | | | | | C | asing Volun | ne to Remo | ve | | | | | | |
| | | | | | D | Depth to Water (ft bmp) | | | | | | | | |
| | | | | | Gallons in Well | | | | | | | | | |
| | | | | | M | bmp) | | | | | | | | |
| | | | | | С |)dor | | _ | | | | | | |
| | | | | | Р | ump Intake | Depth (ft br | np) _ | | | | | | |
| | Total Volume to Remove | | | | | | | | | | | | | |
| EB Sample ID | | | | | | | _ | | | | | | | |
| | | | | | Е | B Time | | | | | | | | |
| | | | | | M | IS/MSD Sar | mple ID | | | | | | | |
| | | | | | N | 1S/MSD Sar | mple Time | _ | | | | | | |
| | | | | | D | ouble Filter | Turbidity | _ | | | | | | |
| | | | | | | ost Samplin | | _ | | | | | | |
| | | | | | Р | urge Date | | _ | 12/04/2019 | | | | | |
| | | | | | | | | | | | | | | |
| Field Parar | neters | | | | | | | | | | | | | |
| Time | Flow Rate (ml/min | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) | | | |

Well Integrity Checklist

or gal/ min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |



Project Number: RC000753.0801

| Date | 1 | 12/04/2019 | | | S | ampler | | _ | | | |
|------------|------------------------------------|--------------------|----------|----|----------------------------|-------------------------|---------------|--------------------|-----------|-------------------|-----------|
| | | | | | C | Color | | _ | | | |
| | | | | | C | asing Volur | ne to Remo | ve _ | | | |
| | | | | | D | epth to Wat | ter (ft bmp) | _ | | | |
| | | | | | G | allons in W | ell | _ | | | |
| | | | | | N | leasured W | ell Depth (ft | bmp) _ | | | |
| | | | | | C |)dor | | _ | | | |
| | | | | | Pump Intake Depth (ft bmp) | | | | | | |
| | | | | | Т | otal Volume | to Remove | _ | | | |
| | | | | | E | B Sample II | D | _ | | | |
| | | | | | E | B Time | | _ | | | |
| | | | | | N | 1S/MSD Sar | mple ID | _ | | | |
| | | | | | N | 1S/MSD Sar | mple Time | _ | | | |
| | | | | | D | ouble Filter | Turbidity | _ | | | |
| | | | | | | Post Sampling Turbidity | | | | | |
| | | | | | Р | urge Date | | 1 | 2/04/2019 | | |
| | | | | | | | | | | | |
| Field Para | meters | | | | | | | | | | |
| Time | Flow Rate (ml/min or gal/ | Cuml Vol Purged | Temp (C) | рН | Conductivit (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | DTW (ft) | Salinity (ppt) | TDS (g/L) |

Well Integrity Checklist

min)

| Item | Yes | No | NA | Notes |
|------|-----|----|----|-------|
| Date | | | | |
| Time | | | | |