

Appendix D

Field Sampling Forms, First Quarter 2025

For additional help with the information provided in Appendix D, please contact Erin Somers, Arcadis Report Lead, at 905-807-6126.

Location ID:	MW-20-070	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:56.19 °F, rH:24%, Clouds: 0%, Wind:18.41mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	50-70	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	46.82	Total Depth (ft-bmp):	68.38	Water Column(ft):	21.56	Liters in Well: 53.28
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	60	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	09:06	Total Volume Purged (liters):	7.5	Sample ID:	MW-20-070-0125	Sample Time: 09:22
Purge End Time:	09:21	Well Volumes Purged (total):	0.14	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:09	0	500	mL/min	46.84	7.03	1.12	1.42	2198	40	5.53	25.9	53.2	Clear	No Odor
09:12	3	500	mL/min	46.84	7.06	1.11	1.41	2183	37	5.54	26.8	58.8	Clear	No Odor
09:15	6	500	mL/min	46.84	7.08	1.11	1.42	2191	37	5.57	26.4	61.8	Clear	No Odor
09:18	9	500	mL/min	46.84	7.11	1.11	1.42	2183	36	5.47	26.5	63.3	Clear	No Odor
09:21	12	500	mL/min	46.84	7.11	1.11	1.41	2180	36	5.56	26.6	64.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
36	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-20-100	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:58.95 °F, rH:22%, Clouds: 0%, Wind:16.11mph N-NW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	89.5-99.5	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	47.14	Total Depth (ft-bmp):	98.07	Water Column(ft):	50.93	Liters in Well: 125.85
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	95	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	10:22	Total Volume Purged (liters):	7.5	Sample ID:	MW-20-100-0125	Sample Time: 10:38
Purge End Time:	10:37	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	Duplicate / MW-901-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:25	0	500	mL/min	47.16	7.16	2.59	3.12	4763	12	4.01	27.1	65.9	Clear	No Odor
10:28	3	500	mL/min	47.16	7.14	2.85	3.45	5305	10	3.97	27.1	67.4	Clear	No Odor
10:31	6	500	mL/min	47.16	7.12	2.98	3.59	5523	8	2.98	26.9	66.8	Clear	No Odor
10:34	9	500	mL/min	47.16	7.11	2.98	3.6	5544	8	3.08	26.8	64.4	Clear	No Odor
10:37	12	500	mL/min	47.16	7.1	2.99	3.6	5552	8	2.99	27	64.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-20-130	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:56.64 °F, rH:24%, Clouds: 0%, Wind:18.41mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	121-131	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	47.57	Total Depth (ft-bmp):	129.55	Water Column(ft):	81.98	Liters in Well: 202.58
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	126	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	09:42	Total Volume Purged (liters):	7.5	Sample ID:	MW-20-130-0125	Sample Time: 09:58
Purge End Time:	09:57	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:45	0	500	mL/min	47.59	7.13	5.34	6.21	9543	31	1.05	27.1	56.2	Clear	No Odor
09:48	3	500	mL/min	47.59	7.13	5.36	6.23	9567	28	0.82	27	51.9	Clear	No Odor
09:51	6	500	mL/min	47.59	7.12	5.39	6.26	9620	26	0.6	27.2	47.1	Clear	No Odor
09:54	9	500	mL/min	47.59	7.12	5.42	6.29	9673	26	0.54	27	44.6	Clear	No Odor
09:57	12	500	mL/min	47.59	7.11	5.45	6.32	9717	26	0.54	27.2	43.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
26	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-21	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:58.35 °F, rH:23%, Clouds: 0%, Wind:24.16mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	39-59	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	50.43	Total Depth (ft-bmp):	58.36	Water Column(ft):	7.93	Liters in Well: 19.6
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	54	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	10:20	Total Volume Purged (liters):	2.7	Sample ID:	MW-21-0125	Sample Time: 10:36
Purge End Time:	10:35	Well Volumes Purged (total):	0.14	Replicate Type / Replicate ID:	Equipment Blank / MW-21-EB-0125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:23	0	500	mL/min	50.98	7.14	6.59	7.52	11583	13	1	24.7	-137.2	Clear	No Odor
10:26	3	100	mL/min	51.05	7.16	6.71	7.65	11727	11	0.75	25.1	-151.4	Clear	No Odor
10:29	6	100	mL/min	51.05	7.28	6.71	7.65	11787	10	0.56	25	-152.8	Clear	No Odor
10:32	9	100	mL/min	51.05	7.3	6.71	7.65	11783	10	0.52	25.3	-152.9	Clear	No Odor
10:35	12	100	mL/min	51.05	7.31	6.71	7.65	11786	10	0.51	25.3	-152.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-26	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:18.62 °C, rH:15%, Clouds: 0%, Wind:6.17m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	51.5-71.5	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	47.3	Total Depth (m-bmp):	68.95	Water Column(m):	21.65	Liters in Well: 43.88
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	64	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	12:33	Total Volume Purged (liters):	7.5	Sample ID:	MW-26-0125	Sample Time: 12:49
Purge End Time:	12:48	Well Volumes Purged (total):	0.17	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:33	0	500	mL/min	47.3	7.16	4.61	5.4	8302	8	0.73	26	122.8	Clear	No Odor
12:36	3	500	mL/min	47.3	6.99	4.62	5.41	8341	6	0.51	26.3	122.2	Clear	No Odor
12:39	6	500	mL/min	47.3	6.98	4.63	5.43	8332	5	0.5	26.5	121.1	Clear	No Odor
12:42	9	500	mL/min	47.3	6.98	4.64	5.43	8357	5	0.49	26.4	121	Clear	No Odor
12:45	12	500	mL/min	47.3	6.98	4.64	5.43	8365	5	0.46	26.1	121.2	Clear	No Odor
12:48	15	500	mL/min	47.3	6.98	4.64	5.43	8372	5	0.45	26.1	121.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-30-050	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:18.69 °C, rH:16%, Clouds: 0%, Wind:7.72m/s N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	40-50	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (m-bmp):	14.02	Total Depth (m-bmp):	50.15	Water Column(m):	36.13	Liters in Well: 292.92
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	45	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	13:43	Total Volume Purged (liters):	7.5	Sample ID:	MW-30-050-0125	Sample Time: 13:59
Purge End Time:	13:58	Well Volumes Purged (total):	0.03	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:43	0	500	mL/min	14.02	7.63	0.9	1.15	1771	26	1.21	24.7	123.8	Clear	No Odor
13:46	3	500	mL/min	14.09	7.37	0.66	0.86	1329	11	0.67	24.3	122.2	Clear	No Odor
13:49	6	500	mL/min	14.09	7.28	0.66	0.85	1317	10	0.52	24.6	118.9	Clear	No Odor
13:52	9	500	mL/min	14.09	7.27	0.66	0.85	1315	10	0.51	24.6	118.1	Clear	No Odor
13:55	12	500	mL/min	14.09	7.27	0.66	0.85	1318	10	0.54	24.7	117.6	Clear	No Odor
13:58	15	500	mL/min	14.09	7.27	0.66	0.85	1317	10	0.52	24.6	117	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-31-060	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:61.72 °F, rH:20%, Clouds: 0%, Wind:23.02mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	41.5-61.5	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	41.63	Total Depth (ft-bmp):	61.35	Water Column(ft):	19.72	Liters in Well: 48.73
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	51	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:06	Total Volume Purged (liters):	7.5	Sample ID:	MW-31-060-0125	Sample Time: 11:22
Purge End Time:	11:21	Well Volumes Purged (total):	0.15	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:09	0	500	mL/min	41.65	7.24	4.39	5.16	7937	29	0.69	24.3	-186.9	Clear	No Odor
11:12	3	500	mL/min	41.65	7.23	4.39	5.16	7938	22	0.41	25.3	-207.2	Clear	No Odor
11:15	6	500	mL/min	41.65	7.23	4.38	5.15	7938	21	0.31	25.5	-227.1	Clear	No Odor
11:18	9	500	mL/min	41.65	7.24	4.41	5.16	7932	21	0.27	25.6	-230.4	Clear	No Odor
11:21	12	500	mL/min	41.65	7.22	4.38	5.15	7923	21	0.25	25.7	-232.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
21	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-31-135	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:62.4 °F, rH:19%, Clouds: 0%, Wind:23.02mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	113-133	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	42.82	Total Depth (ft-bmp):	130.1	Water Column(ft):	87.28	Liters in Well: 53.92
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	123	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:43	Total Volume Purged (liters):	7.5	Sample ID:	MW-31-135-0125	Sample Time: 11:59
Purge End Time:	11:58	Well Volumes Purged (total):	0.14	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:46	0	500	mL/min	42.85	7.17	5.37	6.21	9578	47	1.19	24.2	-69	Clear	No Odor
11:49	3	500	mL/min	42.85	7.2	5.51	6.39	9808	44	0.88	26.2	-61.4	Clear	No Odor
11:52	6	500	mL/min	42.85	7.25	5.51	6.38	9851	42	0.48	26.3	-64.8	Clear	No Odor
11:55	9	500	mL/min	42.85	7.29	5.53	6.4	9855	42	0.45	26.4	-66.6	Clear	No Odor
11:58	12	500	mL/min	42.85	7.31	5.53	6.4	9839	41	0.42	26.4	-65.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
41	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-34-080	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:65.75 °F, rH:16%, Clouds: 0%, Wind:17.27mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	73-83	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	8.58	Total Depth (ft-bmp):	85	Water Column(ft):	76.42	Liters in Well: 188.84
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	78	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	13:10	Total Volume Purged (liters):	7.5	Sample ID:	MW-34-080-0125	Sample Time: 13:26
Purge End Time:	13:25	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:13	0	500	mL/min	8.6	7	5.24	6.05	9310	11	0.33	20	-102.2	Clear	No Odor
13:16	3	500	mL/min	8.6	6.99	5.23	6.04	9302	9	0.23	20	-97.3	Clear	No Odor
13:19	6	500	mL/min	8.6	6.98	5.23	6.04	9295	7	0.2	20.1	-96.1	Clear	No Odor
13:22	9	500	mL/min	8.6	6.97	5.22	6.04	9287	7	0.16	20.1	-95.4	Clear	No Odor
13:25	12	500	mL/min	8.6	6.96	5.22	6.03	9281	7	0.14	20.1	-95.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-34-100	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:64.13 °F, rH:18%, Clouds: 0%, Wind:19.57mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	89.5-99.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	8.62	Total Depth (ft-bmp):	115.7	Water Column(ft):	107.08	Liters in Well:	66.15
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	95	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:47	Total Volume Purged (liters):	7.5	Sample ID:	MW-34-100-0125	Sample Time:	13:03
Purge End Time:	13:02	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:50	0	500	mL/min	8.65	7.24	8.12	9.09	13985	8	0.45	20	-177.8	Clear	No Odor
12:53	3	500	mL/min	8.65	7.16	7.81	8.77	13503	6	0.36	20.1	-151.8	Clear	No Odor
12:56	6	500	mL/min	8.65	7.11	7.77	8.73	13437	6	0.28	20.1	-137	Clear	No Odor
12:59	9	500	mL/min	8.65	7.09	7.77	8.72	13423	6	0.23	20.1	-136.3	Clear	No Odor
13:02	12	500	mL/min	8.65	7.07	7.76	8.72	13413	6	0.19	20.1	-129	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-090	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:65.88 °F, rH:15%, Clouds: 0%, Wind:16.11mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	80-90	Casing Diameter (in):	1	Well Casing Material:
Static Water Level (ft-bmp):	17.38	Total Depth (ft-bmp):	92.33	Water Column(ft):	74.95	Liters in Well: 11.58
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	85	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	14:14	Total Volume Purged (liters):	7.5	Sample ID:	MW-36-090-0125	Sample Time: 14:30
Purge End Time:	14:29	Well Volumes Purged (total):	0.65	Replicate Type / Replicate ID:	Equipment Blank / EB-705-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:17	0	500	mL/min	17.4	7.16	2.11	2.58	3976	16	4.55	22.6	-52.3	Clear	No Odor
14:20	3	500	mL/min	17.4	7.15	3.34	3.93	5924	13	4.45	22.7	-39.3	Clear	No Odor
14:23	6	500	mL/min	17.4	7.14	3.89	4.58	7054	13	4.37	22.6	-28.3	Clear	No Odor
14:26	9	500	mL/min	17.4	7.15	3.9	4.6	7066	13	4.33	22.5	-26.5	Clear	No Odor
14:29	12	500	mL/min	17.4	7.16	4	4.74	7251	13	4.3	22.4	-21.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-100	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:65.88 °F, rH:16%, Clouds: 0%, Wind:17.27mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	88-98	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	17.43	Total Depth (ft-bmp):	109.72	Water Column(ft):	92.29	Liters in Well: 57.01
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	93	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	13:50	Total Volume Purged (liters):	7.5	Sample ID:	MW-36-100-0125	Sample Time: 14:06
Purge End Time:	14:05	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	MS/MSD / MW-36-100-0125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:53	0	500	mL/min	17.45	7.01	6.22	7.12	10970	10	0.31	23.3	-88.4	Clear	No Odor
13:56	3	500	mL/min	17.45	7.01	6.02	6.91	10653	8	0.24	23.2	-88.7	Clear	No Odor
13:59	6	500	mL/min	17.45	7.02	5.85	6.73	10384	8	0.2	23.2	-97.1	Clear	No Odor
14:02	9	500	mL/min	17.45	7.03	5.83	6.7	10313	8	0.17	23.1	-98.4	Clear	No Odor
14:05	12	500	mL/min	17.45	7.04	5.81	6.68	10290	8	0.15	23.1	-97.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-040	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:14.72 °C, rH:23%, Clouds: 0%, Wind:10.8m/s N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	30-40	Casing Diameter (in):	1	Well Casing Material:
Static Water Level (m-bmp):	15.28	Total Depth (m-bmp):	39.61	Water Column(m):	24.33	Liters in Well: 12.33
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	35	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	10:05	Total Volume Purged (liters):	7.5	Sample ID:	MW-39-040-0125	Sample Time: 10:21
Purge End Time:	10:20	Well Volumes Purged (total):	0.61	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:05	0	500	mL/min	15.28	7.81	0.75	0.96	1477	4	1.61	19.4	133.6	Clear	No Odor
10:08	3	500	mL/min	15.29	7.6	0.74	0.95	1468	3	0.3	22.3	115.8	Clear	No Odor
10:11	6	500	mL/min	15.29	7.57	0.74	0.95	1468	3	0.29	22.3	111.2	Clear	No Odor
10:14	9	500	mL/min	15.29	7.56	0.74	0.95	1472	3	0.29	22.3	110.3	Clear	No Odor
10:17	12	500	mL/min	15.29	7.56	0.74	0.95	1474	3	0.29	22.4	110	Clear	No Odor
10:20	15	500	mL/min	15.29	7.55	0.74	0.95	1477	3	0.29	22.4	108.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
3	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-050	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:15.23 °C, rH:21%, Clouds: 0%, Wind:10.8m/s N			Field Technician:	Armando Escutia		
Measuring Pt. Description:		Screen Setting (m-bgs):	47-52	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (m-bmp):	15.24	Total Depth (m-bmp):	54.5	Water Column(m):	39.26	Liters in Well:	19.89
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	50	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:03	Total Volume Purged (liters):	7.5	Sample ID:	MW-39-050-0125	Sample Time:	11:19
Purge End Time:	11:18	Well Volumes Purged (total):	0.38	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:03	0	500	mL/min	15.24	7.58	0.99	1.26	1943	6	2.2	20.1	131.8	Clear	No Odor
11:06	3	500	mL/min	15.26	7.2	1.04	1.32	2042	5	0.36	22.2	136	Clear	No Odor
11:09	6	500	mL/min	15.26	7.17	1.04	1.32	2045	4	0.21	22.4	136.9	Clear	No Odor
11:12	9	500	mL/min	15.26	7.12	1.04	1.32	2039	4	0.2	22.5	135.7	Clear	No Odor
11:15	12	500	mL/min	15.26	7.11	1.04	1.32	2039	4	0.2	22.5	135.3	Clear	No Odor
11:18	15	500	mL/min	15.26	7.11	1.04	1.32	2039	4	0.2	22.4	135.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-060	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:16.77 °C, rH:19%, Clouds: 0%, Wind:10.29m/s N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	49-59	Casing Diameter (in):	1	Well Casing Material:
Static Water Level (m-bmp):	15.37	Total Depth (m-bmp):	60.22	Water Column(m):	44.85	Liters in Well: 22.73
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	55	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	11:39	Total Volume Purged (liters):	7.5	Sample ID:	MW-39-060-0125	Sample Time: 11:55
Purge End Time:	11:54	Well Volumes Purged (total):	0.33	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:39	0	500	mL/min	15.37	7.28	0.82	1.05	1628	11	1.62	19.5	132.1	Clear	No Odor
11:42	3	500	mL/min	15.37	7.1	1.1	1.39	2138	10	0.51	22	134.1	Clear	No Odor
11:45	6	500	mL/min	15.37	7.09	1.1	1.39	2149	9	0.31	22.3	134.3	Clear	No Odor
11:48	9	500	mL/min	15.37	7.07	1.1	1.39	2153	9	0.22	22.4	134.8	Clear	No Odor
11:51	12	500	mL/min	15.37	7.06	1.1	1.39	2159	9	0.2	22.4	135	Clear	No Odor
11:54	15	500	mL/min	15.37	7.07	1.1	1.39	2154	9	0.2	22.3	135.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-070	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:13.05 °C, rH:26%, Clouds: 0%, Wind:9.26m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	60-70	Casing Diameter (in):	1	Well Casing Material:
Static Water Level (m-bmp):	15.44	Total Depth (m-bmp):	71.19	Water Column(m):	55.75	Liters in Well: 28.25
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	65	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	09:34	Total Volume Purged (liters):	7.5	Sample ID:	MW-39-070-0125	Sample Time: 09:50
Purge End Time:	09:49	Well Volumes Purged (total):	0.27	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:34	0	500	mL/min	15.44	8.02	1.18	1.27	1844	12	2.92	20.3	128.1	Clear	No Odor
09:37	3	500	mL/min	15.46	7.15	2.82	3.39	5225	10	0.54	21.8	138	Clear	No Odor
09:40	6	500	mL/min	15.46	7.09	2.81	3.38	5218	6	0.48	21.5	140.2	Clear	No Odor
09:43	9	500	mL/min	15.46	7.08	2.81	3.38	5203	5	0.48	21.9	140.3	Clear	No Odor
09:46	12	500	mL/min	15.46	7.07	2.81	3.38	5215	5	0.47	21.8	140.5	Clear	No Odor
09:49	15	500	mL/min	15.46	7.07	2.81	3.38	5203	5	0.47	21.7	140.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-080	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:14.72 °C, rH:23%, Clouds: 0%, Wind:10.8m/s N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	70-80	Casing Diameter (in):	1	Well Casing Material:
Static Water Level (m-bmp):	15.52	Total Depth (m-bmp):	81.91	Water Column(m):	66.39	Liters in Well: 33.64
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	76	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	10:29	Total Volume Purged (liters):	7.5	Sample ID:	MW-39-080-0125	Sample Time: 10:45
Purge End Time:	10:44	Well Volumes Purged (total):	0.22	Replicate Type / Replicate ID:	Duplicate / MW-902-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:29	0	500	mL/min	15.52	7.55	3.56	4.04	4976	14	2.12	21.6	140.2	Clear	No Odor
10:32	3	500	mL/min	15.58	7.09	4.25	4.98	7658	9	0.51	22	139.9	Clear	No Odor
10:35	6	500	mL/min	15.58	6.99	4.28	5.04	7731	9	0.29	22.1	140.1	Clear	No Odor
10:38	9	500	mL/min	15.58	6.98	4.28	5.04	7770	8	0.28	22.1	140.1	Clear	No Odor
10:41	12	500	mL/min	15.58	6.98	4.31	5.06	7785	8	0.28	22	140.1	Clear	No Odor
10:44	15	500	mL/min	15.58	6.97	4.33	5.07	7793	8	0.28	22	139.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-100	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:16.9 °C, rH:19%, Clouds: 0%, Wind:10.29m/s N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	80-100	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	15.53	Total Depth (m-bmp):	116.43	Water Column(m):	100.9	Liters in Well: 204.51
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	110	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	12:01	Total Volume Purged (liters):	7.5	Sample ID:	MW-39-100-0125	Sample Time: 12:17
Purge End Time:	12:16	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:01	0	500	mL/min	15.53	7.4	0.64	0.83	1283	6	0.74	20.9	135	Clear	No Odor
12:04	3	500	mL/min	15.55	7.01	8.11	9.1	14000	4	0.51	22.3	137.5	Clear	No Odor
12:07	6	500	mL/min	15.55	6.73	8.12	9.11	14016	2	0.44	22.6	137.9	Clear	No Odor
12:10	9	500	mL/min	15.55	6.64	8.12	9.11	13998	2	0.4	22.8	137.3	Clear	No Odor
12:13	12	500	mL/min	15.55	6.64	8.12	9.11	13991	2	0.39	22.9	137.5	Clear	No Odor
12:16	15	500	mL/min	15.55	6.63	8.11	9.11	13986	2	0.38	22.9	137	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
2	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-41M	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:65.7 °F, rH:16%, Clouds: 0%, Wind:13.8mph N-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	170-190	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	26.16	Total Depth (ft-bmp):	192.2	Water Column(ft):	166.04	Liters in Well:	102.58
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	180	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:05	Total Volume Purged (liters):	7.5	Sample ID:	MW-41M-0125	Sample Time:	12:21
Purge End Time:	12:20	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:08	0	500	mL/min	26.2	6.99	7.06	8.02	12280	23	1.96	25.5	57.1	Clear	No Odor
12:11	3	500	mL/min	26.2	7.01	7.68	8.67	13343	21	2.83	25	65.9	Clear	No Odor
12:14	6	500	mL/min	26.2	7.02	7.79	8.78	13503	20	3.86	24.6	69.5	Clear	No Odor
12:17	9	500	mL/min	26.2	7.03	7.8	8.79	13535	20	3.91	24.9	69.3	Clear	No Odor
12:20	12	500	mL/min	26.2	7.05	7.82	8.82	13556	20	3.96	25	67.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Molybdenum (SW 6010B)	Plastic	1	500 mL	

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
20	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point	uS/cm = microSiemens per centimeter	mV = millivolts
in = inches	NTU = Nephelometric Turbidity Unit	°F = degrees Fahrenheit
ft = feet	mg/L = milligrams per liter	°C = degrees Celsius
mL/min = milliliters per minute	S.U = standard units	gpm = gallons per minute
	mS/cm = milliSiemens per centimeter	

Location ID:	MW-41S	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:62.06 °F, rH:19%, Clouds: 0%, Wind:12.66mph N-NW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	40-60	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	26.64	Total Depth (ft-bmp):	61.3	Water Column(ft):	34.66	Liters in Well: 21.41
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	50	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:27	Total Volume Purged (liters):	7.5	Sample ID:	MW-41S-0125	Sample Time: 11:43
Purge End Time:	11:42	Well Volumes Purged (total):	0.35	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:30	0	500	mL/min	26.66	6.86	3.79	4.5	6939	34	4.56	25.9	46.5	Clear	No Odor
11:33	3	500	mL/min	26.66	6.87	3.8	4.51	6946	32	4.78	26.5	53.7	Clear	No Odor
11:36	6	500	mL/min	26.66	6.91	3.8	4.51	6946	31	4.7	26.5	57.1	Clear	No Odor
11:39	9	500	mL/min	26.66	6.93	3.8	4.51	6940	30	4.64	26.7	58.8	Clear	No Odor
11:42	12	500	mL/min	26.66	6.94	3.8	4.51	6944	30	4.67	26.8	60.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
30	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-44-115	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:60.33 °F, rH:19%, Clouds: 0%, Wind:17.27mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	105-113	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	19.2	Total Depth (ft-bmp):	114.29	Water Column(ft):	95.09	Liters in Well: 58.74
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	109	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	13:16	Total Volume Purged (liters):	7.5	Sample ID:	MW-44-115-0125	Sample Time: 13:32
Purge End Time:	13:31	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:19	0	500	mL/min	19.22	7.28	9.4	10.42	16026	17	0.34	21.4	2.4	Clear	No Odor
13:22	3	500	mL/min	19.22	7.18	9.38	10.4	16014	15	0.18	21.6	-5	Clear	No Odor
13:25	6	500	mL/min	19.22	7.13	9.4	10.42	16028	13	0.15	21.5	-8.4	Clear	No Odor
13:28	9	500	mL/min	19.22	7.1	9.4	10.42	16039	13	0.13	21.4	-10.9	Clear	No Odor
13:31	12	500	mL/min	19.22	7.08	9.4	10.42	16018	13	0.15	21.3	-12.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-44-125	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:60.57 °F, rH:19%, Clouds: 0%, Wind:17.27mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	116-125	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	19.01	Total Depth (ft-bmp):	128.55	Water Column(ft):	109.54	Liters in Well: 67.67
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	120	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	13:46	Total Volume Purged (liters):	7.5	Sample ID:	MW-44-125-0125	Sample Time: 14:02
Purge End Time:	14:01	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	Equipment Blank / EB-703-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:49	0	500	mL/min	19.03	7.01	8.66	9.65	14850	30	0.28	21.5	-85	Clear	No Odor
13:52	3	500	mL/min	19.03	6.98	8.67	9.67	14883	26	0.19	21.4	-74.3	Clear	No Odor
13:55	6	500	mL/min	19.03	6.96	8.66	9.66	14857	22	0.19	21.5	-66.9	Clear	No Odor
13:58	9	500	mL/min	19.03	6.97	8.69	9.68	14914	21	0.2	21.3	-61.9	Clear	No Odor
14:01	12	500	mL/min	19.03	6.97	8.72	9.72	14956	21	0.28	21.5	-58.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
21	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-45-095a	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:58.82 °F, rH:20%, Clouds: 0%, Wind:18.41mph N-NW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	83-93	Casing Diameter (in):	Well Casing Material:	
Static Water Level (ft-bmp):	15.37	Total Depth (ft-bmp):	93.88	Water Column(ft):	78.51	Liters in Well:
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	88	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	12:41	Total Volume Purged (liters):	7.5	Sample ID:	MW-45-095a-0125	Sample Time: 12:59
Purge End Time:	12:56	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:44	0	500	mL/min	13.59	7.43	5.26	6.08	9349	26	0.32	21.1	-66.3	Clear	No Odor
12:47	3	500	mL/min	13.59	7.42	5.25	6.07	9346	24	0.19	21.1	-53.9	Clear	No Odor
12:50	6	500	mL/min	13.59	7.39	5.22	6.04	9298	23	0.14	21	-47	Clear	No Odor
12:53	9	500	mL/min	13.59	7.36	5.13	5.94	9144	23	0.11	21	-43.1	Clear	No Odor
12:56	12	500	mL/min	13.59	7.34	5.05	5.85	9021	23	0.1	21	-41.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
23	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-46-175	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:52.72 °F, rH:27%, Clouds: 0%, Wind:21.85mph N-NW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	165-175	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	29.61	Total Depth (ft-bmp):	176.02	Water Column(ft):	146.41	Liters in Well: 90.45
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	170	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	09:25	Total Volume Purged (liters):	7.5	Sample ID:	MW-46-175-0125	Sample Time: 09:41
Purge End Time:	09:40	Well Volumes Purged (total):	0.08	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:28	0	500	mL/min	29.63	7.16	10.7	11.72	18027	23	0.89	18	49.1	Clear	No Odor
09:31	3	500	mL/min	29.63	7.19	10.67	11.69	17984	21	0.62	18.4	42.2	Clear	No Odor
09:34	6	500	mL/min	29.63	7.22	10.68	11.7	18001	20	0.49	18.8	38.8	Clear	No Odor
09:37	9	500	mL/min	29.63	7.23	10.66	11.68	17989	20	0.45	18.8	37.4	Clear	No Odor
09:40	12	500	mL/min	29.63	7.23	10.68	11.7	17994	20	0.43	18.8	36.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
20	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-51	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:18.87 °C, rH:15%, Clouds: 0%, Wind:4.12m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	97-112	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (m-bmp):	46.91	Total Depth (m-bmp):	113.12	Water Column(m):	66.21	Liters in Well: 536.79
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	106	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	13:30	Total Volume Purged (liters):	7.5	Sample ID:	MW-51-0125	Sample Time: 13:46
Purge End Time:	13:45	Well Volumes Purged (total):	0.01	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-Q,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:30	0	500	mL/min	46.91	7.05	0.44	0.58	865	3	0.61	25.8	30.5	Clear	No Odor
13:33	3	500	mL/min	46.91	6.96	0.48	0.63	946	2	0.27	26	23.4	Clear	No Odor
13:36	6	500	mL/min	46.91	6.88	0.68	0.88	1362	2	0.28	26.5	-24.6	Clear	No Odor
13:39	9	500	mL/min	46.91	6.87	0.68	0.88	1368	2	0.27	26.6	-24.8	Clear	No Odor
13:42	12	500	mL/min	46.91	6.86	0.69	0.89	1382	2	0.28	26.7	-25.9	Clear	No Odor
13:45	15	500	mL/min	46.91	6.85	0.69	0.89	1390	2	0.27	26.7	-26.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
2	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-71-035	Date(s):	2025-01-15	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:55.35 °F, rH:26%, Clouds: 0%, Wind:20.71mph N-NW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	26-36	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	28.61	Total Depth (ft-bmp):	35.5	Water Column(ft):	6.89	Liters in Well: 4.26
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	33	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	09:35	Total Volume Purged (liters):	2.7	Sample ID:	MW-71-035-0125	Sample Time: 09:51
Purge End Time:	09:50	Well Volumes Purged (total):	0.63	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:38	0	500	mL/min	29.08	7.07	4.41	5.17	7947	37	1.79	23.1	55.4	Clear	No Odor
09:41	3	100	mL/min	29.15	7.09	4.48	5.26	8083	35	1.8	23	40.8	Clear	No Odor
09:44	6	100	mL/min	29.15	7.11	3.95	4.66	7183	34	2.45	22.6	6.8	Clear	No Odor
09:47	9	100	mL/min	29.15	7.13	3.97	4.68	7211	34	2.53	22.8	1.1	Clear	No Odor
09:50	12	100	mL/min	29.15	7.13	3.91	4.61	7131	34	2.6	22.9	0.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
34	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-039	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site	
Weather(°F):	CLEAR, T:16.62 °C, rH:17%, Clouds: 0%, Wind:7.2m/s N			Field Technician:	Armando Escutia		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	24-39	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (m-bmp):	28.03	Total Depth (m-bmp):	38.56	Water Column(m):	10.53	Liters in Well:	21.34
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	34	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	14:11	Total Volume Purged (liters):	7.5	Sample ID:	MW-76-039-0125	Sample Time:	14:27
Purge End Time:	14:26	Well Volumes Purged (total):	0.35	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:11	0	500	mL/min	28.03	7.08	5.03	5.86	9023	10	0.88	25.9	133.4	Clear	No Odor
14:14	3	500	mL/min	28.05	6.89	5.03	5.86	9012	9	0.52	25.9	134	Clear	No Odor
14:17	6	500	mL/min	28.05	6.82	5.02	5.85	9002	9	0.53	26	133.1	Clear	No Odor
14:20	9	500	mL/min	28.05	6.81	5.02	5.84	8997	8	0.55	25.9	133.1	Clear	No Odor
14:23	12	500	mL/min	28.05	6.81	5.02	5.84	8989	8	0.55	25.9	133	Clear	No Odor
14:26	15	500	mL/min	28.05	6.8	5.02	5.85	8990	8	0.52	26	132.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-156	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:15.72 °C, rH:19%, Clouds: 0%, Wind:7.72m/s N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	136-156	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	27.3	Total Depth (m-bmp):	155.6	Water Column(m):	128.3	Liters in Well: 260.04
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	150	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	13:17	Total Volume Purged (liters):	7.5	Sample ID:	MW-76-156-0125	Sample Time: 13:33
Purge End Time:	13:32	Well Volumes Purged (total):	0.03	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:17	0	500	mL/min	27.3	7.06	4.8	5.59	8606	13	0.93	23.1	103	Clear	No Odor
13:20	3	500	mL/min	27.33	7	4.79	5.59	8614	10	0.72	23.4	108	Clear	No Odor
13:23	6	500	mL/min	27.33	6.89	4.8	5.61	8611	9	0.46	24.8	126	Clear	No Odor
13:26	9	500	mL/min	27.33	6.88	4.8	5.61	8619	8	0.44	24.9	126.9	Clear	No Odor
13:29	12	500	mL/min	27.33	6.88	4.81	5.62	8643	8	0.44	24.8	127.3	Clear	No Odor
13:32	15	500	mL/min	27.33	6.87	4.81	5.62	8647	8	0.43	24.7	127.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-181	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:13.92 °C, rH:21%, Clouds: 0%, Wind:10.29m/s N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	171-181	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	27.03	Total Depth (m-bmp):	182.63	Water Column(m):	155.6	Liters in Well: 315.38
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	179	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:45	Total Volume Purged (liters):	7.5	Sample ID:	MW-76-181-0125	Sample Time: 12:01
Purge End Time:	12:00	Well Volumes Purged (total):	0.02	Replicate Type / Replicate ID:	Duplicate / MW-903-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:45	0	500	mL/min	27.03	7.64	4.71	5.42	8430	13	2.72	19.5	110.1	Clear	No Odor
11:48	3	500	mL/min	27.06	7.34	4.79	5.6	8619	10	0.81	22.8	89.6	Clear	No Odor
11:51	6	500	mL/min	27.06	6.99	4.79	5.59	8604	8	0.46	23.9	84.8	Clear	No Odor
11:54	9	500	mL/min	27.06	6.98	4.79	5.59	8608	4	0.41	24.3	84.4	Clear	No Odor
11:57	12	500	mL/min	27.06	6.97	4.8	5.6	8600	4	0.41	24.3	83.8	Clear	No Odor
12:00	15	500	mL/min	27.06	6.96	4.81	5.61	8606	4	0.39	24.4	83.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-218	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:14.95 °C, rH:20%, Clouds: 0%, Wind:8.23m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	198-218	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	27.09	Total Depth (m-bmp):	219.62	Water Column(m):	192.53	Liters in Well: 390.23
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	214	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	12:36	Total Volume Purged (liters):	7.5	Sample ID:	MW-76-218-0125	Sample Time: 12:52
Purge End Time:	12:51	Well Volumes Purged (total):	0.02	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:36	0	500	mL/min	27.09	7.22	4.79	5.59	8635	16	1.02	22.2	73.2	Clear	No Odor
12:39	3	500	mL/min	27.11	7.1	4.86	5.67	8723	14	0.79	23.8	70.5	Clear	No Odor
12:42	6	500	mL/min	27.11	7.03	4.85	5.66	8707	12	0.46	23.8	61	Clear	No Odor
12:45	9	500	mL/min	27.11	7.01	4.86	5.66	8707	11	0.44	23.9	60.8	Clear	No Odor
12:48	12	500	mL/min	27.11	7.01	4.86	5.66	8700	10	0.45	23.9	60.4	Clear	No Odor
12:51	15	500	mL/min	27.11	7	4.86	5.65	8709	10	0.44	23.9	59.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-046	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:60.31 °F, rH:20%, Clouds: 0%, Wind:26.46mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	26-46	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	26.03	Total Depth (ft-bmp):	39.47	Water Column(ft):	13.44	Liters in Well: 8.3
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	36	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	14:17	Total Volume Purged (liters):	7.5	Sample ID:	MW-77-046-0125	Sample Time: 14:33
Purge End Time:	14:32	Well Volumes Purged (total):	0.90	Replicate Type / Replicate ID:	Equipment Blank / EB-701-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:20	0	500	mL/min	26.08	7.05	6.43	7.35	11301	30	0.25	23.5	-121.8	Clear	No Odor
14:23	3	500	mL/min	26.08	7.05	6.45	7.36	11332	28	0.17	23.2	-121	Clear	No Odor
14:26	6	500	mL/min	26.08	7.04	6.44	7.35	11312	26	0.15	23.3	-118.7	Clear	No Odor
14:29	9	500	mL/min	26.08	7.04	6.44	7.36	11312	25	0.13	23.5	-115.6	Clear	No Odor
14:32	12	500	mL/min	26.08	7.03	6.42	7.33	11282	25	0.13	23.3	-115.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
25	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-102	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Armando Escutia		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	82-102	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (m-bmp):	26.43	Total Depth (m-bmp):	104.21	Water Column(m):	77.78	Liters in Well:	157.65
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	101	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	14:54	Total Volume Purged (liters):	7.5	Sample ID:	MW-77-102-0125	Sample Time:	15:10
Purge End Time:	15:09	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:54	0	500	mL/min	26.43	6.99	4.9	5.71	8782	36	0.95	23.8	33.2	Clear	No Odor
14:57	3	500	mL/min	26.51	6.89	4.99	5.8	8927	32	0.79	24	103.7	Clear	No Odor
15:00	6	500	mL/min	26.51	6.87	4.99	5.8	8944	28	0.71	24.5	107.9	Clear	No Odor
15:03	9	500	mL/min	26.51	6.85	5	5.81	8939	26	0.68	24.6	109.4	Clear	No Odor
15:06	12	500	mL/min	26.51	6.84	5	5.81	8946	25	0.67	24.7	110.3	Clear	No Odor
15:09	15	500	mL/min	26.51	6.84	5	5.81	8940	25	0.65	24.8	110.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
25	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-158	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	clear	Field Technician:			Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	137.9-158	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	26.02	Total Depth (m-bmp):	159.99	Water Column(m):	133.97	Liters in Well: 271.54
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	155	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	14:14	Total Volume Purged (liters):	7.5	Sample ID:	MW-77-158-0125	Sample Time: 14:30
Purge End Time:	14:29	Well Volumes Purged (total):	0.03	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:14	0	500	mL/min	26.02	7.09	4.73	5.52	8490	22	1.29	23.9	87.1	Clear	No Odor
14:17	3	500	mL/min	26.09	6.98	4.73	5.53	8513	8	1.1	25.1	96.4	Clear	No Odor
14:20	6	500	mL/min	26.09	6.95	4.74	5.53	8507	7	1.05	25.2	99.9	Clear	No Odor
14:23	9	500	mL/min	26.09	6.94	4.73	5.53	8496	6	1.02	25.3	107.2	Clear	No Odor
14:26	12	500	mL/min	26.09	6.93	4.74	5.53	8500	6	1	25.4	107.9	Clear	No Odor
14:29	15	500	mL/min	26.09	6.93	4.74	5.53	8508	6	0.98	25.4	108.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-187	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Armando Escutia		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	167-187.1	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (m-bmp):	25.62	Total Depth (m-bmp):	188.9	Water Column(m):	163.28	Liters in Well:	330.94
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	184	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	13:20	Total Volume Purged (liters):	7.5	Sample ID:	MW-77-187-0125	Sample Time:	13:36
Purge End Time:	13:35	Well Volumes Purged (total):	0.02	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:20	0	500	mL/min	25.62	7.36	6.21	7.05	9654	18	1.2	23.5	61.5	Clear	No Odor
13:23	3	500	mL/min	25.66	7.38	6.43	7.26	10099	15	1.1	23.9	92.5	Clear	No Odor
13:26	6	500	mL/min	25.66	7.39	6.46	7.29	1168	14	1.07	24	106.5	Clear	No Odor
13:29	9	500	mL/min	25.66	7.39	6.48	7.31	1176	13	1.05	24.1	107.8	Clear	No Odor
13:32	12	500	mL/min	25.66	7.39	6.48	7.31	1171	12	1.03	24.1	108.2	Clear	No Odor
13:35	15	500	mL/min	25.66	7.4	6.48	7.31	1179	12	1.04	24.2	108.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-78-070	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:14.89 °C, rH:22%, Clouds: 0%, Wind:7.2m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	50-70	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	48.03	Total Depth (m-bmp):	71.74	Water Column(m):	23.71	Liters in Well: 48.06
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	69	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	10:34	Total Volume Purged (liters):	7.5	Sample ID:	MW-78-070-0125	Sample Time: 10:50
Purge End Time:	10:49	Well Volumes Purged (total):	0.16	Replicate Type / Replicate ID:	MS/MSD / MW-78-070-0125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:34	0	500	mL/min	48.03	7.15	4.72	5.51	8470	22	0.81	25.5	134.7	Clear	No Odor
10:37	3	500	mL/min	48.05	7.02	4.71	5.51	8485	18	0.56	25.8	135.6	Clear	No Odor
10:40	6	500	mL/min	48.05	6.95	4.73	5.54	8510	16	0.42	26	135.4	Clear	No Odor
10:43	9	500	mL/min	48.05	6.94	4.73	5.53	8509	15	0.41	26	135.5	Clear	No Odor
10:46	12	500	mL/min	48.05	6.93	4.73	5.54	8515	15	0.41	26	135.2	Clear	No Odor
10:49	15	500	mL/min	48.05	6.93	4.73	5.54	8510	15	0.4	26.1	135.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-78-142	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:14.77 °C, rH:23%, Clouds: 0%, Wind:7.2m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	122-142	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	48.39	Total Depth (m-bmp):	141.2	Water Column(m):	92.81	Liters in Well: 188.11
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	139	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	10:05	Total Volume Purged (liters):	7.5	Sample ID:	MW-78-142-0125	Sample Time: 10:21
Purge End Time:	10:20	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:05	0	500	mL/min	48.39	7.44	4.93	5.75	8796	9	1.42	24.4	115.1	Clear	No Odor
10:08	3	500	mL/min	48.46	7.22	5.1	5.93	9125	8	0.73	24.9	132.3	Clear	No Odor
10:11	6	500	mL/min	48.46	7.18	5.1	5.94	9115	7	0.65	24.9	133.7	Clear	No Odor
10:14	9	500	mL/min	48.46	7.17	5.11	5.94	9143	6	0.62	24.9	134.2	Clear	No Odor
10:17	12	500	mL/min	48.46	7.17	5.12	5.96	9148	6	0.63	25	134.5	Clear	No Odor
10:20	15	500	mL/min	48.46	7.17	5.13	5.96	9190	6	0.65	25.1	134.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-79-058	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:16.57 °C, rH:19%, Clouds: 0%, Wind:5.66m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:		Screen Setting (m-bgs):	48-58	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	46.64	Total Depth (m-bmp):	60.28	Water Column(m):	13.64	Liters in Well: 27.65
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	57	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:10	Total Volume Purged (liters):	7.5	Sample ID:	MW-79-058-0125	Sample Time: 11:26
Purge End Time:	11:25	Well Volumes Purged (total):	0.27	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-Q,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:10	0	500	mL/min	46.64	7.38	4.58	5.29	8236	14	2.4	24.1	131.7	Clear	No Odor
11:13	3	500	mL/min	46.69	7.01	4.78	5.59	8591	12	0.78	26.3	134.3	Clear	No Odor
11:16	6	500	mL/min	46.69	6.88	4.79	5.59	8606	12	0.59	26.7	135.4	Clear	No Odor
11:19	9	500	mL/min	46.69	6.85	4.79	5.61	8630	11	0.54	26.5	135.3	Clear	No Odor
11:22	12	500	mL/min	46.69	6.85	4.79	5.61	8624	11	0.51	26.6	135.2	Clear	No Odor
11:25	15	500	mL/min	46.69	6.84	4.79	5.61	8628	11	0.5	26.5	135.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-79-102	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:16.82 °C, rH:19%, Clouds: 0%, Wind:5.66m/s N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	92-102	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	46.71	Total Depth (m-bmp):	104.28	Water Column(m):	57.57	Liters in Well: 116.69
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	100	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:36	Total Volume Purged (liters):	7.5	Sample ID:	MW-79-102-0125	Sample Time: 11:52
Purge End Time:	11:51	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:36	0	500	mL/min	46.71	7.53	1.47	1.64	2667	5	1.46	23.7	46.1	Clear	No Odor
11:39	3	500	mL/min	46.72	6.92	4.67	5.46	8344	4	0.43	25.8	92.9	Clear	No Odor
11:42	6	500	mL/min	46.72	6.86	4.76	5.56	8550	4	0.32	25.9	119.1	Clear	No Odor
11:45	9	500	mL/min	46.72	6.84	4.76	5.56	8559	4	0.31	25.9	119.4	Clear	No Odor
11:48	12	500	mL/min	46.72	6.83	4.76	5.56	8563	4	0.31	25.8	119.7	Clear	No Odor
11:51	15	500	mL/min	46.72	6.83	4.76	5.56	8550	4	0.31	25.9	120	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-80-057	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	Sunny	Field Technician:			Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	47.4-57.4	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	48.69	Total Depth (ft-bmp):	59.3	Water Column(ft):	10.61	Liters in Well: 6.55
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	54	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	14:07	Total Volume Purged (liters):	7.5	Sample ID:	MW-80-057-0125	Sample Time: 14:23
Purge End Time:	14:22	Well Volumes Purged (total):	1.15	Replicate Type / Replicate ID:	Equipment Blank / EB-707-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:10	0	500	mL/min	48.7	7	4.54	5.33	8200	55	0.84	27.8	-5.2	Clear	No Odor
14:13	3	500	mL/min	48.7	7.02	4.54	5.34	8210	47	0.54	27.9	-28.4	Clear	No Odor
14:16	6	500	mL/min	48.7	7.01	4.53	5.33	8197	44	0.34	28.1	-37.3	Clear	No Odor
14:19	9	500	mL/min	48.7	7.01	4.52	5.31	8180	42	0.28	28	-39.8	Clear	No Odor
14:22	12	500	mL/min	48.7	7.01	4.52	5.32	8185	42	0.29	28	-41.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
42	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-80-082	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	clear	Field Technician:			Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (m-bgs):	67-82	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (m-bmp):	48.71	Total Depth (m-bmp):	83.48	Water Column(m):	34.77	Liters in Well: 70.47
Depth to Product (m-bmp):		Pump Intake Depth(m-bmp):	80	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	14:08	Total Volume Purged (liters):	7.5	Sample ID:	MW-80-082-0125	Sample Time: 14:24
Purge End Time:	14:23	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	Duplicate / MW-904-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:08	0	500	mL/min	48.71	7.01	4.63	5.43	8270	35	0.81	27.6	110.5	Clear	No Odor
14:11	3	500	mL/min	48.74	6.8	4.72	5.54	8517	30	0.57	27.6	116.8	Clear	No Odor
14:14	6	500	mL/min	48.74	6.76	4.72	5.53	8515	28	0.43	27.7	111.2	Clear	No Odor
14:17	9	500	mL/min	48.74	6.75	4.72	5.53	8512	27	0.42	27.7	110.1	Clear	No Odor
14:20	12	500	mL/min	48.74	6.76	4.72	5.53	8513	26	0.42	27.7	109.5	Clear	No Odor
14:23	15	500	mL/min	48.74	6.75	4.72	5.53	8514	25	0.41	27.7	109	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
25	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

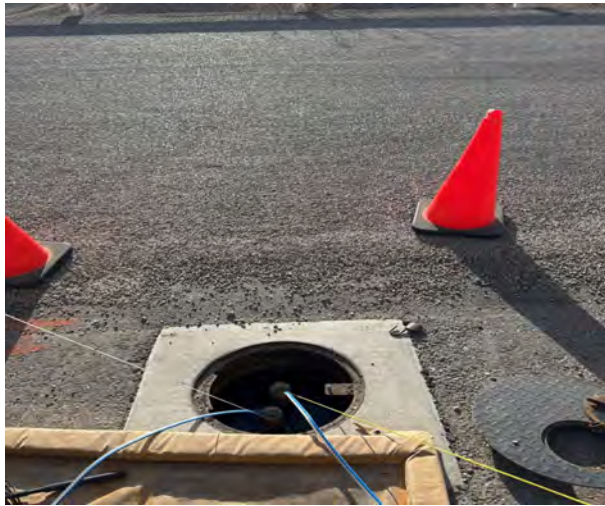
ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-81-043	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	Sunny	Field Technician:			Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	22.8-42.8	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	25.34	Total Depth (ft-bmp):	44.15	Water Column(ft):	18.81	Liters in Well: 11.62
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	39	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	12:11	Total Volume Purged (liters):	7.5	Sample ID:	MW-81-043-0125	Sample Time: 12:27
Purge End Time:	12:26	Well Volumes Purged (total):	0.65	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:14	0	500	mL/min	25.35	7.14	4.54	5.32	8183	18	0.51	26.2	-69.2	Clear	No Odor
12:17	3	500	mL/min	25.35	7.18	4.56	5.35	8243	16	0.43	26.3	-33	Clear	No Odor
12:20	6	500	mL/min	25.35	7.21	4.58	5.37	8257	15	0.37	26.3	-10.4	Clear	No Odor
12:23	9	500	mL/min	25.35	7.21	4.58	5.37	8260	15	0.34	26.4	-5.9	Clear	No Odor
12:26	12	500	mL/min	25.35	7.21	4.58	5.37	8258	15	0.32	26.3	-1.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-81-098	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	Sunny	Field Technician:			Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	78-98	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	25.6	Total Depth (ft-bmp):	99.38	Water Column(ft):	73.78	Liters in Well: 45.58
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	88	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	12:37	Total Volume Purged (liters):	7.5	Sample ID:	MW-81-098-0125	Sample Time: 12:53
Purge End Time:	12:52	Well Volumes Purged (total):	0.16	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:40	0	500	mL/min	25.6	7.23	4.72	5.52	8480	10	0.35	26.4	-64.1	Clear	No Odor
12:43	3	500	mL/min	25.6	7.22	4.7	5.51	8485	8	0.19	26.2	-43.3	Clear	No Odor
12:46	6	500	mL/min	25.6	7.22	4.71	5.52	8492	7	0.14	26.3	-30.7	Clear	No Odor
12:49	9	500	mL/min	25.6	7.21	4.72	5.52	8505	7	0.12	26.1	-25.1	Clear	No Odor
12:52	12	500	mL/min	25.6	7.19	4.7	5.51	8481	7	0.1	26.3	-21.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-82-046	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:55 °F, rH:25%, Clouds: 0%, Wind:21.85mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	26-46	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	31.2	Total Depth (ft-bmp):	47.63	Water Column(ft):	16.43	Liters in Well: 10.15
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	40	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	10:42	Total Volume Purged (liters):	7.5	Sample ID:	MW-82-046-0125	Sample Time: 10:58
Purge End Time:	10:57	Well Volumes Purged (total):	0.74	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:45	0	500	mL/min	31.22	7.25	8.38	9.37	14417	54	4.48	23	-6.4	Clear	No Odor
10:48	3	500	mL/min	31.22	7.31	8.39	9.4	14456	51	4.15	23.9	7.1	Clear	No Odor
10:51	6	500	mL/min	31.22	7.33	8.39	9.39	14473	49	3.54	23.8	10.1	Clear	No Odor
10:54	9	500	mL/min	31.22	7.35	8.43	9.44	14545	49	3.58	23.7	7.5	Clear	No Odor
10:57	12	500	mL/min	31.22	7.36	8.46	9.48	14604	49	3.48	24	10	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
49	2	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-82-168	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:56.86 °F, rH:22%, Clouds: 0%, Wind:23.02mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	148-168	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	30.15	Total Depth (ft-bmp):	169.8	Water Column(ft):	139.65	Liters in Well: 86.27
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	158	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:21	Total Volume Purged (liters):	7.5	Sample ID:	MW-82-168-0125	Sample Time: 11:37
Purge End Time:	11:36	Well Volumes Purged (total):	0.09	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:24	0	500	mL/min	30.17	7.32	4.58	5.36	8303	20	1.09	21.4	-111.9	Clear	No Odor
11:27	3	500	mL/min	30.17	7.34	4.57	5.35	8227	16	0.55	23.7	-75.7	Clear	No Odor
11:30	6	500	mL/min	30.17	7.34	4.57	5.35	8231	14	0.5	23.8	-52.6	Clear	No Odor
11:33	9	500	mL/min	30.17	7.35	4.54	5.32	8222	14	0.49	23.8	-50.4	Clear	No Odor
11:36	12	500	mL/min	30.17	7.36	4.55	5.33	8223	14	0.45	23.7	-47.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-82-198	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:57.31 °F, rH:21%, Clouds: 0%, Wind:23.02mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	178-198	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	29.99	Total Depth (ft-bmp):	199.48	Water Column(ft):	169.49	Liters in Well: 104.71
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	188	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	11:59	Total Volume Purged (liters):	7.5	Sample ID:	MW-82-198-0125	Sample Time: 12:15
Purge End Time:	12:14	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:02	0	500	mL/min	30.02	7.4	4.77	5.57	8636	13	0.93	24.4	-149.9	Clear	No Odor
12:05	3	500	mL/min	30.02	7.44	4.82	5.62	8649	12	0.56	24.6	-153.5	Clear	No Odor
12:08	6	500	mL/min	30.02	7.47	4.82	5.63	8675	12	0.46	24.5	-158.9	Clear	No Odor
12:11	9	500	mL/min	30.02	7.49	4.8	5.6	8631	11	0.43	24.7	-163.3	Clear	No Odor
12:14	12	500	mL/min	30.02	7.51	4.83	5.64	8644	11	0.38	24.6	-167	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT5D	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:60.76 °F, rH:20%, Clouds: 0%, Wind:25.32mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	95-105	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	21.99	Total Depth (ft-bmp):	107.2	Water Column(ft):	85.21	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:38	Total Volume Purged (liters):	7.5	Sample ID:	PT5D-0125	Sample Time:	13:57
Purge End Time:	13:56	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:41	0	500	mL/min	22	6.84	4.44	5.19	7993	14	0.3	21.2	-80	Clear	No Odor
13:44	3	500	mL/min	22	6.9	4.44	5.19	7984	12	0.18	21.1	-52.7	Clear	No Odor
13:47	6	500	mL/min	22	6.95	4.52	5.28	8129	10	0.14	21.1	-45.8	Clear	No Odor
13:50	9	500	mL/min	22	6.98	4.79	5.57	8558	9	0.11	20.9	-39.2	Clear	No Odor
13:53	12	500	mL/min	22	7.01	4.83	5.62	8643	9	0.1	20.9	-36.3	Clear	No Odor
13:56	15	500	mL/min	22	7.02	4.87	5.66	8711	9	0.09	21	-34.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT6D	Date(s):	2025-01-13	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	95-105	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	24.6	Total Depth (ft-bmp):	106.22	Water Column(ft):	81.62	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:06	Total Volume Purged (liters):	7.5	Sample ID:	PT6D-0125	Sample Time:	13:22
Purge End Time:	13:21	Well Volumes Purged (total):		Replicate Type / Replicate ID:	MS/MSD / PT6D-0125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:09	0	500	mL/min	24.62	7.17	3.47	4.12	6340	11	0.27	22.9	-37.3	Clear	No Odor
13:12	3	500	mL/min	24.62	7.05	3.47	4.13	6361	9	0.19	22.8	-23.5	Clear	No Odor
13:15	6	500	mL/min	24.62	6.99	3.47	4.13	6362	9	0.16	22.8	-17.3	Clear	No Odor
13:18	9	500	mL/min	24.62	6.96	3.47	4.12	6352	9	0.14	22.9	-14.8	Clear	No Odor
13:21	12	500	mL/min	24.62	6.94	3.47	4.12	6352	9	0.13	22.8	-13.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PTI-1D	Date(s):	2025-01-16	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL			
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site
Weather(°F):	Clear and warm			Field Technician:	Cameron Stone			
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):			Well Casing Material:	
Static Water Level (ft-bmp):				Water Column(ft):			Gallons in Well:	
Depth to Product (ft-bmp):				Purge Method:			Purging Equipment:	
Purge Start Time:				Total Volume Purged (gallons):	Sample ID:	PTI-1D-0125	Sample Time:	09:00
Purge End Time:				Well Volumes Purged (total):	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes							

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
08:38	0				6.81	7992	4.1	0.96	20	118.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron (SW 6010B)	Plastic	1	500 mL	HNO3
Iron, dissolved (SW 6020A), Manganese, dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-02D	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:53.19 °F, rH:26%, Clouds: 0%, Wind:21.85mph N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	113-148	Casing Diameter (in):	6	Well Casing Material:
Static Water Level (ft-bmp):	41.1	Total Depth (ft-bmp):	149.6	Water Column(ft):	108.5	Gallons in Well: 159.37
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	131	Purge Method:	Volumetric	Purging Equipment: Submersible Pump
Purge Start Time:	09:55	Total Volume Purged (gallons):	20	Sample ID:	TW-02D-0125	Sample Time: 10:16
Purge End Time:	10:15	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:59	0	1	gpm	41.12	7.14	4.96	5.8	8919	5	0.45	27.8	133.6	Clear	No Odor
10:03	4	1	gpm	41.12	7.05	4.98	5.81	8940	4	0.38	27.9	133.5	Clear	No Odor
10:07	8	1	gpm	41.12	7.01	4.99	5.83	8958	3	0.33	27.9	132.8	Clear	No Odor
10:11	12	1	gpm	41.12	7.01	4.98	5.82	8962	3	0.32	28	132.6	Clear	No Odor
10:15	16	1	gpm	41.12	7.01	4.99	5.83	8964	3	0.31	27.9	132.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
3	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-02S	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:52.74 °F, rH:28%, Clouds: 0%, Wind:21.85mph N-NW			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	42.5-92.5	Casing Diameter (in):	6	Well Casing Material:
Static Water Level (ft-bmp):	41.07	Total Depth (ft-bmp):	96.32	Water Column(ft):	55.25	Gallons in Well: 81.15
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	65	Purge Method:	Volumetric	Purging Equipment: Submersible Pump
Purge Start Time:	09:21	Total Volume Purged (gallons):	20	Sample ID:	TW-02S-0125	Sample Time: 09:42
Purge End Time:	09:41	Well Volumes Purged (total):	0.25	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:25	0	1	gpm	41.09	7.04	4.73	5.55	8538	8	1.44	27.8	129.9	Clear	No Odor
09:29	4	1	gpm	41.09	6.91	4.74	5.55	8540	6	1.12	27.8	132.7	Clear	No Odor
09:33	8	1	gpm	41.09	6.87	4.74	5.56	8549	5	1.11	27.8	133	Clear	No Odor
09:37	12	1	gpm	41.09	6.86	4.74	5.56	8553	5	1.11	27.9	133.2	Clear	No Odor
09:41	16	1	gpm	41.09	6.86	4.74	5.56	8554	5	1.11	27.9	133	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	TW-03D	Date(s):	2025-01-14	Work Order(s):	PGE_Topock_2025_Q1_Jan_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:55.02 °F, rH:25%, Clouds: 0%, Wind:21.85mph N			Field Technician:	Armando Escutia	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	111-156	Casing Diameter (in):	8	Well Casing Material:
Static Water Level (ft-bmp):	40.74	Total Depth (ft-bmp):	152.38	Water Column(ft):	111.64	Gallons in Well: 291.51
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	131	Purge Method:	Volumetric	Purging Equipment: Submersible Pump
Purge Start Time:	10:30	Total Volume Purged (gallons):	20	Sample ID:	TW-03D-0125	Sample Time: 10:51
Purge End Time:	10:50	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	Duplicate / MW-905-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:34	0	1	gpm	40.77	6.88	4.74	5.56	8554	9	1.08	28	133.7	Clear	No Odor
10:38	4	1	gpm	40.77	6.79	4.74	5.56	8556	7	1.04	28.1	133.2	Clear	No Odor
10:42	8	1	gpm	40.77	6.85	4.97	5.82	8939	7	0.55	28.1	132.8	Clear	No Odor
10:46	12	1	gpm	40.77	6.84	4.97	5.82	8945	7	0.53	28.1	132.7	Clear	No Odor
10:50	16	1	gpm	40.77	6.85	4.98	5.82	8948	7	0.54	28.1	132.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	CAB_MIXER_606	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area: Default Site
Weather(°F):	88 light breeze			Field Technician:	Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	Total Depth (ft-bmp):			Water Column(ft):	Gallons in Well:		
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):			Purge Method:	Purging Equipment:		
Purge Start Time:	Total Volume Purged (gallons):			Sample ID:	CAB_MIXER_606-Q125	Sample Time:	09:24
Purge End Time:	Well Volumes Purged (total):			Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
09:24	0				6.96	7269	2.8	1.13	22.3	-166.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

CAB_MIXER_607

Date(s):

2025-02-25

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

88 light breeze

Field Technician:

Derek Wagstaff

Measuring Pt. Description:

Top of Outer Casing

Screen Setting (ft-bgs):

-

Casing Diameter (in):

Well Casing Material:

Static Water Level (ft-bmp):

Total Depth (ft-bmp):

Water Column(ft):

Gallons in Well:

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

Purge Method:

Purging Equipment:

Purge Start Time:

Total Volume Purged (gallons):

Sample ID:

NA

Sample Time:

NA

Purge End Time:

Well Volumes Purged (total):

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
09:32	0				6.86	4223	15.8	2.96	23.8	-135.1	Gray	Strong

Constituent Sampled

Container

Number

Volume

Preservative

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	ER-01	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	6	Well Casing Material:	PVC
Static Water Level (ft-bmp):	50.15	Total Depth (ft-bmp):	141.21	Water Column(ft):	91.06	Gallons in Well:	133.75
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	130	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:25	Total Volume Purged (gallons):	144	Sample ID:	ER-01-Q125	Sample Time:	10:14
Purge End Time:	10:13	Well Volumes Purged (total):	1.08	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:33	0	3	gpm	50.3	7.41	1.97	2.44	3760	8	0.15	28.7	-65.6	Clear	No Odor
09:41	8	3	gpm	50.3	7.41	2.33	2.86	4401	6	0.1	28.8	-42.7	Clear	No Odor
09:49	16	3	gpm	50.3	7.56	2.53	3.09	4858	6	0.08	28.9	-24.1	Clear	No Odor
09:57	24	3	gpm	50.3	7.59	2.78	3.38	5195	5	0.07	28.9	-11.2	Clear	No Odor
10:05	32	3	gpm	50.3	7.62	2.82	3.42	5253	5	0.07	28.9	-7.1	Clear	No Odor
10:13	40	3	gpm	50.3	7.62	2.83	3.43	5264	5	0.07	28.9	-11.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	ER-02	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	6	Well Casing Material:	PVC
Static Water Level (ft-bmp):	52.06	Total Depth (ft-bmp):	136.2	Water Column(ft):	84.14	Gallons in Well:	123.59
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	120	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:31	Total Volume Purged (gallons):	126	Sample ID:	ER-02-Q125	Sample Time:	11:14
Purge End Time:	11:13	Well Volumes Purged (total):	1.02	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:38	0	3	gpm	52.2	7.55	4.96	5.8	8927	10	0.12	27.9	-119.7	Clear	No Odor
10:45	7	3	gpm	52.2	7.56	4.95	5.78	8900	8	0.08	28	-78.2	Clear	No Odor
10:52	14	3	gpm	52.2	7.57	4.95	5.78	8896	6	0.07	28.1	-67	Clear	No Odor
10:59	21	3	gpm	52.2	7.55	4.94	5.78	8895	6	0.06	28.1	-59.2	Clear	No Odor
11:06	28	3	gpm	52.2	7.56	4.93	5.77	8885	6	0.06	28.2	-56.9	Clear	No Odor
11:13	35	3	gpm	52.2	7.55	4.92	5.75	8845	6	0.07	28.3	-49.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	ER-03	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	6	Well Casing Material:	PVC
Static Water Level (ft-bmp):	62.61	Total Depth (ft-bmp):	160.58	Water Column(ft):	97.97	Gallons in Well:	143.9
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	112	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	11:31	Total Volume Purged (gallons):	144	Sample ID:	ER-03-Q125	Sample Time:	12:20
Purge End Time:	12:19	Well Volumes Purged (total):	1.00	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:39	0	3	gpm	62.8	7.62	9.79	10.87	16727	8	0.09	26.9	-269.9	Clear	No Odor
11:47	8	3	gpm	62.8	7.62	9.79	10.87	16734	4	0.05	27	-278.2	Clear	No Odor
11:55	16	3	gpm	62.8	7.62	9.8	10.88	16736	2	0.04	27	-281	Clear	No Odor
12:03	24	3	gpm	62.8	7.61	9.8	10.88	16722	2	0.04	27	-282.2	Clear	No Odor
12:11	32	3	gpm	62.8	7.59	9.79	10.87	16729	2	0.04	27.1	-282.1	Clear	No Odor
12:19	40	3	gpm	62.8	7.59	9.79	10.87	16730	2	0.03	27.1	-281.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
2	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	ER-04	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	6	Well Casing Material:	PVC
Static Water Level (ft-bmp):	66.17	Total Depth (ft-bmp):	159.2	Water Column(ft):	93.03	Gallons in Well:	136.64
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	112	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:40	Total Volume Purged (gallons):	138	Sample ID:	ER-04-Q125	Sample Time:	13:27
Purge End Time:	13:26	Well Volumes Purged (total):	1.01	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:48	0	3	gpm	66.3	7.5	9.6	10.7	16450	11	0.1	27.8	-201.2	Clear	No Odor
12:56	8	3	gpm	66.3	7.5	9.6	10.68	16466	7	0.06	27.8	-211.7	Clear	No Odor
13:04	16	3	gpm	66.3	7.49	9.6	10.69	16440	5	0.05	27.8	-214.4	Clear	No Odor
13:12	24	3	gpm	66.3	7.47	9.61	10.71	16477	5	0.04	27.9	-215.2	Clear	No Odor
13:20	32	3	gpm	66.3	7.46	9.61	10.69	16462	5	0.04	27.9	-214.5	Clear	No Odor
13:26	38	3	gpm	66.3	7.45	9.62	10.7	16442	5	0.04	27.9	-214.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	FW-02B-127	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	100.06	Total Depth (ft-bmp):	140.03	Water Column(ft):	39.97	Gallons in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	127	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	07:00	Total Volume Purged (gallons):	480	Sample ID:	FW-02B-127-Q125	Sample Time:	15:01
Purge End Time:	15:00	Well Volumes Purged (total):		Replicate Type / Replicate ID:	Duplicate / MW-908-Q125 Equipment Blank / EB-737-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
07:30	0	1	gpm	100.05	7.27	1.47	1.85	2862	41	0.41	29.8	21.7	Clear	No Odor
08:00	30	1	gpm	100.05	7.28	1.47	1.85	2857	28	0.41	29.8	22.2	Clear	No Odor
08:30	60	1	gpm	100.05	7.32	1.41	1.78	2748	21	0.47	29.9	30.5	Clear	No Odor
09:00	90	1	gpm	100.05	7.47	1.04	1.34	2069	15	1.35	30.1	42.9	Clear	No Odor
09:30	120	1	gpm	100.05	7.55	0.91	1.17	1807	13	1.37	30.1	44.3	Clear	No Odor
10:00	150	1	gpm	100.05	7.56	0.9	1.16	1791	13	1.24	30.2	42.5	Clear	No Odor
10:30	180	1	gpm	100.05	7.5	0.9	1.16	1792	12	1.05	30.4	47	Clear	No Odor
11:00	210	1	gpm	100.05	7.39	0.9	1.16	1788	12	1.05	30.4	47	Clear	No Odor
11:30	240	1	gpm	100.05	7.39	0.9	1.15	1785	12	0.89	30.3	48.1	Clear	No Odor
12:00	270	1	gpm	100.05	7.36	0.9	1.16	1786	12	0.92	30.5	46.4	Clear	No Odor
12:30	300	1	gpm	100.05	7.3	0.89	1.15	1783	10	0.9	30.5	48.6	Clear	No Odor
13:00	330	1	gpm	100.05	7.15	0.89	1.15	1777	10	0.88	30.7	38.7	Clear	No Odor
13:30	360	1	gpm	100.05	7.09	0.89	1.15	1774	10	0.88	30.7	42.2	Clear	No Odor
14:00	390	1	gpm	100.05	7.07	0.89	1.15	1771	9	0.92	30.6	43.9	Clear	No Odor
14:30	420	1	gpm	100.05	7.05	0.89	1.15	1772	9	0.88	30.6	43.9	Clear	No Odor
15:00	450	1	gpm	100.05	7.04	0.89	1.15	1774	9	0.87	30.5	44	Clear	No Odor

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Constituent Sampled	Container	Number	Volume	Preservative
Boron, dissolved (SW 6010B), Calcium, dissolved (SW 6010B), Potassium, dissolved (SW 6020), Sodium, dissolved (SW 6020), Zinc, dissolved (SW 6020), Arsenic, dissolved (SW 6020), Barium, dissolved (SW 6020), Manganese, dissolved (SW 6020), Chromium, total dissolved (SW 6020), Iron, dissolved (SW 6020A), Magnesium, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Bromide (EPA 300.0), Chloride (EPA 300.0), Fluoride (EPA 300.0), Nitrate as N (EPA 300.0), Sulfate (EPA 300.0), Alkalinity, total as CaCO3 (SM 2320 B), Total dissolved solids (SM 2540 C)	Plastic	2	1 L	None
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	HNWR-01A-174	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:60.58 °F, rH:30%, Clouds: 100%, Wind:2.75mph W-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	14	Well Casing Material:	
Static Water Level (ft-bmp):	12.28	Total Depth (ft-bmp):	200	Water Column(ft):	187.72	Gallons in Well:	1501.16
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	174	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	09:11	Total Volume Purged (gallons):	60	Sample ID:	HNWR-01A-174-Q125	Sample Time:	09:32
Purge End Time:	09:31	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:15	0	3	gpm	12.35	7.84	0.97	1.26	1946	33	1.73	36.1	44	Clear	No Odor
09:19	4	3	gpm	12.35	7.88	0.93	1.2	1860	30	1.76	36.3	42.1	Clear	No Odor
09:23	8	3	gpm	12.35	7.91	0.93	1.21	1868	27	1.73	36.3	40.6	Clear	No Odor
09:27	12	3	gpm	12.35	7.94	0.93	1.21	1867	27	1.77	36.4	39	Clear	No Odor
09:31	16	3	gpm	12.35	7.95	0.93	1.21	1868	27	1.78	36.4	38.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
27	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	HNWR-01A-98	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:61.66 °F, rH:25%, Clouds: 0%, Wind:8.05mph NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	14	Well Casing Material:	
Static Water Level (ft-bmp):	12.28	Total Depth (ft-bmp):	200	Water Column(ft):	187.72	Gallons in Well:	1501.16
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	98	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	08:41	Total Volume Purged (gallons):	60	Sample ID:	HNWR-01A-098-Q125	Sample Time:	09:02
Purge End Time:	09:01	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
08:45	0	3	gpm	12.35	7.43	1.08	1.39	2138	45	2.54	33.5	59.5	Clear	No Odor
08:49	4	3	gpm	12.35	7.62	0.96	1.25	1925	40	2.53	34	56.8	Clear	No Odor
08:53	8	3	gpm	12.35	7.69	0.95	1.23	1905	38	2.46	34	54.5	Clear	No Odor
08:57	12	3	gpm	12.35	7.75	0.96	1.24	1911	38	2.39	33.9	52.8	Clear	No Odor
09:01	16	3	gpm	12.35	7.79	0.97	1.25	1932	38	2.34	33.8	50.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
38	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-09-100	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US
Area:	Default Site				
Weather(°F):	CLEAR, T:76.95 °F, rH:15%, Clouds: 0%, Wind:19.57mph N			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	55-99.8	Casing Diameter (in):	10
Well Casing Material:					
Static Water Level (ft-bmp):	Total Depth (ft-bmp):			Water Column(ft):	Gallons in Well:
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):			Purge Method:	Purging Equipment:
Purge Start Time:	Total Volume Purged (gallons):			Sample ID:	IRZ-09-100-Q125
Sample Time:	14:50				
Purge End Time:	Well Volumes Purged (total):			Replicate Type / Replicate ID:	NA / NA
Water Quality Meter/ ID:	YSI ProPlus /				
Scope of work completed?	Yes				

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
14:50	0				7.29	8672	1.8	1.54	26.2	25.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron (SW 6010B)	Plastic	1	500 mL	HNO3
Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
1.8	1.7	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-13D-210	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US
Area:	Default Site				
Weather(°F):	CLEAR, T:76.95 °F, rH:15%, Clouds: 0%, Wind:19.57mph N			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	160.4-210.2	Casing Diameter (in):	10
Well Casing Material:					
Static Water Level (ft-bmp):	Total Depth (ft-bmp):		Water Column(ft):		Gallons in Well:
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):		Purge Method:		Purging Equipment:
Purge Start Time:	Total Volume Purged (gallons):		Sample ID:	IRZ-13D-210-Q125	Sample Time: 14:10
Purge End Time:	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: YSI ProPlus /
Scope of work completed?	Yes				

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
14:10	0				7.24	9177	5	1.41	26.1	26.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron (SW 6010B)	Plastic	1	500 mL	HNO3
Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	2.5	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-13S-095	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:76.95 °F, rH:15%, Clouds: 0%, Wind:19.57mph N			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	53-95.8	Casing Diameter (in):	10	Well Casing Material:	
Static Water Level (ft-bmp):		Total Depth (ft-bmp):		Water Column(ft):		Gallons in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:		Purging Equipment:	
Purge Start Time:		Total Volume Purged (gallons):		Sample ID:	IRZ-13S-095-Q125	Sample Time:	13:55
Purge End Time:		Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
14:20	0				7.19	7166	1.7	19.7	26.6	27.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron (SW 6010B)	Plastic	1	500 mL	HNO3
Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
1.7	1.5	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-21-065	Date(s):	2025-02-21	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:58.48 °F, rH:36%, Clouds: 0%, Wind:8.05mph NW			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	47.4-65.4	Casing Diameter (in):	10	Well Casing Material:	
Static Water Level (ft-bmp):	Total Depth (ft-bmp):		Water Column(ft):		Gallons in Well:		
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):		Purge Method:		Purging Equipment:		
Purge Start Time:	Total Volume Purged (gallons):		Sample ID:	IRZ-21-065-Q125	Sample Time:	07:30	
Purge End Time:	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /	
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
07:30	0				6.22	5862	4.4	4.63	17.7	6.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4.4	1.7	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-21-157	Date(s):	2025-02-21	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:56.88 °F, rH:38%, Clouds: 0%, Wind:13.8mph N-NW			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	Total Depth (ft-bmp):			Water Column(ft):	Gallons in Well:		
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):			Purge Method:	Purging Equipment:		
Purge Start Time:	Total Volume Purged (gallons):			Sample ID:	IRZ-21-157-Q125	Sample Time:	07:45
Purge End Time:	Well Volumes Purged (total):			Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
07:45	0				6.04	4932	5	1.79	17.6	4.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	2.1	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-23-143	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:76.95 °F, rH:15%, Clouds: 0%, Wind:19.57mph N			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	92.1-142	Casing Diameter (in):	10	Well Casing Material:	
Static Water Level (ft-bmp):		Total Depth (ft-bmp):		Water Column(ft):		Gallons in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:		Purging Equipment:	
Purge Start Time:		Total Volume Purged (gallons):		Sample ID:	IRZ-23-143-Q125	Sample Time:	12:55
Purge End Time:		Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
12:55	0				6.57	4225	2.7	19.6	26.5	73.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron (SW 6010B)	Plastic	1	500 mL	HNO3
Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
2.7	2.5	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-25-100	Date(s):	2025-02-21	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:56.88 °F, rH:38%, Clouds: 0%, Wind:13.8mph N-NW			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	50.1-67.1	Casing Diameter (in):	10	Well Casing Material:	
Static Water Level (ft-bmp):	Total Depth (ft-bmp):		Water Column(ft):		Gallons in Well:		
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):		Purge Method:		Purging Equipment:		
Purge Start Time:	Total Volume Purged (gallons):		Sample ID:	IRZ-25-100-Q125	Sample Time:	06:55	
Purge End Time:	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /	
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
06:55	0				6.66	7114	21.5	2.21	22.8	4.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
21.5	0.9	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	IRZ-25-166	Date(s):	2025-02-21	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:56.88 °F, rH:38%, Clouds: 0%, Wind:13.8mph N-NW			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):		Well Casing Material:	
Static Water Level (ft-bmp):		Total Depth (ft-bmp):		Water Column(ft):		Gallons in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:		Purging Equipment:	
Purge Start Time:		Total Volume Purged (gallons):		Sample ID:	IRZ-25-166-Q125	Sample Time:	07:10
Purge End Time:		Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
07:10	0				6.84	7799	4.2	0.79	23.8	-61	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4.2	0	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	Marina-1	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny	Field Technician:			Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	Total Depth (ft-bmp):			Water Column(ft):	Gallons in Well:		
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):			Purge Method:	Volumetric	Purging Equipment:	Extraction Pump
Purge Start Time:	08:55	Total Volume Purged (gallons):	5	Sample ID:	Marina-1-Q125	Sample Time:	09:00
Purge End Time:	09:00	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:00	0	1	gpm		8.03	8.66	9.65	14861	7	2.65	28.9	73.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MTS-1	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	115.18	Total Depth (ft-bmp):		Water Column(ft):	Gallons in Well:		
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	0	Purge Method:	Volumetric	Purging Equipment:	Extraction Pump
Purge Start Time:	09:14	Total Volume Purged (gallons):	5	Sample ID:	MTS-1-Q125	Sample Time:	09:20
Purge End Time:	09:19	Well Volumes Purged (total):		Replicate Type / Replicate ID:	Duplicate / MW-909-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:14	0	1	gpm	115.18	7.48	1.37	1.72	2639	12	3.07	20.1	-0.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	2	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	2	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	2	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	2	500 mL	None
Total organic carbon (SW 9060A)	Plastic	2	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MTS-2	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	32.56	Total Depth (ft-bmp):		Water Column(ft):	Gallons in Well:		
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	0	Purge Method:	Volumetric	Purging Equipment:	Extraction Pump
Purge Start Time:	08:44	Total Volume Purged (gallons):	5	Sample ID:	MTS-2-Q125	Sample Time:	08:50
Purge End Time:	08:49	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
08:50	0	1	gpm	32.56	7.37	1.33	1.66	2553	9	2.88	23.9	51.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-09	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	77-87	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	82.18	Total Depth (ft-bmp):	89.01	Water Column(ft):	6.83	Liters in Well:	16.88
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	86	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:35	Total Volume Purged (liters):	4.5	Sample ID:	MW-09-Q125	Sample Time:	10:51
Purge End Time:	10:50	Well Volumes Purged (total):	0.27	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:35	0	300	mL/min	82.18	8.94	2.21	2.736	4332	13	2.23	25	76	Clear	No Odor
10:38	3	300	mL/min	82.18	8.27	1.92	2.385	3791	13	1.32	26.2	82	Clear	No Odor
10:41	6	300	mL/min	82.18	7.84	1.89	2.346	3707	13	1.12	26.4	85.1	Clear	No Odor
10:44	9	300	mL/min	82.18	7.84	1.89	2.34	3705	13	1.2	26.6	83.1	Clear	No Odor
10:47	12	300	mL/min	82.18	7.84	1.89	2.342	3705	13	1.22	26.4	83.3	Clear	No Odor
10:50	15	300	mL/min	82.18	7.85	1.88	2.345	3705	13	1.22	26.2	83.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Manganese, dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID: MW-15

Date(s): 2025-02-26

Work Order(s): PGE_Topock_2025_Q1_V1_FINAL

Client: Pacific Gas and Electric

Facility: Topock

Facility Location: 515 National Trails Hwy, Needles, CA 92363, US

Area: Default Site

Weather(°F): Sunny, Windy

Field Technician: Nara Tep

Measuring Pt. Description: Top of Inner Casing

Screen Setting (ft-bgs): 180.5-200.5

Casing Diameter (in): 4

Well Casing Material:

Static Water Level (ft-bmp): 187.26

Total Depth (ft-bmp): 200.5

Water Column(ft): 13.24

Liters in Well: 32.72

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp): 192

Purge Method: Low Flow

Purging Equipment: Dedicated Bladder

Purge Start Time: 08:09

Total Volume Purged (liters): 10

Sample ID: MW-15-Q125

Sample Time: 08:30

Purge End Time: 08:39

Well Volumes Purged (total): 0.31

Replicate Type / Replicate ID: NA / NA

Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
08:09	0	500	mL/min	187.26	7.75	1.25	1.59	2456	9	3.93	27.3	77.6	Clear	No Odor
08:13	4	500	mL/min	187.31	7.72	1.25	1.59	2458	6	3.88	27.5	76.6	Clear	No Odor
08:17	8	500	mL/min	187.31	7.69	1.25	1.59	2452	4	3.85	27.5	74.9	Clear	No Odor
08:21	12	500	mL/min	187.31	7.69	1.25	1.59	2452	4	3.81	27.6	72.2	Clear	No Odor
08:25	16	500	mL/min	187.31	7.68	1.25	1.59	2451	4	3.83	27.6	72.6	Clear	No Odor
08:29	20	500	mL/min	187.31	7.68	1.25	1.59	2451	4	3.8	27.6	74.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Boron, dissolved (SW 6010B),Calcium, dissolved (SW 6010B),Potassium, dissolved (SW 6020),Sodium, dissolved (SW 6020),Zinc, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Iron, dissolved (SW 6020A),Magnesium, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Bromide (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Sulfate (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	1 L	None
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

Location ID:	MW-20-070	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:61.95 °F, rH:43%, Clouds: 100%, Wind:20.71mph S			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	50-70	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	46.61	Total Depth (ft-bmp):	68.38	Water Column(ft):	21.77	Liters in Well:	53.8
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	60	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	10:43	Total Volume Purged (liters):	7.2	Sample ID:	MW-20-070-Q125	Sample Time:	10:59
Purge End Time:	10:58	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	MS/MSD / MW-20-070-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:46	0	500	mL/min	46.7	7.31	1.04	1.33	2060	26	4.43	25.6	2.1	Clear	No Odor
10:49	3	500	mL/min	46.7	7.35	1.05	1.33	2055	23	4.2	25.4	16.4	Clear	No Odor
10:52	6	500	mL/min	46.7	7.36	1.05	1.33	2049	19	3.94	25.6	24.6	Clear	No Odor
10:55	9	500	mL/min	46.7	7.38	1.04	1.32	2045	19	3.9	25.7	30.1	Clear	No Odor
10:58	12	500	mL/min	46.7	7.39	1.04	1.32	2044	19	4.01	25.8	33.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Iron, dissolved (SW 6020A),Manganese, dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
19	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-20-100

Date(s):

2025-02-13

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

CLOUDS, T:61.95 °F, rH:49%, Clouds: 100%, Wind:12.66mph S

Field Technician:

Riggie Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

89.5-99.5

Casing Diameter (in):

4

Well Casing Material:

Static Water Level (ft-bmp):

46.9

Total Depth (ft-bmp):

98.07

Water Column(ft):

51.17

Liters in Well:

126.45

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

95

Purge Method:

Low Flow

Purging Equipment:

Portable Bladder

Purge Start Time:

11:50

Total Volume Purged (liters):

7.5

Sample ID:

MW-20-100-Q125

Sample Time:

12:06

Purge End Time:

12:05

Well Volumes Purged (total):

0.06

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:53	0	500	mL/min	46.94	7.4	2.25	2.74	4194	17	3.45	24.4	55.5	Clear	No Odor
11:56	3	500	mL/min	46.94	7.4	2.53	3.07	4734	14	3.35	25.6	63.4	Clear	No Odor
11:59	6	500	mL/min	46.94	7.41	2.75	3.32	5112	12	3.23	25.6	67.2	Clear	No Odor
12:02	9	500	mL/min	46.94	7.41	2.79	3.37	5172	12	3.1	25.4	69.1	Clear	No Odor
12:05	12	500	mL/min	46.94	7.42	2.81	3.39	5240	12	3.02	25.6	68.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point

in = inches

ft = feet

mL/min = milliliters per minute

uS/cm = microSiemens per centimeter

NTU = Nephelometric Turbidity Unit

mg/L = milligrams per liter

S.U = standard units

mS/cm = milliSiemens per centimeter

mV = millivolts

°F = degrees Fahrenheit

°C = degrees Celsius

gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-20-130

Date(s):

2025-02-13

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

CLOUDS, T:62.17 °F, rH:48%, Clouds: 100%, Wind:12.66mph S

Field Technician:

Riggie Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

121-131

Casing Diameter (in):

4

Well Casing Material:

Static Water Level (ft-bmp):

47.33

Total Depth (ft-bmp):

129.5

Water Column(ft):

82.17

Liters in Well:

203.05

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

126

Purge Method:

Low Flow

Purging Equipment:

Portable Bladder

Purge Start Time:

11:18

Total Volume Purged (liters):

7.5

Sample ID:

MW-20-130-Q125

Sample Time:

11:34

Purge End Time:

11:33

Well Volumes Purged (total):

0.04

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:21	0	500	mL/min	47.36	7.33	4.98	5.79	8884	17	1.33	26.2	42.1	Clear	No Odor
11:24	3	500	mL/min	47.36	7.35	5.03	5.86	9003	15	0.9	26.4	38.7	Clear	No Odor
11:27	6	500	mL/min	47.36	7.37	5.03	5.86	9021	13	0.48	26.4	35.6	Clear	No Odor
11:30	9	500	mL/min	47.36	7.38	5.04	5.87	9025	13	0.45	26.4	33.6	Clear	No Odor
11:33	12	500	mL/min	47.36	7.38	5.03	5.86	9044	13	0.42	26.5	32.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-21	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:62.08 °F, rH:41%, Clouds: 100%, Wind:20.71mph S			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	39-59	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	49.56	Total Depth (ft-bmp):	58.33	Water Column(ft):	8.77	Liters in Well:	21.67
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	55	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	10:12	Total Volume Purged (liters):	2.7	Sample ID:	MW-21-Q125	Sample Time:	10:28
Purge End Time:	10:27	Well Volumes Purged (total):	0.12	Replicate Type / Replicate ID:	Equipment Blank / MW-21-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:15	0	500	mL/min	49.56	7.21	6.33	7.24	11143	43	0.74	23.8	-119.7	Gray	No Odor
10:18	3	100	mL/min	50.1	7.22	6.34	7.25	11147	40	0.73	23.7	-120	Gray	No Odor
10:21	6	100	mL/min	50.12	7.23	6.34	7.25	11152	38	0.71	23.6	-119.9	Gray	No Odor
10:24	9	100	mL/min	50.12	7.23	6.34	7.25	11158	37	0.7	23.5	-118.7	Gray	No Odor
10:27	12	100	mL/min	50.12	7.22	6.35	7.26	11162	37	0.69	23.4	-116.4	Gray	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
37	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-22	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	5.5-10.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	6.14	Total Depth (ft-bmp):	10.98	Water Column(ft):	4.84	Liters in Well:	2.99
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	9	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:05	Total Volume Purged (liters):	3	Sample ID:	MW-22-Q125	Sample Time:	13:21
Purge End Time:	13:20	Well Volumes Purged (total):	1.00	Replicate Type / Replicate ID:	Equipment Blank / EB-721-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:05	0	200	mL/min	6.14	5.83	22.17	22.88	34174	8	0.15	23.4	43.5	Clear	No Odor
13:08	3	200	mL/min	6.14	5.83	21.42	22.2	33360	8	0.09	23.7	39.7	Clear	No Odor
13:11	6	200	mL/min	6.14	5.89	20.27	21.09	31852	8	0.05	23.9	39.3	Clear	No Odor
13:14	9	200	mL/min	6.14	5.92	19.59	20.46	30948	8	0.5	24	34.6	Clear	No Odor
13:17	12	200	mL/min	6.14	5.93	19.59	20.46	30945	8	0.52	24	34.1	Clear	No Odor
13:20	15	200	mL/min	6.14	5.93	19.59	20.46	30945	8	0.52	24	34.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-26	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	51.5-71.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	48	Total Depth (ft-bmp):	69.3	Water Column(ft):	21.3	Liters in Well:	13.16
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	65	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	11:25	Total Volume Purged (liters):	4.5	Sample ID:	MW-26-Q125	Sample Time:	11:41
Purge End Time:	11:41	Well Volumes Purged (total):	0.34	Replicate Type / Replicate ID:	Duplicate / MW-910-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:25	0	300	mL/min	48	6.61	5.55	6.409	9200	10	2.46	21.5	54	Clear	No Odor
11:28	3	300	mL/min	48	6.68	5.48	6.337	9470	10	1.25	23.6	51.5	Clear	No Odor
11:31	6	300	mL/min	48.01	6.67	5.51	6.37	9609	10	1	24	47.9	Clear	No Odor
11:34	9	300	mL/min	48.01	6.69	5.51	6.363	9613	10	0.84	24	44.8	Clear	No Odor
11:37	12	300	mL/min	48.01	6.69	5.51	6.365	9615	10	0.82	24	45.3	Clear	No Odor
11:40	15	300	mL/min	48.01	6.69	5.51	6.363	9613	10	0.8	24	45.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:


Description:

Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-27-020	Date(s):	2025-02-24	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:82.36 °F, rH:14%, Clouds: 0%, Wind:5.75mph E-SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	7-17	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	6.3	Total Depth (ft-bmp):	13.27	Water Column(ft):	6.97	Liters in Well:	4.31
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	12	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:28	Total Volume Purged (liters):	7.5	Sample ID:	MW-27-020-Q125	Sample Time:	13:44
Purge End Time:	13:43	Well Volumes Purged (total):	1.74	Replicate Type / Replicate ID:	Equipment Blank / MW-27-020-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:31	0	500	mL/min	6.32	7.33	0.53	0.69	1077	13	0.25	19.9	-50	Clear	No Odor
13:34	3	500	mL/min	6.32	7.33	0.53	0.69	1070	10	0.16	19.9	-53.9	Clear	No Odor
13:37	6	500	mL/min	6.32	7.33	0.53	0.69	1070	10	0.15	19.9	-57	Clear	No Odor
13:40	9	500	mL/min	6.32	7.34	0.53	0.69	1068	10	0.12	19.8	-58.7	Clear	No Odor
13:43	12	500	mL/min	6.32	7.36	0.53	0.69	1064	10	0.11	19.8	-59	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: EB-728-Q125 @ 1354

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-27-060	Date(s):	2025-02-24	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:78.67 °F, rH:15%, Clouds: 0%, Wind:0mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	47.3-57.3	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	6.9	Total Depth (ft-bmp):	58.82	Water Column(ft):	51.92	Liters in Well:	32.08
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	52	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:36	Total Volume Purged (liters):	7.5	Sample ID:	MW-27-060-Q125	Sample Time:	12:52
Purge End Time:	12:51	Well Volumes Purged (total):	0.23	Replicate Type / Replicate ID:	Equipment Blank / MW-27-060-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:39	0	500	mL/min	6.92	7.2	3.02	3.62	5565	10	1.15	20.6	-93.7	Clear	No Odor
12:42	3	500	mL/min	6.92	7.18	2.97	3.56	5484	7	1.09	20.6	-96.9	Clear	No Odor
12:45	6	500	mL/min	6.92	7.18	2.7	3.25	5022	7	0.89	20.5	-100.7	Clear	No Odor
12:48	9	500	mL/min	6.92	7.2	2.69	3.25	5012	7	0.83	20.7	-103.4	Clear	No Odor
12:51	12	500	mL/min	6.92	7.21	2.72	3.27	5057	7	0.85	20.5	-106.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-27-085	Date(s):	2025-02-24	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:79.36 °F, rH:14%, Clouds: 0%, Wind:0mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	77.5-87.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	6.76	Total Depth (ft-bmp):	100.39	Water Column(ft):	93.63	Liters in Well:	57.84
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	82	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:02	Total Volume Purged (liters):	7.5	Sample ID:	MW-27-085-Q125	Sample Time:	13:18
Purge End Time:	13:17	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	Equipment Blank / MW-27-085-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:05	0	500	mL/min	6.78	7.28	6.82	7.74	11907	11	2.09	20.5	-108.4	Clear	No Odor
13:08	3	500	mL/min	6.78	7.27	6.82	7.74	11898	9	1.93	20.6	-88.1	Clear	No Odor
13:11	6	500	mL/min	6.78	7.28	6.81	7.72	11885	9	1.87	20.7	-82.6	Clear	No Odor
13:14	9	500	mL/min	6.78	7.29	6.8	7.72	11881	9	1.91	20.7	-79.9	Clear	No Odor
13:17	12	500	mL/min	6.78	7.3	6.8	7.72	11881	9	1.9	20.7	-78.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-28-025	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:		Jyovanny Rebolledo			
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	13-23	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	12.78	Total Depth (ft-bmp):	23.81	Water Column(ft):	11.03	Liters in Well:	6.81
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	19	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:59	Total Volume Purged (liters):	6	Sample ID:	MW-28-025-Q125	Sample Time:	12:15
Purge End Time:	12:14	Well Volumes Purged (total):	0.88	Replicate Type / Replicate ID:	Equipment Blank / MW-28-025-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:59	0	400	mL/min	12.78	6.89	0.91	1.163	1755	10	5.82	22.1	55.6	Clear	No Odor
12:02	3	400	mL/min	12.78	6.81	0.91	1.17	1700	10	5.64	22.1	54.9	Clear	No Odor
12:05	6	400	mL/min	12.78	6.81	0.91	1.176	1713	10	5.36	22.2	53.9	Clear	No Odor
12:08	9	400	mL/min	12.78	6.81	0.91	1.176	1717	10	5.21	22.3	53	Clear	No Odor
12:11	12	400	mL/min	12.78	6.83	0.91	1.174	1715	10	5.23	22.1	53.6	Clear	No Odor
12:14	15	400	mL/min	12.78	6.82	0.91	1.172	1713	10	5.25	22.2	53.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-28-090	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	70-90	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	13.13	Total Depth (ft-bmp):	97.73	Water Column(ft):	84.6	Liters in Well:	52.26
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	94	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:26	Total Volume Purged (liters):	4.5	Sample ID:	MW-28-090-Q125	Sample Time:	12:42
Purge End Time:	12:41	Well Volumes Purged (total):	0.09	Replicate Type / Replicate ID:	Equipment Blank / MW-28-090-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:26	0	300	mL/min	13.13	7.39	5.21	6.038	8977	18	7.48	23.3	51.8	Clear	No Odor
12:29	3	300	mL/min	13.13	7.37	5.23	6.064	9034	18	7.66	23.3	48.3	Clear	No Odor
12:32	6	300	mL/min	13.13	7.32	5.23	6.062	9032	18	7.62	23.1	48.9	Clear	No Odor
12:35	9	300	mL/min	13.13	7.12	5.23	6.065	9030	18	5.22	23.1	49.4	Clear	No Odor
12:38	12	300	mL/min	13.13	7.1	5.23	6.062	9033	18	5.2	23.1	49.2	Clear	No Odor
12:41	15	300	mL/min	13.13	7.08	5.23	6.062	9031	18	5.15	23.1	49.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
18	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-29	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	29.5-39.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	31.22	Total Depth (ft-bmp):	40.71	Water Column(ft):	9.49	Liters in Well:	5.86
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	35	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:14	Total Volume Purged (liters):	10	Sample ID:	MW-29-Q125	Sample Time:	12:35
Purge End Time:	12:34	Well Volumes Purged (total):	1.71	Replicate Type / Replicate ID:	Equipment Blank / MW-29-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:14	0	500	mL/min	31.22	7.68	7.13	8.09	12610	43	1.53	26.3	10.8	Clear	No Odor
12:18	4	500	mL/min	31.22	7.65	7.13	8.09	12596	31	1.44	26.5	2.2	Clear	No Odor
12:22	8	500	mL/min	31.22	7.62	7.13	8.09	12591	19	1.39	26.5	-4.9	Clear	No Odor
12:26	12	500	mL/min	31.22	7.62	7.13	8.09	12588	15	1.35	26.5	-9.7	Clear	No Odor
12:30	16	500	mL/min	31.22	7.61	7.13	8.09	12584	14	1.32	26.6	-12.8	Clear	No Odor
12:34	20	500	mL/min	31.22	7.61	7.13	8.09	12581	14	1.29	26.5	-14.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-30-030R	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	13.95	Total Depth (ft-bmp):	32.31	Water Column(ft):	18.36	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	30	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:30	Total Volume Purged (liters):	4.5	Sample ID:	MW-30-030R-Q125	Sample Time:	12:46
Purge End Time:	12:45	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:30	0	300	mL/min	13.96	6.84	2.17	2.658	3781	10	0.58	21	21	Clear	No Odor
12:33	3	300	mL/min	13.96	6.84	2.17	2.658	3778	10	0.46	20.9	19.8	Clear	No Odor
12:36	6	300	mL/min	13.96	6.86	2.1	2.671	3798	10	0.33	21.1	15.4	Clear	No Odor
12:39	9	300	mL/min	13.96	6.87	2.21	2.697	3867	10	0.23	21.4	10.9	Clear	No Odor
12:42	12	300	mL/min	13.96	6.89	2.21	2.695	3865	10	0.25	21.4	12.4	Clear	No Odor
12:45	15	300	mL/min	13.96	6.89	2.21	2.697	3866	10	0.23	21.4	12.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-30-050	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	40-50	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	13.8	Total Depth (ft-bmp):	50	Water Column(ft):	36.2	Liters in Well:	89.45
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	47	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:56	Total Volume Purged (liters):	4.5	Sample ID:	MW-30-050-Q125	Sample Time:	13:12
Purge End Time:	13:11	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:56	0	300	mL/min	13.8	6.91	1.09	1.384	1948	15	0.42	20.4	37.6	Clear	No Odor
12:59	3	300	mL/min	13.8	6.86	1.07	1.358	1915	15	0.29	20.6	34.1	Clear	No Odor
13:02	6	300	mL/min	13.8	6.86	1.04	1.319	1865	15	0.28	20.5	32.7	Clear	No Odor
13:05	9	300	mL/min	13.8	6.86	1.04	1.319	1831	15	0.28	20.5	32	Clear	No Odor
13:08	12	300	mL/min	13.8	6.84	1.04	1.315	1835	15	0.26	20.2	32.3	Clear	No Odor
13:11	15	300	mL/min	13.8	6.85	1.04	1.313	1833	15	0.26	20.2	32.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-31-060	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:58.6 °F, rH:60%, Clouds: 100%, Wind:15.39mph S-SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	41.5-61.5	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	41.43	Total Depth (ft-bmp):	61.33	Water Column(ft):	19.9	Liters in Well:	49.18
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	51	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	13:09	Total Volume Purged (liters):	7.5	Sample ID:	MW-31-060-Q125	Sample Time:	13:25
Purge End Time:	13:24	Well Volumes Purged (total):	0.15	Replicate Type / Replicate ID:	Equipment Blank / EB-715-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:12	0	500	mL/min	41.45	7.5	4.19	4.94	7612	22	0.85	25.2	-211.4	Clear	Slight
13:15	3	500	mL/min	41.45	7.52	4.2	4.95	7596	18	0.43	25.6	-242.7	Clear	Slight
13:18	6	500	mL/min	41.45	7.53	4.2	4.95	7612	16	0.28	25.6	-265.1	Clear	Slight
13:21	9	500	mL/min	41.45	7.55	4.19	4.94	7623	16	0.26	25.5	-267.6	Clear	Slight
13:24	12	500	mL/min	41.45	7.57	4.19	4.94	7611	16	0.24	25.8	-268.5	Clear	Slight

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
16	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-31-135	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:61.72 °F, rH:51%, Clouds: 100%, Wind:14.97mph S			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	113-133	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	42.39	Total Depth (ft-bmp):	130.07	Water Column(ft):	87.68	Liters in Well:	54.17
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	123	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:34	Total Volume Purged (liters):	7.5	Sample ID:	MW-31-135-Q125	Sample Time:	12:50
Purge End Time:	12:49	Well Volumes Purged (total):	0.14	Replicate Type / Replicate ID:	Duplicate / MW-911-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:37	0	500	mL/min	42.41	7.42	5.14	5.98	9183	15	1.29	25	37.8	Clear	No Odor
12:40	3	500	mL/min	42.41	7.46	5.28	6.14	9423	12	0.93	26.4	38.5	Clear	No Odor
12:43	6	500	mL/min	42.41	7.48	5.29	6.14	9476	10	0.52	26.4	37.2	Clear	No Odor
12:46	9	500	mL/min	42.41	7.49	5.3	6.16	9463	10	0.5	26.2	34.1	Clear	No Odor
12:49	12	500	mL/min	42.41	7.5	5.27	6.12	9440	10	0.47	26.2	31.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-32-020	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	10-20	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	7.7	Total Depth (ft-bmp):	19.17	Water Column(ft):	11.47	Liters in Well:	7.09
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	17	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:31	Total Volume Purged (liters):	4.5	Sample ID:	MW-32-020-Q125	Sample Time:	11:47
Purge End Time:	11:46	Well Volumes Purged (total):	0.63	Replicate Type / Replicate ID:	Equipment Blank / MW-32-020-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:31	0	300	mL/min	7.7	6.68	20.48	21.27	31949	12	0.35	23.8	58.9	Clear	No Odor
11:34	3	300	mL/min	7.7	6.59	20.57	21.37	32101	12	0.34	23.7	46.1	Clear	No Odor
11:37	6	300	mL/min	7.71	6.59	20.54	21.35	32161	10	0.31	23.9	41.2	Clear	No Odor
11:40	9	300	mL/min	7.71	6.58	20.59	21.39	32244	10	0.34	23.9	38.1	Clear	No Odor
11:43	12	300	mL/min	7.71	6.55	20.59	21.392	32242	10	0.32	23.7	38.6	Clear	No Odor
11:46	15	300	mL/min	7.72	6.55	20.59	21.393	32242	10	0.33	23.6	38.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-32-035	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:	Jyovanny Rebolledo				
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	27.5-35	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	7.43	Total Depth (ft-bmp):	37.05	Water Column(ft):	29.62	Liters in Well:	73.19
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	35	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:03	Total Volume Purged (liters):	4.5	Sample ID:	MW-32-035-Q125	Sample Time:	12:19
Purge End Time:	12:18	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	Equipment Blank / MW-32-035-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:03	0	300	mL/min	7.43	6.64	9.46	10.53	16094	13	0.56	23.9	45.5	Clear	No Odor
12:06	3	300	mL/min	7.43	6.52	8.52	9.535	144863	13	0.28	24.2	31.1	Clear	No Odor
12:09	6	300	mL/min	7.43	6.51	8.28	9.282	14193	13	0.27	24.2	27.4	Clear	No Odor
12:12	9	300	mL/min	7.43	6.51	8.28	9.308	14126	13	0.27	24.2	26.8	Clear	No Odor
12:15	12	300	mL/min	7.43	6.53	8.23	9.305	14128	13	0.25	24.4	26.8	Clear	No Odor
12:18	15	300	mL/min	7.43	6.53	8.23	9.303	14129	13	0.27	24.4	26.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-33-040	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	29-39	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	32.77	Total Depth (ft-bmp):	40.95	Water Column(ft):	8.18	Liters in Well:	5.05
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	36	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	14:49	Total Volume Purged (liters):	10	Sample ID:	MW-33-040-Q125	Sample Time:	15:10
Purge End Time:	15:09	Well Volumes Purged (total):	1.98	Replicate Type / Replicate ID:	Equipment Blank / MW-33-040-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:49	0	500	mL/min	32.77	7.59	6.35	7.22	11190	25	2.52	27.9	56.9	Clear	No Odor
14:53	4	500	mL/min	32.77	7.55	6.36	7.29	11223	17	2.47	27.6	55.1	Clear	No Odor
14:57	8	500	mL/min	32.77	7.54	6.36	7.29	11228	11	2.43	27.6	52.5	Clear	No Odor
15:01	12	500	mL/min	32.77	7.52	6.36	7.29	11232	9	2.38	27.6	52.1	Clear	No Odor
15:05	16	500	mL/min	32.77	7.52	6.36	7.29	11232	9	2.35	27.7	51.3	Clear	No Odor
15:09	20	500	mL/min	32.77	7.51	6.36	7.29	11235	9	2.34	27.7	51.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:

MW-33-090

Date(s):

2025-02-26

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

Sunny, Windy

Field Technician:

Nara Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

69-88.3

Casing Diameter (in):

4

Well Casing Material:

Static Water Level (ft-bmp):

32.67

Total Depth (ft-bmp):

88.12

Water Column(ft):

55.45

Liters in Well:

137.02

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

79

Purge Method:

Low Flow

Purging Equipment:

Portable Bladder

Purge Start Time:

14:03

Total Volume Purged (liters):

10

Sample ID:

MW-33-090-Q125

Sample Time:

14:24

Purge End Time:

14:23

Well Volumes Purged (total):

0.07

Replicate Type / Replicate ID:

Equipment Blank / EB-733-Q125

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:03	0	500	mL/min	32.67	7.52	5.12	5.97	9380	16	1.88	28.3	34.6	Clear	No Odor
14:07	4	500	mL/min	32.72	7.55	5.12	5.97	9385	11	1.59	28.1	32.2	Clear	No Odor
14:11	8	500	mL/min	32.72	7.56	5.12	5.97	9388	8	1.53	28.1	31.5	Clear	No Odor
14:15	12	500	mL/min	32.72	7.58	5.12	5.97	9391	7	1.51	28.2	31.1	Clear	No Odor
14:19	16	500	mL/min	32.72	7.58	5.12	5.97	9394	7	1.48	28.2	30.8	Clear	No Odor
14:23	20	500	mL/min	32.72	7.57	5.12	5.97	9391	7	1.47	28.2	30.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-33-150	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	132-152	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	33.2	Total Depth (ft-bmp):	155.04	Water Column(ft):	121.84	Liters in Well:	75.27
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	142	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:31	Total Volume Purged (liters):	10	Sample ID:	MW-33-150-Q125	Sample Time:	12:52
Purge End Time:	12:51	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:31	0	500	mL/min	33.2	7.73	10.71	11.8	18370	18	2.34	27.5	43.5	Clear	No Odor
12:35	4	500	mL/min	33.29	7.75	10.71	11.8	18388	13	2.19	27.5	45.1	Clear	No Odor
12:39	8	500	mL/min	33.29	7.75	10.71	11.8	18393	9	2.15	27.6	45.9	Clear	No Odor
12:43	12	500	mL/min	33.29	7.76	10.71	11.8	18398	8	2.11	27.6	47.1	Clear	No Odor
12:47	16	500	mL/min	33.29	7.78	10.71	11.8	18391	8	2.06	27.6	47.5	Clear	No Odor
12:51	20	500	mL/min	33.29	7.78	10.71	11.8	18392	8	2.05	27.6	47.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-33-210	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	190-210	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	32.25	Total Depth (ft-bmp):	222.13	Water Column(ft):	189.88	Liters in Well:	117.3
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	200	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	13:19	Total Volume Purged (liters):	10	Sample ID:	MW-33-210-Q125	Sample Time:	13:40
Purge End Time:	13:39	Well Volumes Purged (total):	0.09	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:19	0	500	mL/min	32.25	7.67	5.21	6.06	9755	16	1.54	27.8	26.5	Clear	No Odor
13:23	4	500	mL/min	32.25	7.65	5.21	6.06	9744	12	1.19	27.7	15.7	Clear	No Odor
13:27	8	500	mL/min	32.25	7.62	5.21	6.06	9741	8	1.03	27.7	-3.3	Clear	No Odor
13:31	12	500	mL/min	32.25	7.61	5.21	6.06	9739	7	0.98	27.7	-9.3	Clear	No Odor
13:35	16	500	mL/min	32.25	7.61	5.21	6.06	9736	7	0.95	27.7	-12.5	Clear	No Odor
13:39	20	500	mL/min	32.25	7.61	5.21	6.06	9735	7	0.94	27.7	-14.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-34-055	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:59.05 °F, rH:17%, Clouds: 0%, Wind:12.66mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	45-55	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	8.08	Total Depth (ft-bmp):	56.75	Water Column(ft):	48.67	Liters in Well:	120.27
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	50	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:58	Total Volume Purged (liters):	7.5	Sample ID:	MW-34-055-Q125	Sample Time:	12:14
Purge End Time:	12:13	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	Equipment Blank / MW-34-055-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:01	0	500	mL/min	8.1	7.15	0.59	0.77	1185	7	0.24	19.7	-79	Clear	No Odor
12:04	3	500	mL/min	8.1	7.15	0.59	0.77	1189	3	0.18	19.7	-90.5	Clear	No Odor
12:07	6	500	mL/min	8.1	7.16	0.59	0.77	1189	3	0.12	19.9	-103.1	Clear	No Odor
12:10	9	500	mL/min	8.1	7.16	0.6	0.77	1190	3	0.1	19.8	-106.7	Clear	No Odor
12:13	12	500	mL/min	8.1	7.16	0.6	0.78	1199	3	0.09	19.9	-111.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
3	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-34-080	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:58.6 °F, rH:17%, Clouds: 0%, Wind:12.66mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	73-83	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	8.21	Total Depth (ft-bmp):	84.1	Water Column(ft):	75.89	Liters in Well:	187.53
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	78	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:36	Total Volume Purged (liters):	7.5	Sample ID:	MW-34-080-Q125	Sample Time:	11:52
Purge End Time:	11:51	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	Equipment Blank / MW-34-080-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:39	0	500	mL/min	8.22	7.13	5.08	5.88	9046	8	0.28	20.1	-93.6	Clear	No Odor
11:42	3	500	mL/min	8.22	7.13	5.07	5.88	9040	6	0.17	20.1	-95.7	Clear	No Odor
11:45	6	500	mL/min	8.22	7.13	5.06	5.87	9024	5	0.14	20.1	-97.1	Clear	No Odor
11:48	9	500	mL/min	8.22	7.13	5.08	5.88	9041	5	0.11	20.1	-98.1	Clear	No Odor
11:51	12	500	mL/min	8.22	7.13	5.07	5.87	9033	5	0.1	19.9	-98.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-34-100	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:58.37 °F, rH:18%, Clouds: 0%, Wind:12.66mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	89.5-99.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	8.26	Total Depth (ft-bmp):	115.72	Water Column(ft):	107.46	Liters in Well:	66.39
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	95	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:12	Total Volume Purged (liters):	7.5	Sample ID:	MW-34-100-Q125	Sample Time:	11:28
Purge End Time:	11:27	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	MS/MSD / MW-34-100-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:15	0	500	mL/min	8.28	7.11	7.64	8.59	13230	9	0.36	20	-128.1	Clear	No Odor
11:18	3	500	mL/min	8.28	7.11	7.55	8.5	13081	7	0.22	20	-118.1	Clear	No Odor
11:21	6	500	mL/min	8.28	7.11	7.53	8.48	13045	6	0.16	20	-114.6	Clear	No Odor
11:24	9	500	mL/min	8.28	7.1	7.53	8.48	13042	6	0.12	20	-111.9	Clear	No Odor
11:27	12	500	mL/min	8.28	7.1	7.52	8.47	13030	6	0.11	20	-109.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-35-060	Date(s):	2025-02-24	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:	Jyovanny Rebolledo				
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	41-61	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	27.75	Total Depth (ft-bmp):	57.8	Water Column(ft):	30.05	Liters in Well:	18.56
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	55	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:20	Total Volume Purged (liters):	4.5	Sample ID:	MW-35-060-Q125	Sample Time:	12:36
Purge End Time:	12:35	Well Volumes Purged (total):	0.24	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:20	0	300	mL/min	27.75	6.68	4.06	4.79	7400	10	9.69	25.3	66.5	Clear	No Odor
12:23	3	300	mL/min	27.75	6.91	4.06	4.914	7593	10	5.63	25.4	59.7	Clear	No Odor
12:26	6	300	mL/min	27.75	7.05	4.26	5.011	7771	10	3.65	25.4	55.8	Clear	No Odor
12:29	9	300	mL/min	27.75	7.08	4.32	5.083	7867	11	3.65	25.3	54.1	Clear	No Odor
12:32	12	300	mL/min	27.75	7.1	4.32	5.081	7865	11	3.63	25.3	54.6	Clear	No Odor
12:35	15	300	mL/min	27.75	7.1	4.31	5.083	7866	11	3.64	25.3	54.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-35-135	Date(s):	2025-02-24	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US
Area:	Default Site				
Weather(°F):	clear	Field Technician:	Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	116-136	Casing Diameter (in):	2
Well Casing Material:					
Static Water Level (ft-bmp):	27.11	Total Depth (ft-bmp):	154.48	Water Column(ft):	127.37
Liters in Well:	78.69				
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow
Purging Equipment:	Submersible Pump				
Purge Start Time:	12:58	Total Volume Purged (liters):	4.5	Sample ID:	MW-35-135-Q125
Sample Time:	13:14				
Purge End Time:	13:13	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	NA / NA
Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /				
Scope of work completed?	Yes				

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:58	0	300	mL/min	27.35	7.27	1.32	1.69	2750	16	1.29	28.2	44.9	Clear	No Odor
13:01	3	300	mL/min	27.35	7.13	6.94	7.85	12743	16	0.67	28.5	40.7	Clear	No Odor
13:04	6	300	mL/min	27.35	7.21	7.57	8.56	14130	16	0.6	28.9	44.4	Clear	No Odor
13:07	9	300	mL/min	27.35	7.25	7.54	8.76	14533	16	0.56	29.1	45	Clear	No Odor
13:10	12	300	mL/min	27.35	7.25	7.54	8.761	14535	13	0.54	29.1	46.4	Clear	No Odor
13:13	15	300	mL/min	27.35	7.25	7.54	8.761	14535	13	0.54	29.1	46.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-020	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	10-20	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	13	Total Depth (ft-bmp):	22.28	Water Column(ft):	9.28	Liters in Well:	1.43
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	20	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:47	Total Volume Purged (liters):	4.5	Sample ID:	MW-36-020-Q125	Sample Time:	11:03
Purge End Time:	11:02	Well Volumes Purged (total):	3.15	Replicate Type / Replicate ID:	Duplicate / MW-912-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:47	0	300	mL/min	13	6.99	2.28	2.782	4146	13	5.43	23.3	58.1	Clear	No Odor
10:50	3	300	mL/min	13	6.59	2.22	2.717	4085	13	0.19	23.7	41.9	Clear	No Odor
10:53	6	300	mL/min	13	6.56	2.22	2.756	4141	13	0.17	23.8	44.1	Clear	No Odor
10:56	9	300	mL/min	13	6.57	2.22	2.759	4143	13	0.17	24	44.6	Clear	No Odor
10:59	12	300	mL/min	13	6.57	2.22	2.757	4145	13	0.15	24	44.9	Clear	No Odor
11:02	15	300	mL/min	13	6.57	2.22	2.757	4145	13	0.15	24	44.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-040	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	30-40	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.2	Total Depth (ft-bmp):	39.99	Water Column(ft):	24.79	Liters in Well:	3.83
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	37	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:55	Total Volume Purged (liters):	4.5	Sample ID:	MW-36-040-Q125	Sample Time:	12:11
Purge End Time:	12:10	Well Volumes Purged (total):	1.17	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:55	0	300	mL/min	15.2	7.21	0.67	0.877	1408	13	1.68	25.5	52.6	Clear	No Odor
11:58	3	300	mL/min	15.2	6.96	0.71	0.916	1414	13	0.55	25.3	46.8	Clear	No Odor
12:01	6	300	mL/min	15.21	6.93	0.74	0.968	1492	13	0.39	25.3	43.2	Clear	No Odor
12:04	9	300	mL/min	15.21	6.93	0.74	0.968	1499	13	0.32	25.1	40.7	Clear	No Odor
12:07	12	300	mL/min	15.21	6.95	0.74	0.968	1500	13	0.3	25.1	40.3	Clear	No Odor
12:10	15	300	mL/min	15.21	6.95	0.74	0.966	1501	13	0.31	25.1	40.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-050	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	46-51	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.7	Total Depth (ft-bmp):	52.85	Water Column(ft):	37.15	Liters in Well: 5.74	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	50	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:24	Total Volume Purged (liters):	4.5	Sample ID:	MW-36-050-Q125	Sample Time:	12:40
Purge End Time:	12:39	Well Volumes Purged (total):	0.78	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:24	0	300	mL/min	15.7	6.97	0.71	0.929	1443	13	0.98	25.4	54.8	Clear	No Odor
12:27	3	300	mL/min	15.7	6.71	0.71	0.923	1423	13	0.38	25.1	47.8	Clear	No Odor
12:30	6	300	mL/min	15.7	6.72	0.71	0.936	1431	13	0.3	24.8	43.5	Clear	No Odor
12:33	9	300	mL/min	15.7	6.74	0.73	0.942	1450	13	0.27	25	42	Clear	No Odor
12:36	12	300	mL/min	15.7	6.73	0.73	0.945	1452	13	0.25	25.1	42.6	Clear	No Odor
12:39	15	300	mL/min	15.7	6.73	0.73	0.942	1454	13	0.25	25.2	42.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-070	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:	Jyovanny Rebolledo				
Measuring Pt. Description:		Screen Setting (ft-bgs):	60-70	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.2	Total Depth (ft-bmp):	72.25	Water Column(ft):	57.05	Liters in Well:	8.81
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	68	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:25	Total Volume Purged (liters):	4.5	Sample ID:	MW-36-070-Q125	Sample Time:	11:41
Purge End Time:	11:40	Well Volumes Purged (total):	0.51	Replicate Type / Replicate ID:	Equipment Blank / MW-36-070-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:25	0	300	mL/min	15.2	6.88	1.46	1.872	3225	13	1.78	25.2	47.8	Clear	No Odor
11:28	3	300	mL/min	15.2	6.81	1.11	1.417	2169	13	0.61	24.8	46	Clear	No Odor
11:31	6	300	mL/min	15.2	6.78	1.11	1.417	2177	13	0.48	25	45.7	Clear	No Odor
11:34	9	300	mL/min	15.2	6.79	1.11	1.417	2181	13	0.42	25.2	45.2	Clear	No Odor
11:37	12	300	mL/min	15.2	6.79	1.11	1.415	2183	13	0.45	25.4	45.9	Clear	No Odor
11:40	15	300	mL/min	15.2	6.79	1.11	1.415	2183	13	0.45	25.4	45.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Comments:	None
Well Information:	
Well Labeled Properly:	yes
Is Well in Good Condition?	good
Well Inspection Comments:	

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-090	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:60.8 °F, rH:14%, Clouds: 20%, Wind:10.36mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	80-90	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	16.98	Total Depth (ft-bmp):	92.33	Water Column(ft):	75.35	Liters in Well:	11.64
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	85	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:00	Total Volume Purged (liters):	7.5	Sample ID:	MW-36-090-Q125	Sample Time:	13:16
Purge End Time:	13:15	Well Volumes Purged (total):	0.64	Replicate Type / Replicate ID:	MS/MSD / MW-36-090-Q125 Equipment Blank / EB-713-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:03	0	500	mL/min	17	7.11	2.35	2.86	4400	12	0.97	21.6	-85.7	Clear	No Odor
13:06	3	500	mL/min	17	7.07	3.67	4.37	6803	8	0.89	21.5	-66.8	Clear	No Odor
13:09	6	500	mL/min	17	7.05	4.25	4.97	7658	6	0.81	21.5	-59.5	Clear	No Odor
13:12	9	500	mL/min	17	7.01	4.26	4.99	7667	6	0.82	21.5	-55.4	Clear	No Odor
13:15	12	500	mL/min	17	7.01	4.27	5.01	7707	6	0.84	21.5	-54.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-100	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US
Area:	Default Site				
Weather(°F):	CLOUDS, T:60.35 °F, rH:15%, Clouds: 20%, Wind:10.36mph N			Field Technician:	Riggie Tep
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	88-98	Casing Diameter (in):	2
Well Casing Material:					
Static Water Level (ft-bmp):	17.07	Total Depth (ft-bmp):	109.77	Water Column(ft):	92.7
Liters in Well:	57.27				
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	93	Purge Method:	Low Flow
Purging Equipment:	Peristaltic Pump				
Purge Start Time:	12:37	Total Volume Purged (liters):	7.5	Sample ID:	MW-36-100-Q125
Sample Time:	12:53				
Purge End Time:	12:52	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	NA / NA
Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /				

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:40	0	500	mL/min	17.1	7.14	6.24	7.14	10984	10	0.23	21.9	-83.2	Clear	No Odor
12:43	3	500	mL/min	17.1	7.12	6	6.86	10621	8	0.17	21.8	-78	Clear	No Odor
12:46	6	500	mL/min	17.1	7.11	5.91	6.78	10435	7	0.12	21.8	-86.6	Clear	No Odor
12:49	9	500	mL/min	17.1	7.1	5.89	6.76	10387	7	0.11	21.8	-91.4	Clear	No Odor
12:52	12	500	mL/min	17.1	7.09	5.87	6.73	10355	7	0.1	21.8	-92.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-38D	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	163-183	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	72.19	Total Depth (ft-bmp):	184.82	Water Column(ft):	112.63	Liters in Well: 69.58	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	175	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:49	Total Volume Purged (liters):	4.5	Sample ID:	MW-38D-Q125	Sample Time:	10:05
Purge End Time:	10:04	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:49	0	300	mL/min	72.19	10.23	11.73	12.74	17840	13	2.26	26.1	-17.2	Clear	No Odor
09:52	3	300	mL/min	72.19	10.7	13.05	14.13	22231	13	1.17	26.2	-17.4	Clear	No Odor
09:55	6	300	mL/min	72.19	10.11	13.15	14.24	22517	13	0.8	26.4	-12.4	Clear	No Odor
09:58	9	300	mL/min	72.19	10.8	13.16	14.25	22580	13	0.62	26.6	-9.1	Clear	No Odor
10:01	12	300	mL/min	72.2	10.82	13.16	14.252	22583	13	0.64	26.4	-9.6	Clear	No Odor
10:04	15	300	mL/min	72.2	10.82	13.16	14.252	22583	13	0.64	26.4	-9.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-38S	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	75-95	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	70.7	Total Depth (ft-bmp):	96.8	Water Column(ft):	26.1	Liters in Well:	16.12
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	94	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:10	Total Volume Purged (liters):	6	Sample ID:	MW-38S-Q125	Sample Time:	09:26
Purge End Time:	09:25	Well Volumes Purged (total):	0.37	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:10	0	400	gpm	70.7	7.11	1.21	1.527	2267	12	8.83	23.8	70.8	Clear	No Odor
09:13	3	400	mL/min	70.7	7.27	1.24	1.566	2397	12	8.39	24.9	69.4	Clear	No Odor
09:16	6	400	mL/min	70.71	7.33	1.21	1.54	2384	12	6.54	25.2	68.8	Clear	No Odor
09:19	9	400	mL/min	70.71	7.32	1.19	1.514	2356	12	5.74	25.5	67.5	Clear	No Odor
09:22	12	400	mL/min	70.71	7.35	1.17	1.513	2358	12	5.71	25.2	67.1	Clear	No Odor
09:25	15	400	mL/min	70.71	7.36	1.17	1.511	2357	12	5.68	25.4	67.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-040	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	30-40	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.4	Total Depth (ft-bmp):	39.63	Water Column(ft):	24.23	Liters in Well:	3.74
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	37	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:41	Total Volume Purged (liters):	4.5	Sample ID:	MW-39-040-Q125	Sample Time:	11:57
Purge End Time:	11:56	Well Volumes Purged (total):	1.20	Replicate Type / Replicate ID:	Equipment Blank / MW-39-040-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:41	0	300	mL/min	15.4	7.19	0.78	1.014	1482	19	0.55	21.1	31.4	Clear	No Odor
11:44	3	300	mL/min	15.4	7.17	0.74	0.955	1359	19	0.36	21.1	28.5	Clear	No Odor
11:47	6	300	mL/min	15.41	7.17	0.73	0.942	1339	19	0.27	21.1	25.8	Clear	No Odor
11:50	9	300	mL/min	15.41	7.17	0.72	0.936	1339	17	0.23	21.1	25.8	Clear	No Odor
11:53	12	300	mL/min	15.41	7.18	0.73	0.935	1340	17	0.22	21.1	26.2	Clear	No Odor
11:56	15	300	mL/min	15.41	7.19	0.73	0.933	1342	17	0.2	21.1	26.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
17	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-050	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	47-52	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.11	Total Depth (ft-bmp):	54.53	Water Column(ft):	39.42	Liters in Well:	6.09
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:46	Total Volume Purged (liters):	4.5	Sample ID:	MW-39-050-Q125	Sample Time:	11:02
Purge End Time:	11:01	Well Volumes Purged (total):	0.74	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:46	0	300	mL/min	15.11	7.19	1.38	1.774	2774	9	2.6	19.9	51.8	Clear	No Odor
10:49	3	300	mL/min	15.11	6.78	1.02	1.3	1824	9	0.52	20.3	43.1	Clear	No Odor
10:52	6	300	mL/min	15.11	6.76	1.11	1.397	1965	9	0.37	20.5	40.5	Clear	No Odor
10:55	9	300	mL/min	15.11	6.74	1.13	1.436	2015	9	0.34	20.4	39.7	Clear	No Odor
10:58	12	300	mL/min	15.11	6.75	1.13	1.433	2017	9	0.32	20.5	39.9	Clear	No Odor
11:01	15	300	mL/min	15.11	6.75	1.13	1.431	2016	9	0.33	20.5	40.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-060	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	49-59	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.4	Total Depth (ft-bmp):	59.81	Water Column(ft):	44.41	Liters in Well:	6.86
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	55	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	09:23	Total Volume Purged (liters):	4.5	Sample ID:	MW-39-060-Q125	Sample Time:	09:39
Purge End Time:	09:38	Well Volumes Purged (total):	0.66	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:23	0	300	mL/min	15.4	5.72	1.16	1.462	2075	13	10.24	20.9	57.6	Clear	No Odor
09:26	3	300	mL/min	15.4	5.78	1.23	1.547	2183	13	4.71	21	50.3	Clear	No Odor
09:29	6	300	mL/min	15.4	6.78	1.33	1.664	2364	13	3.25	21	48.1	Clear	No Odor
09:32	9	300	mL/min	15.4	6.76	1.37	1.716	2445	13	1.84	21.2	46.7	Clear	No Odor
09:35	12	300	mL/min	15.4	6.76	1.35	1.718	2446	13	1.82	21.2	46.9	Clear	No Odor
09:38	15	300	mL/min	15.41	6.76	1.35	1.717	2447	13	1.83	21.2	47.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-070	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	60-70	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.48	Total Depth (ft-bmp):	71.22	Water Column(ft):	55.74	Liters in Well: 8.61	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:13	Total Volume Purged (liters):	4.5	Sample ID:	MW-39-070-Q125	Sample Time:	11:29
Purge End Time:	11:28	Well Volumes Purged (total):	0.52	Replicate Type / Replicate ID:	MS/MSD / MW-39-070-Q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed? Yes							

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:13	0	300	mL/min	15.48	7.01	1.27	1.605	2355	16	1.02	20.1	51.1	Clear	No Odor
11:16	3	300	mL/min	15.48	6.73	2.98	3.568	4973	12	0.52	20.8	45.2	Clear	No Odor
11:19	6	300	mL/min	15.48	6.74	3.24	3.867	5462	12	0.41	20.8	43	Clear	No Odor
11:22	9	300	mL/min	15.48	6.74	3.1	3.718	5274	12	0.37	20.8	41.6	Clear	No Odor
11:25	12	300	mL/min	15.48	6.75	3.1	3.715	5273	12	0.35	20.8	41.9	Clear	No Odor
11:28	15	300	mL/min	15.48	6.75	3.1	3.713	5275	12	0.33	20.8	43.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-080	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	70-80	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	15.47	Total Depth (ft-bmp):	81.93	Water Column(ft):	66.46	Liters in Well:	10.26
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:21	Total Volume Purged (liters):	4.5	Sample ID:	MW-39-080-Q125	Sample Time:	10:37
Purge End Time:	10:36	Well Volumes Purged (total):	0.44	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:21	0	300	mL/min	15.47	6.93	3.93	4.641	6436	13	3.28	19.5	53.3	Clear	No Odor
10:24	3	300	mL/min	15.47	6.73	3.98	4.673	6436	13	0.99	19.8	46.7	Clear	No Odor
10:27	6	300	mL/min	15.47	6.69	4.36	5.089	7038	13	0.54	19.8	43.9	Clear	No Odor
10:30	9	300	mL/min	15.47	6.69	4.59	5.349	7417	13	0.43	19.9	42.2	Clear	No Odor
10:33	12	300	mL/min	15.47	6.7	4.6	5.348	7415	13	0.41	19.9	42.6	Clear	No Odor
10:36	15	300	mL/min	15.47	6.7	4.6	5.349	7415	13	0.42	19.9	42.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-100	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	80-100	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	15.54	Total Depth (ft-bmp):	116.45	Water Column(ft):	100.91	Liters in Well:	62.34
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	110	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:47	Total Volume Purged (liters):	4.5	Sample ID:	MW-39-100-Q125	Sample Time:	10:03
Purge End Time:	10:02	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	Duplicate / MW-913-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:47	0	300	mL/min	15.54	6.8	10.96	11.99	16829	16	1.33	20.6	50	Clear	No Odor
09:50	3	300	mL/min	15.54	6.66	10.83	11.87	16984	16	0.75	21.2	46.6	Clear	No Odor
09:53	6	300	mL/min	15.54	6.57	10.35	11.39	16347	19	0.57	21.4	46.1	Clear	No Odor
09:56	9	300	mL/min	15.54	6.49	10.14	11.18	16025	19	0.49	21.4	45.7	Clear	No Odor
09:59	12	300	mL/min	15.54	6.5	10.13	11.19	16029	19	0.45	21.3	45.9	Clear	No Odor
10:02	15	300	mL/min	15.54	6.5	10.13	11.18	16027	19	0.46	21.2	46.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
19	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-42-030	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	9.8-29.8	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	9.55	Total Depth (ft-bmp):	30.89	Water Column(ft):	21.34	Liters in Well:	13.18
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	28	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:22	Total Volume Purged (liters):	4.5	Sample ID:	MW-42-030-Q125	Sample Time:	12:38
Purge End Time:	12:37	Well Volumes Purged (total):	0.34	Replicate Type / Replicate ID:	Equipment Blank / EB-732-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:22	0	300	mL/min	9.55	7.37	1.02	1.3	1924	8	1.58	24	53.2	Clear	No Odor
12:25	3	300	mL/min	9.55	7.24	1.08	1.384	2112	8	0.42	24.7	45.8	Clear	No Odor
12:28	6	300	mL/min	9.56	7.17	1.13	1.436	2204	8	0.26	25	38.9	Clear	No Odor
12:31	9	300	mL/min	9.56	7.15	1.13	1.443	2224	8	0.2	25.1	35.9	Clear	No Odor
12:34	12	300	mL/min	9.56	7.17	1.11	1.445	2226	8	0.22	25.2	36.4	Clear	No Odor
12:37	15	300	mL/min	9.56	7.18	1.11	1.442	2224	8	0.22	25.3	36.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-42-055	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	42.5-52.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	9.4	Total Depth (ft-bmp):	55.15	Water Column(ft):	45.75	Liters in Well:	28.26
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	53	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:54	Total Volume Purged (liters):	6	Sample ID:	MW-42-055-Q125	Sample Time:	12:10
Purge End Time:	12:09	Well Volumes Purged (total):	0.21	Replicate Type / Replicate ID:	Equipment Blank / MW-42-055-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:54	0	400	mL/min	9.4	7.26	1.18	1.508	2514	13	1.59	23.3	50.9	Clear	No Odor
11:57	3	400	mL/min	9.4	7.13	1.05	1.332	1957	13	0.43	23.2	44.7	Clear	No Odor
12:00	6	400	mL/min	9.4	7.01	1.18	1.61	2394	13	38	23.4	40	Clear	No Odor
12:03	9	400	mL/min	9.4	7.01	1.29	1.625	2419	13	0.3	23.4	37.3	Clear	No Odor
12:06	12	400	mL/min	9.4	7.03	1.29	1.623	2422	13	0.32	23.4	37.6	Clear	No Odor
12:09	15	400	mL/min	9.4	7.03	1.29	1.625	2424	13	0.34	23.4	37.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-42-065	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	56.2-66.2	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	8.9	Total Depth (ft-bmp):	68.11	Water Column(ft):	59.21	Liters in Well:	36.58
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:31	Total Volume Purged (liters):	4.5	Sample ID:	MW-42-065-Q125	Sample Time:	NA
Purge End Time:	11:46	Well Volumes Purged (total):	0.12	Replicate Type / Replicate ID:	Equipment Blank / MW-42-065-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:31	0	300	mL/min	8.9	7.33	6.21	7.098	10414	12	3.25	22.8	54.5	Clear	No Odor
11:34	3	300	mL/min	8.9	6.9	6.56	7.488	11141	12	0.72	23.3	46.2	Clear	No Odor
11:37	6	300	mL/min	8.9	6.78	6.51	7.429	11086	12	0.5	23.4	44.4	Clear	No Odor
11:40	9	300	mL/min	8.91	6.77	6.44	7.358	10972	12	0.41	23.4	43.2	Clear	No Odor
11:43	12	300	mL/min	8.91	6.78	6.44	7.356	10975	12	0.38	23.5	43.6	Clear	No Odor
11:46	15	300	mL/min	8.91	6.78	6.44	7.354	10973	12	0.39	23.5	43.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-43-025	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	15-25	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	7.73	Total Depth (ft-bmp):	26.53	Water Column(ft):	18.8	Liters in Well:	11.61
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	24	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:45	Total Volume Purged (liters):	4.5	Sample ID:	MW-43-025-Q125	Sample Time:	11:01
Purge End Time:	11:00	Well Volumes Purged (total):	0.39	Replicate Type / Replicate ID:	Equipment Blank / MW-43-025-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:45	0	300	mL/min	17.73	6.91	1.79	2.223	3279	18	0.07	24.2	49.9	Clear	No Odor
10:48	3	300	mL/min	17.73	6.73	1.61	2.008	2863	18	0.08	21.5	40	Clear	No Odor
10:51	6	300	mL/min	17.73	6.71	1.58	1.969	2828	16	0.08	21.5	35.4	Clear	No Odor
10:54	9	300	mL/min	17.73	6.72	1.57	1.956	2814	16	0.08	21.6	32.3	Clear	No Odor
10:57	12	300	mL/min	17.74	6.73	1.57	1.956	2815	16	0.06	21.6	32.5	Clear	No Odor
11:00	15	300	mL/min	17.74	6.74	1.57	1.954	2815	16	0.06	21.4	32.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
16	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-43-075	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	65-75	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	8	Total Depth (ft-bmp):	77.53	Water Column(ft):	69.53	Liters in Well:	42.95
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	75	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:07	Total Volume Purged (liters):	4.5	Sample ID:	MW-43-075-Q125	Sample Time:	10:23
Purge End Time:	10:22	Well Volumes Purged (total):	0.10	Replicate Type / Replicate ID:	Equipment Blank / MW-43-075-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:07	0	300	mL/min	0.8	7.07	9.07	10.08	14094	12	0.02	20.3	51.9	Clear	No Odor
10:10	3	300	mL/min	0.8	6.84	9.23	10.23	14105	12	0.02	20.5	47.6	Clear	No Odor
10:13	6	300	mL/min	8	6.58	9.36	10.37	14650	12	0.02	20.7	43	Clear	No Odor
10:16	9	300	mL/min	8.01	6.88	9.33	10.34	14609	12	0.02	20.7	40.8	Clear	No Odor
10:19	12	300	mL/min	8.01	6.87	9.35	10.341	14611	11	0.02	20.8	41.4	Clear	No Odor
10:22	15	300	mL/min	8.01	6.87	9.35	10.341	14613	11	0.02	20.7	41.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-43-090	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	80-90	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	8.34	Total Depth (ft-bmp):	102.47	Water Column(ft):	94.13	Liters in Well:	58.15
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	09:40	Total Volume Purged (liters):	4.5	Sample ID:	MW-43-090-Q125	Sample Time:	09:56
Purge End Time:	09:55	Well Volumes Purged (total):	0.08	Replicate Type / Replicate ID:	Equipment Blank / MW-43-090-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:40	0	300	mL/min	8.34	7.09	10.81	12.95	17557	15	0.03	18.8	52	Clear	No Odor
09:43	3	300	mL/min	8.34	7.06	11.7	12.71	17612	15	0.02	19.8	54.8	Clear	No Odor
09:46	6	300	mL/min	8.35	7.02	11.92	12.94	18025	15	0.02	20	53.8	Clear	No Odor
09:49	9	300	mL/min	8.35	7.08	11.9	12.941	18055	15	0.03	20	53.2	Clear	No Odor
09:52	12	300	mL/min	8.35	7.09	11.91	12.941	18058	15	0.01	20.1	53.5	Clear	No Odor
09:55	15	300	mL/min	8.35	7.09	11.91	12.941	18058	15	0.01	20.1	53.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-44-070	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:67.5 °F, rH:17%, Clouds: 0%, Wind:12.66mph W-SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	61-71	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	19	Total Depth (ft-bmp):	72.3	Water Column(ft):	53.3	Liters in Well:	32.93
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	66	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:07	Total Volume Purged (liters):	7.5	Sample ID:	MW-44-070-Q125	Sample Time:	13:23
Purge End Time:	13:22	Well Volumes Purged (total):	0.23	Replicate Type / Replicate ID:	Equipment Blank / MW-44-070-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:10	0	500	mL/min	19.03	7.5	2.42	2.94	4535	8	0.22	22.8	-167.7	Clear	No Odor
13:13	3	500	mL/min	19.03	7.44	2.41	2.93	4511	6	0.14	22.7	-168.9	Clear	No Odor
13:16	6	500	mL/min	19.03	7.45	2.43	2.95	4544	4	0.11	22.8	-168.8	Clear	No Odor
13:19	9	500	mL/min	19.03	7.46	2.43	2.95	4547	4	0.1	22.7	-167.7	Clear	No Odor
13:22	12	500	mL/min	19.03	7.46	2.42	2.94	4539	4	0.09	22.7	-166.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID: MW-44-115

Date(s): 2025-02-11

Work Order(s): PGE_Topock_2025_Q1_V1_FINAL

Client: Pacific Gas and Electric

Facility: Topock

Facility Location: 515 National Trails Hwy, Needles, CA 92363, US

Area: Default Site

Weather(°F): CLEAR, T:65.88 °F, rH:18%, Clouds: 0%, Wind:13.8mph W-SW

Field Technician: Riggie Tep

Measuring Pt. Description: Top of Inner Casing

Screen Setting (ft-bgs): 105-113

Casing Diameter (in): 2

Well Casing Material:

Static Water Level (ft-bmp): 19.44

Total Depth (ft-bmp): 114.23

Water Column(ft): 94.79

Liters in Well: 58.56

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp): 109

Purge Method: Low Flow

Purging Equipment: Peristaltic Pump

Purge Start Time: 12:11

Total Volume Purged (liters): 7.5

Sample ID: MW-44-115-Q125

Sample Time: 12:27

Purge End Time: 12:26

Well Volumes Purged (total): 0.13

Replicate Type / Replicate ID: NA / NA

Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:14	0	500	mL/min	19.46	7.51	9.04	10.07	15479	19	0.39	23.8	22.1	Clear	No Odor
12:17	3	500	mL/min	19.46	7.5	9.06	10.08	15518	12	0.2	23.9	9.7	Clear	No Odor
12:20	6	500	mL/min	19.46	7.49	9.08	10.11	15557	9	0.15	24	5.8	Clear	No Odor
12:23	9	500	mL/min	19.46	7.47	9.09	10.12	15560	9	0.12	24	3.6	Clear	No Odor
12:26	12	500	mL/min	19.46	7.47	9.07	10.1	15531	9	0.11	24	1.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-44-125	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:66.34 °F, rH:17%, Clouds: 0%, Wind:13.8mph W-SW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	116-125	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	19.43	Total Depth (ft-bmp):	126.83	Water Column(ft):	107.4	Liters in Well: 66.35
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	121	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	12:41	Total Volume Purged (liters):	7.5	Sample ID:	MW-44-125-Q125	Sample Time: 12:57
Purge End Time:	12:56	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	Equipment Blank / EB-711-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:44	0	500	mL/min	19.45	7.49	8.41	9.41	14480	23	0.29	23	-100.6	Clear	No Odor
12:47	3	500	mL/min	19.45	7.48	8.4	9.4	14464	11	0.16	23.1	-80.8	Clear	No Odor
12:50	6	500	mL/min	19.45	7.48	8.4	9.41	14473	11	0.13	23.1	-73.1	Clear	No Odor
12:53	9	500	mL/min	19.45	7.48	8.4	9.41	14470	11	0.11	23.1	-70.2	Clear	No Odor
12:56	12	500	mL/min	19.45	7.49	8.41	9.41	14477	11	0.09	23.2	-70.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-45-095a	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:65.3 °F, rH:21%, Clouds: 0%, Wind:17.27mph W-SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	83-93	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	15.52	Total Depth (ft-bmp):	93.88	Water Column(ft):	78.36	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	88	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:39	Total Volume Purged (liters):	7.5	Sample ID:	MW-45-095a-Q125	Sample Time:	11:55
Purge End Time:	11:54	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:42	0	500	mL/min	15.55	7.37	4.99	5.8	8918	13	0.29	21.8	-65	Clear	No Odor
11:45	3	500	mL/min	15.55	7.33	4.99	5.79	8913	11	0.2	21.7	-52.1	Clear	No Odor
11:48	6	500	mL/min	15.55	7.3	4.99	5.79	8911	10	0.14	21.7	-43.2	Clear	No Odor
11:51	9	500	mL/min	15.55	7.3	4.99	5.79	8913	10	0.12	21.8	-39.8	Clear	No Odor
11:54	12	500	mL/min	15.55	7.29	4.98	5.78	8897	10	0.1	21.8	-37.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-46-175	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:56.41 °F, rH:19%, Clouds: 0%, Wind:16.11mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	165-175	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	29.56	Total Depth (ft-bmp):	176.03	Water Column(ft):	146.47	Liters in Well:	90.49
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	170	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:06	Total Volume Purged (liters):	7.5	Sample ID:	MW-46-175-Q125	Sample Time:	10:22
Purge End Time:	10:21	Well Volumes Purged (total):	0.08	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:09	0	500	mL/min	29.58	7.13	10.22	11.24	17285	16	0.91	19.6	48.5	Clear	No Odor
10:12	3	500	mL/min	29.58	7.16	10.23	11.26	17289	13	0.65	20.2	43.5	Clear	No Odor
10:15	6	500	mL/min	29.58	7.2	10.29	11.32	17359	11	0.46	20.6	39	Clear	No Odor
10:18	9	500	mL/min	29.58	7.22	10.29	11.31	17390	11	0.46	20.6	36.6	Clear	No Odor
10:21	12	500	mL/min	29.58	7.23	10.28	11.31	17392	11	0.43	20.6	35.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-46-205	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny	Field Technician:			Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	196.5-206.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	29.15	Total Depth (ft-bmp):	218.73	Water Column(ft):	189.58	Liters in Well:	117.12
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	201	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	10:19	Total Volume Purged (liters):	10	Sample ID:	MW-46-205-Q125	Sample Time:	11:40
Purge End Time:	11:39	Well Volumes Purged (total):	0.09	Replicate Type / Replicate ID:	Duplicate / MW-914-Q125 Equipment Blank / EB-719-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:19	0	500	mL/min	29.15	8.12	13.05	14.11	21696	10	2.03	24.3	77.8	Clear	No Odor
10:23	4	500	mL/min	29.19	8.15	13.05	14.11	21703	6	1.73	24.1	73.8	Clear	No Odor
10:27	8	500	mL/min	29.19	8.18	13.05	14.11	21709	4	1.47	23.9	70.9	Clear	No Odor
10:31	12	500	mL/min	29.19	8.17	13.05	14.11	21712	3	1.42	23.9	70.1	Clear	No Odor
10:35	16	500	mL/min	29.19	8.17	13.05	14.11	21715	3	1.39	23.8	68.9	Clear	No Odor
10:39	20	500	mL/min	29.19	8.18	13.05	14.11	21716	3	1.38	23.8	68.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
3	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-47-055	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	45-55	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	30.44	Total Depth (ft-bmp):	56.71	Water Column(ft):	26.27	Liters in Well:	16.23
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	53	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	13:07	Total Volume Purged (liters):	6	Sample ID:	MW-47-055-Q125	Sample Time:	13:23
Purge End Time:	13:22	Well Volumes Purged (total):	0.37	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:07	0	400	mL/min	30.44	7.08	3	3.627	5769	15	3.22	26.7	67.8	Clear	No Odor
13:10	3	400	mL/min	30.44	7.09	2.94	3.555	5660	15	3.22	26.8	65.2	Clear	No Odor
13:13	6	400	mL/min	30.44	7.1	2.92	3.529	5618	15	2.15	26.9	64.2	Clear	No Odor
13:16	9	400	mL/min	30.44	7.1	2.92	3.529	5614	15	2.15	26.9	64.2	Clear	No Odor
13:19	12	400	mL/min	30.44	7.11	2.92	3.529	5615	15	2.13	27	64.5	Clear	No Odor
13:22	15	400	mL/min	30.44	7.11	2.92	3.53	5615	15	2.11	27	64.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-47-115	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	105-115	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	30.59	Total Depth (ft-bmp):	115.58	Water Column(ft):	84.99	Liters in Well:	52.51
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	154	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:44	Total Volume Purged (liters):	6	Sample ID:	MW-47-115-Q125	Sample Time:	13:00
Purge End Time:	12:59	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:44	0	400	mL/min	30.59	6.51	8.88	9.932	15846	16	5.11	27.3	48.8	Clear	No Odor
12:47	3	400	mL/min	30.59	6.8	9.08	10.14	16339	16	3.72	27.5	53.5	Clear	No Odor
12:50	6	400	mL/min	30.59	6.89	9.08	10.24	16498	16	2.45	27.5	56.9	Clear	No Odor
12:53	9	400	mL/min	30.59	6.93	9.5	10.54	16919	16	1.44	27.5	58.8	Clear	No Odor
12:56	12	400	mL/min	30.59	6.95	9.5	10.541	16917	16	1.45	27.3	58.9	Clear	No Odor
12:59	15	400	mL/min	30.59	6.94	9.5	10.54	16918	16	1.43	27.3	59.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-49-135	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	125-135	Casing Diameter (in):	1.5	Well Casing Material:	
Static Water Level (ft-bmp):	29.37	Total Depth (ft-bmp):	136.29	Water Column(ft):	106.92	Liters in Well:	37.15
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	130	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:21	Total Volume Purged (liters):	10	Sample ID:	MW-49-135-Q125	Sample Time:	11:42
Purge End Time:	11:41	Well Volumes Purged (total):	0.27	Replicate Type / Replicate ID:	Equipment Blank / MW-49-135-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:21	0	500	mL/min	29.37	8.41	8.11	9.1	14610	33	1.79	25.1	70.3	Clear	No Odor
11:25	4	500	mL/min	29.42	8.35	8.11	9.1	14618	21	1.65	25.3	65.2	Clear	No Odor
11:29	8	500	mL/min	29.42	8.33	8.11	9.1	14621	13	1.51	25.4	60.5	Clear	No Odor
11:33	12	500	mL/min	29.42	8.32	8.11	9.1	14628	9	1.48	25.4	60.5	Clear	No Odor
11:37	16	500	mL/min	29.42	8.31	8.11	9.1	14631	9	1.45	25.4	60.1	Clear	No Odor
11:41	20	500	mL/min	29.42	8.31	8.11	9.1	14635	9	1.43	25.4	58.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-49-275

Date(s):

2025-02-27

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

Sunny, Windy

Field Technician:

Nara Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

255-275

Casing Diameter (in):

2

Well Casing Material:

Static Water Level (ft-bmp):

30.41

Total Depth (ft-bmp):

274.73

Water Column(ft):

244.32

Liters in Well:

150.94

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

265

Purge Method:

Low Flow

Purging Equipment:

Portable Bladder

Purge Start Time:

10:29

Total Volume Purged (liters):

10

Sample ID:

MW-49-275-Q125

Sample Time:

10:50

Purge End Time:

10:49

Well Volumes Purged (total):

0.07

Replicate Type / Replicate ID:

Equipment Blank / MW-49-275-EB-Q125

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:29	0	500	mL/min	30.41	8.19	14.09	15.13	23860	11	1.36	25.4	77.5	Clear	No Odor
10:33	4	500	mL/min	30.48	8.16	14.09	15.13	23855	7	1.25	25.5	65.8	Clear	No Odor
10:37	8	500	mL/min	30.48	8.13	14.09	15.13	23851	5	1.21	25.5	60.9	Clear	No Odor
10:41	12	500	mL/min	30.48	8.14	14.09	15.13	23844	4	1.16	25.4	57.8	Clear	No Odor
10:45	16	500	mL/min	30.48	8.14	14.09	15.13	23842	4	1.14	25.4	55.9	Clear	No Odor
10:49	20	500	mL/min	30.48	8.15	14.09	15.13	23839	4	1.13	25.4	55.1	Clear	No Odor

Constituent Sampled

Chromium, Hexavalent (EPA 218.6)

Container

Plastic

Number

1

Volume

250 mL

Preservative

(NH4)2SO4/NaOH

Pre-Filter Turbidity

4

Post-Filter Turbidity

1

Number of Filters Used

1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-49-365	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	346-366	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	32.19	Total Depth (ft-bmp):	367.35	Water Column(ft):	335.16	Liters in Well:	207.06
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	356	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	09:19	Total Volume Purged (liters):	10	Sample ID:	MW-49-365-Q125	Sample Time:	09:40
Purge End Time:	09:39	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	Equipment Blank / MW-49-365-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:19	0	500	mL/min	32.19	8.03	22.2	22.88	35770	10	1.52	23.1	56.8	Clear	No Odor
09:23	4	500	mL/min	32.23	7.98	22.2	22.88	35742	6	1.48	23.3	50.1	Clear	No Odor
09:27	8	500	mL/min	32.23	7.96	22.2	22.88	35733	5	1.41	23.3	44.8	Clear	No Odor
09:31	12	500	mL/min	32.23	7.96	22.2	22.88	35730	4	1.35	23.4	44.1	Clear	No Odor
09:35	16	500	mL/min	32.23	7.97	22.2	22.88	35726	4	1.32	23.4	42.5	Clear	No Odor
09:39	20	500	mL/min	32.23	7.97	22.2	22.88	35724	4	1.31	23.4	42.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-51	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	97-112	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	47.4	Total Depth (ft-bmp):	113	Water Column(ft):	65.6	Liters in Well:	162.11
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	110	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:11	Total Volume Purged (liters):	4.5	Sample ID:	MW-51-Q125	Sample Time:	12:27
Purge End Time:	12:26	Well Volumes Purged (total):	0.03	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:11	0	300	mL/min	47.4	7.17	1.57	1.969	2984	16	3.53	20.8	49.2	Clear	No Odor
12:14	3	300	mL/min	47.4	6.55	2.1	2.561	3332	16	1.35	23.7	35.9	Clear	No Odor
12:17	6	300	mL/min	47.41	6.49	4.86	5.473	8217	14	0.7	24.6	10.8	Clear	No Odor
12:20	9	300	mL/min	47.41	6.52	4.86	5.967	9065	14	0.54	24.5	0	Clear	No Odor
12:23	12	300	mL/min	47.41	6.54	4.86	5.965	9069	14	0.52	24.3	-1.2	Clear	No Odor
12:26	15	300	mL/min	47.41	6.54	4.86	5.965	9067	14	0.53	24.3	-1.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-52D	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	85-87	Casing Diameter (in):	0.75	Well Casing Material:	
Static Water Level (ft-bmp):	15.24	Total Depth (ft-bmp):	89.52	Water Column(ft):	74.28	Liters in Well:	6.45
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	87	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:04	Total Volume Purged (liters):	4.5	Sample ID:	MW-52D-Q125	Sample Time:	12:20
Purge End Time:	12:19	Well Volumes Purged (total):	0.70	Replicate Type / Replicate ID:	Equipment Blank / MW-52D-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:04	0	300	mL/min	15.24	6.91	15.03	15.72	21880	17	7.03	22.4	48.9	Clear	No Odor
12:07	3	300	mL/min	15.24	6.47	14.52	15.25	22331	17	7.32	22.2	43.7	Clear	No Odor
12:10	6	300	mL/min	15.24	6.28	14.52	15.82	29512	17	7.33	22.2	39.6	Clear	No Odor
12:13	9	300	mL/min	15.24	6.22	15.07	16	23282	17	7.16	22.2	37.7	Clear	No Odor
12:16	12	300	mL/min	15.25	6.24	15.07	16.02	23285	17	7.14	22.3	37.9	Clear	No Odor
12:19	15	300	mL/min	15.25	6.25	15.07	16.03	23283	17	7.12	22.4	38.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-52M	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	66-68	Casing Diameter (in):	0.75	Well Casing Material:	
Static Water Level (ft-bmp):	15.03	Total Depth (ft-bmp):	70.52	Water Column(ft):	55.49	Liters in Well:	4.82
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	68	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:50	Total Volume Purged (liters):	6	Sample ID:	MW-52M-Q125	Sample Time:	11:06
Purge End Time:	11:05	Well Volumes Purged (total):	1.24	Replicate Type / Replicate ID:	Equipment Blank / MW-52M-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:50	0	400	mL/min	15.03	5.05	11.54	12.58	17604	8	0.02	20.2	13.6	Clear	No Odor
10:53	3	400	mL/min	15.03	5.08	11.55	12.58	17592	8	0.02	20.2	3	Clear	No Odor
10:56	6	400	mL/min	15.03	5.96	11.6	12.66	17702	8	0.02	20.2	17	Clear	No Odor
10:59	9	400	mL/min	15.03	5.95	11.62	12.65	17677	8	0.02	20.2	17.9	Clear	No Odor
11:02	12	400	mL/min	15.03	5.96	11.62	12.651	17679	8	0.02	20.2	19.4	Clear	No Odor
11:05	15	400	mL/min	15.03	5.96	11.62	12.651	17679	8	0.02	20.2	19.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-52S	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	47-49	Casing Diameter (in):	0.75	Well Casing Material:	
Static Water Level (ft-bmp):	12.81	Total Depth (ft-bmp):	51.53	Water Column(ft):	38.72	Liters in Well:	3.36
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	48	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:18	Total Volume Purged (liters):	6	Sample ID:	MW-52S-Q125	Sample Time:	11:34
Purge End Time:	11:33	Well Volumes Purged (total):	1.79	Replicate Type / Replicate ID:	Equipment Blank / MW-52S-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:18	0	400	mL/min	12.81	6.38	11.5	12.46	18022	15	5.88	24.4	42.7	Clear	No Odor
11:21	3	400	mL/min	12.81	6.44	8.81	8.63	14304	15	6.39	24.4	43.1	Clear	No Odor
11:24	6	400	mL/min	12.81	6.46	8.83	8.632	14301	15	6.42	24.2	43.6	Clear	No Odor
11:27	9	400	mL/min	12.81	6.49	8.81	8.634	14307	15	6.46	24.2	45.4	Clear	No Odor
11:30	12	400	mL/min	12.82	6.49	8.81	8.636	14305	15	6.47	24.2	45.5	Clear	No Odor
11:33	15	400	mL/min	12.82	6.49	8.81	8.634	14306	15	6.45	24.2	45.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-53D	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	123.5-125	Casing Diameter (in):	0.75	Well Casing Material:	
Static Water Level (ft-bmp):	20.75	Total Depth (ft-bmp):	125.03	Water Column(ft):	104.28	Liters in Well:	9.06
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	123	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:20	Total Volume Purged (liters):	4.5	Sample ID:	MW-53D-Q125	Sample Time:	10:36
Purge End Time:	10:35	Well Volumes Purged (total):	0.50	Replicate Type / Replicate ID:	Equipment Blank / MW-53D-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed? Yes							

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:20	0	300	mL/min	20.75	6.43	18.82	19.68	27743	12	0.94	20.6	45.4	Clear	No Odor
10:23	3	300	mL/min	20.75	6.24	18.82	19.68	27857	12	0.46	20.6	37.2	Clear	No Odor
10:26	6	300	mL/min	20.75	6.23	18.81	19.68	27847	12	0.38	20.8	34.3	Clear	No Odor
10:29	9	300	mL/min	20.75	6.15	18.86	19.72	28057	12	0.33	21.1	33.4	Clear	No Odor
10:32	12	300	mL/min	20.75	6.17	18.85	19.721	28055	12	0.35	21	34.7	Clear	No Odor
10:35	15	300	mL/min	20.75	6.17	18.85	19.723	28056	12	0.33	21	34.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-53M	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	98.5-100	Casing Diameter (in):	0.75	Well Casing Material:	
Static Water Level (ft-bmp):	16.8	Total Depth (ft-bmp):	100.02	Water Column(ft):	83.22	Liters in Well:	7.23
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	97	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	09:53	Total Volume Purged (liters):	6	Sample ID:	MW-53M-Q125	Sample Time:	10:09
Purge End Time:	10:08	Well Volumes Purged (total):	0.83	Replicate Type / Replicate ID:	Equipment Blank / MW-53M-EB-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:53	0	400	mL/min	16.8	6.89	3.35	3.997	5493	18	1.75	19.1	48.2	Clear	No Odor
09:56	3	400	mL/min	16.8	6.72	4.26	4.953	6483	16	0.91	19.3	44.3	Clear	No Odor
09:59	6	400	mL/min	16.8	6.47	7.56	8.463	11205	16	0.55	19.2	41.9	Clear	No Odor
10:02	9	400	mL/min	16.8	6.44	9.5	10.47	14053	16	0.48	19.3	41.3	Clear	No Odor
10:05	12	400	mL/min	16.8	6.46	9.51	10.47	14055	16	0.46	19.4	41.6	Clear	No Odor
10:08	15	400	mL/min	16.81	6.46	9.52	10.47	14053	16	0.47	19.4	41.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
16	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-53S	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	28.5-30	Casing Diameter (in):	0.75	Well Casing Material:	
Static Water Level (ft-bmp):	17.02	Total Depth (ft-bmp):	30.02	Water Column(ft):	13	Liters in Well:	1.13
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	29	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	09:19	Total Volume Purged (liters):	4.5	Sample ID:	MW-53S-Q125	Sample Time:	09:35
Purge End Time:	09:34	Well Volumes Purged (total):	3.98	Replicate Type / Replicate ID:	Duplicate / MW-915-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:19	0	300	mL/min	17.02	6.12	6.36	1.345	1801	13	11.99	18	42.5	Clear	No Odor
09:22	3	300	mL/min	17.02	6.5	1.05	1.332	1776	13	8.38	17	38.6	Clear	No Odor
09:25	6	300	mL/min	17.02	6.54	1.04	1.319	1762	13	5.52	18.1	64.1	Clear	No Odor
09:28	9	300	mL/min	17.02	6.56	1.04	1.319	1772	13	3.67	18.4	29.1	Clear	No Odor
09:31	12	300	mL/min	17.02	6.58	1.04	1.317	1775	13	3.65	18.2	29.6	Clear	No Odor
09:34	15	300	mL/min	17.02	6.58	1.02	1.315	1776	13	3.67	18.2	29.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	13	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-57-070	Date(s):	2025-02-24	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	55-70	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	54.55	Total Depth (ft-bmp):	68.45	Water Column(ft):	13.9	Liters in Well:	8.59
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	14:10	Total Volume Purged (liters):	4.5	Sample ID:	MW-57-070-Q125	Sample Time:	14:26
Purge End Time:	14:25	Well Volumes Purged (total):	0.52	Replicate Type / Replicate ID:	Equipment Blank / EB-729-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:10	0	300	mL/min	54.55	7.14	1.21	1.54	2502	19	1.14	28.1	51.6	Clear	No Odor
14:13	3	300	mL/min	54.55	6.97	1.26	1.012	2624	19	0.7	28	47.8	Clear	No Odor
14:16	6	300	mL/min	54.55	6.96	1.2	1.482	2419	19	0.49	28	43.3	Clear	No Odor
14:19	9	300	mL/min	54.55	6.92	1.2	1.592	2567	17	0.42	28	42.9	Clear	No Odor
14:22	12	300	mL/min	54.55	6.92	1.2	1.591	2566	17	0.43	28	42.5	Clear	No Odor
14:25	15	300	mL/min	54.56	6.93	1.2	1.593	2568	17	0.41	28	42.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
17	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-58BR	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny	Field Technician:			Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	54-206	Casing Diameter (in):	0	Well Casing Material:	
Static Water Level (ft-bmp):	68.48	Total Depth (ft-bmp):	204.21	Water Column(ft):	135.73	Liters in Well:	0
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	135	Purge Method:	Low Flow	Purging Equipment:	Dedicated Bladder
Purge Start Time:	14:21	Total Volume Purged (liters):	10	Sample ID:	MW-58BR-Q125	Sample Time:	14:42
Purge End Time:	14:41	Well Volumes Purged (total):		Replicate Type / Replicate ID:	Equipment Blank / EB-730-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:21	0	500	mL/min	68.48	7.87	4.54	5.34	8228	15	2.65	28.9	44.8	Clear	No Odor
14:25	4	500	mL/min	68.53	7.9	4.54	5.34	8233	11	2.25	29.1	40.6	Clear	No Odor
14:29	8	500	mL/min	68.53	7.91	4.51	5.31	8211	7	2.11	29.3	42.7	Clear	No Odor
14:33	12	500	mL/min	68.53	7.92	4.51	5.31	8207	5	2.07	29.4	42.9	Clear	No Odor
14:37	16	500	mL/min	68.53	7.92	4.51	5.31	8203	5	2.04	29.4	42.5	Clear	No Odor
14:41	20	500	mL/min	68.53	7.92	4.51	5.31	8202	5	2.03	29.4	41.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-60-125	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:71.13 °F, rH:13%, Clouds: 0%, Wind:19.57mph N-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	103-123	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	100.87	Total Depth (ft-bmp):	121.71	Water Column(ft):	20.84	Liters in Well:	12.87
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	113	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	08:52	Total Volume Purged (liters):	7.5	Sample ID:	MW-60-125-Q125	Sample Time:	09:08
Purge End Time:	09:07	Well Volumes Purged (total):	0.58	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
08:55	0	500	mL/min	100.9	7.12	4.07	4.81	7411	33	0.83	25.9	45.4	Clear	No Odor
08:58	3	500	mL/min	100.9	7.15	4.02	4.75	7323	30	0.6	26.2	39.1	Clear	No Odor
09:01	6	500	mL/min	100.9	7.18	3.98	4.71	7256	27	0.48	26.3	30.6	Clear	No Odor
09:04	9	500	mL/min	100.9	7.19	3.99	4.72	7257	27	0.46	26.3	22.9	Clear	No Odor
09:07	12	500	mL/min	100.9	7.2	3.99	4.78	7368	27	0.44	26.3	22.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
27	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-62-065	Date(s):	2025-02-24	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	44.5-64.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	49.95	Total Depth (ft-bmp):	63.68	Water Column(ft):	13.73	Liters in Well: 8.48	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	13:33	Total Volume Purged (liters):	7.5	Sample ID:	MW-62-065-Q125	Sample Time:	13:49
Purge End Time:	13:48	Well Volumes Purged (total):	0.88	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:33	0	500	mL/min	49.95	7.26	4.67	5.577	9474	15	3.21	28.1	51.5	Clear	No Odor
13:36	3	500	mL/min	49.95	7.07	4.08	4.842	7903	15	2.01	28.2	50.9	Clear	No Odor
13:39	6	500	mL/min	49.95	7.04	4.08	4.818	7902	15	1.69	28.5	51.2	Clear	No Odor
13:42	9	500	mL/min	49.95	7.03	4.07	4.829	7904	15	1.39	28.3	51.2	Clear	No Odor
13:45	12	500	mL/min	49.96	7.02	4.07	4.827	7905	15	1.4	28.3	51.5	Clear	No Odor
13:48	15	500	mL/min	49.96	7.02	4.07	4.825	7903	15	1.4	28.3	51.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-63-065	Date(s):	2025-02-27	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US
Area:	Default Site				
Weather(°F):	clear	Field Technician:	Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	46-66	Casing Diameter (in):	2
Well Casing Material:					
Static Water Level (ft-bmp):	49.5	Total Depth (ft-bmp):	63.16	Water Column(ft):	13.66
Liters in Well:	8.44				
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	60	Purge Method:	Low Flow
Purging Equipment:	Submersible Pump				
Purge Start Time:	12:56	Total Volume Purged (liters):	4.5	Sample ID:	MW-63-065-Q125
Sample Time:	13:12				
Purge End Time:	13:11	Well Volumes Purged (total):	0.53	Replicate Type / Replicate ID:	Equipment Blank / EB-738-Q125
Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /				
Scope of work completed?	Yes				

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:56	0	300	mL/min	49.5	6.79	5.27	6.09	9320	8	1.47	24.8	51	Clear	No Odor
12:59	3	300	mL/min	49.5	6.74	5.23	6.071	9281	8	1.33	24.7	49.8	Clear	No Odor
13:02	6	300	mL/min	49.5	6.72	5.23	6.038	9246	8	1.28	24.6	48.4	Clear	No Odor
13:05	9	300	mL/min	49.51	6.7	5.18	6.019	9218	8	1.23	24.6	47.5	Clear	No Odor
13:08	12	300	mL/min	49.51	6.72	5.18	6.017	9220	8	1.21	24.4	47.2	Clear	No Odor
13:11	15	300	mL/min	49.51	6.72	5.18	6.017	9222	8	1.23	24.4	47.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-64BR	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:72.66 °F, rH:14%, Clouds: 0%, Wind:24.16mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	2-258	Casing Diameter (in):	3	Well Casing Material:	
Static Water Level (ft-bmp):	121.15	Total Depth (ft-bmp):	258	Water Column(ft):	136.85	Liters in Well:	190.22
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	185	Purge Method:	Low Flow	Purging Equipment:	Dedicated Pump
Purge Start Time:	09:29	Total Volume Purged (liters):	7.5	Sample ID:	MW-64BR-Q125	Sample Time:	09:45
Purge End Time:	09:44	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:32	0	500	mL/min	121.16	7.19	6.77	7.72	11859	16	1.7	25.7	-101	Clear	No Odor
09:35	3	500	mL/min	121.16	7.23	6.78	7.73	11881	13	0.49	25.7	-149.5	Clear	No Odor
09:38	6	500	mL/min	121.16	7.26	6.78	7.73	11889	11	0.28	25.5	-160.9	Clear	No Odor
09:41	9	500	mL/min	121.16	7.26	6.75	7.69	11848	11	0.21	25.2	-163.6	Clear	No Odor
09:44	12	500	mL/min	121.16	7.27	6.76	7.71	11847	11	0.19	25.3	-165.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-65-160	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:74.34 °F, rH:12%, Clouds: 0%, Wind:23.42mph N-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	150-160	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	142.4	Total Depth (ft-bmp):	160.44	Water Column(ft):	18.04	Liters in Well:	11.14
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	155	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	11:00	Total Volume Purged (liters):	7.5	Sample ID:	MW-65-160-Q125	Sample Time:	11:16
Purge End Time:	11:15	Well Volumes Purged (total):	0.67	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:03	0	500	mL/min	142.42	7.2	1.13	1.44	2210	27	2.19	27	32.3	Clear	No Odor
11:06	3	500	mL/min	142.42	7.19	1.67	2.1	3066	27	1.63	27.6	39	Clear	No Odor
11:09	6	500	mL/min	142.42	7.2	2.1	2.58	3974	25	1.83	27.9	39.7	Clear	No Odor
11:12	9	500	mL/min	142.42	7.21	2.1	2.59	3995	25	1.87	27.7	41.7	Clear	No Odor
11:15	12	500	mL/min	142.42	7.22	2.09	2.58	3973	25	1.99	27.9	43.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020), Molybdenum, dissolved (SW 6020), Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
25	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-65-225	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	215-225	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	142.2	Total Depth (ft-bmp):	225.34	Water Column(ft):	83.14	Liters in Well:	51.36
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	220	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	10:09	Total Volume Purged (liters):	10	Sample ID:	MW-65-225-Q125	Sample Time:	10:30
Purge End Time:	10:29	Well Volumes Purged (total):	0.19	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:09	0	500	mL/min	142.2	8.12	3.83	4.55	7257	19	3.68	26.4	55.8	Clear	No Odor
10:13	4	500	mL/min	142.29	8.07	4.74	5.58	8591	24	3.46	26.3	63.1	Clear	No Odor
10:17	8	500	mL/min	142.29	8.01	4.78	5.58	8608	21	3.36	26.3	66.9	Clear	No Odor
10:21	12	500	mL/min	142.29	7.98	4.78	5.58	8611	16	3.33	26.4	68.2	Clear	No Odor
10:25	16	500	mL/min	142.29	7.97	4.78	5.59	8614	15	3.38	26.4	70.1	Clear	No Odor
10:29	20	500	mL/min	142.29	7.97	4.78	5.59	8615	15	3.35	26.4	70.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-67-185	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:81.41 °F, rH:9%, Clouds: 0%, Wind:28.97mph N-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	177-187	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	171.73	Total Depth (ft-bmp):	186.7	Water Column(ft):	14.97	Liters in Well:	9.25
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	182	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	11:50	Total Volume Purged (liters):	7.5	Sample ID:	MW-67-185-Q125	Sample Time:	12:06
Purge End Time:	12:05	Well Volumes Purged (total):	0.81	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:53	0	500	mL/min	171.75	7.21	2.54	3.1	4780	31	0.96	28.1	44.9	Clear	No Odor
11:56	3	500	mL/min	171.75	7.22	2.55	3.1	4782	29	0.82	28.1	44.4	Clear	No Odor
11:59	6	500	mL/min	171.75	7.23	2.55	3.1	4781	29	0.8	27.9	40.7	Clear	No Odor
12:02	9	500	mL/min	171.75	7.23	2.54	3.1	4767	28	0.76	28	38.6	Clear	No Odor
12:05	12	500	mL/min	171.75	7.23	2.54	3.1	4771	28	0.74	28	38.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020),Manganese, dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
28	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-68-180	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:80.26 °F, rH:15%, Clouds: 0%, Wind:24.16mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	165-180	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	166.8	Total Depth (ft-bmp):	180.01	Water Column(ft):	13.21	Liters in Well:	8.16
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	174	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:41	Total Volume Purged (liters):	7.5	Sample ID:	MW-68-180-Q125	Sample Time:	12:57
Purge End Time:	12:56	Well Volumes Purged (total):	0.92	Replicate Type / Replicate ID:	Equipment Blank / EB-734-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:44	0	500	mL/min	166.82	7.24	2.52	3.07	4718	19	2.51	28.3	58.5	Clear	No Odor
12:47	3	500	mL/min	166.82	7.24	2.58	3.14	4839	17	2.46	28.3	64	Clear	No Odor
12:50	6	500	mL/min	166.82	7.25	2.58	3.15	4849	15	2.45	28.2	66.6	Clear	No Odor
12:53	9	500	mL/min	166.82	7.25	2.57	3.14	4832	15	2.46	28.2	68	Clear	No Odor
12:56	12	500	mL/min	166.82	7.25	2.56	3.13	4812	15	2.46	28.4	68.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-69-195	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny, Windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	176-196	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	176.56	Total Depth (ft-bmp):	195.58	Water Column(ft):	19.02	Liters in Well:	11.75
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	187	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	11:07	Total Volume Purged (liters):	10	Sample ID:	MW-69-195-Q125	Sample Time:	11:28
Purge End Time:	11:27	Well Volumes Purged (total):	0.85	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:07	0	500	mL/min	176.56	7.49	1.48	1.87	2970	88	3.84	30.2	48.5	Clear	No Odor
11:11	4	500	mL/min	176.62	7.53	1.5	1.89	3085	60	2.93	30.3	53.2	Clear	No Odor
11:15	8	500	mL/min	176.62	7.56	1.51	1.9	3103	53	2.77	30.3	55.1	Clear	No Odor
11:19	12	500	mL/min	176.62	7.56	1.51	1.9	3109	49	2.72	30.4	57.5	Clear	No Odor
11:23	16	500	mL/min	176.62	7.56	1.51	1.9	3112	47	2.71	30.4	57.9	Clear	No Odor
11:27	20	500	mL/min	176.62	7.56	1.51	1.9	3113	47	2.69	30.4	58.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
47	1	2

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-70BR-225	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny	Field Technician:			Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	120-227	Casing Diameter (in):	5	Well Casing Material:	
Static Water Level (ft-bmp):	82.01	Total Depth (ft-bmp):	221.55	Water Column(ft):	139.54	Liters in Well:	538.78
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	175	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	13:35	Total Volume Purged (liters):	10	Sample ID:	MW-70BR-225-Q125	Sample Time:	13:56
Purge End Time:	13:55	Well Volumes Purged (total):	0.02	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:35	0	500	mL/min	82.01	7.89	5.41	6.1	10330	17	2.53	29.1	36.9	Clear	No Odor
13:39	4	500	mL/min	82.09	7.96	6.42	7.37	11335	13	2.27	29.2	30.8	Clear	No Odor
13:43	8	500	mL/min	82.09	8.05	6.99	7.98	12275	8	2.18	29.2	34.9	Clear	No Odor
13:47	12	500	mL/min	82.09	8.06	7	7.99	12309	7	2.11	29.3	37.9	Clear	No Odor
13:51	16	500	mL/min	82.09	8.06	7	7.99	12317	7	2.07	29.3	40.1	Clear	No Odor
13:55	20	500	mL/min	82.09	8.07	7	7.99	12321	7	2.08	29.3	40.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-71-035	Date(s):	2025-02-13	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:61.63 °F, rH:34%, Clouds: 100%, Wind:10.36mph SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	26-36	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	28.43	Total Depth (ft-bmp):	35.13	Water Column(ft):	6.7	Liters in Well:	4.14
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	33	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	09:20	Total Volume Purged (liters):	2.7	Sample ID:	MW-71-035-Q125	Sample Time:	09:36
Purge End Time:	09:35	Well Volumes Purged (total):	0.65	Replicate Type / Replicate ID:	Duplicate / MW-916-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:23	0	500	mL/min	29.04	7.13	4.33	5.09	7747	37	1.65	24.3	57.4	Clear	No Odor
09:26	3	100	mL/min	29.12	7.16	4.09	4.84	7474	32	1.29	25.6	20.6	Clear	No Odor
09:29	6	100	mL/min	29.12	7.19	3.6	4.28	6689	31	2.33	26.1	9.8	Clear	No Odor
09:32	9	100	mL/min	29.12	7.21	3.65	4.34	6675	30	2.44	26	10.7	Clear	No Odor
09:35	12	100	mL/min	29.12	7.22	3.58	4.27	6639	30	2.54	26.1	10.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
30	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-72-080	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:74.44 °F, rH:12%, Clouds: 0%, Wind:23.02mph N-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	60-80	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	58.4	Total Depth (ft-bmp):	79.05	Water Column(ft):	20.65	Liters in Well:	12.76
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	70	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	10:11	Total Volume Purged (liters):	7.5	Sample ID:	MW-72-080-Q125	Sample Time:	10:27
Purge End Time:	10:26	Well Volumes Purged (total):	0.59	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:14	0	500	mL/min	58.42	7.26	8.87	9.91	15240	57	0.7	25.5	-14.6	Clear	No Odor
10:17	3	500	mL/min	58.42	7.28	8.98	10.02	15415	51	0.43	25.7	-15.4	Clear	No Odor
10:20	6	500	mL/min	58.42	7.29	9.04	10.08	15508	49	0.33	25.8	-16.5	Clear	No Odor
10:23	9	500	mL/min	58.42	7.3	9.05	10.09	15525	47	0.28	25.8	-17.3	Clear	No Odor
10:26	12	500	mL/min	58.42	7.3	9.03	10.08	15510	47	0.25	25.9	-18.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, total dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
47	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-75-033	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:77.04 °F, rH:18%, Clouds: 0%, Wind:5.75mph SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	18-33	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	20.07	Total Depth (ft-bmp):	34.79	Water Column(ft):	14.72	Liters in Well:	9.09
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	27	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:57	Total Volume Purged (liters):	7.5	Sample ID:	MW-75-033-Q125	Sample Time:	14:13
Purge End Time:	14:12	Well Volumes Purged (total):	0.83	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:00	0	500	mL/min	20.1	7.11	1.75	2.18	3377	13	1.26	27.1	-2.3	Clear	No Odor
14:03	3	500	mL/min	20.1	7.12	1.7	2.12	3274	6	1.32	27.1	-0.4	Clear	No Odor
14:06	6	500	mL/min	20.1	7.12	1.69	2.11	3246	6	1.34	27.2	1.8	Clear	No Odor
14:09	9	500	mL/min	20.1	7.12	1.68	2.1	3234	6	1.35	27.1	4.1	Clear	No Odor
14:12	12	500	mL/min	20.1	7.13	1.68	2.1	3228	6	1.34	27.2	5.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-75-117	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:76.75 °F, rH:18%, Clouds: 0%, Wind:5.75mph SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	97-117	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	19.92	Total Depth (ft-bmp):	118.11	Water Column(ft):	98.19	Liters in Well:	60.66
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	107	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:38	Total Volume Purged (liters):	7.5	Sample ID:	MW-75-117-Q125	Sample Time:	13:54
Purge End Time:	13:53	Well Volumes Purged (total):	0.12	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:41	0	500	mL/min	19.95	7.06	7.3	8.3	12785	8	0.24	27.2	-20.7	Clear	No Odor
13:44	3	500	mL/min	19.95	7.08	7.03	8.01	12350	8	0.16	27.3	-27.8	Clear	No Odor
13:47	6	500	mL/min	19.95	7.09	6.94	7.92	12186	7	0.13	27.2	-31.1	Clear	No Odor
13:50	9	500	mL/min	19.95	7.1	6.91	7.88	12129	7	0.11	27.2	-32.9	Clear	No Odor
13:53	12	500	mL/min	19.95	7.11	6.89	7.86	12093	7	0.13	27.2	-33.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-75-202	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:73.94 °F, rH:19%, Clouds: 0%, Wind:4.61mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	182-202	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	19.7	Total Depth (ft-bmp):	204.31	Water Column(ft):	184.61	Liters in Well:	114.05
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	192	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:50	Total Volume Purged (liters):	7.5	Sample ID:	MW-75-202-Q125	Sample Time:	13:06
Purge End Time:	13:05	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:53	0	500	mL/min	19.71	6.94	9.48	10.52	16216	14	0.37	26.7	-135.7	Clear	No Odor
12:56	3	500	mL/min	19.71	7	9.84	10.91	16773	12	0.26	26.6	-110.6	Clear	No Odor
12:59	6	500	mL/min	19.71	7.05	9.9	10.97	16865	11	0.21	26.8	-99.3	Clear	No Odor
13:02	9	500	mL/min	19.71	7.08	9.9	10.98	16896	11	0.18	26.6	-95.1	Clear	No Odor
13:05	12	500	mL/min	19.71	7.09	9.89	10.97	16878	11	0.17	26.7	-91.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-75-267	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:76.17 °F, rH:19%, Clouds: 0%, Wind:5.75mph SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	247-267	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	19.3	Total Depth (ft-bmp):	268.5	Water Column(ft):	249.2	Liters in Well:	153.95
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	257	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:15	Total Volume Purged (liters):	7.5	Sample ID:	MW-75-267-Q125	Sample Time:	13:31
Purge End Time:	13:30	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:18	0	500	mL/min	19.33	7	12.54	13.64	20987	14	2.92	26.8	-118.7	Clear	No Odor
13:21	3	500	mL/min	19.33	6.98	12.55	13.65	20987	10	1.41	26.8	-113.1	Clear	No Odor
13:24	6	500	mL/min	19.33	6.99	12.56	13.66	21016	9	1.18	26.8	-112.1	Clear	No Odor
13:27	9	500	mL/min	19.33	7.03	12.56	13.66	21018	9	1.12	26.9	-104.8	Clear	No Odor
13:30	12	500	mL/min	19.33	7.06	12.56	13.66	21021	9	1.08	26.9	-102.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-75-337	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:79.57 °F, rH:15%, Clouds: 0%, Wind:12.66mph SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	317-337	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	21.85	Total Depth (ft-bmp):	338.4	Water Column(ft):	316.55	Liters in Well:	195.56
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	327	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	14:26	Total Volume Purged (liters):	7.5	Sample ID:	MW-75-337-Q125	Sample Time:	14:42
Purge End Time:	14:41	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	Equipment Blank / EB-717-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:29	0	500	mL/min	21.87	7.03	16.71	17.73	27275	15	0.78	26.8	-178.6	Clear	No Odor
14:32	3	500	mL/min	21.87	7.08	16.77	17.79	27367	13	0.51	26.9	-204.9	Clear	No Odor
14:35	6	500	mL/min	21.87	7.11	16.77	17.79	27371	12	0.47	26.9	-186.6	Clear	No Odor
14:38	9	500	mL/min	21.87	7.12	16.78	17.8	27390	12	0.45	26.9	-180.7	Clear	No Odor
14:41	12	500	mL/min	21.87	7.13	16.78	17.8	27383	12	0.44	26.8	-178.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-039	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	24-39	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	28.03	Total Depth (ft-bmp):	38.58	Water Column(ft):	10.55	Liters in Well:	6.52
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:56	Total Volume Purged (liters):	3	Sample ID:	MW-76-039-Q125	Sample Time:	11:12
Purge End Time:	11:11	Well Volumes Purged (total):	0.46	Replicate Type / Replicate ID:	MS/MSD / MW-76-039-Q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:56	0	200	mL/min	28.03	6.78	6.17	7.028	10265	12	0.02	22.1	10.8	Clear	No Odor
10:59	3	200	mL/min	28.03	6.54	6.18	7.085	10355	12	0.02	22.4	7.6	Clear	No Odor
11:02	6	200	mL/min	28.03	6.49	6.14	7.039	10408	12	0.02	23	5.7	Clear	No Odor
11:05	9	200	mL/min	28.03	6.48	6.17	7.065	10377	12	0.02	22.6	4.2	Clear	No Odor
11:08	12	200	mL/min	28.03	6.48	6.17	7.063	10375	12	0.02	22.5	4.9	Clear	No Odor
11:11	15	200	mL/min	28.03	6.48	6.17	7.061	10373	12	0.02	22.4	5.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Iron, dissolved (SW 6020A),Manganese, dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-156	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	136-156	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	27.92	Total Depth (ft-bmp):	155.62	Water Column(ft):	127.7	Liters in Well:	78.89
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:23	Total Volume Purged (liters):	4.8	Sample ID:	MW-76-156-Q125	Sample Time:	10:40
Purge End Time:	10:39	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:23	0	300	mL/min	27.92	6.75	5.64	6.526	9303	8	0.02	21.4	8.9	Clear	No Odor
10:26	3	300	mL/min	27.92	6.53	5.72	6.591	9868	8	0.02	23.5	0.4	Clear	No Odor
10:29	6	300	mL/min	27.92	6.48	5.75	6.623	9919	8	0.02	23.7	-0.8	Clear	No Odor
10:32	9	300	mL/min	27.92	6.49	5.76	6.636	9915	8	0.02	23.5	-2.3	Clear	No Odor
10:36	13	300	mL/min	27.92	6.5	5.76	6.633	9913	8	0.03	23.6	-2.9	Clear	No Odor
10:39	16	300	mL/min	27.92	6.5	5.76	6.635	9911	8	0.03	23.5	-3.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-181	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	171-181	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	27.8	Total Depth (ft-bmp):	182.61	Water Column(ft):	154.81	Liters in Well:	95.64
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	175	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:43	Total Volume Purged (liters):	4.5	Sample ID:	MW-76-181-Q125	Sample Time:	09:59
Purge End Time:	09:58	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:43	0	300	mL/min	27.8	6.76	5.6	6.441	8546	19	0.03	18	6.8	Clear	No Odor
09:46	3	300	mL/min	27.8	6.59	5.76	6.604	9093	19	0.02	19.7	-2.7	Clear	No Odor
09:49	6	300	mL/min	27.8	6.52	5.78	6.636	9371	17	0.02	20.9	-10.8	Clear	No Odor
09:52	9	300	mL/min	27.81	6.47	5.78	6.649	9506	14	0.02	20.9	-15.5	Clear	No Odor
09:55	12	300	mL/min	27.81	6.45	5.78	6.645	9502	14	0.02	20.9	-16.2	Clear	No Odor
09:58	15	300	mL/min	27.81	6.45	5.78	6.642	9500	14	0.03	20.8	-16.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-218	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	198-218	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	27.6	Total Depth (ft-bmp):	219.65	Water Column(ft):	192.05	Liters in Well:	118.64
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	210	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	08:54	Total Volume Purged (liters):	4.5	Sample ID:	MW-76-218-Q125	Sample Time:	09:10
Purge End Time:	09:09	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	Duplicate / MW-917-Q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
08:54	0	300	mL/min	27.6	5.88	5.76	6.571	7193	15	11.69	10.2	16.1	Clear	No Odor
08:57	3	300	mL/min	27.6	6.36	5.84	6.682	8385	13	5.67	15.5	-0.1	Clear	No Odor
09:00	6	300	mL/min	27.61	6.46	5.84	6.688	8608	13	4.09	16.6	-6.9	Clear	No Odor
09:03	9	300	mL/min	27.62	6.55	5.84	6.688	8926	13	2.88	18.1	-12.5	Clear	No Odor
09:06	12	300	mL/min	27.62	6.56	5.84	6.686	8929	13	2.85	18.1	-12.9	Clear	No Odor
09:09	15	300	mL/min	27.62	6.56	5.84	6.689	8928	13	2.84	18.1	-14.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-046	Date(s):	2025-02-10	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	26-46	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	25.55	Total Depth (ft-bmp):	39.43	Water Column(ft):	13.88	Liters in Well:	8.57
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	37	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	14:15	Total Volume Purged (liters):	4.5	Sample ID:	MW-77-046-Q125	Sample Time:	14:31
Purge End Time:	14:30	Well Volumes Purged (total):	0.53	Replicate Type / Replicate ID:	Equipment Blank / EB-710-Q125	Water Quality Meter/ ID:	Hach 2100-P /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:15	0	300	mL/min	25.55	6.79	6.17	7.159	20547	9	2.45	22.7	48.9	Clear	No Odor
14:18	3	300	mL/min	25.55	6.72	6.11	7.026	10666	9	1.11	24.4	43.9	Clear	No Odor
14:21	6	300	mL/min	25.55	6.66	6.11	7.059	10684	9	0.44	24.6	41.9	Clear	No Odor
14:24	9	300	mL/min	25.55	6.65	6.11	7.059	10719	9	0.37	24.8	41.5	Clear	No Odor
14:27	12	300	mL/min	25.55	6.66	6.11	7.055	10715	9	0.35	24.6	43.4	Clear	No Odor
14:30	15	300	mL/min	25.55	6.66	6.11	7.055	10714	9	0.36	24.6	43.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-77-102

Date(s):

2025-02-10

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

clear

Field Technician:

Jyovanny Rebolledo

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

82-102

Casing Diameter (in):

2

Well Casing Material:

Static Water Level (ft-bmp):

25.75

Total Depth (ft-bmp):

104.19

Water Column(ft):

78.44

Liters in Well:

48.46

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

102

Purge Method:

Low Flow

Purging Equipment:

Submersible Pump

Purge Start Time:

13:41

Total Volume Purged (liters):

4.5

Sample ID:

MW-77-102-Q125

Sample Time:

13:57

Purge End Time:

13:56

Well Volumes Purged (total):

0.09

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:41	0	300	mL/min	25.75	6.53	5.86	6.721	9676	16	2.96	21.8	24.5	Clear	No Odor
13:44	3	300	mL/min	25.75	6.42	5.96	6.844	10099	16	1.19	22.9	18.3	Clear	No Odor
13:47	6	300	mL/min	25.75	6.46	6.05	6.942	10286	14	0.87	23.1	25.5	Clear	No Odor
13:50	9	300	mL/min	25.76	6.45	6.08	6.974	10322	14	0.73	23.1	29.8	Clear	No Odor
13:53	12	300	mL/min	25.76	6.46	6.08	6.976	10324	14	0.7	23.1	29.6	Clear	No Odor
13:56	15	300	mL/min	25.76	6.46	6.08	6.975	10322	14	0.72	23.1	30.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-158	Date(s):	2025-02-10	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	137.9-158	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	25.53	Total Depth (ft-bmp):	159.96	Water Column(ft):	134.43	Liters in Well:	83.05
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	156	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	13:00	Total Volume Purged (liters):	4.5	Sample ID:	MW-77-158-Q125	Sample Time:	13:16
Purge End Time:	13:15	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:00	0	300	mL/min	25.53	6.3	5.72	6.578	9654	10	2.14	22.7	14.1	Clear	No Odor
13:03	3	300	mL/min	25.53	6.43	5.72	6.584	9764	10	1.3	23.1	19	Clear	No Odor
13:06	6	300	mL/min	25.53	6.49	5.74	6.61	9892	10	0.85	23.5	30.1	Clear	No Odor
13:09	9	300	mL/min	25.53	6.49	5.76	6.63	9907	10	0.72	23.5	35	Clear	No Odor
13:12	12	300	mL/min	25.53	6.44	5.74	6.631	9936	10	0.71	23.3	35.5	Clear	No Odor
13:15	15	300	mL/min	25.54	6.44	5.74	6.631	9934	10	0.73	23.1	35.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-187	Date(s):	2025-02-10	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	167-187.1	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	25.1	Total Depth (ft-bmp):	188.93	Water Column(ft):	163.83	Liters in Well:	101.21
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	180	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:22	Total Volume Purged (liters):	4.5	Sample ID:	MW-77-187-Q125	Sample Time:	12:38
Purge End Time:	12:37	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:22	0	300	mL/min	25.1	6.9	5.9	6.779	9974	13	7.18	22.9	38.9	Clear	No Odor
12:25	3	300	mL/min	25.1	7.06	5.96	6.831	10107	13	3.47	23	36.8	Clear	No Odor
12:28	6	300	mL/min	25.1	7.12	5.95	6.838	10100	13	2.59	22.9	35.9	Clear	No Odor
12:31	9	300	mL/min	25.11	7.12	5.95	6.825	10100	13	2.24	23.2	35.7	Clear	No Odor
12:34	12	300	mL/min	25.11	7.14	5.95	6.823	10103	13	2.21	23.3	35.9	Clear	No Odor
12:37	15	300	mL/min	25.11	7.15	5.95	6.825	10102	13	2.23	23.3	36.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-78-070	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	50-70	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	48.15	Total Depth (ft-bmp):	71.84	Water Column(ft):	23.69	Liters in Well:	14.64
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	68	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:43	Total Volume Purged (liters):	4.5	Sample ID:	MW-78-070-Q125	Sample Time:	09:59
Purge End Time:	09:58	Well Volumes Purged (total):	0.31	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:43	0	300	mL/min	48.15	6.69	5.79	6.649	9750	10	1.75	22.8	52	Clear	No Odor
09:46	3	300	mL/min	48.15	6.6	5.76	6.643	10084	10	1.05	24.3	49.3	Clear	No Odor
09:49	6	300	mL/min	48.15	6.56	5.74	6.623	10147	10	0.78	24.9	47.7	Clear	No Odor
09:52	9	300	mL/min	48.15	6.54	5.74	6.63	10218	10	0.61	25	48.6	Clear	No Odor
09:55	12	300	mL/min	48.15	6.56	5.72	6.65	10215	10	0.63	25	48.9	Clear	No Odor
09:58	15	300	mL/min	48.15	6.56	5.7	6.651	10214	10	0.65	25.1	48.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-78-142	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	122-142	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	48.2	Total Depth (ft-bmp):	141.5	Water Column(ft):	93.3	Liters in Well:	57.64
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	135	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:09	Total Volume Purged (liters):	4.5	Sample ID:	MW-78-142-Q125	Sample Time:	09:25
Purge End Time:	09:24	Well Volumes Purged (total):	0.08	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:09	0	300	mL/min	48.2	6.2	5.95	6.786	8863	18	8.15	18	65.1	Clear	No Odor
09:12	3	300	mL/min	48.2	6.7	6.28	7.169	9983	17	5.17	20.1	52	Clear	No Odor
09:15	6	300	mL/min	48.21	6.7	6.27	7.163	10191	17	3.32	21.2	46.8	Clear	No Odor
09:18	9	300	mL/min	48.21	6.68	6.3	7.189	10170	17	2.43	20.8	48	Clear	No Odor
09:21	12	300	mL/min	48.21	6.69	6.3	7.189	10173	17	2.41	20.8	48.3	Clear	No Odor
09:24	15	300	mL/min	48.21	6.69	6.31	7.188	10175	17	2.42	20.8	48.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
17	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID: MW-79-058

Date(s): 2025-02-12

Work Order(s): PGE_Topock_2025_Q1_V1_FINAL

Client: Pacific Gas and Electric

Facility: Topock

Facility Location: 515 National Trails Hwy, Needles, CA 92363, US

Area: Default Site

Weather(°F): clear

Field Technician: Jyovanny Rebolledo

Measuring Pt. Description: Top of Inner Casing

Screen Setting (ft-bgs): 48-58

Casing Diameter (in): 2

Well Casing Material:

Static Water Level (ft-bmp): 47

Total Depth (ft-bmp): 59.9

Water Column(ft): 12.9

Liters in Well: 7.97

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp): 55

Purge Method: Low Flow

Purging Equipment: Submersible Pump

Purge Start Time: 10:49

Total Volume Purged (liters): 4.5

Sample ID: MW-79-058-Q125

Sample Time: 11:04

Purge End Time: 11:04

Well Volumes Purged (total): 0.56

Replicate Type / Replicate ID: NA / NA

Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:49	0	300	mL/min	47	6.63	5.67	6.545	9831	12	1.74	24.2	50.4	Clear	No Odor
10:52	3	300	mL/min	47	6.44	5.72	6.597	10083	12	0.73	24.6	42.7	Clear	No Odor
10:55	6	300	mL/min	47	6.44	5.72	6.597	10185	12	0.73	25.1	41.7	Clear	No Odor
10:58	9	300	mL/min	47	6.45	5.72	6.604	10210	12	0.78	25.3	42.2	Clear	No Odor
11:01	12	300	mL/min	47	6.46	5.72	6.603	10213	12	0.72	25.4	42.5	Clear	No Odor
11:04	15	300	mL/min	47	6.46	5.72	6.603	10213	12	0.72	25.4	42.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-79-102	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	92-102	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	47.08	Total Depth (ft-bmp):	104.18	Water Column(ft):	57.1	Liters in Well:	35.28
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:19	Total Volume Purged (liters):	4.5	Sample ID:	MW-79-102-Q125	Sample Time:	10:35
Purge End Time:	10:34	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:19	0	300	mL/min	47.08	6.62	1.47	1.839	2782	6	2.54	21.2	32.2	Clear	No Odor
10:22	3	300	mL/min	47.08	6.39	5.12	5.947	8706	8	0.84	23.2	24.6	Clear	No Odor
10:25	6	300	mL/min	47.08	6.45	5.34	6.201	9173	8	0.77	23.4	27.3	Clear	No Odor
10:28	9	300	mL/min	47.08	6.48	5.54	6.389	9463	8	0.7	23.1	29.4	Clear	No Odor
10:31	12	300	mL/min	47.08	6.49	5.54	6.387	9465	8	0.72	23	29.9	Clear	No Odor
10:34	15	300	mL/min	47.08	6.49	5.54	6.386	9466	8	0.74	23	30.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-80-057	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	47.4-57.4	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	48.55	Total Depth (ft-bmp):	59.21	Water Column(ft):	10.66	Liters in Well:	6.59
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	57	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	13:36	Total Volume Purged (liters):	4.5	Sample ID:	MW-80-057-Q125	Sample Time:	13:52
Purge End Time:	13:51	Well Volumes Purged (total):	0.68	Replicate Type / Replicate ID:	Equipment Blank / EB-714-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:36	0	300	mL/min	48.55	6.71	5.68	6.552	9954	13	1.16	24.4	44.3	Clear	No Odor
13:39	3	300	mL/min	48.55	6.59	5.73	6.61	10182	13	0.79	25.1	41.7	Clear	No Odor
13:42	6	300	mL/min	48.55	6.55	5.71	6.591	10129	13	0.66	25	40	Clear	No Odor
13:45	9	300	mL/min	48.55	6.55	5.68	6.558	10171	13	0.56	25.5	39	Clear	No Odor
13:48	12	300	mL/min	48.55	6.56	5.68	6.556	10173	13	0.56	25.3	39.6	Clear	No Odor
13:51	15	300	mL/min	48.55	6.56	5.68	6.556	10175	13	0.56	25.4	39.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-80-082	Date(s):	2025-02-12	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	67-82	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	48.4	Total Depth (ft-bmp):	83.67	Water Column(ft):	35.27	Liters in Well:	21.79
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	80	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:50	Total Volume Purged (liters):	4.5	Sample ID:	MW-80-082-Q125	Sample Time:	13:06
Purge End Time:	13:05	Well Volumes Purged (total):	0.21	Replicate Type / Replicate ID:	Duplicate / MW-918-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:50	0	300	mL/min	48.4	6.88	1.63	2.028	2971	8	2.91	22.2	45.3	Clear	No Odor
12:53	3	300	mL/min	48.4	6.25	4.22	4.862	6952	9	1.09	24.9	38.9	Clear	No Odor
12:56	6	300	mL/min	48.4	6.48	5.5	6.344	9792	9	0.68	25.3	37	Clear	No Odor
12:59	9	300	mL/min	48.4	6.5	5.59	6.461	9976	9	0.6	25.2	36	Clear	No Odor
13:02	12	300	mL/min	48.4	6.52	5.59	6.463	9979	9	0.62	25.2	36.5	Clear	No Odor
13:05	15	300	mL/min	48.4	6.54	5.59	6.465	9975	9	0.64	25.4	36.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-81-043

Date(s):

2025-02-10

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

clear

Field Technician:

Riggie Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

22.8-42.8

Casing Diameter (in):

2

Well Casing Material:

Static Water Level (ft-bmp):

24.84

Total Depth (ft-bmp):

44.16

Water Column(ft):

19.32

Liters in Well:

11.94

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

34

Purge Method:

Low Flow

Purging Equipment:

Peristaltic Pump

Purge Start Time:

11:54

Total Volume Purged (liters):

7.5

Sample ID:

MW-81-043-Q125

Sample Time:

12:10

Purge End Time:

12:09

Well Volumes Purged (total):

0.63

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:57	0	500	mL/min	24.88	7.05	4.4	5.18	7975	13	0.66	27.8	100.3	Clear	No Odor
12:00	3	500	mL/min	24.88	7.1	4.39	5.18	7964	6	0.54	28.1	87.8	Clear	No Odor
12:03	6	500	mL/min	24.88	7.13	4.39	5.18	7971	5	0.47	27.9	70.6	Clear	No Odor
12:06	9	500	mL/min	24.88	7.15	4.4	5.18	7975	5	0.4	28	66.3	Clear	No Odor
12:09	12	500	mL/min	24.88	7.15	4.39	5.18	7970	5	0.37	28	62.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-81-098

Date(s):

2025-02-10

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

clear

Field Technician:

Riggie Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

78-98

Casing Diameter (in):

2

Well Casing Material:

Static Water Level (ft-bmp):

24.98

Total Depth (ft-bmp):

99.32

Water Column(ft):

74.34

Liters in Well:

45.93

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

88

Purge Method:

Low Flow

Purging Equipment:

Peristaltic Pump

Purge Start Time:

12:20

Total Volume Purged (liters):

7.5

Sample ID:

MW-81-098-Q125

Sample Time:

12:36

Purge End Time:

12:35

Well Volumes Purged (total):

0.16

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:23	0	500	mL/min	25	7.16	4.49	5.28	8118	7	0.55	27.8	-58.7	Clear	No Odor
12:26	3	500	mL/min	25	7.16	4.49	5.28	8130	6	0.53	27.7	-29.8	Clear	No Odor
12:29	6	500	mL/min	25	7.16	4.49	5.28	8122	6	0.58	27.8	-26.1	Clear	No Odor
12:32	9	500	mL/min	25	7.16	4.49	5.29	8132	6	0.54	27.8	-23.9	Clear	No Odor
12:35	12	500	mL/min	25	7.16	4.49	5.29	8133	6	0.57	27.8	-24	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-82-046	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	26-46	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	31.55	Total Depth (ft-bmp):	46	Water Column(ft):	14.45	Liters in Well:	8.93
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	44	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	14:11	Total Volume Purged (liters):	3	Sample ID:	MW-82-046-Q125	Sample Time:	14:27
Purge End Time:	14:26	Well Volumes Purged (total):	0.34	Replicate Type / Replicate ID:	Equipment Blank / EB-712-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:11	0	200	mL/min	31.55	6.52	11.03	12.08	17624	20	0.02	22.3	32.1	Clear	No Odor
14:14	3	200	mL/min	31.55	6.51	11.1	12.15	17774	20	0.02	22.3	24.2	Clear	No Odor
14:17	6	200	mL/min	31.55	6.52	11.02	12.07	17727	18	0.02	22.7	20.9	Clear	No Odor
14:20	9	200	mL/min	31.55	6.52	11.07	12.12	17753	18	0.02	22.5	20.1	Clear	No Odor
14:23	12	200	mL/min	31.55	6.54	11.07	12.1	17755	18	0.03	22.5	20.6	Clear	No Odor
14:26	15	200	mL/min	31.55	6.54	11.07	12.11	17754	18	0.05	22.5	21.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
18	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-82-112	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	92-112	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	31.36	Total Depth (ft-bmp):	114.2	Water Column(ft):	82.84	Liters in Well:	51.18
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	120	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	13:28	Total Volume Purged (liters):	4.5	Sample ID:	MW-82-112-Q125	Sample Time:	13:44
Purge End Time:	13:43	Well Volumes Purged (total):	0.09	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:28	0	300	mL/min	31.36	6.56	6.09	6.981	10302	11	0.02	22.9	33.9	Clear	No Odor
13:31	3	300	mL/min	31.36	6.38	6.22	7.13	10684	11	0.02	23.8	24	Clear	No Odor
13:34	6	300	mL/min	31.36	6.33	6.29	7.202	10880	11	0.02	24.1	18.3	Clear	No Odor
13:37	9	300	mL/min	31.37	6.32	6.34	7.254	10871	11	0.02	23.6	16.3	Clear	No Odor
13:40	12	300	mL/min	31.37	6.33	6.34	7.255	10873	11	0.02	23.5	16.9	Clear	No Odor
13:43	15	300	mL/min	31.37	6.34	6.34	7.253	10871	11	0.02	23.4	16.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-82-168	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	148-168	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	30.21	Total Depth (ft-bmp):	169.82	Water Column(ft):	139.61	Liters in Well:	86.25
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	160	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:55	Total Volume Purged (liters):	4.5	Sample ID:	MW-82-168-Q125	Sample Time:	13:11
Purge End Time:	13:10	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	MS/MSD / MW-82-168-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:55	0	300	mL/min	30.21	6.97	5.79	6.668	9178	12	0.02	19.3	43.8	Clear	No Odor
12:58	3	300	mL/min	30.21	6.56	5.77	6.612	9564	12	0.02	21.8	38.6	Clear	No Odor
13:01	6	300	mL/min	30.21	6.48	5.78	6.649	9670	12	0.02	22	36.4	Clear	No Odor
13:04	9	300	mL/min	30.21	6.46	5.78	6.649	9654	12	0.02	22.1	35.4	Clear	No Odor
13:07	12	300	mL/min	30.22	6.46	5.78	6.645	9656	11	0.02	22.2	35.9	Clear	No Odor
13:10	15	300	mL/min	30.22	6.46	5.78	6.646	9657	11	0.03	22.1	35.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-82-198	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	178-198	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	30.1	Total Depth (ft-bmp):	199.5	Water Column(ft):	169.4	Liters in Well: 104.65	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	193	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	12:16	Total Volume Purged (liters):	4.5	Sample ID:	MW-82-198-Q125	Sample Time:	12:32
Purge End Time:	12:31	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:16	0	300	mL/min	30.1	7.16	6	6.87	9976	16	0.02	22.1	34.5	Clear	No Odor
12:19	3	300	mL/min	30.1	6.82	6.8	6.955	10281	16	0.02	22.9	24.1	Clear	No Odor
12:22	6	300	mL/min	30.1	6.88	6.16	7.059	10365	16	0.02	22.6	24.2	Clear	No Odor
12:25	9	300	mL/min	30.1	7.01	6.16	7.059	10373	16	0.02	22.6	25	Clear	No Odor
12:28	12	300	mL/min	30.1	7.03	6.16	7.057	10375	16	0.03	22.5	25.6	Clear	No Odor
12:31	15	300	mL/min	30.1	7.03	6.16	7.057	10374	15	0.03	22.6	25.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-86-030	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	10-30	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	11.4	Total Depth (ft-bmp):	31.65	Water Column(ft):	20.25	Liters in Well:	12.51
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	28	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:19	Total Volume Purged (liters):	4.5	Sample ID:	MW-86-030-Q125	Sample Time:	11:35
Purge End Time:	11:35	Well Volumes Purged (total):	0.36	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:19	0	300	mL/min	11.4	7.02	0.83	1.066	1540	22	3.05	21.7	43.3	Clear	No Odor
11:22	3	300	mL/min	11.4	6.95	0.79	1.014	1486	22	0.72	22.4	39.1	Clear	No Odor
11:25	6	300	mL/min	11.4	6.9	0.78	1.014	1481	22	0.39	22.5	35	Clear	No Odor
11:28	9	300	mL/min	11.4	6.92	0.78	1.014	1489	22	0.34	22.7	33.3	Clear	No Odor
11:31	12	300	mL/min	11.4	6.94	0.78	1.012	1490	22	0.36	22.6	33.9	Clear	No Odor
11:34	15	300	mL/min	11.4	6.94	0.78	1.012	1491	22	0.34	22.7	34.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
22	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-86-066	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	46-66	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	13.62	Total Depth (ft-bmp):	69.25	Water Column(ft):	55.63	Liters in Well:	34.37
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	67	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:15	Total Volume Purged (liters):	6	Sample ID:	MW-86-066-Q125	Sample Time:	10:31
Purge End Time:	10:30	Well Volumes Purged (total):	0.17	Replicate Type / Replicate ID:	Duplicate / MW-919-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:15	0	400	mL/min	13.62	6.89	5.94	6.818	9729	7	2.23	20.8	20.4	Clear	No Odor
10:18	3	400	mL/min	13.62	6.68	5.81	6.675	9507	7	1.03	21.1	21.4	Clear	No Odor
10:21	6	400	mL/min	13.62	6.66	5.81	6.669	9530	7	0.98	21.3	25.9	Clear	No Odor
10:24	9	400	mL/min	13.62	6.64	5.8	6.662	9520	7	0.95	21.3	29.5	Clear	No Odor
10:27	12	400	mL/min	13.62	6.65	5.8	6.665	9523	7	0.93	21.2	29.9	Clear	No Odor
10:30	15	400	mL/min	13.62	6.65	5.81	6.665	9525	7	0.93	21.3	31.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-86-120	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	100-120	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	14.53	Total Depth (ft-bmp):	123.27	Water Column(ft):	108.74	Liters in Well:	67.18
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	09:41	Total Volume Purged (liters):	4.5	Sample ID:	MW-86-120-Q125	Sample Time:	09:57
Purge End Time:	09:56	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:41	0	300	mL/min	14.53	6.59	7.66	8.736	12291	19	2.38	19.4	18.7	Clear	No Odor
09:44	3	300	mL/min	14.53	6.78	7.19	8.125	11363	19	0.78	20.2	-5.3	Clear	No Odor
09:47	6	300	mL/min	14.53	6.75	7.18	8.131	11487	17	0.61	20.8	-12.1	Clear	No Odor
09:50	9	300	mL/min	14.53	6.73	7.2	8.138	11484	17	0.53	20.7	-15.9	Clear	No Odor
09:53	12	300	mL/min	14.53	6.71	7.21	8.137	11487	17	0.51	20.6	-17.2	Clear	No Odor
09:56	15	300	mL/min	14.53	6.71	7.21	8.137	11486	17	0.52	20.6	-17.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
17	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-86-140

Date(s):

2025-02-19

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

clear

Field Technician:

Jyovanny Rebolledo

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

130-140

Casing Diameter (in):

2

Well Casing Material:

Static Water Level (ft-bmp):

14.53

Total Depth (ft-bmp):

123.27

Water Column(ft):

108.74

Liters in Well:

67.18

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

120

Purge Method:

Low Flow

Purging Equipment:

Peristaltic Pump

Purge Start Time:

09:41

Total Volume Purged (liters):

6

Sample ID:

NA

Sample Time:

NA

Purge End Time:

09:56

Well Volumes Purged (total):

0.09

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:41	0	400	mL/min	14.53	6.95	7.66	8.736	12291	19	2.38	19.4	18.7	Clear	No Odor
09:44	3	400	mL/min	14.53	6.78	7.19	8.125	11363	19	0.78	20.2	-5.3	Clear	No Odor
09:47	6	400	mL/min	14.53	6.75	7.18	8.131	11487	17	0.61	20.8	-12.1	Clear	No Odor
09:50	9	400	mL/min	14.53	6.73	7.2	8.138	11484	17	0.53	20.7	-15.9	Clear	No Odor
09:53	12	400	mL/min	14.53	6.71	7.21	8.137	11487	15	0.51	20.6	-17.2	Clear	No Odor
09:56	15	400	mL/min	14.53	6.71	7.21	8.137	11486	14	0.52	20.6	-17.5	Clear	No Odor

Constituent Sampled

Container

Number

Volume

Preservative

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-86-140	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	130-140	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	14.83	Total Depth (ft-bmp):	143.2	Water Column(ft):	128.37	Liters in Well: 79.3	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	140	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	09:02	Total Volume Purged (liters):	4.5	Sample ID:	MW-86-140-Q125	Sample Time: 09:18	
Purge End Time:	09:17	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:02	0	300	mL/min	14.83	6.69	9.15	10.14	13584	13	6.39	18.4	16.3	Clear	No Odor
09:05	3	300	mL/min	14.83	6.63	10.56	10.58	15453	13	4.84	18.2	-21.7	Clear	No Odor
09:08	6	300	mL/min	14.83	6.65	10.65	11.67	15654	13	3.39	18.3	-46.7	Clear	No Odor
09:11	9	300	mL/min	14.83	6.62	10.68	11.7	15724	13	1.76	18.4	-69	Clear	No Odor
09:14	12	300	mL/min	14.83	6.63	10.68	11.702	15724	13	1.75	18.9	-69.09	Clear	No Odor
09:17	15	300	mL/min	14.83	6.63	10.69	11.702	15727	13	1.72	18.9	-69.05	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-90-031	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	21.5-31.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	5.91	Total Depth (ft-bmp):	31.38	Water Column(ft):	25.47	Liters in Well:	15.73
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	28	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:22	Total Volume Purged (liters):	3	Sample ID:	MW-90-031-Q125	Sample Time:	13:38
Purge End Time:	13:37	Well Volumes Purged (total):	0.19	Replicate Type / Replicate ID:	Equipment Blank / EB-724-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:22	0	200	mL/min	5.91	6.28	10.31	11.32	16511	16	1.36	22.9	44.2	Clear	No Odor
13:25	3	200	mL/min	5.91	6.17	11.09	12.14	18125	16	0.54	23.5	35.8	Clear	No Odor
13:28	6	200	mL/min	5.91	6.14	11.63	12.69	19045	16	0.51	23.7	30.7	Clear	No Odor
13:31	9	200	mL/min	5.91	6.14	11.69	12.75	19149	16	0.54	23.8	19.8	Clear	No Odor
13:34	12	200	mL/min	5.91	6.15	11.69	12.751	19147	16	0.55	23.7	19.6	Clear	No Odor
13:37	15	200	mL/min	5.91	6.15	11.69	12.751	19147	16	0.55	23.7	19.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
16	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID: MW-94-030

Date(s): 2025-02-18

Work Order(s): PGE_Topock_2025_Q1_V1_FINAL

Client: Pacific Gas and Electric

Facility: Topock

Facility Location: 515 National Trails Hwy, Needles, CA 92363, US

Area: Default Site

Weather(°F): CLEAR, T:70.38 °F, rH:19%, Clouds: 0%, Wind:24.16mph N

Field Technician: Riggie Tep

Measuring Pt. Description: Top of Inner Casing

Screen Setting (ft-bgs): 10-30

Casing Diameter (in): 2

Well Casing Material:

Static Water Level (ft-bmp): 12.16

Total Depth (ft-bmp): 32.6

Water Column(ft): 20.44

Liters in Well: 12.63

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp): 22

Purge Method: Low Flow

Purging Equipment: Peristaltic Pump

Purge Start Time: 10:13

Total Volume Purged (liters): 7.5

Sample ID: MW-94-030-Q125

Sample Time: 10:29

Purge End Time: 10:28

Well Volumes Purged (total): 0.59

Replicate Type / Replicate ID: NA / NA

Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:16	0	500	mL/min	12.18	7.35	0.72	0.94	1455	17	3.67	31.2	45.1	Clear	No Odor
10:19	3	500	mL/min	12.18	7.36	0.72	0.94	1452	13	3.58	31.3	47.2	Clear	No Odor
10:22	6	500	mL/min	12.18	7.38	0.72	0.94	1448	12	3.57	31.4	48.8	Clear	No Odor
10:25	9	500	mL/min	12.18	7.38	0.72	0.94	1450	12	3.53	31.4	50.7	Clear	No Odor
10:28	12	500	mL/min	12.18	7.4	0.72	0.94	1448	12	3.52	31.5	50.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl
Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used		
12	1	1		

ft-bmp = feet below measuring point

in = inches

ft = feet

mL/min = milliliters per minute

uS/cm = microSiemens per centimeter

NTU = Nephelometric Turbidity Unit

mg/L = milligrams per liter

S.U = standard units

mS/cm = milliSiemens per centimeter

mV = millivolts

°F = degrees Fahrenheit

°C = degrees Celsius

gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-94-100	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:70.59 °F, rH:19%, Clouds: 0%, Wind:24.16mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	70-100	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	11.88	Total Depth (ft-bmp):	102.6	Water Column(ft):	90.72	Liters in Well:	56.05
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	85	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	10:38	Total Volume Purged (liters):	7.5	Sample ID:	MW-94-100-Q125	Sample Time:	10:54
Purge End Time:	10:53	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:41	0	500	mL/min	11.9	7.49	0.72	0.95	1465	23	1.58	32.1	34	Clear	No Odor
10:44	3	500	mL/min	11.9	7.5	0.74	0.96	1486	20	1.54	32.4	34.7	Clear	No Odor
10:47	6	500	mL/min	11.9	7.53	0.73	0.95	1471	17	1.51	32.3	34.9	Clear	No Odor
10:50	9	500	mL/min	11.9	7.55	0.73	0.95	1469	17	1.52	32.5	35.1	Clear	No Odor
10:53	12	500	mL/min	11.9	7.56	0.73	0.95	1475	17	1.5	32.6	35.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
17	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-94-175	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:73.31 °F, rH:17%, Clouds: 0%, Wind:27.63mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	155-175	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	10.59	Total Depth (ft-bmp):	177	Water Column(ft):	166.41	Liters in Well:	102.8
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	165	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:06	Total Volume Purged (liters):	7.5	Sample ID:	MW-94-175-Q125	Sample Time:	11:22
Purge End Time:	11:21	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	Equipment Blank / EB-720-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:09	0	500	mL/min	10.6	7.57	0.46	0.61	953	27	1.74	31.9	32.5	Clear	No Odor
11:12	3	500	mL/min	10.6	7.61	0.46	0.61	952	24	1.71	31.7	34	Clear	No Odor
11:15	6	500	mL/min	10.6	7.64	0.46	0.61	950	22	1.7	32.3	33.8	Clear	No Odor
11:18	9	500	mL/min	10.6	7.65	0.46	0.61	947	22	1.71	32.2	34.4	Clear	No Odor
11:21	12	500	mL/min	10.6	7.67	0.46	0.61	946	22	1.67	32.3	34.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
22	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-96-045	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Clear, windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	25-45	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	30.22	Total Depth (ft-bmp):	46.81	Water Column(ft):	16.59	Liters in Well:	10.25
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	37	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	13:49	Total Volume Purged (liters):	10	Sample ID:	MW-96-045-Q125	Sample Time:	14:10
Purge End Time:	14:09	Well Volumes Purged (total):	0.98	Replicate Type / Replicate ID:	Equipment Blank / EB-725-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:49	0	500	mL/min	30.22	7.68	7.13	8.1	12770	39	1.74	28.5	41.7	Clear	No Odor
13:53	4	500	mL/min	30.28	7.65	7.13	8.1	12765	22	1.71	28.1	49.1	Clear	No Odor
13:57	8	500	mL/min	30.28	7.64	7.13	8.1	12760	15	1.59	28.2	52.2	Clear	No Odor
14:01	12	500	mL/min	30.28	7.62	7.13	8.1	12753	13	1.55	28.2	54.1	Clear	No Odor
14:05	16	500	mL/min	30.28	7.62	7.13	8.1	12751	12	1.54	28.2	54.9	Clear	No Odor
14:09	20	500	mL/min	30.28	7.61	7.13	8.1	12755	12	1.57	28.3	55.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-96-217	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Clear, windy			Field Technician:	Nara Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	197-217	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	30.41	Total Depth (ft-bmp):	218.6	Water Column(ft):	188.19	Liters in Well:	116.26
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	207	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:54	Total Volume Purged (liters):	10	Sample ID:	MW-96-217-Q125	Sample Time:	13:12
Purge End Time:	13:14	Well Volumes Purged (total):	0.09	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:54	0	500	mL/min	30.41	7.79	11.45	12.57	19360	19	1.38	27.3	33.9	Clear	No Odor
12:58	4	500	mL/min	30.5	7.74	11.44	12.56	19328	15	1.31	27.7	30.9	Clear	No Odor
13:02	8	500	mL/min	30.5	7.72	11.44	12.56	19322	10	1.25	27.8	28.3	Clear	No Odor
13:06	12	500	mL/min	30.5	7.72	11.44	12.56	19320	8	1.22	27.8	25.9	Clear	No Odor
13:10	16	500	mL/min	30.5	7.71	11.44	12.56	19314	8	1.25	27.8	25.4	Clear	No Odor
13:14	20	500	mL/min	30.5	7.71	11.44	12.56	19311	8	1.26	27.8	23.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-97-042	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	22.3-42.3	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	28.4	Total Depth (ft-bmp):	41.93	Water Column(ft):	13.53	Liters in Well:	8.36
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	38	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	14:05	Total Volume Purged (liters):	4.5	Sample ID:	MW-97-042-Q125	Sample Time:	14:20
Purge End Time:	14:20	Well Volumes Purged (total):	0.54	Replicate Type / Replicate ID:	Equipment Blank / EB-718-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:05	0	300	mL/min	28.4	6.59	4.56	5.674	9890	13	2.9	26.9	53.6	Clear	No Odor
14:08	3	300	mL/min	28.4	6.71	2.76	5.386	5581	13	2.7	27.2	56.8	Clear	No Odor
14:11	6	300	mL/min	28.4	6.75	2.36	5.899	4680	13	2.61	27	58.4	Clear	No Odor
14:14	9	300	mL/min	28.41	6.78	2.25	2.762	4420	13	2.36	27	58.8	Clear	No Odor
14:17	12	300	mL/min	28.41	6.79	2.25	2.765	4423	13	2.34	27	59.3	Clear	No Odor
14:20	15	300	mL/min	28.41	6.79	2.25	2.764	4424	13	2.33	27.1	59.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-97-202	Date(s):	2025-02-17	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	191.3-201.3	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	28.4	Total Depth (ft-bmp):	200.92	Water Column(ft):	172.52	Liters in Well:	106.58
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	190	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	13:43	Total Volume Purged (liters):	7.5	Sample ID:	MW-97-202-Q125	Sample Time:	13:59
Purge End Time:	13:59	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:43	0	500	mL/min	28.4	6.59	7.16	8.086	12258	8	3.7	28.6	54.6	Clear	No Odor
13:46	3	500	mL/min	28.4	6.05	11.96	13.01	121217	8	1.18	29.4	21.4	Clear	No Odor
13:49	6	500	mL/min	28.4	5.96	12.44	13.59	22764	8	0.57	29.7	8.9	Clear	No Odor
13:52	9	500	mL/min	28.4	5.92	12.57	13.72	22956	8	0.4	29.6	0.5	Clear	No Odor
13:55	12	500	mL/min	28.4	5.94	12.57	13.7	22953	8	0.42	29.7	0.52	Clear	No Odor
13:58	15	500	mL/min	28.4	5.93	12.57	13.7	22955	8	0.43	29.6	0.53	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-99-060	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:56.98 °F, rH:30%, Clouds: 0%, Wind:9.22mph W-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	40-60	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	45.81	Total Depth (ft-bmp):	61.33	Water Column(ft):	15.52	Liters in Well:	9.59
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	53	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	07:53	Total Volume Purged (liters):	7.5	Sample ID:	MW-99-060-Q125	Sample Time:	08:09
Purge End Time:	08:08	Well Volumes Purged (total):	0.78	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
07:56	0	500	mL/min	45.83	7.36	1.13	1.44	2221	52	0.93	27.3	-127.6	Clear	No Odor
07:59	3	500	mL/min	45.83	7.42	1.13	1.44	2218	46	0.66	27.9	-144.2	Clear	No Odor
08:02	6	500	mL/min	45.83	7.47	1.13	1.44	2223	44	0.56	28.3	-142.8	Clear	No Odor
08:05	9	500	mL/min	45.83	7.46	1.13	1.44	2221	43	0.55	28.4	-138.3	Clear	No Odor
08:08	12	500	mL/min	45.83	7.42	1.13	1.44	2221	43	0.54	28.4	-133.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
43	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-99-140

Date(s):

2025-02-20

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

CLEAR, T:62.65 °F, rH:24%, Clouds: 0%, Wind:5.75mph W-NW

Field Technician:

Riggie Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

120-140

Casing Diameter (in):

2

Well Casing Material:

Static Water Level (ft-bmp):

46.4

Total Depth (ft-bmp):

141.44

Water Column(ft):

95.04

Liters in Well:

58.71

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

130

Purge Method:

Low Flow

Purging Equipment:

Portable Bladder

Purge Start Time:

08:29

Total Volume Purged (liters):

7.5

Sample ID:

MW-99-140-Q125

Sample Time:

08:45

Purge End Time:

08:44

Well Volumes Purged (total):

0.13

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
08:32	0	500	mL/min	46.42	7.48	0.88	1.14	1758	49	2.39	28	40.7	Clear	No Odor
08:35	3	500	mL/min	46.42	7.5	0.86	1.11	1710	41	2.31	28.9	38.2	Clear	No Odor
08:38	6	500	mL/min	46.42	7.49	0.85	1.1	1702	39	2.21	29.1	37.6	Clear	No Odor
08:41	9	500	mL/min	46.42	7.5	0.85	1.1	1700	38	2.12	29.2	36.8	Clear	No Odor
08:44	12	500	mL/min	46.42	7.51	0.86	1.1	1701	38	2.09	29	36.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
38	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MWP-08	Date(s):	2025-02-26	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	182.65	Total Depth (ft-bmp):	209.34	Water Column(ft):	26.69	Gallons in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	205	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	07:29	Total Volume Purged (gallons):	210	Sample ID:	MWP-08-Q125	Sample Time:	08:30
Purge End Time:	15:29	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna 991301 Multi /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
07:39	0	0.5	gpm	182.65	6.63	5.92	6.831	10840	25	7.75	26.7	72.4	Clear	No Odor
07:49	10	0.5	gpm	182.65	6.62	5.92	6.778	10800	25	7.68	26.7	72.4	Clear	No Odor
07:59	20	0.5	gpm	182.65	6.65	5.9	6.775	10798	25	7.53	26.7	72.2	Clear	No Odor
08:09	30	0.5	gpm	182.66	6.68	5.82	6.769	10762	25	6.85	26.7	70.6	Clear	No Odor
08:19	40	0.5	gpm	182.66	6.69	5.85	6.769	10759	25	6.68	26.7	71.5	Clear	No Odor
08:29	50	0.5	gpm	182.66	6.7	5.85	6.767	10758	25	6.66	26.5	71.2	Clear	No Odor
09:29	110	0.5	gpm	182.66	6.64	5.88	6.786	10795	25	6.09	26.8	71.1	Clear	No Odor
10:29	170	0.5	gpm	182.66	6.65	5.98	6.89	11050	25	6.03	27.2	73	Clear	No Odor
11:29	230	0.5	gpm	182.66	6.66	6.01	6.922	11142	25	6.39	27.5	67.9	Clear	No Odor
12:29	290	0.5	gpm	182.66	6.63	6	6.916	11151	22	6.22	27.5	69.3	Clear	No Odor
13:29	350	0.5	gpm	182.66	6.63	6.05	6.968	11231	20	6.18	27.5	69.2	Clear	No Odor
14:29	410	0.5	gpm	182.66	6.63	6.03	6.97	11233	20	6.15	27.5	69.5	Clear	No Odor
15:29	470	0.5	gpm	182.66	6.64	6.03	6.97	11236	20	6.14	27.6	69.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Alkalinity, total as CaCO3 (SM 2320 B),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Specific conductance (EPA 120.1),Sulfate (EPA 300.0),Total dissolved solids (SM 2540 C)	Plastic	1	1 L	None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Calcium, dissolved (SW 6010B), Magnesium, dissolved (SW 6020A), Potassium, dissolved (SW 6020), Sodium, dissolved (SW 6020), Title 22 metals, dissolved (SW 6020)

Total Phosphorus (365.3)

Plastic

1

500 mL

HNO3

Plastic

1

8 ounces

H2SO4

Pre-Filter Turbidity

25

20

Post-Filter Turbidity

1

1

Number of Filters Used

1

1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PGE-09N	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:66.63 °F, rH:23%, Clouds: 0%, Wind:6.91mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	25-95	Casing Diameter (in):	12	Well Casing Material:	
Static Water Level (ft-bmp):	8.56	Total Depth (ft-bmp):	95	Water Column(ft):	86.44	Gallons in Well:	507.85
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	55	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	09:14	Total Volume Purged (gallons):	60	Sample ID:	PGE-09N-Q125	Sample Time:	09:35
Purge End Time:	09:34	Well Volumes Purged (total):	0.12	Replicate Type / Replicate ID:	Duplicate / MW-920-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:18	0	3	gpm	8.8	7.4	7.53	8.5	13084	16	0.37	23	-197.4	Clear	No Odor
09:22	4	3	gpm	8.8	7.33	7.46	8.42	12957	13	0.23	23	-197.1	Clear	No Odor
09:26	8	3	gpm	8.8	7.29	7.34	8.3	12779	7	0.17	23	-193.3	Clear	No Odor
09:30	12	3	gpm	8.8	7.28	7.25	8.21	12635	7	0.15	22.9	-191.7	Clear	No Odor
09:34	16	3	gpm	8.8	7.28	7.15	8.1	12462	7	0.13	22.9	-191.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	2	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	2	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	2	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	2	500 mL	None
Total organic carbon (SW 9060A)	Plastic	2	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PGE-09S	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:67.05 °F, rH:23%, Clouds: 0%, Wind:6.91mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	30-100	Casing Diameter (in):	12	Well Casing Material:	
Static Water Level (ft-bmp):	8.53	Total Depth (ft-bmp):	100	Water Column(ft):	91.47	Gallons in Well:	537.41
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	65	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	09:54	Total Volume Purged (gallons):	60	Sample ID:	PGE-09S-Q125	Sample Time:	10:15
Purge End Time:	10:14	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	Equipment Blank / EB-726-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:58	0	3	gpm	8.72	7.3	6.91	7.85	12094	12	0.28	22.4	-195.4	Clear	No Odor
10:02	4	3	gpm	8.72	7.29	6.85	7.78	11978	6	0.19	22.5	-194.4	Clear	No Odor
10:06	8	3	gpm	8.72	7.27	6.78	7.71	11856	6	0.13	22.5	-192.7	Clear	No Odor
10:10	12	3	gpm	8.72	7.22	6.75	7.68	11812	6	0.11	22.5	-191.8	Clear	No Odor
10:14	16	3	gpm	8.72	7.24	6.75	7.67	11791	6	0.09	22.5	-190.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT5D	Date(s):	2025-02-10	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:70.03 °F, rH:14%, Clouds: 0%, Wind:4.61mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	95-105	Casing Diameter (in):	Well Casing Material:	
Static Water Level (ft-bmp):	21.2	Total Depth (ft-bmp):	107.17	Water Column(ft):	85.97	Liters in Well:
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	13:32	Total Volume Purged (liters):	7.5	Sample ID:	PT5D-Q125	Sample Time: 13:48
Purge End Time:	13:47	Well Volumes Purged (total):		Replicate Type / Replicate ID:	Equipment Blank / EB-709-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:35	0	500	mL/min	21.22	6.96	4.17	4.91	7569	10	0.3	22.7	-75.9	Clear	No Odor
13:38	3	500	mL/min	21.22	6.93	4.16	4.89	7521	7	0.19	22.7	-52.6	Clear	No Odor
13:41	6	500	mL/min	21.22	6.89	4.15	4.88	7514	5	0.14	22.6	-39.8	Clear	No Odor
13:44	9	500	mL/min	21.22	6.87	4.14	4.87	7501	5	0.13	22.7	-33.8	Clear	No Odor
13:47	12	500	mL/min	21.22	6.85	4.13	4.86	7485	5	0.12	22.6	-30.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT5M	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	60-70	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	20	Total Depth (ft-bmp):	72.82	Water Column(ft):	52.82	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	70	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:50	Total Volume Purged (liters):	6	Sample ID:	PT5M-Q125	Sample Time:	10:06
Purge End Time:	10:05	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:50	0	400	mL/min	20	6.87	4.73	5.518	8042	18	0.02	23.3	53.9	Clear	No Odor
09:53	3	400	mL/min	20	6.62	4.88	5.687	8458	18	0.02	23.2	49.2	Clear	No Odor
09:56	6	400	mL/min	20	6.56	4.89	5.694	8464	18	0.02	23.2	47.6	Clear	No Odor
09:59	9	400	mL/min	20	6.53	4.9	5.7	8478	18	0.02	23.3	46.6	Clear	No Odor
10:02	12	400	mL/min	20	6.55	4.9	5.702	8479	18	0.03	23.3	46.9	Clear	No Odor
10:05	15	400	mL/min	20	6.55	4.9	5.701	8477	18	0.03	23.4	47.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
18	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT5S	Date(s):	2025-02-18	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Jyovanny Rebolledo		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	35-45	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	19.75	Total Depth (ft-bmp):	47.69	Water Column(ft):	27.94	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	45	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:24	Total Volume Purged (liters):	6	Sample ID:	PT5S-Q125	Sample Time:	09:40
Purge End Time:	09:39	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:24	0	400	mL/min	19.75	6.95	0.72	0.926	1343	12	0.02	21.8	63.1	Clear	No Odor
09:27	3	400	mL/min	19.75	7.05	0.74	0.955	1388	12	0.02	22.2	55.6	Clear	No Odor
09:30	6	400	mL/min	19.75	7.06	0.78	1.014	1470	12	0.02	22.2	48.8	Clear	No Odor
09:33	9	400	mL/min	19.75	7.04	0.81	1.046	1534	12	0.02	22.7	40.3	Clear	No Odor
09:36	12	400	mL/min	19.75	7.03	0.81	1.043	1536	12	0.03	22.8	40.9	Clear	No Odor
09:39	15	400	mL/min	19.75	7.03	0.81	1.041	1537	12	0.03	22.9	42.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

µS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT6D	Date(s):	2025-02-10	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	95-105	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	23.9	Total Depth (ft-bmp):	106.15	Water Column(ft):	82.25	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:52	Total Volume Purged (liters):	7.5	Sample ID:	PT6D-Q125	Sample Time:	13:08
Purge End Time:	13:07	Well Volumes Purged (total):		Replicate Type / Replicate ID:	Duplicate / MW-921-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:55	0	500	mL/min	23.95	7.08	3.58	4.25	6541	11	0.32	23.6	-40.2	Clear	No Odor
12:58	3	500	mL/min	23.95	7.05	3.57	4.24	6537	9	0.22	23.5	-19.4	Clear	No Odor
13:01	6	500	mL/min	23.95	7.02	3.57	4.24	6531	8	0.15	23.5	-5.6	Clear	No Odor
13:04	9	500	mL/min	23.95	7.01	3.57	4.24	6528	8	0.14	23.5	-2	Clear	No Odor
13:07	12	500	mL/min	23.95	7	3.57	4.24	6530	8	0.13	23.5	2.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PTI-1D	Date(s):	2025-02-20	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:76.95 °F, rH:15%, Clouds: 0%, Wind:19.57mph N			Field Technician:	Daniel Garcia, Cameron Stone, Derek Wagstaff		
Measuring Pt. Description:	Top of Outer Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):		Well Casing Material:	
Static Water Level (ft-bmp):		Total Depth (ft-bmp):		Water Column(ft):		Gallons in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):		Purge Method:		Purging Equipment:	
Purge Start Time:		Total Volume Purged (gallons):		Sample ID:	PTI-1D-Q125	Sample Time:	13:35
Purge End Time:		Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
13:35	0				7.12	8278	4.4	0.71	27.2	29.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron (SW 6010B)	Plastic	1	500 mL	HNO3
Iron, dissolved (SW 6020A),Manganese, dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4.4	2.2	1

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	Site B-165	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:67.59 °F, rH:22%, Clouds: 0%, Wind:8.05mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	14	Well Casing Material:	
Static Water Level (ft-bmp):	23.43	Total Depth (ft-bmp):	320	Water Column(ft):	296.57	Gallons in Well:	2371.61
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	165	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	10:07	Total Volume Purged (gallons):	60	Sample ID:	Site B-165-Q125	Sample Time:	10:28
Purge End Time:	10:27	Well Volumes Purged (total):	0.03	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:11	0	3	gpm	23.53	7.68	0.61	0.8	1238	25	2.17	29.9	37.2	Clear	No Odor
10:15	4	3	gpm	23.53	7.73	0.61	0.8	1239	20	1.97	30.2	41.7	Clear	No Odor
10:19	8	3	gpm	23.53	7.76	0.61	0.8	1238	18	1.87	30.4	42.7	Clear	No Odor
10:23	12	3	gpm	23.53	7.79	0.61	0.8	1238	18	1.83	30.3	42.8	Clear	No Odor
10:27	16	3	gpm	23.53	7.8	0.61	0.8	1239	18	1.82	30.4	42.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
18	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	Site B-220	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:68.09 °F, rH:21%, Clouds: 0%, Wind:8.05mph N			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	14	Well Casing Material:	
Static Water Level (ft-bmp):	23.43	Total Depth (ft-bmp):	320	Water Column(ft):	296.57	Gallons in Well:	2371.61
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	220	Purge Method:	Volumetric	Purging Equipment:	Submersible Pump
Purge Start Time:	10:38	Total Volume Purged (gallons):	60	Sample ID:	Site B-220-Q125	Sample Time:	10:59
Purge End Time:	10:58	Well Volumes Purged (total):	0.03	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:42	0	3	gpm	23.53	7.78	0.59	0.77	1196	34	1.79	30.2	44.3	Clear	No Odor
10:46	4	3	gpm	23.53	7.82	0.59	0.77	1196	15	2.35	30.5	46.3	Clear	No Odor
10:50	8	3	gpm	23.53	7.85	0.59	0.77	1197	14	2.33	30.6	47.7	Clear	No Odor
10:54	12	3	gpm	23.53	7.84	0.59	0.77	1197	14	2.39	30.5	49	Clear	No Odor
10:58	16	3	gpm	23.53	7.86	0.59	0.77	1197	14	2.44	30.5	49.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	Site B-285	Date(s):	2025-02-19	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:70.21 °F, rH:21%, Clouds: 0%, Wind:10.36mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:	
Static Water Level (ft-bmp):	23.43	Total Depth (ft-bmp):	320	Water Column(ft):	296.57	Gallons in Well:
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	285	Purge Method:	Volumetric	Purging Equipment: Submersible Pump
Purge Start Time:	11:08	Total Volume Purged (gallons):	60	Sample ID:	Site B-285-Q125	Sample Time: 11:29
Purge End Time:	11:28	Well Volumes Purged (total):		Replicate Type / Replicate ID:	Equipment Blank / EB-723-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:12	0	3	gpm	23.53	7.82	0.61	0.8	1238	40	2.87	30.3	49.3	Clear	No Odor
11:16	4	3	gpm	23.53	7.85	0.61	0.8	1238	13	4.22	30.3	54.9	Clear	No Odor
11:20	8	3	gpm	23.53	7.86	0.61	0.8	1241	11	4.21	30.5	57	Clear	No Odor
11:24	12	3	gpm	23.53	7.87	0.61	0.8	1238	11	4.18	30.5	58	Clear	No Odor
11:28	16	3	gpm	23.53	7.87	0.61	0.8	1240	11	4.27	30.5	58.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Calcium (SW 6020A),Magnesium (SW 6020A),Potassium (SW 6020A),Sodium (SW 6020A)	Plastic	1	250 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	125 mL	(NH4)2SO4/NaOH
Deuterium (CFIRM),Oxygen 18 (CFIRM)	Plastic	1	250 mL	None
Mercury, dissolved (EPA 7470A),Title 22 metals, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Sulfate (EPA 300.0),Chloride (EPA 300.0),Fluoride (EPA 300.0),Nitrate as N (EPA 300.0),Alkalinity, total as CaCO3 (SM 2320 B),Total dissolved solids (SM 2540 C)	Plastic	1	500 mL	None
Total organic carbon (SW 9060A)	Plastic	1	125 mL	HCl

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-02D	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:58.08 °F, rH:35%, Clouds: 0%, Wind:14.97mph W-SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	113-148	Casing Diameter (in):	6	Well Casing Material:	
Static Water Level (ft-bmp):	40.78	Total Depth (ft-bmp):	149.61	Water Column(ft):	108.83	Gallons in Well:	159.85
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	135	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:38	Total Volume Purged (gallons):	20	Sample ID:	TW-02D-Q125	Sample Time:	09:59
Purge End Time:	09:58	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	Duplicate / MW-923-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:42	0	1	gpm	40.8	7.55	4.55	5.35	8216	7	0.23	28	35.3	Clear	No Odor
09:46	4	1	gpm	40.8	7.57	4.55	5.35	8237	4	0.1	28	24.1	Clear	No Odor
09:50	8	1	gpm	40.8	7.59	4.55	5.35	8228	4	0.08	28.1	16.2	Clear	No Odor
09:54	12	1	gpm	40.8	7.6	4.55	5.35	8223	4	0.07	28.2	12.3	Clear	No Odor
09:58	16	1	gpm	40.8	7.62	4.55	5.35	8238	4	0.06	28.1	9.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-02S	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:57.79 °F, rH:35%, Clouds: 0%, Wind:14.97mph W-SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	42.5-92.5	Casing Diameter (in):	6	Well Casing Material:	
Static Water Level (ft-bmp):	40.72	Total Depth (ft-bmp):	96.27	Water Column(ft):	55.55	Gallons in Well:	81.59
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	65	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:04	Total Volume Purged (gallons):	20	Sample ID:	TW-02S-Q125	Sample Time:	09:25
Purge End Time:	09:24	Well Volumes Purged (total):	0.25	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:08	0	1	gpm	40.73	7.32	4.39	5.18	7966	6	0.64	27.9	28.9	Clear	No Odor
09:12	4	1	gpm	40.73	7.34	4.39	5.17	7959	4	0.58	28.1	41.4	Clear	No Odor
09:16	8	1	gpm	40.73	7.34	4.39	5.17	7957	3	0.6	28.1	45.7	Clear	No Odor
09:20	12	1	gpm	40.73	7.38	4.38	5.17	7947	3	0.62	28.1	48.4	Clear	No Odor
09:24	16	1	gpm	40.73	7.41	4.38	5.17	7947	3	0.65	28.2	49.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Manganese, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020),Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
3	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-03D	Date(s):	2025-02-11	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:59.43 °F, rH:30%, Clouds: 0%, Wind:6.91mph W-NW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	111-156	Casing Diameter (in):	8	Well Casing Material:	
Static Water Level (ft-bmp):	40.54	Total Depth (ft-bmp):	152.32	Water Column(ft):	111.78	Gallons in Well:	291.88
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	135	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:10	Total Volume Purged (gallons):	20	Sample ID:	TW-03D-Q125	Sample Time:	10:31
Purge End Time:	10:30	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	MS/MSD / TW-03D-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:14	0	1	gpm	40.55	7.59	4.36	5.14	7908	11	0.75	28.4	51.2	Clear	No Odor
10:18	4	1	gpm	40.55	7.57	4.35	5.14	7907	9	0.7	28.4	40.8	Clear	No Odor
10:22	8	1	gpm	40.55	7.57	4.67	5.48	8425	7	0.18	28.4	36.4	Clear	No Odor
10:26	12	1	gpm	40.55	7.58	4.68	5.5	8424	7	0.16	28.5	33.3	Clear	No Odor
10:30	16	1	gpm	40.55	7.59	4.66	5.47	8408	7	0.15	28.5	31.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Chromium, total dissolved (SW 6020),Iron, dissolved (SW 6020A),Manganese, dissolved (SW 6020),Molybdenum, dissolved (SW 6020),Selenium, dissolved (SW 6020)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

TW-04

Date(s):

2025-02-19

Work Order(s):

PGE_Topock_2025_Q1_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

clear

Field Technician:

Nara Tep

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

210-250

Casing Diameter (in):

4

Well Casing Material:

Static Water Level (ft-bmp):

30.7

Total Depth (ft-bmp):

253.94

Water Column(ft):

223.24

Liters in Well:

551.65

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

230

Purge Method:

Low Flow

Purging Equipment:

Portable Bladder

Purge Start Time:

13:19

Total Volume Purged (liters):

10

Sample ID:

TW-04-Q125

Sample Time:

13:40

Purge End Time:

13:39

Well Volumes Purged (total):

0.02

Replicate Type / Replicate ID:

Equipment Blank / EB-722-Q125

Water Quality Meter/ ID:

Hach 2100-P,YSI ProPlus /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:19	0	500	mL/min	30.7	7.31	12.33	13.48	21370	15	2.89	28.4	55.8	Clear	No Odor
13:23	4	500	mL/min	30.78	7.35	12.33	13.48	21440	9	2.55	28.2	53.1	Clear	No Odor
13:27	8	500	mL/min	30.78	7.36	12.39	13.53	21459	6	2.23	28.5	50.9	Clear	No Odor
13:31	12	500	mL/min	30.78	7.36	12.41	13.55	21485	5	1.93	28.6	47.9	Clear	No Odor
13:35	16	500	mL/min	30.78	7.37	12.41	13.55	21489	5	1.88	28.6	47.5	Clear	No Odor
13:39	20	500	mL/min	30.78	7.37	12.41	13.55	21493	5	1.85	28.6	46.1	Clear	No Odor

Constituent Sampled

Chromium, Hexavalent (EPA 218.6)

Container

Plastic

Number

1

Volume

250 mL

Preservative

(NH4)2SO4/NaOH

Pre-Filter Turbidity

5

Post-Filter Turbidity

1

Number of Filters Used

1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TWB-01	Date(s):	2025-02-25	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	-	Casing Diameter (in):	6	Well Casing Material:	PVC
Static Water Level (ft-bmp):	81.6	Total Depth (ft-bmp):	131.9	Water Column(ft):	50.3	Gallons in Well:	73.88
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	13:58	Total Volume Purged (gallons):	75	Sample ID:	TWB-01-Q125	Sample Time:	14:24
Purge End Time:	14:23	Well Volumes Purged (total):	1.02	Replicate Type / Replicate ID:	Duplicate / MW-924-Q125 Equipment Blank / EB-731-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:02	0	3	gpm	82.8	7.39	9.62	10.73	16506	13	0.12	29.4	-215.4	Clear	No Odor
14:06	4	3	gpm	82.8	7.38	7.49	8.7	15003	7	0.07	29.4	-125.1	Clear	No Odor
14:10	8	3	gpm	82.8	7.38	7.43	8.55	13414	4	0.05	29.4	-104.3	Clear	No Odor
14:14	12	3	gpm	82.8	7.33	7.38	8.4	12936	4	0.05	29.3	-99.3	Clear	No Odor
14:18	16	3	gpm	82.8	7.29	7.36	8.38	12902	4	0.1	29.3	-98.3	Clear	No Odor
14:23	21	3	gpm	82.8	7.33	7.34	8.36	12878	4	0.15	29.3	-95.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Chromium, total dissolved (SW 6020)	Plastic	2	500 mL	HNO3

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
4	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Client:	Pacific Gas and Electric	Location ID:	C-BNS	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	13		
Sample Time:	10:20	Sample ID:	C-BNS-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
10:20	8.81	0.49	0.64	978	1	8.82	12.8	105.9	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2102138.88 N
7616945.47 E
Raw Conductivity: 751 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-CON-D	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	10		
Sample Time:	08:30	Sample ID:	C-CON-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:30	8.75	0.49	0.64	983	2	8.56	12.6	105.8	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2105631.65 N
7614087.74 E
Raw Conductivity: 749 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-CON-S	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	10		
Sample Time:	08:40	Sample ID:	C-CON-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
08:40	8.83	0.49	0.64	979	2	8.77	12.6	103.8	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2105631.65 N
7614087.74 E
Raw Conductivity: 750 $\mu\text{S}/\text{cm}$

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-I-3-D	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	MS/MSD / C-I-3-D-Q125			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	10		
Sample Time:	09:10	Sample ID:	C-I-3-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
09:10	8.96	0.49	0.64	976	2	8.86	12.7	101.9	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2101054.44 N
7617743.35 E
Raw Conductivity: 748 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-I-3-S	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	10		
Sample Time:	09:20	Sample ID:	C-I-3-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (μ S/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:20	8.96	0.49	0.64	976	2	8.75	12.4	102.8	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2101054.44 N
7617743.35 E
Raw Conductivity: 743 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

μ S/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-MAR-D	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	Duplicate / MW-906-Q125			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	3		
Sample Time:	10:20	Sample ID:	C-MAR-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
10:20	8.76	0.53	0.68	1059	8	7.69	13.8	89.6	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2102571.77 N
7617738.43 E
Raw Conductivity: 839 $\mu\text{S}/\text{cm}$

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-MAR-S	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	3		
Sample Time:	10:40	Sample ID:	C-MAR-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
10:40	8.79	0.53	0.68	1061	9	7.79	14.2	91.8	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2102571.77 N
7617738.43 E
Raw Conductivity: 843 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-NR1-D	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	6		
Sample Time:	08:55	Sample ID:	C-NR1-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
08:55	8.89	0.49	0.64	978	2	8.93	12.7	109.2	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2106025.25 N
7613282.81 E
Raw Conductivity: 750 $\mu\text{S}/\text{cm}$

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-NR1-S	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	5		
Sample Time:	09:05	Sample ID:	C-NR1-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:05	8.93	0.49	0.64	976	2	8.83	12.7	105.2	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2106025.25 N
7613282.81 E
Raw Conductivity: 747 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-NR3-D	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	7		
Sample Time:	09:20	Sample ID:	C-NR3-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
09:20	8.96	0.48	0.64	978	1	8.86	12.8	107.5	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2106754.73 N
7611724.76 E
Raw Conductivity: 753 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-NR3-S	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	7		
Sample Time:	09:30	Sample ID:	C-NR3-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
09:30	8.95	0.49	0.64	978	1	8.92	12.9	106.5	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2106754.73 N
7611724.76 E
Raw Conductivity: 755 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-NR4-D	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	7		
Sample Time:	09:50	Sample ID:	C-NR4-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
09:50	8.93	0.49	0.64	978	1	8.86	13	108.5	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2108624.75 N
7607999.68 E
Raw Conductivity: 756 $\mu\text{S}/\text{cm}$

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-NR4-S	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	7		
Sample Time:	10:00	Sample ID:	C-NR4-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (μ S/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:00	8.96	0.49	0.64	978	1	8.91	13	107.2	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2108624.75 N
7607999.68 E
Raw Conductivity: 750 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

μ S/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-R22A-D	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	5		
Sample Time:	09:50	Sample ID:	C-R22A-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:50	8.84	0.49	0.64	975	2	8.95	12.9	106.5	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2101639.44 N
7616968.51 E
Raw Conductivity: 751 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-R22A-S	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	5		
Sample Time:	10:05	Sample ID:	C-R22A-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:05	8.83	0.49	0.64	976	2	8.76	13.1	105.8	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2101639.44 N
7616968.51 E
Raw Conductivity: 756 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-R27-D	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	5		
Sample Time:	10:35	Sample ID:	C-R27-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
10:35	8.78	0.49	0.64	976	1	8.81	12.8	107.9	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2102558.85 N
7616720.41 E
Raw Conductivity: 750 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-R27-S	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	5		
Sample Time:	10:50	Sample ID:	C-R27-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^o)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:50	8.83	0.49	0.64	972	1	8.67	12.8	107.4	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2102558.85 N
7616720.41 E
Raw Conductivity: 750 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-TAZ-D	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	Duplicate / MW-907-Q125			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	12		
Sample Time:	08:35	Sample ID:	C-TAZ-D-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
08:35	8.85	0.53	0.68	980	2	9.12	12.5	96.8	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2100869.88 N
7618855.11 E
Raw Conductivity: 744 $\mu\text{S}/\text{cm}$

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	C-TAZ-S	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	MS/MSD / C-TAZ-S-Q125			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	12		
Sample Time:	08:55	Sample ID:	C-TAZ-S-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
08:55	8.91	0.49	0.64	978	1	8.75	12.5	98.6	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2100869.88 N
7618855.11 E
Raw Conductivity: 745 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	R-19	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	3		
Sample Time:	11:00	Sample ID:	R-19-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
11:00	8.85	0.49	0.64	986	2	8.56	13.7	99.1	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2103321.25 N
7616190.41 E
Raw Conductivity: 776 $\mu\text{S}/\text{cm}$

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	R-28	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	Duplicate / MW-922-Q125			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	4		
Sample Time:	11:05	Sample ID:	R-28-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
11:05	8.85	0.49	0.64	974	1	8.65	12.9	105.9	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2103079.29 N
7616318.22 E
Raw Conductivity: 750 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	R63	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Peristaltic Pump		
Static Water Level (m-bmp):	0			Water Depth:	4		
Sample Time:	09:35	Sample ID:	R63-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:35	8.61	0.49	0.64	976	2	8.43	12.6	95.9	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2100795.18 N
7617358.75 E
Raw Conductivity: 747 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	RRB	Date(s):	02-20-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Dip Cup		
Static Water Level (m-bmp):	0			Water Depth:	1		
Sample Time:	11:15	Sample ID:	RRB-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:15	8.35	0.49	0.64	990	5	7.45	13.7	87.9	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2104538.22 N
7615234.85 E
Raw Conductivity: 779 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	SW1	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Dip Cup		
Static Water Level (m-bmp):	0			Water Depth:	2		
Sample Time:	12:40	Sample ID:	SW1-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:40	8.36	0.48	0.63	973	3	8.13	12.8	94.6	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2101306.29 N
7616723.81 E
Raw Conductivity: 749 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Client:	Pacific Gas and Electric	Location ID:	SW2	Date(s):	02-19-2025	Work Order(s):	PGE_Topock_2025_Q1_V1_FINAL
Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area:	Default Site	
Weather:	clear			Field Technician:	Nara Tep		
Replicate Type / Replicate ID:	NA / NA			Sample Equipment:	Dip Cup		
Static Water Level (m-bmp):	0			Water Depth:	2		
Sample Time:	12:20	Sample ID:	SW2-Q125		Sample Method:	Grab	
Scope of Work Completed?	Yes						

Time	pH (standard units)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature ($^\circ\text{C}$)	Redox (mV)	Appearance	
									Color	Odor
12:20	8.52	0.49	0.64	974	2	8.43	12.8	97.8	Clear	No Odor

Constituent Sampled	Container	Number	Preservative	Comments
Arsenic, dissolved (SW 6020), Manganese, dissolved (SW 6020)	Plastic	1	HNO3	
Chromium, Hexavalent (EPA 218.6)	Plastic	1	(NH4)2SO4/NaOH	

Comments: 2101075.42 N
7616906.14 E
Raw Conductivity: 748 us/cm

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

$\mu\text{S}/\text{cm}$ = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
 $^\circ\text{F}$ = degrees Fahrenheit
 $^\circ\text{C}$ = degrees Celsius

Location ID:	MW-20-070	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:70.95 °F, rH:17%, Clouds: 0%, Wind:19.57mph S			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	50-70	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	45.41	Total Depth (ft-bmp):	68.38	Water Column(ft):	22.97	Liters in Well:	56.76
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	60	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	11:44	Total Volume Purged (liters):	7.5	Sample ID:	MW-20-070-0325	Sample Time:	12:00
Purge End Time:	11:59	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:47	0	500	mL/min	45.42	7.17	1.24	1.57	2425	11	4.51	26.8	65.7	Clear	No Odor
11:50	3	500	mL/min	45.42	7.17	1.24	1.57	2413	9	4.22	27	66.9	Clear	No Odor
11:53	6	500	mL/min	45.42	7.18	1.23	1.56	2408	9	4.11	26.8	68	Clear	No Odor
11:56	9	500	mL/min	45.42	7.19	1.24	1.56	2408	9	4.12	26.9	69	Clear	No Odor
11:59	12	500	mL/min	45.42	7.2	1.23	1.56	2414	9	4.25	27	69.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-20-100	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLOUDS, T:69.57 °F, rH:17%, Clouds: 75%, Wind:16.11mph S-SW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	89.5-99.5	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	45.78	Total Depth (ft-bmp):	98.08	Water Column(ft):	52.3	Liters in Well: 129.24
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	95	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	12:57	Total Volume Purged (liters):	7.5	Sample ID:	MW-20-100-0325	Sample Time: 13:13
Purge End Time:	13:12	Well Volumes Purged (total):	0.06	Replicate Type / Replicate ID:	Equipment Blank / EB-741-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:00	0	500	mL/min	45.8	7.22	2.07	2.54	3896	20	3.18	26.7	72.9	Clear	No Odor
13:03	3	500	mL/min	45.8	7.24	2.1	2.58	3982	12	3.09	27.2	75.4	Clear	No Odor
13:06	6	500	mL/min	45.8	7.26	2.1	2.58	3985	9	2.77	27.4	76.1	Clear	No Odor
13:09	9	500	mL/min	45.8	7.26	2.1	2.59	3986	9	2.89	27.8	75.4	Clear	No Odor
13:12	12	500	mL/min	45.8	7.25	2.12	2.61	4024	9	2.85	27.6	74.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-20-130	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLOUDS, T:69.4 °F, rH:17%, Clouds: 75%, Wind:16.11mph S-SW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	121-131	Casing Diameter (in):	4	Well Casing Material:
Static Water Level (ft-bmp):	46.15	Total Depth (ft-bmp):	129.5	Water Column(ft):	83.35	Liters in Well: 205.97
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	126	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	12:19	Total Volume Purged (liters):	7.5	Sample ID:	MW-20-130-0325	Sample Time: 12:35
Purge End Time:	12:34	Well Volumes Purged (total):	0.04	Replicate Type / Replicate ID:	MS/MSD / MW-20-130-0325	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:22	0	500	mL/min	46.17	7.21	5.08	5.92	9111	28	1.56	26.7	64.3	Clear	No Odor
12:25	3	500	mL/min	46.17	7.22	5.1	5.94	9136	16	0.54	26.6	59.5	Clear	No Odor
12:28	6	500	mL/min	46.17	7.22	5.11	5.95	9142	12	0.41	26.6	55	Clear	No Odor
12:31	9	500	mL/min	46.17	7.23	5.11	5.95	9145	12	0.37	26.6	52.8	Clear	No Odor
12:34	12	500	mL/min	46.17	7.23	5.1	5.94	9141	11	0.32	26.7	50.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-21	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:54.79 °F, rH:74%, Clouds: 83%, Wind:16.96mph SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	39-59	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	50.11	Total Depth (ft-bmp):	58.33	Water Column(ft):	8.22	Liters in Well:	20.31
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	55	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	13:55	Total Volume Purged (liters):	2.7	Sample ID:	MW-21-0325	Sample Time:	14:11
Purge End Time:	14:10	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	Equipment Blank / MW-21-EB-0325	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:58	0	500	mL/min	50.85	7.41	6.35	7.27	11157	23	0.61	25.4	-126.1	Clear	No Odor
14:01	3	100	mL/min	50.9	7.41	6.36	7.28	11201	16	0.69	25.7	-134.3	Clear	No Odor
14:04	6	100	mL/min	50.9	7.4	6.36	7.28	11207	12	1.96	25	-108.6	Clear	No Odor
14:07	9	100	mL/min	50.9	7.41	6.36	7.28	11178	12	1.91	25	-104.4	Clear	No Odor
14:10	12	100	mL/min	50.9	7.42	6.36	7.28	11147	12	1.88	25.1	-101.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

ft-bmp = feet below measuring point	uS/cm = microSiemens per centimeter	mV = millivolts
in = inches	NTU = Nephelometric Turbidity Unit	°F = degrees Fahrenheit
ft = feet	mg/L = milligrams per liter	°C = degrees Celsius
mL/min = milliliters per minute	S.U = standard units	gpm = gallons per minute
	mS/cm = milliSiemens per centimeter	

Location ID:	MW-26	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Rain	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	51.5-71.5	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	47.24	Total Depth (ft-bmp):	69.3	Water Column(ft):	22.06	Liters in Well:	13.63
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	65	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:02	Total Volume Purged (liters):	10	Sample ID:	MW-26-0325	Sample Time:	12:23
Purge End Time:	12:22	Well Volumes Purged (total):	0.73	Replicate Type / Replicate ID:	Duplicate / MW-925-Q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (mg/L)	Specific Conductivity (µS/cm²)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:02	0	500	mL/min	47.24	6.81	5.42	4.83	9669	18	4.28	24.67	-82.4	Clear	No Odor
12:06	4	500	mL/min	47.24	6.81	5.45	4.86	9717	14	2.51	25.4	-100.9	Clear	No Odor
12:10	8	500	mL/min	47.24	6.83	5.45	4.86	9728	10	2.39	25.59	-111.5	Clear	No Odor
12:14	12	500	mL/min	47.24	6.85	5.45	4.86	9729	8	3.04	25.38	-108.4	Clear	No Odor
12:18	16	500	mL/min	47.3	6.83	5.45	4.86	9730	8	2.97	25.38	-108.2	Clear	No Odor
12:22	20	500	mL/min	47.3	6.86	5.45	4.86	9734	8	3.08	25.33	-107.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-31-060	Date(s):	2025-03-10	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	41.5-61.5	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	39.47	Total Depth (ft-bmp):	61.4	Water Column(ft):	21.93	Liters in Well:	54.19
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	60	Purge Method:	Low Flow	Purging Equipment:	Dedicated Bladder
Purge Start Time:	14:11	Total Volume Purged (liters):	10	Sample ID:	MW-31-060-0325	Sample Time:	14:32
Purge End Time:	14:31	Well Volumes Purged (total):	0.18	Replicate Type / Replicate ID:	Equipment Blank / EB-740-Q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:11	0	500	mL/min	39.47	7.34	5.49	4.89	9872	41	2.11	26.72	140.8	Clear	No Odor
14:15	4	500	mL/min	39.47	7.14	5.49	4.89	9778	28	1.33	26.82	141.2	Clear	No Odor
14:19	8	500	mL/min	39.47	7.1	5.49	4.89	9787	22	1.49	26.95	141.7	Clear	No Odor
14:23	12	500	mL/min	39.64	7.09	5.49	4.89	9771	12	1.73	26.9	141.8	Clear	No Odor
14:27	16	500	mL/min	39.64	7.09	5.49	4.89	9774	12	1.76	26.89	141.9	Clear	No Odor
14:31	20	500	mL/min	39.64	7.08	5.49	4.89	9770	12	1.77	26.89	142	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-31-135	Date(s):	2025-03-10	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Sunny	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	113-133	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	40.7	Total Depth (ft-bmp):	130	Water Column(ft):	89.3	Liters in Well:	55.17
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	123	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:52	Total Volume Purged (liters):	10	Sample ID:	MW-31-135-0325	Sample Time:	13:13
Purge End Time:	13:12	Well Volumes Purged (total):	0.18	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:52	0	500	mL/min	40.7	7.42	6.78	5.98	11970	19	3.07	28.6	147.7	Clear	No Odor
12:56	4	500	mL/min	40.7	7.15	6.72	5.93	11850	15	0.77	28.94	148.5	Clear	No Odor
13:00	8	500	mL/min	40.7	7.14	6.72	5.92	11840	13	0.7	28.98	148.5	Clear	No Odor
13:04	12	500	mL/min	40.7	7.13	6.72	5.92	11840	9	0.67	28.98	148.5	Clear	No Odor
13:08	16	500	mL/min	40.7	7.1	6.72	5.92	11845	9	0.65	28.91	148.7	Clear	No Odor
13:12	20	500	mL/min	40.74	7.09	6.72	5.92	11847	9	0.63	28.91	148.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-34-100	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLOUDS, T:66.22 °F, rH:57%, Clouds: 100%, Wind:10.36mph SE			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	89.5-99.5	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	5.9	Total Depth (ft-bmp):	115.75	Water Column(ft):	109.85	Liters in Well: 67.86
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	95	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	12:24	Total Volume Purged (liters):	7.5	Sample ID:	MW-34-100-0325	Sample Time: 12:40
Purge End Time:	12:39	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:27	0	500	mL/min	5.93	6.96	6.93	7.85	12123	9	0.39	19.8	-186.7	Clear	No Odor
12:30	3	500	mL/min	5.93	6.93	6.82	7.73	11893	7	0.21	19.8	-153.6	Clear	No Odor
12:33	6	500	mL/min	5.93	6.91	6.79	7.71	11856	5	0.15	19.8	-130.3	Clear	No Odor
12:36	9	500	mL/min	5.93	6.9	6.78	7.7	11841	5	0.11	19.8	-126.1	Clear	No Odor
12:39	12	500	mL/min	5.93	6.89	6.79	7.71	11848	5	0.09	19.8	-124.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-36-100	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLOUDS, T:66.34 °F, rH:57%, Clouds: 100%, Wind:10.36mph SE			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	88-98	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	14.96	Total Depth (ft-bmp):	109.75	Water Column(ft):	94.79	Liters in Well: 58.56
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	93	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	13:00	Total Volume Purged (liters):	7.5	Sample ID:	MW-36-100-0325	Sample Time: 13:16
Purge End Time:	13:15	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	Equipment Blank / EB-743-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:03	0	500	mL/min	14.97	6.89	5.79	6.66	10273	10	0.38	21.7	-84.8	Clear	No Odor
13:06	3	500	mL/min	14.97	6.9	5.56	6.4	9870	8	0.16	21.7	-95.1	Clear	No Odor
13:09	6	500	mL/min	14.97	6.91	5.54	6.38	9822	6	0.13	21.7	-100.1	Clear	No Odor
13:12	9	500	mL/min	14.97	6.91	5.54	6.38	9833	6	0.13	21.7	-100.4	Clear	No Odor
13:15	12	500	mL/min	14.97	6.93	5.53	6.37	9820	6	0.12	21.7	-99.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-070	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	clear	Field Technician:			James San	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	60-70	Casing Diameter (in):	1	Well Casing Material:
Static Water Level (ft-bmp):	13.91	Total Depth (ft-bmp):	71.2	Water Column(ft):	57.29	Liters in Well: 8.85
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	67	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	10:36	Total Volume Purged (liters):	10	Sample ID:	MW-39-070-0325	Sample Time: 10:57
Purge End Time:	10:56	Well Volumes Purged (total):	1.13	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:36	0	500	mL/min	13.71	7.43	2.11	2	4010	18	2.31	23.89	139.9	Clear	No Odor
10:40	4	500	mL/min	13.71	7.33	2.11	2.01	4007	15	0.52	23.74	140.1	Clear	No Odor
10:44	8	500	mL/min	13.71	7.24	2.11	2.01	4044	12	0.52	23.74	140.1	Clear	No Odor
10:48	12	500	mL/min	13.89	7.15	2.11	2.01	4125	8	0.11	23.67	141.1	Clear	No Odor
10:52	16	500	mL/min	13.89	7.14	2.11	2.01	4123	8	0.09	23.65	141.3	Clear	No Odor
10:56	20	500	mL/min	13.89	7.12	2.11	2.01	4120	8	0.07	23.64	141.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-080	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	70-80	Casing Diameter (in):	1	Well Casing Material:	
Static Water Level (ft-bmp):	13.86	Total Depth (ft-bmp):	81.9	Water Column(ft):	68.04	Liters in Well:	10.51
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	77	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	09:56	Total Volume Purged (liters):	10	Sample ID:	MW-39-080-0325	Sample Time:	10:17
Purge End Time:	10:16	Well Volumes Purged (total):	0.95	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:56	0	500	mL/min	13.86	7.17	3.07	2.86	6206	21	1.8	22.67	136.5	Clear	No Odor
10:00	4	500	mL/min	13.86	7.16	3.02	2.76	5427	16	0.25	22.9	137	Clear	No Odor
10:04	8	500	mL/min	13.86	7.1	3.81	3.45	6830	13	0.15	22.98	137.2	Clear	No Odor
10:08	12	500	mL/min	13.86	7.07	3.95	3.59	7160	9	0.13	23.22	137.9	Clear	No Odor
10:12	16	500	mL/min	13.86	7.07	3.95	3.59	7173	9	0.11	23.22	137.7	Clear	No Odor
10:16	20	500	mL/min	14.02	7.06	3.95	3.59	7236	9	0.1	23.29	137.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-39-100	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	clear	Field Technician:			James San	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	80-100	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	13.92	Total Depth (ft-bmp):	116.4	Water Column(ft):	102.48	Liters in Well: 63.31
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	113	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	09:19	Total Volume Purged (liters):	10	Sample ID:	MW-39-100-0325	Sample Time: 09:40
Purge End Time:	09:39	Well Volumes Purged (total):	0.16	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:19	0	500	mL/min	13.92	7.2	12.11	10.12	19780	19	3.36	22.96	138.1	Clear	No Odor
09:23	4	500	mL/min	13.92	7.08	10.39	8.82	17830	16	0.64	23.2	137.3	Clear	No Odor
09:27	8	500	mL/min	13.92	7.03	10.3	8.75	17500	12	0.49	23.21	137.5	Clear	No Odor
09:31	12	500	mL/min	14.23	6.84	10.02	8.52	17060	8	0.38	23.32	137.7	Clear	No Odor
09:35	16	500	mL/min	14.23	6.82	10.02	8.52	17057	8	0.34	23.37	137.7	Clear	No Odor
09:39	20	500	mL/min	14.23	6.82	10.02	8.52	17050	8	0.33	23.37	137.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-44-115	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLOUDS, T:65.88 °F, rH:58%, Clouds: 75%, Wind:11.5mph SE			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	105-113	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	17.2	Total Depth (ft-bmp):	114.4	Water Column(ft):	97.2	Liters in Well: 60.05
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	109	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	11:07	Total Volume Purged (liters):	7.5	Sample ID:	MW-44-115-0325	Sample Time: 11:23
Purge End Time:	11:22	Well Volumes Purged (total):	0.12	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:10	0	500	mL/min	17.21	7.03	8.77	9.78	15044	23	0.34	21.5	66.1	Clear	No Odor
11:13	3	500	mL/min	17.21	7.02	8.77	9.77	15040	10	0.23	21.5	60.7	Clear	No Odor
11:16	6	500	mL/min	17.21	7.01	8.77	9.77	15034	8	0.18	21.6	56.9	Clear	No Odor
11:19	9	500	mL/min	17.21	7.01	8.78	9.79	15056	8	0.14	21.5	54.1	Clear	No Odor
11:22	12	500	mL/min	17.21	7	8.78	9.78	15043	8	0.12	21.4	51.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-44-125	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:65.64 °F, rH:58%, Clouds: 75%, Wind:11.5mph SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	116-125	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	17	Total Depth (ft-bmp):	128.8	Water Column(ft):	111.8	Liters in Well:	69.07
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	122	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:49	Total Volume Purged (liters):	7.5	Sample ID:	MW-44-125-0325	Sample Time:	12:05
Purge End Time:	12:04	Well Volumes Purged (total):	0.11	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:52	0	500	mL/min	17.01	7	8.13	9.11	13982	8	0.29	21.2	-129.9	Clear	No Odor
11:55	3	500	mL/min	17.01	7	8.04	9.01	13880	5	0.19	21.3	-141.3	Clear	No Odor
11:58	6	500	mL/min	17.01	7	7.64	8.6	13263	5	0.15	21.2	-170.1	Clear	No Odor
12:01	9	500	mL/min	17.01	6.99	7.62	8.58	13191	5	0.12	21.2	-171.7	Clear	No Odor
12:04	12	500	mL/min	17.01	6.99	7.66	8.62	13230	5	0.11	21.2	-174.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
5	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-46-175	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLOUDS, T:61.18 °F, rH:67%, Clouds: 13%, Wind:12.24mph S-SE			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	165-175	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	27.74	Total Depth (ft-bmp):	176.02	Water Column(ft):	148.28	Liters in Well: 91.6
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	170	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	10:00	Total Volume Purged (liters):	7.5	Sample ID:	MW-46-175-0325	Sample Time: 10:16
Purge End Time:	10:15	Well Volumes Purged (total):	0.08	Replicate Type / Replicate ID:	Duplicate / MW-926-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:03	0	500	mL/min	27.76	7.04	10.21	11.23	17158	14	0.71	20.5	88.8	Clear	No Odor
10:06	3	500	mL/min	27.76	7.12	10.32	11.35	17444	10	0.35	20.9	70.3	Clear	No Odor
10:09	6	500	mL/min	27.76	7.14	10.32	11.35	17461	9	0.3	21	65.2	Clear	No Odor
10:12	9	500	mL/min	27.76	7.16	10.33	11.36	17472	9	0.27	21	61.2	Clear	No Odor
10:15	12	500	mL/min	27.76	7.18	10.34	11.37	17480	9	0.25	20.9	58.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-51	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:57.78 °F, rH:72%, Clouds: 100%, Wind:15.37mph S			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	97-112	Casing Diameter (in):	4	Well Casing Material:	
Static Water Level (ft-bmp):	46.66	Total Depth (ft-bmp):	113.27	Water Column(ft):	66.61	Liters in Well:	164.6
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	105	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	11:11	Total Volume Purged (liters):	7.5	Sample ID:	MW-51-0325	Sample Time:	11:36
Purge End Time:	11:35	Well Volumes Purged (total):	0.05	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:14	0	500	mL/min	46.68	7.02	0.72	0.93	1432	17	0.77	25	-205.9	Clear	No Odor
11:17	3	500	mL/min	46.68	7.08	0.82	1.05	1589	13	0.47	25.7	-232.5	Clear	No Odor
11:20	6	500	mL/min	46.68	7.13	1.14	1.45	2229	10	0.3	25.5	-256.8	Clear	No Odor
11:23	9	500	mL/min	46.68	7.16	1.48	1.86	2858	10	0.24	25.5	-270.2	Clear	No Odor
11:26	12	500	mL/min	46.68	7.18	2.46	2.99	4617	9	0.18	24.7	-282.8	Clear	No Odor
11:29	15	500	mL/min	46.68	7.19	2.51	3.05	4645	9	0.17	25.3	-289.6	Clear	No Odor
11:32	18	500	mL/min	46.68	7.19	2.53	3.07	4670	9	0.16	25.2	-290.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-71-035	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:54.79 °F, rH:67%, Clouds: 100%, Wind:16.35mph S-SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	26-36	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	28.5	Total Depth (ft-bmp):	35.1	Water Column(ft):	6.6	Liters in Well:	4.08
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	33	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	13:17	Total Volume Purged (liters):	2.7	Sample ID:	MW-71-035-0325	Sample Time:	13:33
Purge End Time:	13:32	Well Volumes Purged (total):	0.66	Replicate Type / Replicate ID:	Equipment Blank / EB-745-Q125	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:20	0	500	mL/min	29.1	7.38	5.07	5.9	9039	37	0.93	26	-13.8	Clear	No Odor
13:23	3	100	mL/min	29.15	7.4	4.76	5.57	8632	33	1.57	26.1	-10.2	Clear	No Odor
13:26	6	100	mL/min	29.15	7.42	3.53	4.21	6501	31	2.33	26.7	3.6	Clear	No Odor
13:29	9	100	mL/min	29.15	7.44	3.56	4.26	6658	30	2.45	27	6.2	Clear	No Odor
13:32	12	100	mL/min	29.15	7.46	3.46	4.14	6497	30	2.46	27	9.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
30	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-039	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	clear	Field Technician:			James San	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	24-39	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	26.35	Total Depth (ft-bmp):	38.54	Water Column(ft):	12.19	Liters in Well: 7.53
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	35	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	13:12	Total Volume Purged (liters):	10	Sample ID:	MW-76-039-0325	Sample Time: 13:32
Purge End Time:	13:32	Well Volumes Purged (total):	1.33	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID: Hach 2100-P,Hanna HI 98129 /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (mg/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:12	0	500	mL/min	26.35	7.04	5.69	5.05	10090	18	3.43	24.48	-97.9	Clear	No Odor
13:16	4	500	mL/min	26.35	7.04	5.69	5.05	10090	16	1.77	24.73	-104.9	Clear	No Odor
13:20	8	500	mL/min	26.35	6.97	5.69	5.05	10110	12	1.28	24.95	-107.5	Clear	No Odor
13:24	12	500	mL/min	26.35	6.92	5.69	5.05	10090	9	1.3	24.95	-106.1	Clear	No Odor
13:28	16	500	mL/min	26.35	6.91	5.69	5.05	10080	9	1.36	25.1	-105.8	Clear	No Odor
13:32	20	500	mL/min	26.35	6.92	5.69	5.05	10090	9	1.4	25.1	-105.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-156	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	Cloudy	Field Technician:			James San	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	136-156	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	24.56	Total Depth (ft-bmp):	157	Water Column(ft):	132.44	Liters in Well: 81.82
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	150	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	13:56	Total Volume Purged (liters):	10	Sample ID:	MW-76-156-0325	Sample Time: 14:17
Purge End Time:	14:16	Well Volumes Purged (total):	0.12	Replicate Type / Replicate ID:	Equipment Blank / EB-744-Q125	Water Quality Meter/ ID: Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (mg/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:56	0	500	mL/min	24.56	6.97	5.64	5	10010	17	3.45	24.35	-90.4	Clear	No Odor
14:00	4	500	mL/min	24.56	6.99	5.64	5	9991	14	1.6	24.79	-104.2	Clear	No Odor
14:04	8	500	mL/min	24.56	6.97	5.64	5	9993	10	1.37	25.09	-106.3	Clear	No Odor
14:08	12	500	mL/min	24.56	6.91	5.64	5	10000	9	1.09	28.07	-111.8	Clear	No Odor
14:12	16	500	mL/min	24.56	6.92	5.64	5	10010	9	1.08	28.13	-112	Clear	No Odor
14:16	20	500	mL/min	24.56	6.93	5.64	5	10020	9	1.05	28.07	-112.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-181	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Cloudy	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	171-181	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	24.72	Total Depth (ft-bmp):	182.6	Water Column(ft):	157.88	Liters in Well:	97.54
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	175	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	11:34	Total Volume Purged (liters):	10	Sample ID:	MW-76-181-0325	Sample Time:	11:55
Purge End Time:	11:54	Well Volumes Purged (total):	0.10	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
11:34	0	500	mL/min	24.72	7.45	5.7	5.06	10090	23	2.45	20.7	-126.2	Clear	No Odor
11:38	4	500	mL/min	24.72	7.36	5.7	5.06	10100	17	1.37	21.9	-132.7	Clear	No Odor
11:42	8	500	mL/min	24.72	7.33	5.7	5.06	10100	17	0.98	21.95	-135.5	Clear	No Odor
11:46	12	500	mL/min	24.72	7.33	5.7	5.06	10100	13	0.71	22.14	-138.1	Clear	No Odor
11:50	16	500	mL/min	24.72	7.29	5.7	5.06	10090	13	0.68	22.23	-138.5	Clear	No Odor
11:54	20	500	mL/min	24.93	7.28	5.7	5.06	10090	13	0.65	22.23	-138.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
13	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-76-218	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Cloudy	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	198-218	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	25.83	Total Depth (ft-bmp):	219.6	Water Column(ft):	193.77	Liters in Well:	119.71
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	210	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	12:21	Total Volume Purged (liters):	10	Sample ID:	MW-76-218-0325	Sample Time:	12:42
Purge End Time:	12:41	Well Volumes Purged (total):	0.08	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:21	0	500	mL/min	25.83	7.29	5.17	5.12	10260	21	4.08	24.85	-112.6	Clear	No Odor
12:25	4	500	mL/min	25.83	7.16	5.76	5.12	10270	18	1.38	25.94	-123.4	Clear	No Odor
12:29	8	500	mL/min	25.83	7.11	5.76	5.12	10290	14	1.03	27.17	-126.6	Clear	No Odor
12:33	12	500	mL/min	25.83	7.1	5.76	5.12	10210	12	0.74	26.04	-128	Clear	No Odor
12:37	16	500	mL/min	25.83	7.1	5.76	5.12	10210	12	0.73	26.04	-128.3	Clear	No Odor
12:41	20	500	mL/min	25.83	7.1	5.76	5.12	10220	12	0.72	26	-128.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-77-187	Date(s):	2025-03-12	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	167-187.1	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	23.3	Total Depth (ft-bmp):	188.9	Water Column(ft):	165.6	Liters in Well:	102.3
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	180	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	10:25	Total Volume Purged (liters):	10	Sample ID:	MW-77-187-0325	Sample Time:	10:47
Purge End Time:	10:45	Well Volumes Purged (total):	0.10	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:25	0	500	mL/min	23.3	7.3	5.76	5.11	10260	24	4.46	21.38	-89.2	Clear	No Odor
10:29	4	500	mL/min	23.3	7.4	5.76	5.09	10260	18	2.14	22.43	-68.5	Clear	No Odor
10:33	8	500	mL/min	23.3	7.48	5.76	5.09	10180	16	1.05	23.09	-97.3	Clear	No Odor
10:37	12	500	mL/min	23.3	7.5	5.76	5.09	10230	12	0.83	23.67	-105.1	Clear	No Odor
10:41	16	500	mL/min	23.47	7.47	5.76	5.09	10237	12	0.8	23.7	-105.5	Clear	No Odor
10:45	20	500	mL/min	23.47	7.45	5.76	5.09	10240	12	0.79	23.7	-105.8	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
12	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-78-070	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:52.79 °F, rH:75%, Clouds: 100%, Wind:27.49mph S-SW			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	50-70	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	46.6	Total Depth (ft-bmp):	72.02	Water Column(ft):	25.42	Liters in Well:	15.7
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	60	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	11:58	Total Volume Purged (liters):	7.5	Sample ID:	MW-78-070-0325	Sample Time:	12:14
Purge End Time:	12:13	Well Volumes Purged (total):	0.48	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:01	0	500	mL/min	46.61	7.23	4.31	5.07	7800	24	0.54	26.5	-101.8	Clear	No Odor
12:04	3	500	mL/min	46.61	7.28	4.31	5.08	7814	20	0.25	26.2	-105.6	Clear	No Odor
12:07	6	500	mL/min	46.61	7.31	4.32	5.09	7811	17	0.23	26.5	-105.7	Clear	No Odor
12:10	9	500	mL/min	46.61	7.33	4.3	5.07	7825	16	0.23	26.3	-100.4	Clear	No Odor
12:13	12	500	mL/min	46.61	7.35	4.31	5.07	7838	16	0.2	26	-98.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
14	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-78-142	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	RAIN, T:53.78 °F, rH:70%, Clouds: 100%, Wind:27.49mph S-SW			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	122-142	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	46.47	Total Depth (ft-bmp):	142	Water Column(ft):	95.53	Liters in Well: 59.02
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	132	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	12:28	Total Volume Purged (liters):	7.5	Sample ID:	MW-78-142-0325	Sample Time: 12:44
Purge End Time:	12:43	Well Volumes Purged (total):	0.13	Replicate Type / Replicate ID:	Duplicate / MW-927-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:31	0	500	mL/min	46.5	7.38	5.02	5.86	8926	13	0.62	25.4	-42.5	Clear	No Odor
12:34	3	500	mL/min	46.5	7.4	5.1	5.93	9183	9	0.57	25.8	-38.2	Clear	No Odor
12:37	6	500	mL/min	46.5	7.42	5.13	5.97	9183	7	0.42	26.2	-34.1	Clear	No Odor
12:40	9	500	mL/min	46.5	7.44	5.13	5.97	9161	7	0.37	26.6	-30.7	Clear	No Odor
12:43	12	500	mL/min	46.5	7.45	5.12	5.96	9196	7	0.35	26.4	-27.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-79-058	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Cloudy	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	48-58	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	46.2	Total Depth (ft-bmp):	59.9	Water Column(ft):	13.7	Liters in Well:	8.46
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	55	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	09:50	Total Volume Purged (liters):	10	Sample ID:	MW-79-058-0325	Sample Time:	10:11
Purge End Time:	10:10	Well Volumes Purged (total):	1.18	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (mg/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:50	0	500	mL/min	46.2	6.36	5.53	4.97	9925	21	3.41	26.12	-19.2	Clear	No Odor
09:54	4	500	mL/min	46.2	6.66	5.53	4.97	9964	17	1.84	26.65	-31.9	Clear	No Odor
09:58	8	500	mL/min	46.2	6.78	5.53	4.97	9953	14	1.08	26.56	-51.3	Clear	No Odor
10:02	12	500	mL/min	46.27	6.77	5.53	4.97	9973	9	1	26.42	-62.3	Clear	No Odor
10:06	16	500	mL/min	46.27	6.77	5.53	4.97	9969	9	1.09	26.39	-62.5	Clear	No Odor
10:10	20	500	mL/min	46.27	6.8	5.53	4.97	9967	9	1.08	26.35	-62.9	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-79-102	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	Rain	Field Technician:			James San	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	92-102	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	46.03	Total Depth (ft-bmp):	104.15	Water Column(ft):	58.12	Liters in Well: 35.91
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment: Portable Bladder
Purge Start Time:	10:46	Total Volume Purged (liters):	10	Sample ID:	MW-79-102-0325	Sample Time: 11:07
Purge End Time:	11:06	Well Volumes Purged (total):	0.28	Replicate Type / Replicate ID:	MS/MSD / MW-79-102-0325	Water Quality Meter/ ID: Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (mg/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:46	0	500	mL/min	46.03	7.01	1.7	1.66	3611	18	4.18	23.36	-107.9	Clear	No Odor
10:50	4	500	mL/min	46.03	6.84	1.7	1.66	7114	14	2.35	24.06	-114.8	Clear	No Odor
10:54	8	500	mL/min	46.03	6.73	1.7	1.66	8323	10	1.73	24.2	-127.9	Clear	No Odor
10:58	12	500	mL/min	46.03	6.67	1.7	1.66	8863	9	1.63	24.85	-134.9	Clear	No Odor
11:02	16	500	mL/min	46.03	6.7	1.7	1.66	8867	9	1.67	24.83	-134.7	Clear	No Odor
11:06	20	500	mL/min	46.03	6.71	1.7	1.66	8869	9	1.7	24.8	-134.3	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute



Description:

Location ID:	MW-80-057	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	Cloudy	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	47.4-57.4	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	47.34	Total Depth (ft-bmp):	59.2	Water Column(ft):	11.86	Liters in Well:	7.33
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	55	Purge Method:	Low Flow	Purging Equipment:	Portable Bladder
Purge Start Time:	14:19	Total Volume Purged (liters):	10	Sample ID:	MW-80-057-0325	Sample Time:	14:40
Purge End Time:	14:39	Well Volumes Purged (total):	1.36	Replicate Type / Replicate ID:	Equipment Blank / Eb-746-q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (mg/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
14:19	0	500	mL/min	47.34	7.09	1.8	1.59	3262	17	5.45	23.98	-84.6	Clear	No Odor
14:23	4	500	mL/min	47.34	7.01	4.01	3.65	5830	17	4.33	25.91	-88.9	Clear	No Odor
14:27	8	500	mL/min	47.34	6.74	5.46	4.84	9518	13	4.8	26.81	-98.2	Clear	No Odor
14:31	12	500	mL/min	47.34	6.74	5.46	4.84	9518	10	4.93	26.83	-100.9	Clear	No Odor
14:35	16	500	mL/min	47.34	6.73	5.46	4.84	9530	10	4.89	26.83	-101.3	Clear	No Odor
14:39	20	500	mL/min	47.34	6.74	5.46	4.84	9540	10	4.87	26.96	-101.5	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
10	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:

MW-80-082

Date(s):

2025-03-13

Work Order(s):

PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL

Client:

Pacific Gas and Electric

Facility:

Topock

Facility Location:

515 National Trails Hwy, Needles, CA 92363, US

Area:

Default Site

Weather(°F):

Cloudy

Field Technician:

James San

Measuring Pt. Description:

Top of Inner Casing

Screen Setting (ft-bgs):

67-82

Casing Diameter (in):

2

Well Casing Material:

Static Water Level (ft-bmp):

47.53

Total Depth (ft-bmp):

83.65

Water Column(ft):

36.12

Liters in Well:

22.31

Depth to Product (ft-bmp):

Pump Intake Depth(ft-bmp):

79

Purge Method:

Low Flow

Purging Equipment:

Portable Bladder

Purge Start Time:

13:39

Total Volume Purged (liters):

10

Sample ID:

MW-80-082-0325

Sample Time:

14:00

Purge End Time:

13:59

Well Volumes Purged (total):

0.45

Replicate Type / Replicate ID:

NA / NA

Water Quality Meter/ ID:

Hach 2100-P,Hanna HI 98129 /

Scope of work completed?

Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (mg/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:39	0	500	mL/min	47.53	6.94	4.48	4.06	6968	19	5.2	25.22	-87.2	Clear	No Odor
13:43	4	500	mL/min	47.53	6.83	5.27	4.72	9199	15	3.84	25.99	-93.8	Clear	No Odor
13:47	8	500	mL/min	47.53	6.76	5.27	4.72	9768	12	2.79	26.2	-100.7	Clear	No Odor
13:51	12	500	mL/min	47.53	6.74	5.27	4.72	10030	6	2.24	26.42	-108.3	Clear	No Odor
13:55	16	500	mL/min	47.53	6.75	5.27	4.72	10040	6	2.2	26.42	-108.7	Clear	No Odor
13:59	20	500	mL/min	47.53	6.74	5.27	4.72	10050	6	2.19	26.39	-108.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
9	1	1

Comments: None

Well Information:

Well Labeled Properly:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition?

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-81-043	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			James San		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	22.8-42.8	Casing Diameter (in):	2	Well Casing Material:	
Static Water Level (ft-bmp):	23.15	Total Depth (ft-bmp):	44.1	Water Column(ft):	20.95	Liters in Well:	12.94
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	34	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	13:12	Total Volume Purged (liters):	10	Sample ID:	MW-81-043-0325	Sample Time:	13:33
Purge End Time:	13:32	Well Volumes Purged (total):	0.77	Replicate Type / Replicate ID:	Equipment Blank / EB-742-Q125	Water Quality Meter/ ID:	Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm ^e)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:12	0	500	mL/min	23.15	6.89	5.88	5.22	10440	13	0.99	27.76	135.9	Clear	No Odor
13:16	4	500	mL/min	23.15	6.88	5.88	5.22	10460	9	0.97	27.59	135.6	Clear	No Odor
13:20	8	500	mL/min	23.15	6.87	5.88	5.22	10470	6	0.93	27.56	135.9	Clear	No Odor
13:24	12	500	mL/min	23.15	6.86	5.88	5.22	10490	6	0.92	27.32	136.9	Clear	No Odor
13:28	16	500	mL/min	23.15	6.87	5.88	5.22	10500	6	0.95	27.27	137.1	Clear	No Odor
13:32	20	500	mL/min	23.15	6.86	5.88	5.22	10490	6	0.97	27.17	137.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Labeled Properly: yes

Is Well in Good Condition? good

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	MW-81-098	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	Cloudy	Field Technician:			James San	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	78-98	Casing Diameter (in):	2	Well Casing Material:
Static Water Level (ft-bmp):	23.41	Total Depth (ft-bmp):	99.3	Water Column(ft):	75.89	Liters in Well: 46.88
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	96	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	12:04	Total Volume Purged (liters):	10	Sample ID:	MW-81-098-0325	Sample Time: 12:25
Purge End Time:	12:24	Well Volumes Purged (total):	0.21	Replicate Type / Replicate ID:	Duplicate / MW-928-Q125	Water Quality Meter/ ID: Hach 2100-P,Hanna HI 98129 /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (µS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:04	0	500	mL/min	23.41	6.98	5.8	5.15	10310	7	1.64	26.46	138	Clear	No Odor
12:08	4	500	mL/min	23.41	6.94	5.8	5.15	10300	6	1.59	26.5	138.3	Clear	No Odor
12:12	8	500	mL/min	23.41	6.92	5.8	5.15	10300	6	1.53	26.57	138.1	Clear	No Odor
12:16	12	500	mL/min	23.41	6.91	5.8	5.15	10300	6	1.52	26.56	138.1	Clear	No Odor
12:20	16	500	mL/min	23.41	6.92	5.8	5.15	10300	6	1.53	26.57	138.1	Clear	No Odor
12:24	20	500	mL/min	23.41	6.91	5.8	5.15	10300	6	1.52	26.49	138.6	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	2	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	2	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	2	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	2	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments: _____



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT5D	Date(s):	2025-03-10	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL	
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area: Default Site
Weather(°F):	CLEAR, T:75.56 °F, rH:16%, Clouds: 0%, Wind:0mph N			Field Technician:	Riggie Tep	
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	95-105	Casing Diameter (in):	Well Casing Material:	
Static Water Level (ft-bmp):	19.37	Total Depth (ft-bmp):	105.14	Water Column(ft):	85.77	Liters in Well:
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment: Peristaltic Pump
Purge Start Time:	13:23	Total Volume Purged (liters):	7.5	Sample ID:	PT5D-0325	Sample Time: 13:39
Purge End Time:	13:38	Well Volumes Purged (total):		Replicate Type / Replicate ID:	Equipment Blank / EB-739-Q125	Water Quality Meter/ ID: Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes					

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
13:26	0	500	mL/min	19.4	7.08	4.39	5.15	7917	16	0.43	23.4	-50.6	Clear	No Odor
13:29	3	500	mL/min	19.4	7.08	4.45	5.21	8008	12	0.28	23.5	-35.8	Clear	No Odor
13:32	6	500	mL/min	19.4	7.06	4.53	5.31	8162	11	0.18	23.5	-20.7	Clear	No Odor
13:35	9	500	mL/min	19.4	7.03	4.58	5.36	8243	11	0.14	23.5	-16.5	Clear	No Odor
13:38	12	500	mL/min	19.4	7.02	4.63	5.41	8309	11	0.12	23.4	-14.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
11	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Is Well in Good Condition? good

Well Inspection Comments:



Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PT6D	Date(s):	2025-03-10	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	clear	Field Technician:			Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	95-105	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	21.91	Total Depth (ft-bmp):	106.09	Water Column(ft):	84.18	Liters in Well:	
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	100	Purge Method:	Low Flow	Purging Equipment:	Peristaltic Pump
Purge Start Time:	12:51	Total Volume Purged (liters):	7.5	Sample ID:	PT6D-0325	Sample Time:	13:07
Purge End Time:	13:06	Well Volumes Purged (total):		Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
12:54	0	500	mL/min	21.93	7.04	3.63	4.31	6631	22	0.6	23.3	29.6	Clear	No Odor
12:57	3	500	mL/min	21.93	7.05	3.63	4.31	6636	17	0.3	23.3	39.5	Clear	No Odor
13:00	6	500	mL/min	21.93	7.06	3.63	4.31	6637	15	0.25	23.4	43.1	Clear	No Odor
13:03	9	500	mL/min	21.93	7.06	3.63	4.31	6639	15	0.21	23.4	45.5	Clear	No Odor
13:06	12	500	mL/min	21.93	7.06	3.63	4.31	6638	15	0.18	23.4	46.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
15	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-02D	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLOUDS, T:69.57 °F, rH:21%, Clouds: 39%, Wind:21.81mph SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	113-148	Casing Diameter (in):	6	Well Casing Material:	
Static Water Level (ft-bmp):	39.53	Total Depth (ft-bmp):	149.61	Water Column(ft):	110.08	Gallons in Well:	161.69
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	131	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:02	Total Volume Purged (gallons):	20	Sample ID:	TW-02D-0325	Sample Time:	10:23
Purge End Time:	10:23	Well Volumes Purged (total):	0.12	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:06	0	1	gpm	39.55	7.23	4.53	5.32	8191	17	0.15	28.1	43.6	Clear	No Odor
10:10	4	1	gpm	39.55	7.23	4.52	5.32	8191	10	0.18	28.2	28.8	Clear	No Odor
10:14	8	1	gpm	39.55	7.24	4.52	5.32	8187	7	0.13	28.3	21.3	Clear	No Odor
10:18	12	1	gpm	39.55	7.24	4.52	5.32	8191	7	0.09	28.3	17	Clear	No Odor
10:22	16	1	gpm	39.55	7.24	4.52	5.32	8186	7	0.06	28.4	14.1	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
7	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-02S	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:67.95 °F, rH:20%, Clouds: 0%, Wind:9.22mph S-SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	42.5-92.5	Casing Diameter (in):	6	Well Casing Material:	
Static Water Level (ft-bmp):	39.51	Total Depth (ft-bmp):	96.27	Water Column(ft):	56.76	Gallons in Well:	83.37
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	65	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	09:16	Total Volume Purged (gallons):	20	Sample ID:	TW-02S-0325	Sample Time:	09:37
Purge End Time:	09:36	Well Volumes Purged (total):	0.24	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /

Scope of work completed? Yes

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
09:20	0	1	gpm	39.53	7	4.38	5.17	7953	13	0.66	28.1	86.1	Clear	No Odor
09:24	4	1	gpm	39.53	7.1	4.38	5.17	7948	9	0.58	28.3	71.9	Clear	No Odor
09:28	8	1	gpm	39.53	7.15	4.38	5.17	7953	8	0.5	28.2	59.8	Clear	No Odor
09:32	12	1	gpm	39.53	7.16	4.38	5.16	7944	8	0.51	28.3	57	Clear	No Odor
09:36	16	1	gpm	39.53	7.17	4.38	5.16	7944	8	0.54	28.3	53.7	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
8	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
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mL/min = milliliters per minute

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NTU = Nephelometric Turbidity Unit
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mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	TW-03D	Date(s):	2025-03-11	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US	Area:	Default Site
Weather(°F):	CLEAR, T:69.33 °F, rH:19%, Clouds: 0%, Wind:12.66mph SE			Field Technician:	Riggie Tep		
Measuring Pt. Description:	Top of Inner Casing	Screen Setting (ft-bgs):	111-156	Casing Diameter (in):	8	Well Casing Material:	
Static Water Level (ft-bmp):	39.3	Total Depth (ft-bmp):	152.32	Water Column(ft):	113.02	Gallons in Well:	295.12
Depth to Product (ft-bmp):		Pump Intake Depth(ft-bmp):	135	Purge Method:	Low Flow	Purging Equipment:	Submersible Pump
Purge Start Time:	10:39	Total Volume Purged (gallons):	20	Sample ID:	TW-03D-0325	Sample Time:	11:00
Purge End Time:	10:59	Well Volumes Purged (total):	0.07	Replicate Type / Replicate ID:	NA / NA	Water Quality Meter/ ID:	Hach 2100-P,YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Salinity (ppt)	Total Dissolved Solids (g/L)	Specific Conductivity (mS/cm°)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
													Color	Odor
10:43	0	1	gpm	39.32	7.18	4.37	5.15	7933	12	0.5	28.4	50.8	Clear	No Odor
10:47	4	1	gpm	39.32	7.16	4.37	5.16	7933	6	0.45	28.5	46.4	Clear	No Odor
10:51	8	1	gpm	39.32	7.15	4.53	5.34	8201	6	0.43	28.5	44.9	Clear	No Odor
10:55	12	1	gpm	39.32	7.14	4.54	5.35	8218	6	0.42	28.5	44	Clear	No Odor
10:59	16	1	gpm	39.32	7.15	4.54	5.35	8222	6	0.21	28.5	38.4	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Arsenic, dissolved (SW 6020),Barium, dissolved (SW 6020),Manganese, dissolved (SW 6020),Iron, dissolved (SW 6020A)	Plastic	1	500 mL	HNO3
Nitrate as N (EPA 300.0),Sulfate (EPA 300.0)	Plastic	1	1 L	None
Total organic carbon (SM 5310 B)	Amber Glass	1	250 mL	H2SO4

Pre-Filter Turbidity	Post-Filter Turbidity	Number of Filters Used
6	1	1

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

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NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
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mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Well Inspection Comments:


Description:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milliSiemens per centimeter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
gpm = gallons per minute

Location ID:	PTI-1D	Date(s):	2025-03-13	Work Order(s):	PGE_Topock_2025_Q1_Mar_Monthly_V1_FINAL		
Client:	Pacific Gas and Electric	Facility:	Topock	Facility Location:	515 National Trails Hwy, Needles, CA 92363, US		Area: Default Site
Weather(°F):	Cloudy and breezy			Field Technician:	Cameron Stone		
Measuring Pt. Description:	Ground Surface	Screen Setting (ft-bgs):	-	Casing Diameter (in):	Well Casing Material:		
Static Water Level (ft-bmp):	Total Depth (ft-bmp):			Water Column(ft):	Gallons in Well:		
Depth to Product (ft-bmp):	Pump Intake Depth(ft-bmp):			Purge Method:	Purging Equipment:		
Purge Start Time:	Total Volume Purged (gallons):			Sample ID:	PTI-1D-0325	Sample Time:	08:58
Purge End Time:	Well Volumes Purged (total):			Replicate Type / Replicate ID:	N/A	Water Quality Meter/ ID:	YSI ProPlus /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm ^c)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
08:49	0				6.61	9485	3.4	1.28	20.9	71.2	Clear	No Odor

Constituent Sampled	Container	Number	Volume	Preservative
Chromium, Hexavalent (EPA 218.6)	Plastic	1	250 mL	(NH4)2SO4/NaOH
Iron (SW 6010B)	Plastic	1	500 mL	HNO3
Iron, dissolved (SW 6020A),Manganese, dissolved (SW 6020)	Plastic	1	500 mL	HNO3

Comments: None

Well Information:

Well Labeled Properly:

Is Well in Good Condition?

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
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