

Appendix A
Regional and Site Water Level Targets
PGE
Topock Compressor Station
Needles, California

Name	Site or Regional Target?	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-10	Site	7614886.60	2100984.20	1	455.45	455.95	-0.50
MW-11	Site	7614865.33	2101557.09	1	455.90	455.86	0.04
MW-12	Site	7615923.61	2101429.49	1	455.51	455.50	0.02
MW-20-070	Site	7615893.48	2102493.39	1	454.02	454.52	-0.50
MW-21	Site	7616099.26	2101486.75	1	455.24	455.39	-0.15
MW-22	Site	7616359.75	2101566.69	1	454.96	455.08	-0.13
MW-23-060	Site	7616448.25	2101286.36	1	455.24	456.31	-1.07
MW-23-080	Site	7616448.50	2101286.33	1	455.32	456.31	-0.98
MW-25	Site	7615303.59	2102351.22	1	455.45	455.34	0.11
MW-26	Site	7615787.70	2101911.86	1	455.15	455.23	-0.08
MW-27-020	Site	7616557.66	2102294.73	1	455.21	454.97	0.25
MW-28-025	Site	7616280.73	2103003.90	1	455.16	455.05	0.11
MW-30-030	Site	7616141.26	2102499.58	1	454.80	454.60	0.20
MW-32-035	Site	7616306.62	2102034.68	1	454.93	454.91	0.02
MW-33-040	Site	7615916.42	2103280.79	1	455.02	455.15	-0.13
MW-35-060	Site	7615317.50	2104058.80	1	455.56	455.51	0.05
MW-36-020	Site	7616267.10	2102542.57	1	454.92	454.65	0.26
MW-36-040	Site	7616267.58	2102537.20	1	454.88	454.65	0.22
MW-38S	Site	7614918.75	2101279.65	1	454.95	455.90	-0.94
MW-39-040	Site	7616091.44	2102506.22	1	454.71	454.57	0.14
MW-42-030	Site	7616282.09	2102309.31	1	454.84	454.73	0.11
MW-43-025	Site	7616702.79	2101817.51	1	455.13	455.02	0.11
MW-47-055	Site	7615629.48	2103450.05	1	455.43	455.36	0.07
OW-01S	Site	7613419.20	2103040.48	1	456.55	456.75	-0.20
OW-02S	Site	7613373.76	2103153.89	1	456.57	456.74	-0.17
OW-05S	Site	7613186.80	2103017.60	1	456.61	456.80	-0.19
34433000000000	Regional	7625069.39	2106772.50	1	465.50	462.46	3.04
34452900000000	Regional	7618681.66	2117472.83	1	459.50	459.77	-0.27
GMW-5	Regional	7602236.61	2117425.20	1	456.00	456.64	-0.64
USGS-2	Regional	7618569.62	2115046.74	1	459.31	459.47	-0.16
34425100000000	Regional	7611590.67	2100571.88	1	456.53	456.85	-0.32
34425300000000	Regional	7610984.21	2100693.41	1	457.45	456.88	0.57
34425300000000	Regional	7611959.84	2100716.22	1	457.98	456.76	1.22
34425700000000	Regional	7616448.04	2101285.43	1	456.04	456.31	-0.27
34425900000000	Regional	7615114.14	2101451.27	1	456.44	455.80	0.64
34425900000000	Regional	7616099.39	2101486.69	1	455.94	455.39	0.55
34430000000000	Regional	7612170.79	2101495.34	1	458.47	456.64	1.83
34430000000000	Regional	7616359.67	2101567.59	1	455.78	455.08	0.70
34430400000000	Regional	7616305.75	2102035.05	1	456.20	454.91	1.29
34430400000000	Regional	7616304.59	2102045.13	1	456.10	454.90	1.20
34430900000000	Regional	7615893.00	2102493.01	1	456.06	454.52	1.54
34430900000000	Regional	7616150.73	2102504.03	1	455.53	454.60	0.93

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34431400000000	Regional	7615587.68	2103008.34	1	456.18	455.10	1.08
34431700000000	Regional	7615916.46	2103280.79	1	455.80	455.15	0.65
34433700000000	Regional	7609821.22	2105174.47	1	456.68	456.28	0.40
34433800000000	Regional	7609881.52	2105242.31	1	456.77	456.23	0.54
34433800000000	Regional	7609994.90	2105271.54	1	456.97	456.17	0.80
34433900000000	Regional	7609915.13	2105332.49	1	456.78	456.16	0.62
34443400000000	Regional	7616660.91	2111132.97	1	457.14	457.39	-0.25
34443400000000	Regional	7616660.91	2111132.97	1	456.14	457.39	-1.25
34443400000000	Regional	7616660.91	2111132.97	1	456.14	457.39	-1.25
34452700000000	Regional	7618766.27	2116534.39	1	459.14	459.72	-0.58
34452700000000	Regional	7618766.40	2116554.62	1	456.84	459.72	-2.88
34452700000000	Regional	7618546.62	2116584.36	1	456.14	459.62	-3.48
34452900000000	Regional	7618760.84	2116808.32	1	462.84	459.74	3.10
34455500000000	Regional	7614195.65	2119231.13	1	459.04	457.87	1.17
34460700000000	Regional	7613613.04	2120402.39	1	457.74	457.43	0.30
34460700000000	Regional	7612791.10	2120441.51	1	458.80	456.88	1.92
34460700000000	Regional	7614232.93	2120483.70	1	453.94	457.79	-3.85
34461600000000	Regional	7614299.74	2121368.08	1	460.14	457.84	2.30
34463500000000	Regional	7613550.55	2123223.40	1	465.14	457.82	7.32
220126_	Regional	7601960.10	2118316.55	1	453.10	456.76	-3.66
220127_	Regional	7602269.07	2121492.33	1	455.10	457.11	-2.01
220361_	Regional	7602040.37	2116413.20	1	456.10	456.88	-0.78
501091_	Regional	7612831.59	2120540.76	1	455.20	456.80	-1.60
344408114260401	Regional	7630945.94	2110621.73	1	471.33	469.04	2.29
C_SANDERS	Regional	7619016.18	2101892.54	1	456.37	455.10	1.26
LANGMAACK	Regional	7617348.45	2120213.45	1	458.14	459.34	-1.20
MTS-1	Regional	7623878.02	2105296.83	1	466.74	460.79	5.95
PGE-9N	Regional	7617881.71	2101365.88	1	454.82	454.99	-0.17
PGE-9S	Regional	7617881.03	2101342.21	1	454.73	454.99	-0.26
ZEGLER	Regional	7613802.09	2118981.46	1	456.80	457.73	-0.93
MW-20-100	Site	7615881.03	2102506.33	2	453.53	454.37	-0.84
MW-27-060	Site	7616534.75	2102288.27	2	455.09	454.93	0.16
MW-30-050	Site	7616150.98	2102503.83	2	454.86	454.57	0.29
MW-33-090	Site	7615914.59	2103287.43	2	455.29	455.17	0.12
MW-34-055	Site	7616444.49	2102542.45	2	455.09	454.81	0.28
MW-36-050	Site	7616267.47	2102532.17	2	454.81	454.61	0.21
MW-36-070	Site	7616267.18	2102542.67	2	454.84	454.61	0.23
MW-37S	Site	7614827.87	2102869.45	2	455.17	455.69	-0.52
MW-39-050	Site	7616095.96	2102498.75	2	454.57	454.54	0.03
MW-39-060	Site	7616099.45	2102495.05	2	454.40	454.54	-0.15
MW-39-070	Site	7616091.38	2102506.30	2	454.09	454.53	-0.44
MW-44-070	Site	7616255.62	2102728.31	2	454.97	454.75	0.21
MW-50-095	Site	7615599.84	2103069.27	2	455.22	455.16	0.06
MW-55-045	Site	7618326.30	2102605.89	2	456.09	455.28	0.80
34430900000000	Regional	7615880.87	2102505.74	2	456.44	454.38	2.06

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34431700000000	Regional	7615914.53	2103287.81	2	455.73	455.17	0.56
34432700000000	Regional	7605348.01	2103970.48	2	462.20	456.99	5.21
34455200000000	Regional	7616599.65	2119069.31	2	461.84	458.91	2.93
34460000000000	Regional	7613533.80	2119562.09	2	459.44	457.57	1.86
34460200000000	Regional	7613713.95	2119973.99	2	461.34	457.59	3.75
34460600000000	Regional	7613062.11	2120329.57	2	458.34	457.11	1.23
34460600000000	Regional	7614455.22	2120333.65	2	459.64	457.96	1.68
34460700000000	Regional	7613595.65	2120613.20	2	457.48	457.38	0.10
34460800000000	Regional	7613118.47	2120509.57	2	459.54	457.04	2.50
34461100000000	Regional	7612599.40	2120792.92	2	461.64	456.36	5.27
34461200000000	Regional	7612803.90	2120913.33	2	459.04	456.23	2.81
34461200000000	Regional	7614282.52	2121047.84	2	459.14	457.81	1.33
34461300000000	Regional	7614282.64	2121116.64	2	461.74	457.81	3.92
34461500000000	Regional	7612589.84	2121258.90	2	457.84	452.19	5.65
34461700000000	Regional	7612941.06	2121456.23	2	458.84	456.09	2.75
34463500000000	Regional	7612723.03	2123281.53	2	456.94	457.48	-0.54
34432700000000	Regional	7605587.04	2103976.26	2	462.23	456.97	5.26
503211_	Regional	7612831.59	2120540.76	2	458.20	456.81	1.39
918945_	Regional	7619823.70	2107586.72	2	457.60	458.03	-0.43
918946_	Regional	7619823.70	2107586.72	2	457.60	458.03	-0.43
MW-20-130	Site	7615881.52	2102493.68	3	453.37	454.24	-0.87
MW-27-085	Site	7616540.34	2102290.53	3	455.07	454.93	0.15
MW-28-090	Site	7616289.73	2103005.68	3	455.15	455.04	0.12
MW-31-135	Site	7615819.13	2102835.29	3	454.21	454.53	-0.31
MW-34-080	Site	7616444.98	2102535.25	3	455.16	454.70	0.46
MW-34-100	Site	7616452.41	2102530.60	3	454.86	454.73	0.13
MW-35-135	Site	7615329.76	2104045.82	3	455.76	455.54	0.21
MW-36-090	Site	7616267.63	2102537.34	3	453.97	454.44	-0.47
MW-36-100	Site	7616267.51	2102532.37	3	454.23	454.44	-0.22
MW-39-080	Site	7616095.86	2102498.83	3	454.08	454.48	-0.40
MW-39-100	Site	7616099.30	2102494.96	3	454.56	454.48	0.08
MW-42-065	Site	7616274.98	2102296.96	3	454.76	454.68	0.09
MW-43-090	Site	7616693.22	2101824.65	3	455.48	455.05	0.43
MW-44-115	Site	7616262.10	2102723.85	3	454.55	454.71	-0.17
MW-44-125	Site	7616255.55	2102728.48	3	455.03	454.72	0.31
MW-45-095a	Site	7616358.12	2102559.75	3	453.85	453.83	0.02
MW-45-095B	Site	7616358.12	2102559.75	3	453.86	453.83	0.03
MW-47-115	Site	7615629.75	2103450.10	3	455.46	455.37	0.09
MW-49-135	Site	7615889.63	2103667.52	3	455.40	455.36	0.04
MW-51	Site	7615807.51	2101900.11	3	455.04	455.22	-0.18
MW-54-085	Site	7617082.61	2102958.94	3	455.52	455.21	0.31
MW-55-120	Site	7618326.13	2102606.18	3	456.07	455.30	0.76
PT2D	Site	7616017.74	2102646.24	3	453.90	454.30	-0.39
PT5D	Site	7616112.09	2102629.47	3	454.33	454.48	-0.14
PT6D	Site	7616074.62	2102672.77	3	454.30	454.44	-0.14

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Name	Site or Regional Target?	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
344259000000000	Regional	7615069.56	2101436.57	3	456.46	455.81	0.65
344300000000000	Regional	7612166.44	2101452.72	3	455.39	456.64	-1.25
344300000000000	Regional	7612170.40	2101482.18	3	458.22	456.64	1.58
344309000000000	Regional	7615881.25	2102494.62	3	455.88	454.23	1.65
344314000000000	Regional	7612604.03	2102894.19	3	456.98	456.60	0.38
344552000000000	Regional	7613788.67	2118980.24	3	461.14	457.73	3.41
WEYANT	Regional	7614274.07	2119327.94	3	457.10	457.91	-0.81
344556000000000	Regional	7616820.94	2119449.30	3	457.54	459.03	-1.49
344557000000000	Regional	7612632.50	2119411.31	3	457.34	457.29	0.05
344601000000000	Regional	7617327.17	2119916.12	3	462.54	459.31	3.23
344602000000000	Regional	7613508.21	2119888.93	3	455.34	457.51	-2.17
MELLETTTE	Regional	7617657.26	2120263.51	3	457.88	459.50	-1.62
344604000000000	Regional	7616106.38	2120308.38	3	461.54	458.78	2.76
SCOTT	Regional	7617356.61	2120577.68	3	457.94	459.37	-1.43
344609000000000	Regional	7613254.67	2120602.32	3	461.28	457.09	4.19
344610000000000	Regional	7615522.04	2120834.19	3	457.74	458.55	-0.81
344610000000000	Regional	7616539.68	2120855.60	3	459.24	459.00	0.24
344610000000000	Regional	7617576.57	2120995.06	3	455.86	459.52	-3.66
344614000000000	Regional	7615434.70	2121232.72	3	459.64	458.54	1.10
344617000000000	Regional	7614295.86	2121502.49	3	456.14	457.88	-1.74
SPIEGEL	Regional	7613905.21	2121885.37	3	457.43	457.62	-0.19
344624000000000	Regional	7617161.81	2122280.36	3	457.24	459.43	-2.20
344628000000000	Regional	7617316.35	2122778.39	3	458.54	459.59	-1.05
344629000000000	Regional	7612572.72	2122637.01	3	463.14	457.21	5.93
344636000000000	Regional	7614522.66	2123519.30	3	459.64	458.39	1.25
344640000000000	Regional	7616098.79	2123868.72	3	461.14	459.19	1.95
344643000000000	Regional	7615911.38	2124216.20	3	458.14	459.15	-1.02
502903_	Regional	7615412.52	2121953.06	3	457.80	458.60	-0.80
508308_	Regional	7616795.77	2120019.01	3	455.80	459.05	-3.25
MW-33-150	Site	7615906.05	2103302.57	4	455.21	455.24	-0.03
MW-46-175	Site	7616196.86	2102940.02	4	455.11	454.97	0.14
MW-54-140	Site	7617082.16	2102959.12	4	455.90	455.22	0.68
OW-05M	Site	7613185.86	2103008.06	4	457.46	457.06	0.40
344308000000000	Regional	7615303.27	2102351.04	4	456.57	455.34	1.23
344326000000000	Regional	7607294.68	2103950.88	4	456.57	456.74	-0.17
SERRANO	Regional	7618929.18	2114839.71	4	458.36	459.62	-1.26
BEA_SCOTT	Regional	7615575.32	2119190.30	4	457.22	458.51	-1.29
344558000000000	Regional	7616982.55	2119578.36	4	457.64	459.11	-1.47
344609000000000	Regional	7615053.40	2120677.21	4	457.94	458.32	-0.38
344616000000000	Regional	7614866.47	2121417.20	4	461.64	458.27	3.37
TOPOCK_SCHOOL	Regional	7618544.49	2122102.19	4	457.64	460.14	-2.50
344631000000000	Regional	7617141.42	2122958.39	4	461.14	459.52	1.61
344633000000000	Regional	7617294.36	2123048.71	4	460.14	459.61	0.52
344645000000000	Regional	7617973.99	2124401.66	4	457.14	460.22	-3.08
344647000000000	Regional	7617929.21	2124656.01	4	457.04	460.25	-3.21

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34464800000000	Regional	7618542.59	2124729.09	4	460.14	460.68	-0.54
_344619114290101	Regional	7618554.25	2121109.95	4	459.00	460.04	-1.04
203812_344519114282401	Regional	7621683.32	2117578.14	4	455.70	461.43	-5.73
MW-54-195	Site	7617089.25	2102951.90	5	455.92	455.24	0.68
RPGS	Regional	7617912.94	2112339.02	5	458.80	458.55	0.24
600187_344318114282701	Regional	7619191.35	2102924.41	5	463.10	455.68	7.42
OW-05D	Site	7613185.55	2102998.32	6	457.16	457.05	0.11
531890_344330114274901	Regional	7625069.39	2106772.50	9	463.90	462.47	1.43
611577_344408114260401	Regional	7630945.94	2110621.73	9	464.60	468.22	-3.62
222635_	Regional	7619965.94	2104271.46	9	460.80	457.13	3.67
222636_	Regional	7619823.70	2107586.72	9	448.60	458.20	-9.60

Appendix B
 Transient Calibration Data
 PGE
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 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-10	15.00	7614886.60	2100984.20	1	455.66	455.81	-0.15
MW-10	46.00	7614886.60	2100984.20	1	455.14	455.33	-0.19
MW-10	77.00	7614886.60	2100984.20	1	454.71	455.01	-0.29
MW-10	105.00	7614886.60	2100984.20	1	454.79	455.13	-0.34
MW-10	136.00	7614886.60	2100984.20	1	455.04	455.50	-0.47
MW-10	166.00	7614886.60	2100984.20	1	455.72	456.14	-0.42
MW-10	197.00	7614886.60	2100984.20	1	456.02	456.50	-0.48
MW-10	227.00	7614886.60	2100984.20	1	455.94	456.50	-0.56
MW-10	258.00	7614886.60	2100984.20	1	455.86	456.44	-0.58
MW-10	289.00	7614886.60	2100984.20	1	455.79	456.32	-0.53
MW-11	15.00	7614865.33	2101557.09	1	455.86	455.71	0.14
MW-11	46.00	7614865.33	2101557.09	1	455.41	455.21	0.19
MW-11	77.00	7614865.33	2101557.09	1	455.14	454.89	0.24
MW-11	105.00	7614865.33	2101557.09	1	455.35	455.04	0.32
MW-11	136.00	7614865.33	2101557.09	1	455.70	455.42	0.27
MW-11	166.00	7614865.33	2101557.09	1	456.46	456.08	0.38
MW-11	197.00	7614865.33	2101557.09	1	456.69	456.43	0.26
MW-11	227.00	7614865.33	2101557.09	1	456.62	456.42	0.19
MW-11	258.00	7614865.33	2101557.09	1	455.72	456.35	-0.63
MW-12	15.00	7615923.61	2101429.49	1	455.22	455.21	0.02
MW-12	46.00	7615923.61	2101429.49	1	454.78	454.55	0.23
MW-12	77.00	7615923.61	2101429.49	1	454.50	454.51	0.00
MW-12	105.00	7615923.61	2101429.49	1	454.73	454.68	0.05
MW-12	136.00	7615923.61	2101429.49	1	455.14	455.31	-0.18
MW-12	166.00	7615923.61	2101429.49	1	455.93	456.01	-0.08
MW-12	197.00	7615923.61	2101429.49	1	456.23	456.18	0.05
MW-12	227.00	7615923.61	2101429.49	1	456.14	456.11	0.03
MW-12	258.00	7615923.61	2101429.49	1	456.03	455.96	0.06
MW-12	289.00	7615923.61	2101429.49	1	455.97	455.86	0.11
MW-12	319.00	7615923.61	2101429.49	1	455.87	455.83	0.04
MW-12	350.00	7615923.61	2101429.49	1	455.87	455.60	0.27
MW-20-070	15.00	7615893.48	2102493.39	1	453.32	454.01	-0.69
MW-20-070	46.00	7615893.48	2102493.39	1	452.57	453.11	-0.54
MW-20-070	77.00	7615893.48	2102493.39	1	452.91	453.47	-0.56
MW-20-070	105.00	7615893.48	2102493.39	1	453.24	453.68	-0.45
MW-20-070	136.00	7615893.48	2102493.39	1	454.22	454.70	-0.48
MW-20-070	166.00	7615893.48	2102493.39	1	455.19	455.50	-0.31
MW-20-070	197.00	7615893.48	2102493.39	1	455.00	455.38	-0.38
MW-20-070	227.00	7615893.48	2102493.39	1	454.64	455.17	-0.53
MW-20-070	258.00	7615893.48	2102493.39	1	454.44	454.94	-0.50
MW-20-070	289.00	7615893.48	2102493.39	1	454.47	454.93	-0.46
MW-20-070	319.00	7615893.48	2102493.39	1	454.21	454.85	-0.64

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-20-070	350.00	7615893.48	2102493.39	1	453.99	454.46	-0.46
MW-20-100	15.00	7615881.03	2102506.33	2	452.84	453.87	-1.03
MW-20-100	46.00	7615881.03	2102506.33	2	452.07	452.98	-0.91
MW-20-100	77.00	7615881.03	2102506.33	2	452.48	453.32	-0.84
MW-20-100	105.00	7615881.03	2102506.33	2	452.75	453.53	-0.78
MW-20-100	136.00	7615881.03	2102506.33	2	453.80	454.55	-0.75
MW-20-100	166.00	7615881.03	2102506.33	2	454.79	455.36	-0.57
MW-20-100	197.00	7615881.03	2102506.33	2	454.51	455.24	-0.73
MW-20-100	227.00	7615881.03	2102506.33	2	454.16	455.02	-0.86
MW-20-100	258.00	7615881.03	2102506.33	2	453.90	454.79	-0.90
MW-20-100	289.00	7615881.03	2102506.33	2	454.01	454.80	-0.79
MW-20-100	319.00	7615881.03	2102506.33	2	453.65	454.69	-1.03
MW-20-100	350.00	7615881.03	2102506.33	2	453.44	454.31	-0.87
MW-20-130	15.00	7615881.52	2102493.68	3	452.47	453.73	-1.26
MW-20-130	46.00	7615881.52	2102493.68	3	452.19	452.84	-0.65
MW-20-130	77.00	7615881.52	2102493.68	3	452.29	453.19	-0.90
MW-20-130	105.00	7615881.52	2102493.68	3	452.26	453.39	-1.13
MW-20-130	136.00	7615881.52	2102493.68	3	453.47	454.41	-0.94
MW-20-130	166.00	7615881.52	2102493.68	3	454.50	455.23	-0.74
MW-20-130	197.00	7615881.52	2102493.68	3	454.15	455.11	-0.96
MW-20-130	227.00	7615881.52	2102493.68	3	453.75	454.88	-1.12
MW-20-130	258.00	7615881.52	2102493.68	3	453.52	454.65	-1.14
MW-20-130	289.00	7615881.52	2102493.68	3	453.69	454.68	-0.99
MW-20-130	319.00	7615881.52	2102493.68	3	453.23	454.53	-1.30
MW-20-130	350.00	7615881.52	2102493.68	3	453.03	454.17	-1.14
MW-21	15.00	7616099.26	2101486.75	1	454.10	455.03	-0.93
MW-21	46.00	7616099.26	2101486.75	1	454.64	454.30	0.35
MW-21	77.00	7616099.26	2101486.75	1	454.28	454.40	-0.12
MW-21	105.00	7616099.26	2101486.75	1	454.47	454.58	-0.11
MW-21	136.00	7616099.26	2101486.75	1	454.88	455.33	-0.45
MW-21	166.00	7616099.26	2101486.75	1	455.77	456.02	-0.25
MW-21	197.00	7616099.26	2101486.75	1	455.67	456.11	-0.44
MW-21	227.00	7616099.26	2101486.75	1	456.00	456.02	-0.02
MW-21	258.00	7616099.26	2101486.75	1	455.86	455.84	0.02
MW-21	289.00	7616099.26	2101486.75	1	455.82	455.75	0.07
MW-21	319.00	7616099.26	2101486.75	1	455.69	455.74	-0.04
MW-21	350.00	7616099.26	2101486.75	1	455.66	455.44	0.22
MW-22	15.00	7616359.75	2101566.69	1	454.28	454.40	-0.12
MW-22	46.00	7616359.75	2101566.69	1	453.78	453.39	0.39
MW-22	77.00	7616359.75	2101566.69	1	453.93	454.13	-0.20
MW-22	105.00	7616359.75	2101566.69	1	454.32	454.33	0.00
MW-22	136.00	7616359.75	2101566.69	1	455.48	455.54	-0.06
MW-22	166.00	7616359.75	2101566.69	1	455.87	456.20	-0.33
MW-22	197.00	7616359.75	2101566.69	1	455.58	455.93	-0.34
MW-22	227.00	7616359.75	2101566.69	1	455.45	455.77	-0.32

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-22	258.00	7616359.75	2101566.69	1	455.20	455.47	-0.27
MW-22	289.00	7616359.75	2101566.69	1	455.25	455.38	-0.14
MW-22	319.00	7616359.75	2101566.69	1	455.26	455.49	-0.23
MW-22	350.00	7616359.75	2101566.69	1	455.11	454.91	0.20
MW-23-060	15.00	7616448.25	2101286.36	1	454.62	456.27	-1.65
MW-23-060	46.00	7616448.25	2101286.36	1	454.48	455.99	-1.50
MW-23-060	77.00	7616448.25	2101286.36	1	454.15	455.60	-1.45
MW-23-060	105.00	7616448.25	2101286.36	1	454.60	455.58	-0.98
MW-23-060	136.00	7616448.25	2101286.36	1	455.12	455.69	-0.58
MW-23-060	166.00	7616448.25	2101286.36	1	455.81	456.13	-0.31
MW-23-060	197.00	7616448.25	2101286.36	1	455.89	456.57	-0.68
MW-23-060	227.00	7616448.25	2101286.36	1	455.87	456.72	-0.85
MW-23-060	258.00	7616448.25	2101286.36	1	455.65	456.75	-1.11
MW-23-060	289.00	7616448.25	2101286.36	1	455.59	456.68	-1.09
MW-23-060	319.00	7616448.25	2101286.36	1	455.63	456.63	-1.00
MW-23-060	350.00	7616448.25	2101286.36	1	455.44	456.61	-1.17
MW-23-080	15.00	7616448.50	2101286.33	1	454.66	456.27	-1.61
MW-23-080	46.00	7616448.50	2101286.33	1	454.53	455.99	-1.46
MW-23-080	77.00	7616448.50	2101286.33	1	454.23	455.60	-1.37
MW-23-080	105.00	7616448.50	2101286.33	1	454.67	455.58	-0.90
MW-23-080	136.00	7616448.50	2101286.33	1	455.20	455.69	-0.49
MW-23-080	166.00	7616448.50	2101286.33	1	455.91	456.13	-0.22
MW-23-080	197.00	7616448.50	2101286.33	1	455.99	456.57	-0.59
MW-23-080	227.00	7616448.50	2101286.33	1	455.96	456.72	-0.76
MW-23-080	258.00	7616448.50	2101286.33	1	455.70	456.75	-1.05
MW-23-080	289.00	7616448.50	2101286.33	1	455.64	456.68	-1.04
MW-23-080	319.00	7616448.50	2101286.33	1	455.69	456.63	-0.94
MW-23-080	350.00	7616448.50	2101286.33	1	455.59	456.61	-1.01
MW-25	15.00	7615303.59	2102351.22	1	454.98	455.07	-0.09
MW-25	46.00	7615303.59	2102351.22	1	454.44	454.42	0.03
MW-25	77.00	7615303.59	2102351.22	1	454.34	454.29	0.05
MW-25	105.00	7615303.59	2102351.22	1	454.68	454.49	0.19
MW-25	136.00	7615303.59	2102351.22	1	455.24	455.10	0.14
MW-25	166.00	7615303.59	2102351.22	1	456.13	455.84	0.29
MW-25	197.00	7615303.59	2102351.22	1	456.29	456.05	0.24
MW-25	227.00	7615303.59	2102351.22	1	456.18	455.95	0.24
MW-25	258.00	7615303.59	2102351.22	1	455.90	455.82	0.08
MW-25	289.00	7615303.59	2102351.22	1	455.83	455.72	0.11
MW-25	319.00	7615303.59	2102351.22	1	455.74	455.65	0.09
MW-25	350.00	7615303.59	2102351.22	1	455.57	455.47	0.10
MW-26	15.00	7615787.70	2101911.86	1	454.70	454.89	-0.18
MW-26	46.00	7615787.70	2101911.86	1	454.19	454.16	0.03
MW-26	77.00	7615787.70	2101911.86	1	454.10	454.21	-0.10
MW-26	105.00	7615787.70	2101911.86	1	454.36	454.40	-0.04
MW-26	136.00	7615787.70	2101911.86	1	454.96	455.13	-0.17

Appendix B
Transient Calibration Data
PGE
Topock Compressor Station
Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-26	166.00	7615787.70	2101911.86	1	455.83	455.86	-0.03
MW-26	197.00	7615787.70	2101911.86	1	455.97	455.97	0.01
MW-26	227.00	7615787.70	2101911.86	1	455.77	455.85	-0.08
MW-26	258.00	7615787.70	2101911.86	1	455.59	455.69	-0.10
MW-26	289.00	7615787.70	2101911.86	1	455.54	455.61	-0.07
MW-26	319.00	7615787.70	2101911.86	1	455.42	455.56	-0.14
MW-26	350.00	7615787.70	2101911.86	1	455.28	455.30	-0.01
MW-27-020	15.00	7616557.66	2102294.73	1	454.09	454.11	-0.02
MW-27-020	46.00	7616557.66	2102294.73	1	453.15	452.93	0.22
MW-27-020	77.00	7616557.66	2102294.73	1	454.18	454.04	0.14
MW-27-020	105.00	7616557.66	2102294.73	1	454.38	454.24	0.14
MW-27-020	136.00	7616557.66	2102294.73	1	456.06	455.78	0.29
MW-27-020	166.00	7616557.66	2102294.73	1	456.78	456.40	0.38
MW-27-020	197.00	7616557.66	2102294.73	1	456.02	455.83	0.19
MW-27-020	227.00	7616557.66	2102294.73	1	455.83	455.67	0.15
MW-27-020	258.00	7616557.66	2102294.73	1	455.39	455.29	0.10
MW-27-020	289.00	7616557.66	2102294.73	1	455.30	455.24	0.07
MW-27-020	319.00	7616557.66	2102294.73	1	455.56	455.43	0.14
MW-27-020	350.00	7616557.66	2102294.73	1	454.83	454.65	0.17
MW-27-060	15.00	7616534.75	2102288.27	2	454.08	454.12	-0.03
MW-27-060	46.00	7616534.75	2102288.27	2	452.95	452.96	-0.01
MW-27-060	77.00	7616534.75	2102288.27	2	454.17	453.98	0.20
MW-27-060	105.00	7616534.75	2102288.27	2	454.39	454.19	0.20
MW-27-060	136.00	7616534.75	2102288.27	2	456.04	455.66	0.37
MW-27-060	166.00	7616534.75	2102288.27	2	456.69	456.32	0.38
MW-27-060	197.00	7616534.75	2102288.27	2	455.96	455.81	0.16
MW-27-060	227.00	7616534.75	2102288.27	2	455.77	455.64	0.13
MW-27-060	258.00	7616534.75	2102288.27	2	455.40	455.27	0.13
MW-27-060	289.00	7616534.75	2102288.27	2	455.31	455.22	0.09
MW-27-060	319.00	7616534.75	2102288.27	2	455.53	455.39	0.14
MW-27-060	350.00	7616534.75	2102288.27	2	454.76	454.65	0.11
MW-27-085	15.00	7616540.34	2102290.53	3	454.11	454.12	-0.01
MW-27-085	46.00	7616540.34	2102290.53	3	452.99	452.97	0.02
MW-27-085	77.00	7616540.34	2102290.53	3	454.04	453.96	0.09
MW-27-085	105.00	7616540.34	2102290.53	3	454.32	454.18	0.14
MW-27-085	136.00	7616540.34	2102290.53	3	455.96	455.64	0.32
MW-27-085	166.00	7616540.34	2102290.53	3	456.71	456.30	0.41
MW-27-085	197.00	7616540.34	2102290.53	3	456.03	455.81	0.22
MW-27-085	227.00	7616540.34	2102290.53	3	455.80	455.63	0.17
MW-27-085	258.00	7616540.34	2102290.53	3	455.39	455.27	0.12
MW-27-085	289.00	7616540.34	2102290.53	3	455.30	455.21	0.08
MW-27-085	319.00	7616540.34	2102290.53	3	455.53	455.38	0.15
MW-27-085	350.00	7616540.34	2102290.53	3	454.72	454.65	0.07
MW-28-025	15.00	7616280.73	2103003.90	1	454.10	454.24	-0.13
MW-28-025	46.00	7616280.73	2103003.90	1	452.96	453.08	-0.13

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-28-025	77.00	7616280.73	2103003.90	1	453.65	454.11	-0.45
MW-28-025	105.00	7616280.73	2103003.90	1	454.54	454.31	0.23
MW-28-025	136.00	7616280.73	2103003.90	1	455.98	455.80	0.18
MW-28-025	166.00	7616280.73	2103003.90	1	456.70	456.44	0.26
MW-28-025	197.00	7616280.73	2103003.90	1	456.00	455.91	0.08
MW-28-025	227.00	7616280.73	2103003.90	1	455.89	455.76	0.12
MW-28-025	258.00	7616280.73	2103003.90	1	455.41	455.39	0.02
MW-28-025	289.00	7616280.73	2103003.90	1	455.32	455.33	-0.01
MW-28-025	319.00	7616280.73	2103003.90	1	455.54	455.50	0.04
MW-28-025	350.00	7616280.73	2103003.90	1	454.70	454.77	-0.08
MW-28-090	15.00	7616289.73	2103005.68	3	454.23	454.29	-0.06
MW-28-090	46.00	7616289.73	2103005.68	3	453.13	453.19	-0.06
MW-28-090	77.00	7616289.73	2103005.68	3	454.18	454.05	0.13
MW-28-090	105.00	7616289.73	2103005.68	3	454.40	454.28	0.13
MW-28-090	136.00	7616289.73	2103005.68	3	455.98	455.65	0.33
MW-28-090	166.00	7616289.73	2103005.68	3	456.68	456.33	0.35
MW-28-090	197.00	7616289.73	2103005.68	3	456.05	455.90	0.15
MW-28-090	227.00	7616289.73	2103005.68	3	455.86	455.74	0.12
MW-28-090	258.00	7616289.73	2103005.68	3	455.48	455.40	0.08
MW-28-090	289.00	7616289.73	2103005.68	3	455.44	455.33	0.11
MW-28-090	319.00	7616289.73	2103005.68	3	455.57	455.46	0.10
MW-28-090	350.00	7616289.73	2103005.68	3	454.84	454.81	0.03
MW-30-050	15.00	7616150.98	2102503.83	2	453.86	453.93	-0.07
MW-30-050	46.00	7616150.98	2102503.83	2	452.88	452.92	-0.05
MW-30-050	77.00	7616150.98	2102503.83	2	453.83	453.54	0.29
MW-30-050	105.00	7616150.98	2102503.83	2	454.11	453.76	0.35
MW-30-050	136.00	7616150.98	2102503.83	2	455.51	454.97	0.54
MW-30-050	166.00	7616150.98	2102503.83	2	456.39	455.72	0.67
MW-30-050	197.00	7616150.98	2102503.83	2	455.78	455.45	0.33
MW-30-050	227.00	7616150.98	2102503.83	2	455.48	455.24	0.24
MW-30-050	258.00	7616150.98	2102503.83	2	455.10	454.95	0.15
MW-30-050	289.00	7616150.98	2102503.83	2	454.99	454.94	0.06
MW-30-050	319.00	7616150.98	2102503.83	2	455.11	454.98	0.13
MW-30-050	350.00	7616150.98	2102503.83	2	454.54	454.41	0.12
MW-31-135	15.00	7615819.13	2102835.29	3	453.43	454.01	-0.58
MW-31-135	46.00	7615819.13	2102835.29	3	452.61	453.11	-0.50
MW-31-135	77.00	7615819.13	2102835.29	3	453.13	453.48	-0.35
MW-31-135	105.00	7615819.13	2102835.29	3	453.36	453.69	-0.33
MW-31-135	136.00	7615819.13	2102835.29	3	454.58	454.73	-0.15
MW-31-135	166.00	7615819.13	2102835.29	3	455.52	455.52	0.00
MW-31-135	197.00	7615819.13	2102835.29	3	455.19	455.39	-0.19
MW-31-135	227.00	7615819.13	2102835.29	3	454.81	455.18	-0.37
MW-31-135	258.00	7615819.13	2102835.29	3	454.65	454.95	-0.30
MW-31-135	289.00	7615819.13	2102835.29	3	454.67	454.94	-0.26
MW-31-135	319.00	7615819.13	2102835.29	3	454.47	454.83	-0.37

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-31-135	350.00	7615819.13	2102835.29	3	454.11	454.46	-0.35
MW-32-035	15.00	7616306.62	2102034.68	1	453.97	454.24	-0.28
MW-32-035	46.00	7616306.62	2102034.68	1	453.06	453.22	-0.16
MW-32-035	77.00	7616306.62	2102034.68	1	453.88	453.92	-0.04
MW-32-035	105.00	7616306.62	2102034.68	1	454.22	454.14	0.09
MW-32-035	136.00	7616306.62	2102034.68	1	455.66	455.37	0.29
MW-32-035	166.00	7616306.62	2102034.68	1	456.42	456.06	0.36
MW-32-035	197.00	7616306.62	2102034.68	1	455.94	455.76	0.18
MW-32-035	227.00	7616306.62	2102034.68	1	455.64	455.59	0.04
MW-32-035	258.00	7616306.62	2102034.68	1	455.18	455.29	-0.11
MW-32-035	289.00	7616306.62	2102034.68	1	455.15	455.23	-0.08
MW-32-035	319.00	7616306.62	2102034.68	1	455.30	455.32	-0.02
MW-32-035	350.00	7616306.62	2102034.68	1	454.72	454.74	-0.01
MW-33-040	15.00	7615916.42	2103280.79	1	454.13	454.50	-0.37
MW-33-040	46.00	7615916.42	2103280.79	1	453.17	453.48	-0.31
MW-33-040	77.00	7615916.42	2103280.79	1	454.06	454.14	-0.09
MW-33-040	105.00	7615916.42	2103280.79	1	454.37	454.37	0.00
MW-33-040	136.00	7615916.42	2103280.79	1	455.59	455.60	-0.01
MW-33-040	166.00	7615916.42	2103280.79	1	456.35	456.29	0.06
MW-33-040	197.00	7615916.42	2103280.79	1	456.05	455.99	0.06
MW-33-040	227.00	7615916.42	2103280.79	1	455.75	455.84	-0.09
MW-33-040	258.00	7615916.42	2103280.79	1	455.43	455.53	-0.11
MW-33-040	289.00	7615916.42	2103280.79	1	455.25	455.45	-0.21
MW-33-040	319.00	7615916.42	2103280.79	1	455.30	455.55	-0.25
MW-33-040	350.00	7615916.42	2103280.79	1	454.80	455.00	-0.20
MW-33-090	15.00	7615914.59	2103287.43	2	454.41	454.54	-0.13
MW-33-090	46.00	7615914.59	2103287.43	2	453.44	453.53	-0.09
MW-33-090	77.00	7615914.59	2103287.43	2	454.24	454.16	0.07
MW-33-090	105.00	7615914.59	2103287.43	2	454.58	454.40	0.18
MW-33-090	136.00	7615914.59	2103287.43	2	455.87	455.60	0.27
MW-33-090	166.00	7615914.59	2103287.43	2	456.60	456.30	0.30
MW-33-090	197.00	7615914.59	2103287.43	2	456.22	456.01	0.20
MW-33-090	227.00	7615914.59	2103287.43	2	455.97	455.86	0.11
MW-33-090	258.00	7615914.59	2103287.43	2	455.73	455.57	0.16
MW-33-090	289.00	7615914.59	2103287.43	2	455.63	455.48	0.15
MW-33-090	319.00	7615914.59	2103287.43	2	455.80	455.57	0.22
MW-33-090	350.00	7615914.59	2103287.43	2	455.58	455.03	0.55
MW-33-150	15.00	7615906.05	2103302.57	4	454.42	454.66	-0.24
MW-33-150	46.00	7615906.05	2103302.57	4	453.53	453.69	-0.15
MW-33-150	77.00	7615906.05	2103302.57	4	454.21	454.22	-0.01
MW-33-150	105.00	7615906.05	2103302.57	4	454.50	454.46	0.04
MW-33-150	136.00	7615906.05	2103302.57	4	455.73	455.59	0.15
MW-33-150	166.00	7615906.05	2103302.57	4	456.48	456.28	0.20
MW-33-150	197.00	7615906.05	2103302.57	4	456.04	456.06	-0.03
MW-33-150	227.00	7615906.05	2103302.57	4	455.89	455.92	-0.03

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-33-150	258.00	7615906.05	2103302.57	4	455.58	455.65	-0.07
MW-33-150	289.00	7615906.05	2103302.57	4	455.52	455.55	-0.03
MW-33-150	319.00	7615906.05	2103302.57	4	455.56	455.63	-0.07
MW-33-150	350.00	7615906.05	2103302.57	4	455.03	455.14	-0.11
MW-34-055	15.00	7616444.49	2102542.45	2	454.13	454.02	0.11
MW-34-055	46.00	7616444.49	2102542.45	2	452.95	452.88	0.08
MW-34-055	77.00	7616444.49	2102542.45	2	454.14	453.84	0.30
MW-34-055	105.00	7616444.49	2102542.45	2	454.39	454.05	0.33
MW-34-055	136.00	7616444.49	2102542.45	2	456.05	455.50	0.55
MW-34-055	166.00	7616444.49	2102542.45	2	456.69	456.17	0.52
MW-34-055	197.00	7616444.49	2102542.45	2	456.04	455.69	0.35
MW-34-055	227.00	7616444.49	2102542.45	2	455.84	455.51	0.33
MW-34-055	258.00	7616444.49	2102542.45	2	455.33	455.15	0.18
MW-34-055	289.00	7616444.49	2102542.45	2	455.30	455.12	0.18
MW-34-055	319.00	7616444.49	2102542.45	2	455.52	455.28	0.23
MW-34-055	350.00	7616444.49	2102542.45	2	454.74	454.54	0.20
MW-34-080	15.00	7616444.98	2102535.25	3	454.23	453.92	0.31
MW-34-080	46.00	7616444.98	2102535.25	3	452.99	452.80	0.19
MW-34-080	77.00	7616444.98	2102535.25	3	454.24	453.70	0.54
MW-34-080	105.00	7616444.98	2102535.25	3	454.48	453.92	0.55
MW-34-080	136.00	7616444.98	2102535.25	3	456.09	455.33	0.76
MW-34-080	166.00	7616444.98	2102535.25	3	456.71	456.03	0.68
MW-34-080	197.00	7616444.98	2102535.25	3	456.06	455.60	0.46
MW-34-080	227.00	7616444.98	2102535.25	3	455.89	455.39	0.50
MW-34-080	258.00	7616444.98	2102535.25	3	455.43	455.04	0.39
MW-34-080	289.00	7616444.98	2102535.25	3	455.41	455.02	0.39
MW-34-080	319.00	7616444.98	2102535.25	3	455.63	455.20	0.43
MW-34-080	350.00	7616444.98	2102535.25	3	454.77	454.44	0.33
MW-34-100	15.00	7616452.41	2102530.60	3	453.86	453.95	-0.09
MW-34-100	46.00	7616452.41	2102530.60	3	452.74	452.82	-0.09
MW-34-100	77.00	7616452.41	2102530.60	3	453.77	453.73	0.04
MW-34-100	105.00	7616452.41	2102530.60	3	454.04	453.96	0.08
MW-34-100	136.00	7616452.41	2102530.60	3	455.63	455.37	0.27
MW-34-100	166.00	7616452.41	2102530.60	3	456.32	456.07	0.25
MW-34-100	197.00	7616452.41	2102530.60	3	455.87	455.63	0.25
MW-34-100	227.00	7616452.41	2102530.60	3	455.67	455.42	0.25
MW-34-100	258.00	7616452.41	2102530.60	3	455.25	455.07	0.18
MW-34-100	289.00	7616452.41	2102530.60	3	455.21	455.04	0.17
MW-34-100	319.00	7616452.41	2102530.60	3	455.43	455.22	0.20
MW-34-100	350.00	7616452.41	2102530.60	3	454.57	454.47	0.10
MW-35-060	15.00	7615317.50	2104058.80	1	454.67	454.99	-0.31
MW-35-060	46.00	7615317.50	2104058.80	1	453.68	454.08	-0.40
MW-35-060	77.00	7615317.50	2104058.80	1	454.55	454.49	0.05
MW-35-060	105.00	7615317.50	2104058.80	1	454.86	454.73	0.13
MW-35-060	136.00	7615317.50	2104058.80	1	456.27	455.76	0.50

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-35-060	166.00	7615317.50	2104058.80	1	457.07	456.44	0.62
MW-35-060	197.00	7615317.50	2104058.80	1	456.43	456.29	0.13
MW-35-060	227.00	7615317.50	2104058.80	1	456.21	456.18	0.02
MW-35-060	258.00	7615317.50	2104058.80	1	455.91	455.93	-0.02
MW-35-060	289.00	7615317.50	2104058.80	1	455.84	455.81	0.03
MW-35-060	319.00	7615317.50	2104058.80	1	455.90	455.90	0.00
MW-35-060	350.00	7615317.50	2104058.80	1	455.33	455.46	-0.12
MW-35-135	15.00	7615329.76	2104045.82	3	455.16	455.04	0.12
MW-35-135	46.00	7615329.76	2104045.82	3	454.35	454.14	0.20
MW-35-135	77.00	7615329.76	2104045.82	3	454.82	454.52	0.30
MW-35-135	105.00	7615329.76	2104045.82	3	455.15	454.76	0.39
MW-35-135	136.00	7615329.76	2104045.82	3	456.22	455.76	0.47
MW-35-135	166.00	7615329.76	2104045.82	3	457.01	456.44	0.57
MW-35-135	197.00	7615329.76	2104045.82	3	456.52	456.32	0.21
MW-35-135	227.00	7615329.76	2104045.82	3	456.56	456.21	0.35
MW-35-135	258.00	7615329.76	2104045.82	3	456.30	455.96	0.34
MW-35-135	289.00	7615329.76	2104045.82	3	456.24	455.85	0.39
MW-35-135	319.00	7615329.76	2104045.82	3	456.20	455.93	0.27
MW-35-135	350.00	7615329.76	2104045.82	3	455.75	455.50	0.25
MW-36-020	15.00	7616267.10	2102542.57	1	454.04	453.96	0.09
MW-36-020	46.00	7616267.10	2102542.57	1	453.03	452.90	0.13
MW-36-020	77.00	7616267.10	2102542.57	1	453.92	453.64	0.27
MW-36-020	105.00	7616267.10	2102542.57	1	454.23	453.86	0.37
MW-36-020	136.00	7616267.10	2102542.57	1	455.51	455.16	0.35
MW-36-020	166.00	7616267.10	2102542.57	1	456.36	455.89	0.48
MW-36-020	197.00	7616267.10	2102542.57	1	455.86	455.54	0.32
MW-36-020	227.00	7616267.10	2102542.57	1	455.62	455.34	0.28
MW-36-020	258.00	7616267.10	2102542.57	1	455.22	455.02	0.20
MW-36-020	289.00	7616267.10	2102542.57	1	455.14	455.00	0.15
MW-36-020	319.00	7616267.10	2102542.57	1	455.32	455.09	0.23
MW-36-020	350.00	7616267.10	2102542.57	1	454.72	454.45	0.27
MW-36-040	15.00	7616267.58	2102537.20	1	453.93	453.96	-0.03
MW-36-040	46.00	7616267.58	2102537.20	1	452.86	452.90	-0.04
MW-36-040	77.00	7616267.58	2102537.20	1	453.87	453.64	0.23
MW-36-040	105.00	7616267.58	2102537.20	1	454.15	453.86	0.29
MW-36-040	136.00	7616267.58	2102537.20	1	455.67	455.16	0.51
MW-36-040	166.00	7616267.58	2102537.20	1	456.42	455.88	0.54
MW-36-040	197.00	7616267.58	2102537.20	1	455.88	455.54	0.34
MW-36-040	227.00	7616267.58	2102537.20	1	455.65	455.33	0.32
MW-36-040	258.00	7616267.58	2102537.20	1	455.18	455.02	0.16
MW-36-040	289.00	7616267.58	2102537.20	1	455.10	455.00	0.11
MW-36-040	319.00	7616267.58	2102537.20	1	455.26	455.09	0.17
MW-36-040	350.00	7616267.58	2102537.20	1	454.54	454.45	0.08
MW-36-050	15.00	7616267.47	2102532.17	2	453.86	453.91	-0.06
MW-36-050	46.00	7616267.47	2102532.17	2	452.80	452.86	-0.06

Appendix B
Transient Calibration Data
PGE
Topock Compressor Station
Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-36-050	77.00	7616267.47	2102532.17	2	453.82	453.59	0.23
MW-36-050	105.00	7616267.47	2102532.17	2	454.11	453.81	0.30
MW-36-050	136.00	7616267.47	2102532.17	2	455.64	455.09	0.55
MW-36-050	166.00	7616267.47	2102532.17	2	456.38	455.83	0.55
MW-36-050	197.00	7616267.47	2102532.17	2	455.73	455.49	0.23
MW-36-050	227.00	7616267.47	2102532.17	2	455.51	455.28	0.23
MW-36-050	258.00	7616267.47	2102532.17	2	455.05	454.97	0.08
MW-36-050	289.00	7616267.47	2102532.17	2	454.97	454.96	0.01
MW-36-050	319.00	7616267.47	2102532.17	2	455.15	455.05	0.09
MW-36-050	350.00	7616267.47	2102532.17	2	454.38	454.41	-0.03
MW-36-070	15.00	7616267.18	2102542.67	2	453.93	453.91	0.02
MW-36-070	46.00	7616267.18	2102542.67	2	452.81	452.86	-0.04
MW-36-070	77.00	7616267.18	2102542.67	2	453.83	453.59	0.24
MW-36-070	105.00	7616267.18	2102542.67	2	454.11	453.81	0.30
MW-36-070	136.00	7616267.18	2102542.67	2	455.65	455.10	0.55
MW-36-070	166.00	7616267.18	2102542.67	2	456.37	455.83	0.54
MW-36-070	197.00	7616267.18	2102542.67	2	455.86	455.49	0.36
MW-36-070	227.00	7616267.18	2102542.67	2	455.63	455.28	0.35
MW-36-070	258.00	7616267.18	2102542.67	2	455.15	454.97	0.18
MW-36-070	289.00	7616267.18	2102542.67	2	455.06	454.95	0.10
MW-36-070	319.00	7616267.18	2102542.67	2	455.22	455.05	0.17
MW-36-070	350.00	7616267.18	2102542.67	2	454.48	454.41	0.07
MW-36-090	15.00	7616267.63	2102537.34	3	453.09	453.75	-0.66
MW-36-090	46.00	7616267.63	2102537.34	3	452.09	452.70	-0.62
MW-36-090	77.00	7616267.63	2102537.34	3	452.96	453.41	-0.45
MW-36-090	105.00	7616267.63	2102537.34	3	453.19	453.63	-0.44
MW-36-090	136.00	7616267.63	2102537.34	3	454.61	454.90	-0.29
MW-36-090	166.00	7616267.63	2102537.34	3	455.45	455.66	-0.21
MW-36-090	197.00	7616267.63	2102537.34	3	455.06	455.34	-0.28
MW-36-090	227.00	7616267.63	2102537.34	3	454.69	455.11	-0.41
MW-36-090	258.00	7616267.63	2102537.34	3	454.35	454.80	-0.45
MW-36-090	289.00	7616267.63	2102537.34	3	454.46	454.81	-0.35
MW-36-090	319.00	7616267.63	2102537.34	3	454.45	454.93	-0.48
MW-36-090	350.00	7616267.63	2102537.34	3	453.73	454.24	-0.50
MW-36-100	15.00	7616267.51	2102532.37	3	453.38	453.75	-0.38
MW-36-100	46.00	7616267.51	2102532.37	3	452.38	452.71	-0.33
MW-36-100	77.00	7616267.51	2102532.37	3	453.22	453.41	-0.19
MW-36-100	105.00	7616267.51	2102532.37	3	453.42	453.63	-0.21
MW-36-100	136.00	7616267.51	2102532.37	3	454.83	454.90	-0.07
MW-36-100	166.00	7616267.51	2102532.37	3	455.68	455.66	0.02
MW-36-100	197.00	7616267.51	2102532.37	3	455.33	455.34	-0.01
MW-36-100	227.00	7616267.51	2102532.37	3	454.85	455.11	-0.26
MW-36-100	258.00	7616267.51	2102532.37	3	454.53	454.80	-0.27
MW-36-100	289.00	7616267.51	2102532.37	3	454.57	454.81	-0.24
MW-36-100	319.00	7616267.51	2102532.37	3	454.66	454.93	-0.27

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-36-100	350.00	7616267.51	2102532.37	3	453.87	454.24	-0.37
MW-37S	15.00	7614827.87	2102869.45	2	454.74	455.48	-0.74
MW-37S	46.00	7614827.87	2102869.45	2	454.21	454.87	-0.66
MW-37S	77.00	7614827.87	2102869.45	2	454.18	454.64	-0.46
MW-37S	105.00	7614827.87	2102869.45	2	454.50	454.84	-0.34
MW-37S	136.00	7614827.87	2102869.45	2	455.13	455.37	-0.24
MW-37S	166.00	7614827.87	2102869.45	2	456.01	456.09	-0.07
MW-37S	197.00	7614827.87	2102869.45	2	456.00	456.36	-0.36
MW-37S	227.00	7614827.87	2102869.45	2	455.83	456.30	-0.47
MW-37S	258.00	7614827.87	2102869.45	2	455.69	456.19	-0.50
MW-37S	289.00	7614827.87	2102869.45	2	455.66	456.06	-0.40
MW-38S	15.00	7614918.75	2101279.65	1	454.79	455.75	-0.96
MW-38S	46.00	7614918.75	2101279.65	1	454.39	455.26	-0.87
MW-38S	77.00	7614918.75	2101279.65	1	454.09	454.94	-0.85
MW-38S	105.00	7614918.75	2101279.65	1	454.26	455.08	-0.81
MW-38S	136.00	7614918.75	2101279.65	1	454.60	455.46	-0.85
MW-38S	166.00	7614918.75	2101279.65	1	455.38	456.11	-0.73
MW-38S	197.00	7614918.75	2101279.65	1	455.64	456.46	-0.82
MW-38S	227.00	7614918.75	2101279.65	1	455.61	456.46	-0.84
MW-38S	258.00	7614918.75	2101279.65	1	455.55	456.38	-0.84
MW-38S	289.00	7614918.75	2101279.65	1	455.48	456.27	-0.78
MW-39-040	15.00	7616091.44	2102506.22	1	453.85	453.96	-0.11
MW-39-040	46.00	7616091.44	2102506.22	1	452.84	452.98	-0.14
MW-39-040	77.00	7616091.44	2102506.22	1	453.74	453.54	0.20
MW-39-040	105.00	7616091.44	2102506.22	1	454.02	453.76	0.27
MW-39-040	136.00	7616091.44	2102506.22	1	455.45	454.92	0.53
MW-39-040	166.00	7616091.44	2102506.22	1	456.23	455.69	0.54
MW-39-040	197.00	7616091.44	2102506.22	1	455.64	455.45	0.19
MW-39-040	227.00	7616091.44	2102506.22	1	455.38	455.24	0.14
MW-39-040	258.00	7616091.44	2102506.22	1	455.03	454.96	0.07
MW-39-040	289.00	7616091.44	2102506.22	1	454.94	454.95	-0.01
MW-39-040	319.00	7616091.44	2102506.22	1	455.02	454.96	0.06
MW-39-040	350.00	7616091.44	2102506.22	1	454.44	454.43	0.01
MW-39-050	15.00	7616095.96	2102498.75	2	453.68	453.92	-0.25
MW-39-050	46.00	7616095.96	2102498.75	2	452.69	452.94	-0.25
MW-39-050	77.00	7616095.96	2102498.75	2	453.58	453.50	0.08
MW-39-050	105.00	7616095.96	2102498.75	2	453.86	453.72	0.14
MW-39-050	136.00	7616095.96	2102498.75	2	455.28	454.90	0.38
MW-39-050	166.00	7616095.96	2102498.75	2	456.07	455.66	0.41
MW-39-050	197.00	7616095.96	2102498.75	2	455.50	455.42	0.08
MW-39-050	227.00	7616095.96	2102498.75	2	455.23	455.20	0.03
MW-39-050	258.00	7616095.96	2102498.75	2	454.88	454.93	-0.05
MW-39-050	289.00	7616095.96	2102498.75	2	454.86	454.92	-0.06
MW-39-050	319.00	7616095.96	2102498.75	2	454.90	454.93	-0.02
MW-39-050	350.00	7616095.96	2102498.75	2	454.32	454.40	-0.08

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-39-060	15.00	7616099.45	2102495.05	2	453.51	453.93	-0.42
MW-39-060	46.00	7616099.45	2102495.05	2	452.54	452.94	-0.40
MW-39-060	77.00	7616099.45	2102495.05	2	453.39	453.51	-0.12
MW-39-060	105.00	7616099.45	2102495.05	2	453.66	453.73	-0.07
MW-39-060	136.00	7616099.45	2102495.05	2	455.05	454.90	0.14
MW-39-060	166.00	7616099.45	2102495.05	2	455.87	455.67	0.20
MW-39-060	197.00	7616099.45	2102495.05	2	455.31	455.42	-0.11
MW-39-060	227.00	7616099.45	2102495.05	2	455.06	455.21	-0.15
MW-39-060	258.00	7616099.45	2102495.05	2	454.74	454.93	-0.20
MW-39-060	289.00	7616099.45	2102495.05	2	454.73	454.92	-0.19
MW-39-060	319.00	7616099.45	2102495.05	2	454.73	454.93	-0.20
MW-39-060	350.00	7616099.45	2102495.05	2	454.18	454.40	-0.22
MW-39-070	15.00	7616091.38	2102506.30	2	453.15	453.92	-0.77
MW-39-070	46.00	7616091.38	2102506.30	2	452.22	452.93	-0.72
MW-39-070	77.00	7616091.38	2102506.30	2	452.27	453.50	-1.22
MW-39-070	105.00	7616091.38	2102506.30	2	453.38	453.72	-0.34
MW-39-070	136.00	7616091.38	2102506.30	2	454.50	454.89	-0.39
MW-39-070	166.00	7616091.38	2102506.30	2	455.40	455.65	-0.26
MW-39-070	197.00	7616091.38	2102506.30	2	454.91	455.41	-0.50
MW-39-070	227.00	7616091.38	2102506.30	2	454.60	455.20	-0.59
MW-39-070	258.00	7616091.38	2102506.30	2	454.32	454.92	-0.60
MW-39-070	289.00	7616091.38	2102506.30	2	454.36	454.91	-0.55
MW-39-070	319.00	7616091.38	2102506.30	2	454.23	454.92	-0.69
MW-39-070	350.00	7616091.38	2102506.30	2	453.78	454.39	-0.61
MW-39-080	15.00	7616095.86	2102498.83	3	453.29	453.86	-0.57
MW-39-080	46.00	7616095.86	2102498.83	3	452.37	452.88	-0.52
MW-39-080	77.00	7616095.86	2102498.83	3	453.07	453.44	-0.37
MW-39-080	105.00	7616095.86	2102498.83	3	453.34	453.66	-0.32
MW-39-080	136.00	7616095.86	2102498.83	3	454.63	454.83	-0.20
MW-39-080	166.00	7616095.86	2102498.83	3	455.52	455.60	-0.08
MW-39-080	197.00	7616095.86	2102498.83	3	455.04	455.36	-0.32
MW-39-080	227.00	7616095.86	2102498.83	3	454.67	455.14	-0.47
MW-39-080	258.00	7616095.86	2102498.83	3	454.38	454.86	-0.49
MW-39-080	289.00	7616095.86	2102498.83	3	454.45	454.86	-0.42
MW-39-080	319.00	7616095.86	2102498.83	3	454.31	454.86	-0.55
MW-39-080	350.00	7616095.86	2102498.83	3	453.87	454.34	-0.47
MW-39-100	15.00	7616099.30	2102494.96	3	453.84	453.87	-0.03
MW-39-100	46.00	7616099.30	2102494.96	3	452.90	452.89	0.01
MW-39-100	77.00	7616099.30	2102494.96	3	453.62	453.45	0.17
MW-39-100	105.00	7616099.30	2102494.96	3	453.89	453.66	0.23
MW-39-100	136.00	7616099.30	2102494.96	3	455.19	454.83	0.36
MW-39-100	166.00	7616099.30	2102494.96	3	456.00	455.60	0.40
MW-39-100	197.00	7616099.30	2102494.96	3	455.39	455.36	0.03
MW-39-100	227.00	7616099.30	2102494.96	3	455.05	455.14	-0.09
MW-39-100	258.00	7616099.30	2102494.96	3	454.80	454.87	-0.06

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-39-100	289.00	7616099.30	2102494.96	3	454.89	454.87	0.03
MW-39-100	319.00	7616099.30	2102494.96	3	454.80	454.87	-0.07
MW-39-100	350.00	7616099.30	2102494.96	3	454.34	454.34	0.00
MW-42-030	15.00	7616282.09	2102309.31	1	453.72	454.07	-0.35
MW-42-030	46.00	7616282.09	2102309.31	1	453.11	453.05	0.06
MW-42-030	77.00	7616282.09	2102309.31	1	453.88	453.72	0.16
MW-42-030	105.00	7616282.09	2102309.31	1	453.92	453.94	-0.02
MW-42-030	136.00	7616282.09	2102309.31	1	455.32	455.18	0.14
MW-42-030	166.00	7616282.09	2102309.31	1	456.11	455.90	0.21
MW-42-030	197.00	7616282.09	2102309.31	1	455.69	455.60	0.09
MW-42-030	227.00	7616282.09	2102309.31	1	455.34	455.41	-0.06
MW-42-030	258.00	7616282.09	2102309.31	1	454.96	455.11	-0.15
MW-42-030	289.00	7616282.09	2102309.31	1	454.86	455.07	-0.21
MW-42-030	319.00	7616282.09	2102309.31	1	454.99	455.15	-0.15
MW-42-030	350.00	7616282.09	2102309.31	1	454.41	454.56	-0.15
MW-42-065	15.00	7616274.98	2102296.96	3	453.86	454.00	-0.15
MW-42-065	46.00	7616274.98	2102296.96	3	452.86	452.96	-0.10
MW-42-065	77.00	7616274.98	2102296.96	3	453.73	453.66	0.07
MW-42-065	105.00	7616274.98	2102296.96	3	454.04	453.89	0.16
MW-42-065	136.00	7616274.98	2102296.96	3	455.47	455.15	0.32
MW-42-065	166.00	7616274.98	2102296.96	3	456.24	455.88	0.37
MW-42-065	197.00	7616274.98	2102296.96	3	455.83	455.56	0.27
MW-42-065	227.00	7616274.98	2102296.96	3	455.48	455.36	0.12
MW-42-065	258.00	7616274.98	2102296.96	3	455.03	455.05	-0.03
MW-42-065	289.00	7616274.98	2102296.96	3	454.98	455.02	-0.04
MW-42-065	319.00	7616274.98	2102296.96	3	455.15	455.11	0.04
MW-42-065	350.00	7616274.98	2102296.96	3	454.52	454.50	0.02
MW-43-025	15.00	7616702.79	2101817.51	1	454.04	454.14	-0.10
MW-43-025	46.00	7616702.79	2101817.51	1	452.90	452.93	-0.04
MW-43-025	77.00	7616702.79	2101817.51	1	454.18	454.12	0.07
MW-43-025	105.00	7616702.79	2101817.51	1	454.39	454.31	0.08
MW-43-025	136.00	7616702.79	2101817.51	1	456.12	455.87	0.24
MW-43-025	166.00	7616702.79	2101817.51	1	456.79	456.47	0.32
MW-43-025	197.00	7616702.79	2101817.51	1	456.07	455.89	0.18
MW-43-025	227.00	7616702.79	2101817.51	1	455.93	455.74	0.19
MW-43-025	258.00	7616702.79	2101817.51	1	455.42	455.35	0.07
MW-43-025	289.00	7616702.79	2101817.51	1	455.31	455.28	0.03
MW-43-025	319.00	7616702.79	2101817.51	1	455.59	455.48	0.12
MW-43-025	350.00	7616702.79	2101817.51	1	454.77	454.69	0.07
MW-43-090	15.00	7616693.22	2101824.65	3	454.42	454.15	0.27
MW-43-090	46.00	7616693.22	2101824.65	3	453.26	452.93	0.33
MW-43-090	77.00	7616693.22	2101824.65	3	454.50	454.13	0.37
MW-43-090	105.00	7616693.22	2101824.65	3	454.71	454.33	0.38
MW-43-090	136.00	7616693.22	2101824.65	3	456.48	455.92	0.56
MW-43-090	166.00	7616693.22	2101824.65	3	457.11	456.53	0.58

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-43-090	197.00	7616693.22	2101824.65	3	456.37	455.93	0.44
MW-43-090	227.00	7616693.22	2101824.65	3	456.25	455.77	0.47
MW-43-090	258.00	7616693.22	2101824.65	3	455.80	455.38	0.42
MW-43-090	289.00	7616693.22	2101824.65	3	455.70	455.30	0.40
MW-43-090	319.00	7616693.22	2101824.65	3	455.98	455.51	0.47
MW-43-090	350.00	7616693.22	2101824.65	3	455.07	454.72	0.35
MW-44-070	15.00	7616255.62	2102728.31	2	454.03	454.03	0.00
MW-44-070	46.00	7616255.62	2102728.31	2	452.91	452.95	-0.05
MW-44-070	77.00	7616255.62	2102728.31	2	453.96	453.75	0.21
MW-44-070	105.00	7616255.62	2102728.31	2	454.23	453.97	0.26
MW-44-070	136.00	7616255.62	2102728.31	2	455.82	455.30	0.51
MW-44-070	166.00	7616255.62	2102728.31	2	456.53	456.02	0.52
MW-44-070	197.00	7616255.62	2102728.31	2	455.88	455.63	0.25
MW-44-070	227.00	7616255.62	2102728.31	2	455.68	455.44	0.24
MW-44-070	258.00	7616255.62	2102728.31	2	455.27	455.11	0.16
MW-44-070	289.00	7616255.62	2102728.31	2	455.22	455.08	0.14
MW-44-070	319.00	7616255.62	2102728.31	2	455.40	455.18	0.21
MW-44-070	350.00	7616255.62	2102728.31	2	454.68	454.54	0.14
MW-44-115	15.00	7616262.10	2102723.85	3	453.65	454.00	-0.35
MW-44-115	46.00	7616262.10	2102723.85	3	452.68	452.93	-0.26
MW-44-115	77.00	7616262.10	2102723.85	3	453.57	453.70	-0.13
MW-44-115	105.00	7616262.10	2102723.85	3	453.79	453.92	-0.14
MW-44-115	136.00	7616262.10	2102723.85	3	455.14	455.24	-0.10
MW-44-115	166.00	7616262.10	2102723.85	3	455.89	455.96	-0.07
MW-44-115	197.00	7616262.10	2102723.85	3	455.51	455.60	-0.09
MW-44-115	227.00	7616262.10	2102723.85	3	455.26	455.40	-0.14
MW-44-115	258.00	7616262.10	2102723.85	3	454.89	455.08	-0.19
MW-44-115	289.00	7616262.10	2102723.85	3	454.92	455.05	-0.13
MW-44-115	319.00	7616262.10	2102723.85	3	454.98	455.15	-0.17
MW-44-115	350.00	7616262.10	2102723.85	3	454.28	454.50	-0.22
MW-44-125	15.00	7616255.55	2102728.48	3	454.18	454.01	0.17
MW-44-125	46.00	7616255.55	2102728.48	3	453.19	452.94	0.25
MW-44-125	77.00	7616255.55	2102728.48	3	454.07	453.70	0.37
MW-44-125	105.00	7616255.55	2102728.48	3	454.35	453.93	0.42
MW-44-125	136.00	7616255.55	2102728.48	3	455.77	455.24	0.53
MW-44-125	166.00	7616255.55	2102728.48	3	456.51	455.96	0.55
MW-44-125	197.00	7616255.55	2102728.48	3	456.08	455.60	0.47
MW-44-125	227.00	7616255.55	2102728.48	3	455.75	455.40	0.35
MW-44-125	258.00	7616255.55	2102728.48	3	455.17	455.08	0.09
MW-44-125	289.00	7616255.55	2102728.48	3	455.15	455.05	0.10
MW-44-125	319.00	7616255.55	2102728.48	3	455.38	455.15	0.23
MW-44-125	350.00	7616255.55	2102728.48	3	454.72	454.51	0.21
MW-45-095a	15.00	7616358.12	2102559.75	3	452.77	453.06	-0.29
MW-45-095a	46.00	7616358.12	2102559.75	3	451.66	451.98	-0.32
MW-45-095a	77.00	7616358.12	2102559.75	3	452.76	452.77	-0.01

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-45-095a	105.00	7616358.12	2102559.75	3	452.99	452.98	0.01
MW-45-095a	136.00	7616358.12	2102559.75	3	454.53	454.32	0.22
MW-45-095a	166.00	7616358.12	2102559.75	3	455.27	455.13	0.14
MW-45-095a	197.00	7616358.12	2102559.75	3	454.76	454.78	-0.02
MW-45-095a	227.00	7616358.12	2102559.75	3	454.44	454.46	-0.02
MW-45-095a	258.00	7616358.12	2102559.75	3	454.06	454.13	-0.07
MW-45-095a	289.00	7616358.12	2102559.75	3	454.46	454.24	0.22
MW-45-095a	319.00	7616358.12	2102559.75	3	455.12	454.54	0.58
MW-45-095a	350.00	7616358.12	2102559.75	3	453.39	453.54	-0.15
MW-45-095B	15.00	7616358.12	2102559.75	3	452.77	453.06	-0.29
MW-45-095B	46.00	7616358.12	2102559.75	3	451.66	451.98	-0.32
MW-45-095B	77.00	7616358.12	2102559.75	3	452.77	452.77	0.00
MW-45-095B	105.00	7616358.12	2102559.75	3	452.99	452.98	0.01
MW-45-095B	136.00	7616358.12	2102559.75	3	454.54	454.32	0.23
MW-45-095B	166.00	7616358.12	2102559.75	3	455.27	455.13	0.15
MW-45-095B	197.00	7616358.12	2102559.75	3	454.76	454.78	-0.03
MW-45-095B	227.00	7616358.12	2102559.75	3	454.48	454.46	0.03
MW-45-095B	258.00	7616358.12	2102559.75	3	454.08	454.13	-0.05
MW-45-095B	289.00	7616358.12	2102559.75	3	454.46	454.24	0.22
MW-45-095B	319.00	7616358.12	2102559.75	3	455.13	454.54	0.59
MW-45-095B	350.00	7616358.12	2102559.75	3	453.41	453.54	-0.13
MW-46-175	15.00	7616196.86	2102940.02	4	454.33	454.29	0.04
MW-46-175	46.00	7616196.86	2102940.02	4	453.41	453.24	0.17
MW-46-175	77.00	7616196.86	2102940.02	4	454.19	453.96	0.23
MW-46-175	105.00	7616196.86	2102940.02	4	454.44	454.19	0.25
MW-46-175	136.00	7616196.86	2102940.02	4	455.74	455.47	0.28
MW-46-175	166.00	7616196.86	2102940.02	4	456.32	456.17	0.15
MW-46-175	197.00	7616196.86	2102940.02	4	455.93	455.83	0.09
MW-46-175	227.00	7616196.86	2102940.02	4	455.74	455.66	0.08
MW-46-175	258.00	7616196.86	2102940.02	4	455.46	455.35	0.12
MW-46-175	289.00	7616196.86	2102940.02	4	455.43	455.28	0.15
MW-46-175	319.00	7616196.86	2102940.02	4	455.49	455.37	0.12
MW-46-175	350.00	7616196.86	2102940.02	4	454.82	454.79	0.03
MW-47-055	15.00	7615629.48	2103450.05	1	454.66	454.87	-0.22
MW-47-055	46.00	7615629.48	2103450.05	1	453.80	453.99	-0.18
MW-47-055	77.00	7615629.48	2103450.05	1	454.38	454.31	0.07
MW-47-055	105.00	7615629.48	2103450.05	1	454.70	454.56	0.15
MW-47-055	136.00	7615629.48	2103450.05	1	455.85	455.53	0.32
MW-47-055	166.00	7615629.48	2103450.05	1	456.72	456.25	0.47
MW-47-055	197.00	7615629.48	2103450.05	1	456.34	456.16	0.18
MW-47-055	227.00	7615629.48	2103450.05	1	456.13	456.03	0.10
MW-47-055	258.00	7615629.48	2103450.05	1	455.81	455.79	0.02
MW-47-055	289.00	7615629.48	2103450.05	1	455.72	455.68	0.04
MW-47-055	319.00	7615629.48	2103450.05	1	455.77	455.73	0.04
MW-47-055	350.00	7615629.48	2103450.05	1	455.28	455.33	-0.05

Appendix B
Transient Calibration Data
PGE
Topock Compressor Station
Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-47-115	15.00	7615629.75	2103450.10	3	454.75	454.89	-0.14
MW-47-115	46.00	7615629.75	2103450.10	3	453.92	454.01	-0.08
MW-47-115	77.00	7615629.75	2103450.10	3	454.42	454.32	0.10
MW-47-115	105.00	7615629.75	2103450.10	3	454.74	454.57	0.17
MW-47-115	136.00	7615629.75	2103450.10	3	455.82	455.54	0.29
MW-47-115	166.00	7615629.75	2103450.10	3	456.65	456.25	0.39
MW-47-115	197.00	7615629.75	2103450.10	3	456.36	456.17	0.19
MW-47-115	227.00	7615629.75	2103450.10	3	456.17	456.04	0.13
MW-47-115	258.00	7615629.75	2103450.10	3	455.87	455.80	0.07
MW-47-115	289.00	7615629.75	2103450.10	3	455.78	455.69	0.09
MW-47-115	319.00	7615629.75	2103450.10	3	455.74	455.74	0.00
MW-47-115	350.00	7615629.75	2103450.10	3	455.32	455.35	-0.03
MW-49-135	15.00	7615889.63	2103667.52	3	454.77	454.71	0.06
MW-49-135	46.00	7615889.63	2103667.52	3	453.83	453.69	0.14
MW-49-135	77.00	7615889.63	2103667.52	3	454.61	454.36	0.25
MW-49-135	105.00	7615889.63	2103667.52	3	454.88	454.59	0.29
MW-49-135	136.00	7615889.63	2103667.52	3	456.19	455.81	0.38
MW-49-135	166.00	7615889.63	2103667.52	3	457.19	456.47	0.71
MW-49-135	197.00	7615889.63	2103667.52	3	456.19	456.17	0.02
MW-49-135	227.00	7615889.63	2103667.52	3	456.26	456.05	0.21
MW-49-135	258.00	7615889.63	2103667.52	3	455.93	455.74	0.19
MW-49-135	289.00	7615889.63	2103667.52	3	455.83	455.64	0.19
MW-49-135	319.00	7615889.63	2103667.52	3	455.93	455.76	0.16
MW-49-135	350.00	7615889.63	2103667.52	3	455.33	455.21	0.13
MW-50-095	15.00	7615599.84	2103069.27	2	454.42	454.74	-0.32
MW-50-095	46.00	7615599.84	2103069.27	2	453.98	453.91	0.08
MW-50-095	77.00	7615599.84	2103069.27	2	454.17	454.09	0.08
MW-50-095	105.00	7615599.84	2103069.27	2	454.30	454.33	-0.03
MW-50-095	136.00	7615599.84	2103069.27	2	455.23	455.20	0.03
MW-50-095	166.00	7615599.84	2103069.27	2	456.15	455.96	0.19
MW-50-095	197.00	7615599.84	2103069.27	2	455.94	455.96	-0.02
MW-50-095	227.00	7615599.84	2103069.27	2	455.71	455.81	-0.10
MW-50-095	258.00	7615599.84	2103069.27	2	455.49	455.61	-0.12
MW-50-095	289.00	7615599.84	2103069.27	2	455.43	455.52	-0.09
MW-50-095	319.00	7615599.84	2103069.27	2	455.35	455.50	-0.14
MW-50-095	350.00	7615599.84	2103069.27	2	455.02	455.17	-0.15
MW-51	15.00	7615807.51	2101900.11	3	454.67	454.89	-0.22
MW-51	46.00	7615807.51	2101900.11	3	454.13	454.18	-0.04
MW-51	77.00	7615807.51	2101900.11	3	454.08	454.20	-0.12
MW-51	105.00	7615807.51	2101900.11	3	454.34	454.39	-0.05
MW-51	136.00	7615807.51	2101900.11	3	454.95	455.10	-0.15
MW-51	166.00	7615807.51	2101900.11	3	455.82	455.84	-0.02
MW-51	197.00	7615807.51	2101900.11	3	456.02	455.96	0.06
MW-51	258.00	7615807.51	2101900.11	3	455.58	455.68	-0.11
MW-51	289.00	7615807.51	2101900.11	3	455.55	455.60	-0.05

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-51	319.00	7615807.51	2101900.11	3	455.43	455.55	-0.12
MW-51	350.00	7615807.51	2101900.11	3	455.35	455.30	0.05
MW-54-085	15.00	7617082.61	2102958.94	3	454.56	454.51	0.05
MW-54-085	46.00	7617082.61	2102958.94	3	453.45	453.42	0.04
MW-54-085	77.00	7617082.61	2102958.94	3	454.73	454.19	0.54
MW-54-085	105.00	7617082.61	2102958.94	3	454.85	454.46	0.39
MW-54-085	136.00	7617082.61	2102958.94	3	456.45	455.77	0.68
MW-54-085	166.00	7617082.61	2102958.94	3	457.07	456.44	0.62
MW-54-085	197.00	7617082.61	2102958.94	3	456.41	456.09	0.33
MW-54-085	227.00	7617082.61	2102958.94	3	456.22	455.92	0.30
MW-54-085	258.00	7617082.61	2102958.94	3	456.16	455.58	0.58
MW-54-085	289.00	7617082.61	2102958.94	3	455.69	455.47	0.22
MW-54-085	319.00	7617082.61	2102958.94	3	455.90	455.62	0.28
MW-54-085	350.00	7617082.61	2102958.94	3	455.17	455.02	0.15
MW-54-140	15.00	7617082.16	2102959.12	4	454.86	454.57	0.29
MW-54-140	46.00	7617082.16	2102959.12	4	454.43	453.51	0.92
MW-54-140	77.00	7617082.16	2102959.12	4	455.01	454.18	0.83
MW-54-140	105.00	7617082.16	2102959.12	4	455.15	454.46	0.69
MW-54-140	136.00	7617082.16	2102959.12	4	456.52	455.70	0.82
MW-54-140	166.00	7617082.16	2102959.12	4	457.14	456.39	0.75
MW-54-140	197.00	7617082.16	2102959.12	4	456.55	456.10	0.46
MW-54-140	227.00	7617082.16	2102959.12	4	456.37	455.93	0.45
MW-54-140	258.00	7617082.16	2102959.12	4	455.99	455.61	0.38
MW-54-140	289.00	7617082.16	2102959.12	4	455.78	455.49	0.29
MW-54-140	319.00	7617082.16	2102959.12	4	456.03	455.63	0.40
MW-54-140	350.00	7617082.16	2102959.12	4	455.46	455.07	0.39
MW-54-195	15.00	7617089.25	2102951.90	5	455.00	454.63	0.37
MW-54-195	46.00	7617089.25	2102951.90	5	454.20	453.61	0.59
MW-54-195	77.00	7617089.25	2102951.90	5	455.22	454.20	1.02
MW-54-195	105.00	7617089.25	2102951.90	5	455.40	454.48	0.92
MW-54-195	136.00	7617089.25	2102951.90	5	456.68	455.66	1.02
MW-54-195	166.00	7617089.25	2102951.90	5	457.29	456.35	0.94
MW-54-195	197.00	7617089.25	2102951.90	5	456.75	456.10	0.64
MW-54-195	227.00	7617089.25	2102951.90	5	456.50	455.94	0.56
MW-54-195	258.00	7617089.25	2102951.90	5	456.13	455.64	0.49
MW-54-195	289.00	7617089.25	2102951.90	5	456.00	455.52	0.48
MW-54-195	319.00	7617089.25	2102951.90	5	456.15	455.64	0.51
MW-54-195	350.00	7617089.25	2102951.90	5	455.69	455.12	0.58
MW-55-045	15.00	7618326.30	2102605.89	2	455.37	454.61	0.76
MW-55-045	46.00	7618326.30	2102605.89	2	455.05	453.61	1.44
MW-55-045	77.00	7618326.30	2102605.89	2	455.47	454.41	1.07
MW-55-045	105.00	7618326.30	2102605.89	2	455.66	454.59	1.07
MW-55-045	136.00	7618326.30	2102605.89	2	456.57	455.83	0.74
MW-55-045	166.00	7618326.30	2102605.89	2	457.18	456.40	0.78
MW-55-045	197.00	7618326.30	2102605.89	2	456.76	456.02	0.75

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
MW-55-045	227.00	7618326.30	2102605.89	2	456.47	455.92	0.55
MW-55-045	258.00	7618326.30	2102605.89	2	456.23	455.62	0.61
MW-55-045	289.00	7618326.30	2102605.89	2	456.07	455.53	0.54
MW-55-045	319.00	7618326.30	2102605.89	2	456.21	455.69	0.52
MW-55-045	350.00	7618326.30	2102605.89	2	455.92	455.10	0.82
MW-55-120	15.00	7618326.13	2102606.18	3	455.42	454.70	0.73
MW-55-120	46.00	7618326.13	2102606.18	3	455.10	453.75	1.35
MW-55-120	77.00	7618326.13	2102606.18	3	455.46	454.42	1.04
MW-55-120	105.00	7618326.13	2102606.18	3	455.65	454.61	1.03
MW-55-120	136.00	7618326.13	2102606.18	3	456.47	455.75	0.72
MW-55-120	166.00	7618326.13	2102606.18	3	457.06	456.32	0.75
MW-55-120	197.00	7618326.13	2102606.18	3	456.71	456.02	0.69
MW-55-120	227.00	7618326.13	2102606.18	3	456.41	455.92	0.49
MW-55-120	258.00	7618326.13	2102606.18	3	456.23	455.65	0.58
MW-55-120	289.00	7618326.13	2102606.18	3	456.04	455.56	0.49
MW-55-120	319.00	7618326.13	2102606.18	3	456.16	455.69	0.48
MW-55-120	350.00	7618326.13	2102606.18	3	455.99	455.17	0.82
OW-01S	15.00	7613419.20	2103040.48	1	456.18	456.67	-0.49
OW-01S	46.00	7613419.20	2103040.48	1	455.72	456.26	-0.54
OW-01S	77.00	7613419.20	2103040.48	1	455.50	455.86	-0.36
OW-01S	105.00	7613419.20	2103040.48	1	455.80	455.96	-0.15
OW-01S	136.00	7613419.20	2103040.48	1	456.32	456.24	0.07
OW-01S	166.00	7613419.20	2103040.48	1	457.14	456.76	0.39
OW-01S	197.00	7613419.20	2103040.48	1	457.23	457.16	0.06
OW-01S	227.00	7613419.20	2103040.48	1	457.15	457.27	-0.12
OW-01S	258.00	7613419.20	2103040.48	1	457.02	457.23	-0.21
OW-01S	289.00	7613419.20	2103040.48	1	456.93	457.05	-0.12
OW-01S	319.00	7613419.20	2103040.48	1	456.85	457.07	-0.21
OW-01S	350.00	7613419.20	2103040.48	1	456.77	457.03	-0.26
OW-02S	15.00	7613373.76	2103153.89	1	456.14	456.65	-0.51
OW-02S	46.00	7613373.76	2103153.89	1	455.67	456.23	-0.56
OW-02S	77.00	7613373.76	2103153.89	1	455.49	455.84	-0.35
OW-02S	105.00	7613373.76	2103153.89	1	455.83	455.93	-0.11
OW-02S	136.00	7613373.76	2103153.89	1	456.35	456.25	0.10
OW-02S	166.00	7613373.76	2103153.89	1	457.21	456.75	0.46
OW-02S	197.00	7613373.76	2103153.89	1	457.29	457.15	0.14
OW-02S	227.00	7613373.76	2103153.89	1	457.19	457.25	-0.06
OW-02S	258.00	7613373.76	2103153.89	1	457.06	457.22	-0.16
OW-02S	289.00	7613373.76	2103153.89	1	456.98	457.05	-0.07
OW-02S	319.00	7613373.76	2103153.89	1	456.88	457.07	-0.18
OW-02S	350.00	7613373.76	2103153.89	1	456.80	457.02	-0.22
OW-05D	15.00	7613185.55	2102998.32	6	457.03	456.98	0.05
OW-05D	46.00	7613185.55	2102998.32	6	456.51	456.56	-0.06
OW-05D	77.00	7613185.55	2102998.32	6	456.57	456.21	0.36
OW-05D	105.00	7613185.55	2102998.32	6	456.96	456.48	0.48

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
OW-05D	136.00	7613185.55	2102998.32	6	457.08	456.45	0.64
OW-05D	166.00	7613185.55	2102998.32	6	457.92	457.20	0.72
OW-05D	258.00	7613185.55	2102998.32	6	457.62	457.57	0.05
OW-05D	289.00	7613185.55	2102998.32	6	457.38	457.16	0.22
OW-05D	319.00	7613185.55	2102998.32	6	457.50	457.28	0.23
OW-05D	350.00	7613185.55	2102998.32	6	457.45	457.30	0.15
OW-05M	15.00	7613185.86	2103008.06	4	456.96	457.00	-0.04
OW-05M	46.00	7613185.86	2103008.06	4	456.42	456.59	-0.17
OW-05M	77.00	7613185.86	2103008.06	4	456.54	456.23	0.32
OW-05M	105.00	7613185.86	2103008.06	4	457.11	456.49	0.62
OW-05M	136.00	7613185.86	2103008.06	4	456.98	456.44	0.54
OW-05M	166.00	7613185.86	2103008.06	4	458.08	457.19	0.89
OW-05M	197.00	7613185.86	2103008.06	4	458.37	457.62	0.76
OW-05M	227.00	7613185.86	2103008.06	4	458.41	457.75	0.66
OW-05M	258.00	7613185.86	2103008.06	4	457.99	457.59	0.41
OW-05M	289.00	7613185.86	2103008.06	4	457.47	457.18	0.30
OW-05M	319.00	7613185.86	2103008.06	4	457.58	457.28	0.30
OW-05M	350.00	7613185.86	2103008.06	4	457.62	457.32	0.31
OW-05S	15.00	7613186.80	2103017.60	1	456.30	456.73	-0.43
OW-05S	46.00	7613186.80	2103017.60	1	455.83	456.34	-0.51
OW-05S	77.00	7613186.80	2103017.60	1	455.63	455.94	-0.32
OW-05S	105.00	7613186.80	2103017.60	1	455.94	456.07	-0.13
OW-05S	136.00	7613186.80	2103017.60	1	456.43	456.24	0.19
OW-05S	166.00	7613186.80	2103017.60	1	457.13	456.81	0.32
OW-05S	197.00	7613186.80	2103017.60	1	457.34	457.23	0.11
OW-05S	227.00	7613186.80	2103017.60	1	457.32	457.35	-0.03
OW-05S	258.00	7613186.80	2103017.60	1	457.18	457.29	-0.11
OW-05S	289.00	7613186.80	2103017.60	1	457.06	457.06	0.01
OW-05S	319.00	7613186.80	2103017.60	1	456.98	457.08	-0.10
OW-05S	350.00	7613186.80	2103017.60	1	456.88	457.07	-0.19
PT2D	46.00	7616017.74	2102646.24	3	451.85	452.73	-0.87
PT2D	77.00	7616017.74	2102646.24	3	452.72	453.26	-0.54
PT2D	105.00	7616017.74	2102646.24	3	452.96	453.47	-0.51
PT2D	136.00	7616017.74	2102646.24	3	454.27	454.63	-0.36
PT2D	166.00	7616017.74	2102646.24	3	455.17	455.43	-0.25
PT2D	197.00	7616017.74	2102646.24	3	454.82	455.19	-0.37
PT2D	227.00	7616017.74	2102646.24	3	454.49	454.95	-0.46
PT2D	258.00	7616017.74	2102646.24	3	454.15	454.69	-0.54
PT2D	289.00	7616017.74	2102646.24	3	454.25	454.71	-0.46
PT2D	319.00	7616017.74	2102646.24	3	454.05	454.64	-0.59
PT2D	350.00	7616017.74	2102646.24	3	453.60	454.16	-0.57
PT5D	15.00	7616112.09	2102629.47	3	453.42	453.84	-0.42
PT5D	46.00	7616112.09	2102629.47	3	452.46	452.84	-0.38
PT5D	77.00	7616112.09	2102629.47	3	453.25	453.44	-0.20
PT5D	105.00	7616112.09	2102629.47	3	453.50	453.66	-0.16

Appendix B
 Transient Calibration Data
 PGE
 Topock Compressor Station
 Needles, California

Name	Time (day)	X	Y	Layer	Observed Water Level (ft NAVD 88)	Computed Water Level (ft NAVD 88)	Residual (ft)
PT5D	136.00	7616112.09	2102629.47	3	454.84	454.87	-0.02
PT5D	166.00	7616112.09	2102629.47	3	455.71	455.64	0.07
PT5D	197.00	7616112.09	2102629.47	3	455.34	455.37	-0.03
PT5D	227.00	7616112.09	2102629.47	3	455.02	455.14	-0.12
PT5D	258.00	7616112.09	2102629.47	3	454.68	454.86	-0.17
PT5D	289.00	7616112.09	2102629.47	3	454.75	454.86	-0.10
PT5D	319.00	7616112.09	2102629.47	3	454.68	454.87	-0.19
PT5D	350.00	7616112.09	2102629.47	3	454.26	454.32	-0.06
PT6D	15.00	7616074.62	2102672.77	3	453.47	453.81	-0.34
PT6D	46.00	7616074.62	2102672.77	3	452.52	452.82	-0.30
PT6D	77.00	7616074.62	2102672.77	3	453.29	453.40	-0.11
PT6D	105.00	7616074.62	2102672.77	3	453.55	453.62	-0.07
PT6D	136.00	7616074.62	2102672.77	3	454.88	454.81	0.07
PT6D	166.00	7616074.62	2102672.77	3	455.76	455.59	0.17
PT6D	197.00	7616074.62	2102672.77	3	455.31	455.33	-0.01
PT6D	227.00	7616074.62	2102672.77	3	454.95	455.10	-0.15
PT6D	258.00	7616074.62	2102672.77	3	454.60	454.82	-0.22
PT6D	289.00	7616074.62	2102672.77	3	454.67	454.83	-0.15
PT6D	319.00	7616074.62	2102672.77	3	454.56	454.81	-0.25
PT6D	350.00	7616074.62	2102672.77	3	454.02	454.29	-0.26

Residual Statistics

Residual Mean (ft)	-0.01
Residual Std. Deviation (ft)	0.42
Sum of Squares (ft ²)	145.98
Number of Observations	827
Range in Observations (ft)	6.75
Scaled Residual Std. Deviation	6.2%