

Appendix A
Field Sampling Logs

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HDR

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book #

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ID	Date	Purge/Sample Equipment		Water-quality Equipment	
54MW1	9/30/15				
Samplers' Initials	Time	<input type="checkbox"/> Peristaltic: <input checked="" type="checkbox"/> Bladder: Gotech 1.66 x 12		Water-level Meter: Gotech	
Casing Diameter (in)	Casing Stickup (ft)			Oil-water Interface Meter: NA	
4"	1.8'				
Initial Water Level (ft-btoc)	Total Well Depth (ft-btoc)	<input type="checkbox"/> Other:		Parameter Meter(s): T Cond pH DO ORP NTU	
19.34	57.4			YSI 556 ORP	
Final Water Level (ft-btoc)	Screened Interval (ft-btoc)			Turbidity Meter: HACH	
19.34	34.8-34.8'				
Purge Volume (liters)	Sample Depth (ft-btoc)				
	45'				

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. (°F)	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
0835	19.34	150 ml		14.64	2.47	5.5	2.2	257	2.85
0840	/	/		14.27	0.474	5.5	1.48	247	0.68
0845	/	/		14.21	0.474	5.7	1.20	239	0.75
0850	/	/		14.14	0.474	5.9	0.93	224	0.57
0855	/	/		14.14	0.473	6.18	0.75	213	0.71
0900	/	/		14.14	0.474	6.52	0.75	196	0.72
0905	/	/		14.14	0.474	6.6	0.75	189	0.68
0910	/	/		14.14	0.474	6.7	0.75	180	0.65

<input checked="" type="checkbox"/> Full Sample Suite Obtained <input type="checkbox"/> Partial Sample Suite Obtained <input type="checkbox"/> No Sample Obtained	Condition of Well, Remarks: Fe (Gisselborg) 8146 = 0.2 mg/L Mn (Gisselborg) 849 = 0.087 mg/L Explosives max, Turb, DOA TOC TIC 10.1 mg/L, Chloride, Sulphate Perchlorate Nitrate / Chloride
QC Samples: FD FS RB AB MS/MSD	
See CDC for analyses requested.	
Sample ID: 54MW1	QC Sample ID: 124
Protective Level Dermal (D) C B A	Sample Time: 0915
Respiratory: (D) C B A	<input type="checkbox"/> Metals Sample Filtered Filter
	Sampler's Signature: [Signature] Checked by: Date: 9/30/15

Temp. $\pm 1^\circ\text{C}$
 pH ± 0.1 units
 EC $\pm 10\%$
 Turb. $\pm 10\%$ < 50 NTU
 DO $\pm 10\%$
 Redox ± 10 mV

HDR

Log Book # _____

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

 Page 1 of 1

ID 54M010	Date 9/30/15	Purge/Sample Equipment	Water-quality Equipment
Samplers' Initials PJW	Time 13:30	() Peristaltic:	Water-level Meter: Geotech
Casing Diameter (in) 2"	Casing Stickup (ft) 2.2'	() Bladder: Geotech x 18	Oil-water Interface Meter: NA
Initial Water Level (ft-btoc) 8.24	Total Well Depth (ft-btoc) 28.2'	() Other:	Parameter Meter(s): T Cond pH DO ORP NTU
Final Water Level (ft-btoc)	Screened Interval (ft-btoc) 12-27'		YSI 556 MFS
Purge Volume (liters)	Sample Depth (ft-btoc) 25'		Turbidity Meter: HACH

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1345	8.24	150 ml	—	16.8	372	6.5	1.9	53	36.8
1350	✓	✓		16.1	375	6.5	0.71	44.7	32.9
1355	✓	✓		15.8	357	6.6	1.34	37.2	31.0
1400	✓	✓		15.9	336	6.6	3.36	50.0	35.8
1405	✓	✓		15.9	330	6.6	5.59	61.4	30.9
1410	✓	✓		15.9	328	6.7	6.22	67.5	30.7
1415	✓	✓		15.8	329	6.7	7.80	70.5	30.1
1420	✓	✓		15.8	329	6.8	8.20	71.0	30.7

<input checked="" type="checkbox"/> Full Sample Suite Obtained <input type="checkbox"/> Partial Sample Suite Obtained <input type="checkbox"/> No Sample Obtained QC Samples: <input checked="" type="checkbox"/> FD <input type="checkbox"/> FS <input type="checkbox"/> RB <input type="checkbox"/> AB <input type="checkbox"/> MS/MSD <small>See CQC for analysis requested</small>	Condition of Well, Remarks: Fe (dis) 8146 = 0.11 mg/L Mn (dis) 8149 = 0.081 mg/L SWMUS4-TM Explosives Amx, Dmx, Tmx TIC, Nitrate, Sulfate, Chloride Radiolabel Chlorate/Chlorite
Sample ID: 54M010 Protective Level Dermal: <input checked="" type="checkbox"/> C <input type="checkbox"/> B <input type="checkbox"/> A Respiratory: <input checked="" type="checkbox"/> C <input type="checkbox"/> B <input type="checkbox"/> A	QC Sample ID: 54300MUS4-TM Sample Time: 1425 <input type="checkbox"/> Metals Sample Filtered N/A Filter
Sampler's Signature: <i>[Signature]</i> Checked by: _____ Date: 9/30/15	

Temp. $\pm 1^\circ\text{C}$
 pH ± 0.1 units
 EC $\pm 10\%$
 Turb. $\pm 10\%$ < 50 NTU
 DO $\pm 10\%$
 Radex ± 10 mV

HDR

Log Book # _____

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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ID 54 MW12	Date 9/30/15	Purge/Sample Equipment		Water-quality Equipment	
Samplers' Initials PJW	Time 1015	<input type="checkbox"/> Peristaltic:		Water-level Meter: Geotech	
Casing Diameter (in) 2"	Casing Stickup (ft) 2.3'	Bladder: Geotech 1.66 x 18		Oil-water Interface Meter: NA	
Initial Water Level (ft btoc) 24.4	Total Well Depth (ft-btoc) 30'	<input type="checkbox"/> Other:		Parameter Meter(s): T Cond pH DO ORP NTU	
Final Water Level (ft-btoc)	Screened Interval (ft-btoc) 20-30'			YSI 556 MPS	
Purge Volume (liters)	Sample Depth (ft-btoc) 28'			Turbidity Meter: HACH	

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1035	24.4	100 ml	/	14.9	0.527	6.51	6.51	173	33.9
1045	/	/	/	14.8	0.560	6.53	6.38	176	34.7
1050	/	/	/	14.7	0.559	6.54	6.17	181	34.8
1055	/	/	/	14.7	0.559	6.54	6.34	185	37.55
1100	/	/	/	14.7	0.559	6.55	6.27	189	5.20
1105	/	/	/	14.8	0.559	6.55	6.3	191	4.43
1110	/	/	/	14.8	0.558	6.55	6.28	196	3.61
1115	/	/	/	14.8	0.558	6.58	5.9	247	3.06
1120	/	/	/	14.8	0.558	5.4	5.9	263	2.78

<input checked="" type="checkbox"/> Full Sample Suite Obtained	Condition of Well, Remarks: Explosives Mn, Pb, Twp TOC TIC, Nitrate, Chloride, Sulfate Perchlorate Chlorate, Chlorite
<input type="checkbox"/> Partial Sample Suite Obtained	
<input type="checkbox"/> No Sample Obtained	
QC Samples: FD FS RB AB MS/MSD	
See COC for analyses requested.	
Sample ID: 54 MW12	QC Sample ID: 54 MW12 MSMSD
Protective Level Dermal: D C B A	Sample Time: 1130
Respiratory: D C B A	<input type="checkbox"/> Metals Sample Filtered NA Filter Date: 9/30/15
Sampler's Signature: PJW	
Checked by: _____	

Temp. $\pm 1^\circ\text{C}$ pH ± 0.1 unitsEC $\pm 10\%$ Turb. $\pm 10\%$ < 50 NTUDO $\pm 10\%$ Redox ± 10 mV

HDR

Log Book # _____

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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ID 5401W12	Date 9/30/15	Purge/Sample Equipment		Water-quality Equipment					
Samplers' Initials PLW	Time 1015	<input type="checkbox"/> Peristaltic: <input checked="" type="checkbox"/> Bladder: Gastech 1.66 x 18		Water-level Meter: Gastech					
Casing Diameter (in) 2"	Casing Stickup (ft) 2.3			Oil-water Interface Meter: N/A					
Initial Water Level (ft btoc) 24.4	Total Well Depth (ft-btoc) 30'	<input type="checkbox"/> Other:		Parameter Meter(s): T Cond pH DO ORP NTU					
Final Water Level (ft-btoc)	Screened Interval (ft-btoc) 20-30'			YSL 552AERS					
Purge Volume (liters)	Sample Depth (ft-btoc) 28'			Turbidity Meter: HACH					

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1125	24.6	-	-	14.8	0.552	5.4	6.0	264	2.66

<input checked="" type="checkbox"/> Full Sample Suite Obtained <input type="checkbox"/> Partial Sample Suite Obtained <input type="checkbox"/> No Sample Obtained	Condition of Well, Remarks:
QC Samples: FD FS RB AB <u>MS/MSD</u>	
See CDC for analyses requested.	
Sample ID: 5401W12 Protective Level Dermal <u>D</u> C B A Respiratory: <u>D</u> C B A	QC Sample ID: 5401W12MSMSD Sample Time: 1130 <input type="checkbox"/> Metals Sample Filtered
Sampler's Signature: <u>PLW</u> Checked by: _____ Date: 9/30/15	

Temp. $\pm 1^\circ\text{C}$ pH ± 0.1 unitsEC $\pm 10\%$ Turb. $\pm 10\%$ < 50 NTUDO $\pm 10\%$ Redox ± 10 mV

HDR

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book #

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ID 544013	Date 9/30/15	Purge/Sample Equipment	Water-quality Equipment
Samplers' initials SJC	Time 1245	() Peristaltic	Water level Meter: Gortech
Casing Diameter (in) 2"	Casing Stickup (ft) 3'	() Bladder: Gortech x 18	Oil-water Interface Meter: NA
Initial Water Level (ft bblc) 20.4	Total Well Depth (ft bblc) 22	() Other:	Parameter Meter(s): T Cond pH DO ORP NTU
Final Water Level (ft bblc)	Screened Interval (ft bblc) 12-22		YSI 556 MPS
Purge Volume (liters)	Sample Depth (ft bblc) 22		Turbidity Meter: HACH

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mv)	Turb. (NTU)
1250	20.4	130 mL		16.47	0.725	6.99	3.97	190.8	1.8
1255				15.72	0.663	6.91	4.69	187.0	2.6
1300				15.33	0.605	6.84	5.30	188.4	5.62
1305				15.09	0.571	6.79	5.67	191.1	2.95
1310				14.95	0.560	6.76	5.79	192.3	2.70
1315				14.88	0.549	6.74	6.54	196.6	2.72
1320				14.83	0.543	6.70	6.07	197.6	1.03
1325				14.83	0.539	6.70	6.11	195.8	2.85
1330				14.81	0.535	6.71	6.12	195.2	1.34

☒ Full Sample Suite Obtained

☐ Partial Sample Suite Obtained

☐ No Sample Obtained

QC Samples: FD FS RB AB MS/MSD

See CDC for analysis requested

Sample ID: 544013

Protective Level Dermal D C B A

Respiratory D C B A

Condition of Well, Remarks:

 EXPLOSIVES
 FE, DISSOLVED = 0.07 mg/L MNX/TNX/RNX

 MN, DISSOLVED = 0.047 mg/L TOC
 TIC (NITRATE/CHLORIDE/SULFATE)

Sampler's Signature:

Checked by:

Date:

QC Sample ID: NONE

Sample Time: 1355

☐ Metals Sample Filtered N/A

Filter

 PERCHLORATE
 CHLORATE/CHLORITE

 Temp. $\pm 1^\circ\text{C}$

 pH ± 0.1 units

 EC $\pm 10\%$

 Turb. $\pm 10\%$ < 50 NTU

 DO $\pm 10\%$

 Redox ± 10 mV



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book #

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ID 54MW13	Date 9/30/15	Purge/Sample Equipment		Water-quality Equipment	
Samplers' Initials SOL	Time	<input type="checkbox"/> Peristaltic:		Water-level Meter:	
Casing Diameter (in) 2"	Casing Stickup (ft) 3'	<input type="checkbox"/> Bladder:		Oil-water Interface Meter:	
Initial Water Level (ft btoc) 20.4	Total Well Depth (ft-btoc) 22	<input type="checkbox"/> Other:		Parameter Meter(s): T Cond pH DO ORP NTU	
Final Water Level (ft-btoc)	Screened Interval (ft-btoc) 12-22				
Purge Volume (liters)	Sample Depth (ft-btoc)			Turbidity Meter:	

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. (°C)	Cond. (µS/cm)	pH	DO (mg/L)	ORP (mV)	Turb. (NTU)
1335				14.78	0.532	6.70	6.16	195.8	1.30
1340				14.77	0.531	6.69	6.19	196.9	1.01
1345				14.83	0.530	6.68	6.27	196.8	1.15
1350				14.83	0.529	6.69	6.53	198.0	1.00

<input type="checkbox"/> Full Sample Suite Obtained	Condition of Well, Remarks:		
<input type="checkbox"/> Partial Sample Suite Obtained:			
<input type="checkbox"/> No Sample Obtained			
QC Samples: FD FS RB AB MS/MSD See CDC for analyses requested.			
Sample ID:	QC Sample ID:	Sampler's Signature:	
Protective Level Dermal: D C B A	Sample Time:		
Respiratory: D C B A	<input type="checkbox"/> Metals Sample Filtered	Filter	Checked by:
			Date:

Temp. $\pm 1^\circ\text{C}$ pH ± 0.1 unitsEC $\pm 10\%$ Turb. $\pm 10\%$ < 50 NTUDO $\pm 10\%$ Redox ± 10 mV



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

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ID 5AMW1	Date 1/12/16	Purge/Sample Equipment		Water-quality Equipment					
Samplers' Initials SJL	Time 0815	(<input type="checkbox"/>) Peristaltic:		GEO TECH Water level Meter: KECK 200					
Casing Diameter (in) 4"	Casing Stickup (ft)	GEO TECH Bladder: 1.66 X 18		Oil-water Interface Meter: N/A					
Initial Water Level (ft-btoc) 17.49	Total Well Depth (ft-btoc) 602	(<input type="checkbox"/>) Other:		Parameter Meter(s): T Cond pH DO ORP NTU					
Final Water Level (ft-btoc)	Screened Interval (ft-btoc)			YSI					
Purge Volume (liters) ~1 GAL	Sample Depth (ft-btoc) 45			Turbidity Meter: HACH 2100K					
Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
0820	17.49			8.5	3.7	7.43	8.61	85.8	4.06
0825				9.9	3.3	7.61	8.56	87.5	2.26
0830				9.9	3.1	7.61	8.64	72.3	1.07
0835				9.3	3.2	7.64	9.44	75.3	0.81
0840				9.3	2.9	7.62	9.99	75.1	1.21
0845				9.5	3.1	7.62	10.30	74.2	2.70
0850				9.6	3.2	7.59	9.59	75.0	2.98
0855				9.6	2.8	7.60	9.89	76.2	2.78
<input checked="" type="checkbox"/> Full Sample Suite Obtained		Condition of Well, Remarks: EXPOSURES MNX/TNX/DNX PERCHLORATE CHLORATE/CHLORITE TOL TIL NITRATE/SULFATE / CHLORIDE							
<input type="checkbox"/> Partial Sample Suite Obtained									
<input type="checkbox"/> No Sample Obtained									
QC Samples: FD FS RB AB MS/MSD		Sampler's Signature: _____							
See COC for analyses requested.		QC Sample ID: NONE							
Sample ID: 5AMW1D		Sample Time: 0900							
Protective Level Dermal <input type="checkbox"/> C B A		Checked by: _____							
Respiratory: <input checked="" type="checkbox"/> C B A		Date: 1/12/16							

Temp. $\pm 1^\circ\text{C}$ pH ± 0.1 unitsEC $\pm 10\%$ Turb. $\pm 10\%$ < 50 NTUDO $\pm 10\%$ Redox ± 10 mV

FE = 0.00

Mn = 0.063 mg/L

HDR

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book #

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ID 54 MW10	Date 1/11/16	Purge/Sample Equipment	Water-quality Equipment
Samplers' Initials JL	Time 1316	() Peristaltic:	KECK 200' Water-level Meter:
Casing Diameter (in) 4"	Casing Stickup (ft)	GEOTECH Bladder: 1.66 x 18	Oil-water Interface Meter:
Initial Water Level (ft btoc) 13.94	Total Well Depth (ft-btoc) 35	() Other:	YSI Parameter Meter(s): T Cond pH DO ORP NTU
Final Water Level (ft-btoc)	Screened Interval (ft-btoc) 12-27		
Purge Volume (liters) 2.5 GALL	Sample Depth (ft-btoc) 21		HACH 2100Q Turbidity Meter:

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO (%)	ORP (mV)	Turb. (NTU)
1320	13.94	200 mL		11.7	0.65	6.24	88.5	121.9	1.61
1325				12.0	0.66	6.31	88.8	106.8	2.32
1330				12.1	0.67	6.31	6.00	101.5	1.06
1335				12.4	0.67	6.34	7.40	97.8	1.05
1340				12.4	0.60	6.23	4.94	92.8	1.31
1345				12.6	0.55	6.13	5.34	92.9	0.81
1350				12.4	0.55	6.13	4.80	90.9	0.99
1355				12.6	0.54	6.15	6.41	89.0	0.84
1400				12.5	0.54	6.16	6.51	89.2	1.28

<input checked="" type="checkbox"/> Full Sample Suite Obtained <input type="checkbox"/> Partial Sample Suite Obtained <input type="checkbox"/> No Sample Obtained QC Samples: <input checked="" type="radio"/> FD <input type="radio"/> FS <input type="radio"/> RB <input type="radio"/> AB <input type="radio"/> MS/MSD Note COC for analysis requested.	Condition of Well, Remarks: EXPLOSIVES, MNX/DNX/TNX TIC TOC NITRATE/SULFATE/CHLORIDE PERCHLORATE	Sampler's Signature: <i>[Signature]</i> Checked by: Date: 1/11/16
Sample ID: 54 MW10 Protective Level Dermal: <input checked="" type="radio"/> D <input type="radio"/> C <input type="radio"/> B <input type="radio"/> A Respiratory: <input checked="" type="radio"/> D <input type="radio"/> C <input type="radio"/> B <input type="radio"/> A	QC Sample ID: 54 MW10 Sample Time: 1415 <input type="checkbox"/> Metals Sample Filtered <input checked="" type="checkbox"/> NO Filter	

 CHLORITE /
CHLORATE

Temp. $\pm 1^\circ\text{C}$
 pH ± 0.1 units
 EC $\pm 10\%$
 Turb. $\pm 10\%$ < 50 NTU
 DO $\pm 10\%$
 Redox ± 10 mV

FE = 0.02 MG/L
 MN = 0.054 mg/L



Temp. $\pm 1^\circ\text{C}$
pH ± 0.1 units
EC $\pm 10\%$
Turb. $\pm 10\%$ < 50 NTU
DO $\pm 10\%$
Redox ± 10 mV

54 TM 10
FE = 0.00
MN = 0.054

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LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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ID 54 MW12	Date 11/12/16	Purge/Sample Equipment		Water-quality Equipment	
Samplers' Initials	Time 1108	<input type="checkbox"/> Peristaltic: <input checked="" type="checkbox"/> Bladder: <input type="checkbox"/> Other:		KECK 200' Water-level Meter:	
Casing Diameter (in) 2"	Casing Stickup (ft)	GEOTECH 1.66 X 18		Oil-water Interface Meter:	
Initial Water Level (ft-btoc) 22.94	Total Well Depth (ft-btoc) 30	<input type="checkbox"/> Other:		YSI Parameter Meter(s): T Cond pH DO ORP NTU	
Final Water Level (ft-btoc)	Screened Interval (ft-btoc) 20-30				
Purge Volume (liters) 1.5 GALL	Sample Depth (ft-btoc) 28			HACH 2100Q Turbidity Meter:	

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1115	22.94	150 mL		11.6	579.0	6.74	8.17	75.3	49.3
1120				11.6	572.2	6.77	7.96	78.9	22.7
1125				11.9	582.9	6.78	7.46	80.7	12.6
1130				11.8	583.5	6.78	7.65	82.6	12.3
1135				12.0	582.5	6.78	7.81	85.8	9.56
1140				12.0	589.2	6.79	8.57	87.6	8.77
1145				12.1	588.9	6.79	8.69	88.9	6.11
1150				11.9	591.7	6.79	8.27	91.5	6.45
1155				12.4	599.5	6.79	8.62	92.4	5.80

<input checked="" type="checkbox"/> Full Sample Suite Obtained <input type="checkbox"/> Partial Sample Suite Obtained <input type="checkbox"/> No Sample Obtained	Condition of Well, Remarks: EXPLOSIVES MX / TX / DN X TOC PERCHLORATE	CHLORATE / CHLORITE TIC NITRATE / SULFATE / CHLORIDES
QC Samples: FD FS RB AB MS/MSD See COC for analysis requested	Sample ID: 54 MW12 Protective Level: Dermal D C B A Respiratory: D C B A	QC Sample ID: 54 MW12 Sample Time: 1200 <input type="checkbox"/> Metals Sample Filtered
Sampler's Signature: _____		Checked by: _____ Date: _____

Temp. $\pm 1^\circ\text{C}$
 pH ± 0.1 units
 EC $\pm 10\%$
 Turb. $\pm 10\%$ < 50 NTU
 DO $\pm 10\%$
 Redox ± 10 mV

FE = 0.10
 MN = 0.030 mg/L

HDR

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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ID 54MW13		Date 1/12/16		Purge/Sample Equipment		Water-quality Equipment			
Samplers' Initials		Time 1333		<input type="checkbox"/> Peristaltic: <input type="checkbox"/> Bladder: <input type="checkbox"/> Other:		Water-level Meter: KFLK			
Casing Diameter (in) 2"		Casing Stickup (ft)		GEO TECH 1.66 X 18		Oil-water Interface Meter:			
Initial Water Level (ft-btoc) 19.42		Total Well Depth (ft-btoc) 22				Parameter Meter(s): T Cond pH DO ORP NTU YSI			
Final Water Level (ft-btoc)		Screened Interval (ft-btoc) 12-22							
Purge Volume (liters)		Sample Depth (ft-btoc) 21				Turbidity Meter: HALH 2100Q			

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1435	19.42	135 mL		11.1	304.4	6.98	59.0	58.7	35.4
1440				11.4	308.1	6.99	64.4	64.3	17.1
1445				11.2	313.1	7.00	8.20	69.1	9.55
1450				11.5	318.6	7.01	9.20	71.8	8.57
1455				11.7	323.7	7.01	8.93	72.4	8.57
1500				11.6	324.0	7.01	8.74	73.2	7.99
1505									

<input checked="" type="checkbox"/> Full Sample Suite Obtained <input type="checkbox"/> Partial Sample Suite Obtained <input type="checkbox"/> No Sample Obtained	Condition of Well, Remarks: NO WATER @ 15 MIN; PULLED PUMP AND REPAIRED BLADDER. RESTARTED AT 1405 NO WATER @ 10 MIN; PULLED PUMP AND SWITCHED. RESTARTED @ 1430
QC Samples: FD FS RB AB MS/MSD See CDC for analysis requested	Sample ID: 54MW13 Protective Level: Dermal D C B A Respiratory: D C B A
QC Sample ID: None Sample Time: 1505 <input type="checkbox"/> Metals Sample Filtered	Sample Signature: <i>[Signature]</i> Checked by: _____ Date: _____

 Temp. $\pm 1^\circ\text{C}$

 pH ± 0.1 units

 EC $\pm 10\%$

 Turb. $\pm 10\%$ < 50 NTU

 DO $\pm 10\%$

 Redox ± 10 mV

FE = 0.05

MN = 0.063 mg/L

EXPLOSIVES

TNX / MNX / ONX

TOX

TIC

NITRATE / CHLORIDE / SULFATE

CHLORATE / CHLORITE

PERCHLORATE



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

Page 1 of 1

ID SAMW1	Date 4/14/16	Purge/Sample Equipment	Water-quality Equipment						
Samplers' Initials SJL	Time 0815	() Peristaltic:	KECK 200' Water-level Meter:						
Casing Diameter (in) 4"	Casing Stickup (ft)	GEOTECH (X) Bladder: 1.66 x 18	Oil-water Interface Meter:						
Initial Water Level (ft btoc) 17.53	Total Well Depth (ft-btoc) 54.8	() Other:	YSI 554 Parameter Meter(s): T Cond pH DO ORP NTU						
Final Water Level (ft-btoc) 20.68	Screened Interval (ft-btoc) 34.8-54.8								
Purge Volume (liters) ~1 GAL	Sample Depth (ft-btoc) 40		HACH 2100Q Turbidity Meter:						
Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
0824		120mL		11.30	441	7.64	5.32	62.4	0.83
0829				11.88	441	7.63	4.25	53.5	0.48
0834				11.98	440	7.62	4.03	51.4	0.42
0839				11.97	440	7.61	4.04	50.9	0.60
0844				12.01	440	7.61	4.00	51.0	0.39
<input checked="" type="checkbox"/> Full Sample Suite Obtained		Condition of Well, Remarks: 0816: FIRST WATER IN CELL; CLEAR SETTING: 10/50 FE = 0.02 mg/L MN = 0.021 mg/L							
() Partial Sample Suite Obtained									
() No Sample Obtained									
QC Samples <input checked="" type="checkbox"/> FS RB AB MS/MSD		Sampler's Signature: SJL							
See COC for analyses requested		Sample ID: SATM1							
Sample ID: SATM1 SAMW1		Sample Time: 0849							
Protective Level Dermal: <input checked="" type="checkbox"/> C B A		Checked by: _____							
Respiratory: <input checked="" type="checkbox"/> C B A		Date: 4/14/16							

EXPLOSIVES
HNX / RDX / TNX
TOC DNX
TIC / NITRATE /
SULFATE / CHLORIDE
CHLORATE / CHLORITE



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

Page 1 of 2

ID: 54MW10	Date: 4/14/16	Purge/Sample Equipment	Water-quality Equipment						
Samplers' Initials	Time: 1218	() Peristaltic:	KECK 200'						
Casing Diameter (in): 4"	Casing Stickup (ft)	(X) Bladder: GEOTECH 1.6x18	Water-level Meter:						
Initial Water Level (ft-btoc): 15.83	Total Well Depth (ft-btoc): 27	() Other:	YSI 556						
Final Water Level (ft-btoc): 15.84	Screened Interval (ft-btoc): 12-27		Parameter Meter(s): T Cond pH DO ORP NTU						
Purge Volume (liters): ~1.5 GAL	Sample Depth (ft-btoc): 22		HACH 2100Q						
			Turbidity Meter:						
Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1225				14.33	757	7.14	2.12	92.2	5.00
1230				13.76	787	7.15	0.75	82.1	4.14
1235				13.40	797	7.15	0.37	77.4	3.33
1240				13.41	798	7.14	0.28	74.7	4.67
1245				13.33	792	7.11	0.25	72.5	4.14
1250				13.32	754	7.00	0.29	71.8	4.07
1255				13.23	720	6.91	0.39	71.9	4.11
1300				13.14	676	6.83	0.46	71.9	3.73
1305				13.30	627	6.74	0.51	72.3	3.19
(X) Full Sample Suite Obtained		Condition of Well, Remarks:							
() Partial Sample Suite Obtained		LOCATED OUTSIDE GATE 19E; CALLED SECURITY							
() No Sample Obtained		AT 1146 FOR ACCESS							
QC Samples: FD FS RB AB MS/MSD		1219: FIRST WATER IN CELL							
See COC for analyses requested		SETTING: 15 10/50							
Sample ID: 54MW10		QC Sample ID: NONE							
Protective Level Dermal () C B A		Sample Time: 1320							
Respiratory: (X) B A		Checked by: [Signature]							
		Date: 4/14/16							

EXPLOSIVES

MNX / BOX / TNX

TOL

TIC / NITRATE / SULFATE / CHLORIDE

PERCHLORATE

CHLORATE / CHLORITE

Fe = 0.03 mg/L

Mn 0.05 mg/L



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

Page 2 of 2

ID 5ANW10	Date 4/14/16	Purge/Sample Equipment		Water-quality Equipment					
Samplers' Initials	Time	<input type="checkbox"/> Peristaltic:		Water-level Meter:					
Casing Diameter (in) 4"	Casing Stickup (ft)	<input type="checkbox"/> Bladder:		Oil-water Interface Meter:					
Initial Water Level (ft-btoc)	Total Well Depth (ft-btoc)	<input type="checkbox"/> Other:		Parameter Meter(s): T Cond pH DO ORP NTU					
Final Water Level (ft-btoc)	Screened Interval (ft-btoc)								
Purge Volume (liters)	Sample Depth (ft-btoc)								
				Turbidity Meter:					
Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1310				13.31	615	6.72	0.57	72.4	3.34
1315				13.40	602	6.71	0.61	73.5	3.74
<input type="checkbox"/> Full Sample Suite Obtained			Condition of Well, Remarks:						
<input type="checkbox"/> Partial Sample Suite Obtained									
<input type="checkbox"/> No Sample Obtained									
QC Samples: FD FS RB AB MS/MSD									
See COC for analyses requested.			QC Sample ID:			Sampler's Signature:			
Sample ID:			Sample Time: 1310			Checked by:			
Protective Level Dermal: D C B A			<input type="checkbox"/> Metals Sample Filtered			Filter Date:			
Respiratory: D C B A									



Log Book # _____

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1

ID SAMW12	Date 04/14/16	Purge/Sample Equipment	Water-quality Equipment
Samplers' Initials SUL	Time 1434	() Peristaltic:	KECK 200' Water-level Meter:
Casing Diameter (in) 2"	Casing Stickup (ft)	GEOTECH (X) Bladder:	Oil-water Interface Meter:
Initial Water Level (ft btoc) 23.91	Total Well Depth (ft-btoc) 30	() Other:	YSI 556 Parameter Meter(s): T Cond pH DO ORP NTU
Final Water Level (ft-btoc) 23.93	Screened Interval (ft-btoc) 20-30		
Purge Volume (liters) ~1 GALL	Sample Depth (ft-btoc) 27		HACH 2100Q Turbidity Meter:

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1442		120ml		16.53	240	6.42	8.85	109.7	4.60
1447				14.75	302	6.45	6.47	93.6	7.00
1452				14.37	327	6.46	6.10	93.2	9.75
1457				14.40	343	6.44	5.93	93.8	8.22
1502				14.33	347	6.45	5.65	93.2	6.92
1507				14.32	353	6.44	5.80	93.4	5.70

<input checked="" type="checkbox"/> Full Sample Suite Obtained	Condition of Well, Remarks: 1438: FIRST WATER IN CELL SETTING: 10/50 FE = 0.04 mg/L Mn = 0.020 mg/L	EXPOSURES MANX / BOX / TMX MANX TOL TIC/NITRATE/SULFATE/CHLORIDE
() Partial Sample Suite Obtained		
() No Sample Obtained		
QC Samples: FD FS RB AB <u>MS/MSD</u>		
See COC for analyses requested		
Sample ID: SAMW12	QC Sample ID: SAMW12	Sampler's Signature:
Protective Level Derma: <u>D</u> C B A	Sample Time: 1512	Checked by:
Respiratory: <u>D</u> C B A	() Metals Sample Filtered	Filter
		Date: 4/14/16

PERCHLORATE
CHLORATE/
CHLORIDE



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

Page 1 of 1

ID S4MW13	Date 4/14/16	Purge/Sample Equipment		Water-quality Equipment					
Samplers' Initials SJL	Time 1010	<input type="checkbox"/> Peristaltic		KECK 200' Water-level Meter:					
Casing Diameter (in) 2"	Casing Stickup (ft)	GEOTECH 1.66 x 13 <input checked="" type="checkbox"/> Bladder		Oil-water Interface Meter:					
Initial Water Level (ft btoc) 20.49	Total Well Depth (ft-btoc) 22	<input type="checkbox"/> Other:		VSI 556 Parameter Meter(s): T Cond pH DO ORP NTU					
Final Water Level (ft-btoc) 20.50	Screened Interval (ft-btoc) 12-22								
Purge Volume (liters) -0.5 GAL	Sample Depth (ft-btoc) 21.30			HACH 2100Q Turbidity Meter:					
Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1025		70 mL		13.27	224	6.74	7.18	77.7	5.83
1030				13.56	219	6.73	6.95	73.9	2.88
1035				13.33	220	6.73	6.90	72.2	2.45
1040				13.28	224	6.74	6.91	74.1	1.97
1045				13.52	229	6.77	6.86	76.8	1.16
<input checked="" type="checkbox"/> Full Sample Suite Obtained		Condition of Well, Remarks: ID14: FIRST WATER IN CELL SETTING: 10/50 1024:							
<input type="checkbox"/> Partial Sample Suite Obtained									
<input type="checkbox"/> No Sample Obtained									
QC Samples: FD FS RB AB MS/MSD		EXPLOSIVES MX/ROX/THX TOC TIC/NITRATE/SULFATE/ CHLORIDE							
See COC for analyses requested		SAMPLER'S SIGNATURE: SJL							
Sample ID:		QC Sample ID: NONE							
Protective Level Dermal <input checked="" type="checkbox"/> C B A		Sample Time: 1050							
Respiratory <input checked="" type="checkbox"/> C B A		<input type="checkbox"/> Metals Sample Filtered N Filter Date: 4/14/16							

FE = 0.02 mg/L

MN = 0.025 mg/L

PERCHLORATE
CHLORITE/
CHLORATE

HDR

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

 Page 1 of _____

Well ID: 5AW1	Date: 7/11/16	Purge/Sample Equipment	Water-quality Equipment
Sampler: 1430	Time: 1430	() Peristaltic	KECK 200' Water Level Meter
Casing Diameter (in): 4"	Casing Pickup (ft): 62	GEOTECH 1.00 X 18	Oil-water Interface Meter
Initial Water Level (ft bbl): 10.93	Total Well Depth (ft bbl): 62	() Bladder	YSI 556 Parameter Meter(s): Cond pH DO ORP NTU
Final Water Level (ft bbl): 22.93	Screened Interval (ft bbl): 51.8-59.8	() Other	
Purge Volume (liters): 36	Sample Depth (ft bbl): 36		HACH 2100Q Turbidity Meter

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. (°C/°F)	Cond. (µS/cm)	pH	DO (%/mg/L)	ORP (mV)	Turb. (NTU)
1435				18.96	980	7.44	5.86	13.6	3.24
1440				16.01	978	7.27	2.50	6.3	2.32
1445				15.82	974	7.26	2.15	3.3	1.38
1450				15.43	974	7.22	2.06	3.8	1.15
1455				15.36	973	7.22	2.03	3.4	0.51
1500				15.32	973	7.26	2.00	2.0	0.34
1505				15.32	973	7.22	2.63	6.6	0.71
1510				15.27	974	7.27	2.21	10.3	0.53
1515				15.29	973	7.26	2.15	11.8	0.48
1520				15.20	973	7.27	2.09	12.0	0.72

☒ Full Sample Suite Obtained

☐ Partial Sample Suite Obtained

☐ No Sample Obtained

of Samples: FD 15 RH AB MS/MVD

See list for analyses requested

 Sample ID: **5AW1**

Pre-test Level Interval: () () R A

 Reoperator: **8** R A

Condition of Well, Remarks:

SETTING: K/30, WATER IN CELL W/IN
MW.
FE = 0.0 mg/L
MN = 0.031 mg/L

Sampler's Signature:

 () Sample ID: **NONE**

 Sample Time: **1525**

() Metals Sample Filtered

Filter

Checked by:

 Date: **7/11/16**

EXPLOSIVES
 MAX 1 DMS / TOL
 TOC
 TIC / SULFATE /
 NITRATE /
 CHLORIDE
 PERCHLORATE
 CHLORATE /
 CHLORITE

1445 RINSEATE BLANK 071116R1



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

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ID 5409W10	Date 7/11/16	Purge/Sample Equipment		Water-quality Equipment	
Samplers' Initials RW	Time	<input type="checkbox"/> Peristaltic:		Water-level Meter: Cortech	
Casing Diameter (in) 4"	Casing Stickup (ft)	<input checked="" type="checkbox"/> Bladder: Cortech		Oil-water Interface Meter:	
Initial Water Level (ft-btoc) 16.38'	Total Well Depth (ft-btoc) 30.0'	<input type="checkbox"/> Other:		Parameter Meter(s): T Cond pH DO ORP NTU	
Final Water Level (ft-btoc)	Screened Interval (ft-btoc)			YSI 546	
Purge Volume (liters)	Sample Depth (ft-btoc)			Turbidity Meter: Hach 2100Q	

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. (°C/°F)	Cond. (µS/cm)	pH	DO % (mg/L)	ORP (mV)	Turb. (NTU)
10:40	16.38	12.5	0	14.41	832	7.41	0.77	90.2	11.5
10:50	16.3	1	1.250	14.27	825	7.45	0.51	86.8	9.78
10:55	16.3	1	1.500	13.71	819	7.49	0.39	85.4	10.2
11:00	16.3	1	2.500	13.79	810	7.51	0.34	85.1	8.51
11:05	16.3	1	3.275	13.8	795	7.56	0.34	89.4	5.55
11:10	16.3	1	3.9	13.75	780	7.38	0.41	116.4	5.42
11:15	16.3	1	4.525	13.79	771	7.39	0.38	108	5.24
11:20	16.3	1	5.15	13.79	770	7.39	0.37	108	5.34
11:25	16.3	1	5.775	13.79	775	7.59	0.37	109	5.36

<input checked="" type="checkbox"/> Full Sample Suite Obtained	Condition of Well, Remarks: Recharge good, clarity good. DID = 0.8 Took duplicate at 11:45 54TM10	
<input type="checkbox"/> Partial Sample Suite Obtained		
<input type="checkbox"/> No Sample Obtained		
QC Samples <input checked="" type="checkbox"/> FS <input type="checkbox"/> RB <input type="checkbox"/> AB <input type="checkbox"/> MS/MSD		
See COC for analyses requested		
Sample ID: 54MW10	QC Sample ID: 54TM10	Sampler's Signature: RW
Protective Level Dermal: D C B A	Sample Time: 11:30	Checked by: _____
Respiratory: D C B A	<input type="checkbox"/> Metals Sample Filtered	Filter: _____
		Date: 7/11/16

FE = 0.02 mg/L

MN = 0.048 mg/L

HDR

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Log Book # _____

 Page 1 of 1

ID SA MW12	Date 7/11/16	Purge/Sample Equipment	Water-quality Equipment
Samplers' Initials SJL	Time 1058	() Peristaltic	KECK 200'
Casing Diameter (in) 2"	Casing Stickup (ft)	GEOTECH 1.66 x 18	Water-level Meter:
Initial Water Level (ft btoc) 25.26	Total Well Depth (ft btoc) 30	() Bladder	Oil-water Interface Meter:
Final Water Level (ft btoc) 25.29	Screened Interval (ft btoc) 20-30	() Other	YSI 556
Purge Volume (liters) ~2 GAL	Sample Depth (ft btoc) 28'		Parameter Meter(s): T Cond pH DO ORP NTU
			HACH 2100Q
			Turbidity Meter:

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO % (mg/L)	ORP (mV)	Turb. (NTU)
1245		125 mL		17.76/608	6.65	3.74	6.6	26.1	
1250				15.23/588	6.11	3.96	17.6	21.6	
1255				14.70/520	6.29	4.33	9.1	82.8	
1300				14.42/509	6.26	4.59	8.6	25.4	
1305				14.29/502	6.26	4.62	8.7	13.1	
1310				14.33/499	6.32	4.60	8.2	6.50	

<input checked="" type="checkbox"/> Full Sample Suite Obtained	Condition of Well, Remarks: SETTING: 10/50 1120: NO WATER STOPPED TOC RMP TO REPLACE BLADDER TIC/NITRATE/SULFATE/CHLORIDE 1138: RESTART	EXPOSURES MPX/DPX/TNX PERCHLORATE CHLORATE/ CHLORITE
<input type="checkbox"/> Partial Sample Suite Obtained		
<input type="checkbox"/> No Sample Obtained		
QC Samples: FD FS RB AB MS/MSD		
See LCL for analyses requested	QC Sample ID: SA MW12	Sampler's Signature: <i>SJL</i>
Sample ID: SA MW12	Sample Time: 1315	Checked by: _____
Respiratory: <input checked="" type="checkbox"/> C B A	<input checked="" type="checkbox"/> Metals Sample Filtered	Filter: _____ Date: 7/11/16

1208: TURNED OFF (NO WATER); SWAPPED CONTROLLER TO TROUBLESHOOT

1239: CHANGED PUMP; WATER W/IN 1 MIN IN FLOW CELL

FE = 0.02 mg/L

MN = 0.033 mg/L



Log Book # _____

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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ID 5AMW3		Date 7/11/16		Purge/Sample Equipment		Water-quality Equipment			
Samplers' Initials		Time		<input type="checkbox"/> Peristaltic:		Water-level Meter:			
Casing Diameter (in)		Casing Stickup (ft)		<input type="checkbox"/> Bladder:		Oil-water Interface Meter:			
Initial Water Level (ft-btoc) 21.81		Total Well Depth (ft-btoc) 22		<input type="checkbox"/> Other:		Parameter Meter(s): T Cond pH DO ORP NTU			
Final Water Level (ft-btoc)		Screened Interval (ft-btoc)							
Purge Volume (liters)		Sample Depth (ft-btoc)							
						Turbidity Meter:			
Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
<input type="checkbox"/> Full Sample Suite Obtained			Condition of Well, Remarks:						
<input type="checkbox"/> Partial Sample Suite Obtained									
<input type="checkbox"/> No Sample Obtained									
QC Samples: FD FS RB AB MS/MSD			Sampler's Signature:						
See CQC for analyses requested									
Sample ID:			QC Sample ID:						
Protective Level Dermal: D C B A			Sample Time:						
Respiratory: D C B A			Checked by:						
			Date:						

7/11/16 - NOT ENOUGH WATER TO SAMPLE



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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ID 13 SAHW13	Date 7/14/16	Purge/Sample Equipment	Water-quality Equipment
Samplers' Initials SJL	Time 1000	() Peristaltic: GEOTECH 1.66 X 18	KECK 200' Water-level Meter:
Casing Diameter (in) 2"	Casing Stickup (ft)	<input checked="" type="checkbox"/> Bladder:	Oil-water Interface Meter:
Initial Water Level (ft) 21.98	Total Well Depth (ft-btoc) 25.33	() Other:	YSI 55 Parameter Meter(s): T Cond pH DO ORP NTU
Final Water Level (ft-btoc) 23.00	Screened Interval (ft-btoc)		
Purge Volume (liters) ~1.5 GAL	Sample Depth (ft-btoc) 24		HACH 2100Q Turbidity Meter:

Time	Depth to Water (ft)	Pumping Rate (l/min)	Purge Volume (liters)	Temp. °C/°F	Cond. (µS/cm)	pH	DO %/mg/L	ORP (mV)	Turb. (NTU)
1005		125		18.91	587	6.98	5.26	-22.2	35.7
1010				17.74	592	6.97	4.55	-21.8	36.8
1015				16.97	599	6.41	3.89	10.2	25.8
1020				16.46	608	6.51	3.39	4.5	17.1
1025				16.44	615	6.72	3.18	-7.8	10.5
1030				16.50	617	6.79	3.12	-11.2	7.40
1035				16.44	618	6.78	3.18	-10.2	5.07
1040				16.56	619	6.82	3.14	-10.1	4.62

<input checked="" type="checkbox"/> Full Sample Suite Obtained	Condition of Well, Remarks: SETTING: 10/50 1002: FIRST WATER IN CELL FE = 0.14 mg/L MN = 0.062 mg/L	EXPOSURES MX/DOX/TMX TIC/SULFATE/NITRATE/ CHLORIDE PERCHLORATE CHLORATE/ CHLORITE
<input type="checkbox"/> Partial Sample Suite Obtained		
<input type="checkbox"/> No Sample Obtained		
QC Samples: FD FS R6 AB MS/MSD NONE	QC Sample ID: NONE	Sampler's Signature: <i>[Signature]</i>
Sample ID: SAHW13	Sample Time: 1045	Checked by: _____
Preparation: Label: _____	Filter: _____	Date: _____
Reagent: _____		

* TOTAL WELL DEPTH IN PREV. REPORTS
AND WELL LOG RECORDED AS 22' BTOL;
REMEASURED USING WATER LEVEL METER