

APPENDIX A

Well Sampling Field Sheets



GROUNDWATER SAMPLING FIELD DATA SHEET

Well No. MW-5		Purge Equipment <input checked="" type="checkbox"/> Disposable Bailor Bladder Pump		Analytical Equipment pH meter (temp): <input checked="" type="checkbox"/> WTW 3400i			Sampler's Initials JWF/DR		Time 1308 mst		Date 2/19/09	
Casing Diameter (in.) 4		Grundfos Pump Other:		Other: Comments:			Meter Calibration Time: 1012 mst Automatic Calibrations? Yes No pH <input checked="" type="checkbox"/> Cond. <input checked="" type="checkbox"/> D.O. <input checked="" type="checkbox"/> ORP					
Total Well Depth (ft.) ~301		Comments:		Cond. Meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			pH pH std. # 1 = 4.01 at 19.8 °C Calibration Evaluation pH std. # 2 = 7.00 at 19.8 °C 3 Bars Slope = -58.5 mV/pH Assymetry = 3 mV					
Static Water Level (ft.) 281.02'		Sample Equipment <input checked="" type="checkbox"/> Disposable Bailor Bladder Pump Grundfos Pump Other:		DO Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Specific Conductance Cell Constant = 0.493 /cm Calibration Evaluation 3 Bars					
Water Thickness (ft.) 19.98		Comments:		ORP Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Dissolved Oxygen Relative Slope = 0.93 at 20.4 °C Calibration Evaluation 3 Bars					
Casing Volume (gal.) 12.99		Filtration Equipment: 0.45 micron filter Comments:		Turbidity Meter: WTW Other: Comments:			Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 226 mV					
Stick-up 2.31 (ft.)	Screen Int. 274-294 (ft.)	Water Level Meter: <input checked="" type="checkbox"/> Keck Other: Comments:		Initial Calibration 2-19-09 @ 1012 mst Post Calibration 2-19-09 @ 1840 Temp on ORP Standard = 19.8 °C			Casing Volume multipliers (gal/ft): 2"=(.16) 3"=(.37) 4"=(.65) 6"=(1.5)					
Purge Containerized: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Destination:										
Time	Volume Removed (casings)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description			
1250							294.12'		Slightly Murky No Odor			
1253		14.5	7.72	1043	6.82	86						
1256		14.5	7.73	1044	6.8	87						
1300		14.5	7.73	1044	6.82	86						
1304		14.5	7.73	1044	6.82	87						
1308		14.5	7.72	1043	6.82	86						
1310		14.5	7.96						Filtered PH			
Condition of Sampler: De-Contaminated bailor, added reel for rope. De-con 5 gal bucket for sample water.				Full Suite: Yes		Pump Depth: N/A ft BTOC		# MW - 5		Duplicate Yes # MW - 5 DUP		
Additional Comments: Used parasitic pump to test and filter from bucket. Balled approx. 5.5 gal for sampling, well basically dry after sampling. Well was ballid dry on 2-17-09 @ 1041 mst approx. 18 gal removed				Partial Suite: No		Rinsate No #		#		Trip Blank No #		
				PPE Utilized		Gloves <input checked="" type="checkbox"/>		Safety Glasses <input checked="" type="checkbox"/>				
				Signature: <i>Jess W. Fullbright</i>								



GROUNDWATER SAMPLING FIELD DATA SHEET

Well No. MW-6	Purge Equipment Disposable Bailor Bladder Pump <input checked="" type="checkbox"/> Grundfos Pump Other :	Analytical Equipment pH meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: Comments:	Sampler's Initials JWF/DR	Time 1258 mst	Date 2/18/09
Casing Diameter (In.) 4			Meter Calibration		
Total Well Depth (ft.) 484.49	Comments:	Cond. Meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: Comments:	Time: 0810 mst Automatic Calibrations? Yes pH <input checked="" type="checkbox"/> Cond. <input checked="" type="checkbox"/> D.O. <input checked="" type="checkbox"/> ORP	pH pH std. # 1 = 4.01 at 20.2 °C Calibration Evaluation pH std. # 2 = 7.00 at 20.2 °C 3 Bars Slope = -58.3 mV/pH Assymetry = 1 mV	
Static Water Level (ft.) 407.78	Sample Equipment Disposable Bailor Bladder Pump <input checked="" type="checkbox"/> Grundfos Pump Other :	DO Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:	Specific Conductance Cell Constant = 0.494 /cm Calibration Evaluation 3 Bars		
Water Thickness (ft.) 76.71	Comments:	Comments:	Dissolved Oxygen Relative Slope = 0.92 at 22.7 °C Calibration Evaluation 3 Bars		
Casing Volume (gal.) 49.86	Filtration Equipment: 0.45 micron filter	ORP Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:	Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 227 mV		
Stick-up 1.37 (ft.)	Screen Int. 459-479 (ft.)	Water Level Meter: <input checked="" type="checkbox"/> Keck Other: Comments:	Initial Calibration 2-18-09 @ 0810 mst Post Calibration 2-18-09 @ 1920 mst Temp on ORP Standard = 20 °C		
Purge Contaminized: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Comments:	Turbidity Meter: WTW Other: Comments:	Casing Volume multipliers (gal/ft): 2"=(.16) 3"=(.37) 4"=(.65) 6"=(1.5)		
Destination:					

Time	Volume Removed (casings)	Temp. (°C)	pH (s.u.)	Cond (mS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description
1202		16.8	6.98	3.51	0.12	-323	408.72'	4.5	Clear, strong sulfur odor
1206	0.36	18	17.4	3.51	0.11	-326		4.5	
1210	0.72	36	17.8	3.51	0.11	-328		4.5	
1214	1.08	54	17.9	3.51	0.11	-330		4.5	Doug started sampling
1218	1.44	72	17.9	3.51	0.11	-332		4.5	
1223	1.9	94.5	17.9	3.51	0.11	-334		4.5	
1227	2.26	112.5	17.9	3.51	0.11	-333		4.5	
1231	2.62	130.5	17.9	3.51	0.11	-333		4.5	
1234	2.89	144	17.9	3.51	0.11	-334		4.5	
1238	3.25	162	18.6	7.07				4.5	Filtered PH
1242	3.61	180	17.9	6.87	3.51	-333		4.5	Post Sample Readings

Condition of Sampler: All Good	Full Suite: Yes	Pump Depth: 470 ft BTOC
	# MW-6	Duplicate No #
Additional Comments: Electric Pump pre-set	Partial Suite: No	Rinsate No #
	#	Trip Blank No #
PPE Utilized		Gloves <input checked="" type="checkbox"/>
		Safety Glasses
Signature: <i>Jose W. Jolley</i>		



GROUNDWATER SAMPLING FIELD DATA SHEET

Well No. MW-7		Purge Equipment <input checked="" type="checkbox"/> Disposable Bailor <input checked="" type="checkbox"/> Bladder Pump Grundfos Pump Other :		Analytical Equipment pH meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Sampler's Initials JWF/DR		Time 0854 mst		Date 2/18/09	
Casing Diameter (in.) 4		Comments:		Cond. Meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Meter Calibration Time: 0810 mst Automatic Calibrations? Yes No pH <input checked="" type="checkbox"/> Cond. <input checked="" type="checkbox"/> D.O. <input checked="" type="checkbox"/> ORP					
Total Well Depth (ft.) 425		Sample Equipment <input checked="" type="checkbox"/> Disposable Bailor <input checked="" type="checkbox"/> Bladder Pump Grundfos Pump Other :		DO Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			pH pH std. # 1 = 4.01 at 20.2 °C Calibration Evaluation pH std. # 2 = 7.00 at 20.2 °C 3 Bars Slope = -58.3 mV/pH Assymetry = 1 mV					
Static Water Level (ft.) 335.38		Comments:		ORP Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Specific Conductance Cell Constant = 0.494 /cm Calibration Evaluation 3 Bars					
Water Thickness (ft.) 89.62		Comments:		Comments:			Dissolved Oxygen Relative Slope = 0.92 at 22.7 °C Calibration Evaluation 3 Bars					
Casing Volume (gal.) 58.25		Filtration Equipment: 0.45 micron filter		Comments:			Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 227 mV					
Stick-up 2.75 (ft.)	Screen Int. 365-425 (ft.)	Water Level Meter: <input checked="" type="checkbox"/> Keck Other: Comments:		Turbidity Meter: WTW Other: Comments:			Post Sampling Calibration 2/18/09 @ 1920 mst on 2-18-09 all passed Temp on ORP Standard = 20 °C					
Purge Containerized: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Comments:		Comments:			Casing Volume multipliers (gal/ft): 2"=(.16) 3"=(.37) 4"=(.65) 6"=(1.5)					
Destination:												
Time	Volume Removed (casings)	Temp. (°C)	pH (s.u.)	Cond (mS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description			
815		13.5	7.46	1333	4.72	83	335.72		Water Clear, No Odor			
819		14.6	7.51	1335	4.76	86	335.84					
823		14.5	7.52	1337	4.77	88	335.88		Reduced Flow Slightly			
828		14.5	7.52	1338	4.77	88	335.82					
833		14.5	7.51	1339	4.78	89	335.83					
837		14.6	7.51	1338	4.77	88	335.82		Doug Started pulling samples			
840		14.6	7.52	1337	4.77	88	335.04					
844		14.5	7.51	1338	4.78	88	335.86					
847		14.5	7.52	1338	4.77	88	335.88					
851		14.5	7.51	1339	4.78	89	335.9					
854		14.6	7.51	1338	4.77	88	335.91					
859		14.6	7.51	1338	4.77	88	335.92					
903		14.6	7.58						Filtered PH			
904		14.6	7.52	1338	4.78	88	335.92		Post Sampling			
Condition of Sampler: All in good order							Full Suite: Yes	Pump Depth: 395 ft BTOC				
							# MW-7	Duplicate Yes	MW-7 DUP			
							Partial Suite: No	Rinsate No	#			
							#	Trip Blank No	#			
Additional Comments: Charge set @ 20 Exhaust set @ 25 Manual timing coincided with settings Purged approx. 4.5 gal Sampled approx. 5.0 gal							PPE Utilized		Gloves X			
									Safety Glasses X			
							Signature: <i>James W. Sullivan</i>					



GROUNDWATER SAMPLING FIELD DATA SHEET

Well No. PW-1		Purge Equipment <input checked="" type="checkbox"/> Disposable Bailor <input type="checkbox"/> Bladder Pump <input type="checkbox"/> Grundfos Pump Other :		Analytical Equipment pH meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Sampler's Initials JWF/ AM		Time 1140 mst		Date 2/24/09	
Casing Diameter (in.) 6		Comments:		Cond. Meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Meter Calibration					
Total Well Depth (ft.) 380		Sample Equipment <input checked="" type="checkbox"/> Disposable Bailor <input type="checkbox"/> Bladder Pump <input type="checkbox"/> Grundfos Pump Other :		DO Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			Time: 0620mst Automatic Calibrations? Yes pH <input checked="" type="checkbox"/> Cond. <input checked="" type="checkbox"/> D.O. <input checked="" type="checkbox"/> ORP					
Static Water Level (ft.) 280.13		Comments:		ORP Meter: <input checked="" type="checkbox"/> WTW 3400i Other: Comments:			pH pH std. # 1 = 4.01 at 20.1 °C Calibration Evaluation pH std. # 2 = 7.00 at 20.1 °C 3 Bars Slope = -58.3 mV/pH Assymetry = 1 mV					
Water Thickness (ft.) 99.69		Filtration Equipment: 0.45 micron filter		Turbidity Meter: WTW Other: Comments:			Specific Conductance Cell Constant = 0.494 /cm Calibration Evaluation 3 Bars					
Casing Volume (gal.) 149.81		Water Level Meter: <input checked="" type="checkbox"/> Keck Other: Comments:		Comments:			Dissolved Oxygen Relative Slope = 0.92 at 21.8 °C Calibration Evaluation 3 Bars					
Stick-up 1.8 (ft.)	Screen Int. 320-370 (ft.)	Comments:		Comments:			Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 228 mV					
Purge Containerized: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Destination:		Initial Calibration 2/24/09 @ 0620 mst Post Calibration 2/24/09 @ 1740 mst Temperature on Calibration standard for ORP = 20.2 °c			Casing Volume multipliers (gal/ft): 2"=(.16) 3"=(.37) 4"=(.65) 6"=(1.5)					
Time	Volume Removed (casings)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description			
1110		15	7.47	1247	0.12	-133	280.31		light metallic			
1114		15.1	7.48	1246	0.08	-143	280.31		smell, light tan color			
1118		15.1	7.47		0.08	-144	280.31					
1122		15.1	7.48	1246	0.07	-142	280.32					
1126		15.1	7.49		0.08	-143	280.32					
1130		15	7.49	1247	0.09	-144	280.32		Archie started pulling samples			
1135		15.1	7.48	1247	0.08	-144	280.33					
1139		15.1	7.49	1247	0.08	-145	280.33					
1142		15.1	7.47	1248	0.08	-145	280.33		Post Sample Readings			
1148		15.4	7.52						Filtered PH			
Condition of Sampler: Good							Full Suite: Yes	Pump Depth: 345 ft BTOC				
							# PW-1	Duplicate	No	#		
							Partial Suite: No	Rinsate	No	#		
							#	Trip Blank	No	#		
Additional Comments: Purged approx. 2.5 Sample 2.5 Charged = 19 Exhaust = 20							PPE Utilized		Gloves	<input checked="" type="checkbox"/>	#	
									Safety Glasses	<input checked="" type="checkbox"/>	#	
							Signature: <i>James W. Talley</i>					



GROUNDWATER SAMPLING FIELD DATA SHEET

Well No.	Purge Equipment	Analytical Equipment	Sampler's initials	Time	Date				
PW-3	<input checked="" type="checkbox"/> Disposable Bailor <input checked="" type="checkbox"/> Bladder Pump <input type="checkbox"/> Grundfos Pump Other: _____	pH meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: _____ Comments: _____	JWF/DR	1253mst	2/26/09				
Casing Diameter (in.)	6		Meter Calibration						
Total Well Depth (ft.)	380	Cond. Meter (temp): <input checked="" type="checkbox"/> WTW 3400i Other: _____ Comments: _____	Time: 0710 mst Automatic Calibrations? Yes No pH <input checked="" type="checkbox"/> Cond. <input checked="" type="checkbox"/> D.O. <input checked="" type="checkbox"/> ORP						
Static Water Level (ft.)	263.13	Sample Equipment <input checked="" type="checkbox"/> Disposable Bailor <input checked="" type="checkbox"/> Bladder Pump <input type="checkbox"/> Grundfos Pump Other: _____	pH pH std. # 1 = 4.01 at 14.1 °C Calibration Evaluation pH std. # 2 = 7.00 at 14.1 °C 2 Bars Slope = -57.2 mV/pH Assymetry = -5 mV						
Water Thickness (ft.)	116.87	DO Meter: <input checked="" type="checkbox"/> WTW 3400i Other: _____ Comments: _____	Specific Conductance Cell Constant = 0.4858 /cm Calibration Evaluation 3 Bars						
Casing Volume (gal.)	175.31	ORP Meter: <input checked="" type="checkbox"/> WTW 3400i Other: _____ Comments: _____	Dissolved Oxygen Relative Slope = 0.94 at 20.5 °C Calibration Evaluation 3 Bars						
Stick-up	1.7	Filtration Equipment: 0.45 micron filter Comments: _____	Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 239 mV						
Screen Int.	240-280' 320-370'	Water Level Meter: <input checked="" type="checkbox"/> Keck Other: _____ Comments: _____	Initial Calibration 2/26/09 @ 0710 mst Post Calibration 2/26/09 1812 mst Temp on Calibration Standard For ORP = 12.4°C						
Purge Containerized:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turbidity Meter: _____ WTW Other: _____ Comments: _____	Casing Volume multipliers (gal/ft): 2"=(.16) 3"=(.37) 4"=(.65) 6"=(1.5)						
Destination:									
Time	Volume Removed (casings)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description
1148							263.13		
1150		15.3	7.51	1275	6.86	89	263.27		
1152		15	7.5	1304	5.3	73	263.28		
1156		15	7.51	1306	6.8	57	263.28		
1201		14.9	7.47	1306	6.88	55	263.29		
1205		14.9	7.49	1306	7.47	51	263.31		
1210		14.8	7.56	1306	7.43	50	263.31		
1214		14.9	7.56	1306	7.38	48	263.31		
1219		14.8	7.56	1306	7.39	46	263.31		
1223		14.9	7.56	1306	7.39	44	263.32		
1226		14.9	7.56	1306	7.39	42	263.32		
1230		14.8	7.56	1306	7.39	41	263.32		
1233		14.9	7.56	1306	7.39	41	263.32		
1236		14.7	7.56	1307	7.39	38	263.33		
1239		14.8	7.56	1307	7.4	37	263.35		
1242		14.8	7.56	1307	7.39	36	263.35		
1245		14.8	7.56	1307	7.39	34	263.35		
1249		14.7	7.56	1307	7.39	34	263.25		
1253 mst		14.7	7.55	1307	7.39	34	263.35		Began Sampling
1300 mst		15.1	7.66						Filtered PH
1321 mst		14.8	7.58	1306	6.43	86	263.36		Post Sampling Readings
Condition of Sampler: Good on Everything							Full Suite: Yes Partial Suite: No # _____	Pump Depth: 335 ft BTOC Duplicate: No # Rinsate: No # Trip Blank: No #	
Additional Comments: Changed 19 Exhasut 20 seconds Purged approx. 4.75 gal aprpx.2.5 gals							PPE Utilized Gloves <input checked="" type="checkbox"/> Safety Glasses <input checked="" type="checkbox"/>	Signature: <i>Jason W. Fulbright</i>	



ENERGY FUELS RESOURCES CORPORATION

WATER LEVEL MEASUREMENT FORM

Personnel: Jess W Fulbright
 Project: Piñon Ridge Mill Site

Well ID	Date	Time	Casing Stick-up (ft ags)	Static Water Level (ft BTOC)	Total Depth (ft BTOC)	Casing Volume (gal)	Security		Comments
							Cap (Y/N)	Lock (Y/N)	
MW-1	02/16/09	1301 MST	2.0	Dry	32.49	NA	Yes	Yes	Not Sampled, Dry
MW-2	02/16/09	1056 MST	2.2	Dry	27.42	NA	Yes	Yes	Not Sampled, Dry
MW-3	02/16/09	1250 MST	2.4	Dry	102.65	N/A	Yes	Yes	Not Sampled, Dry
MW-4	02/16/09	1103 MST	2.2	Dry	67.67	NA	Yes	Yes	Not Sampled, Dry
MW-5	02/16/09	1206 MST	2.4	281.02	301	13.0	Yes	Yes	Probable Sample, will bail & wait
	02/17/09	1041 MST	2.4	300.68	301	0.21			Bailed ~18 gal to dry
	02/19/09	1250 MST	2.4	294.12	301	4.47	Yes	Yes	Sampled
MW-6	02/16/09	1129 MST	2.8	407.78	484.49	49.86	Yes	Yes	Will Sample
MW-7	02/16/09	1142 MST	2.8	335.38	425	58.25	Yes	Yes	Will sample, Total Depth and Casing Volume corrected from field note entries
MW-8	02/16/09	1116 MST	2.6	381.61	421.93	26.21	Yes	Yes	Will Sample
MW-9	02/16/09	1315 MST	2.3	413.23	422	5.70	Yes	Yes	Possible sample, will bail and wait
	02/16/09	1718 MST	2.3	421.92	422	0.05	Yes	Yes	Bailed ~11 gal to dry
	02/19/09	1530 MST	2.3	421.78	422	0.14	Yes	Yes	Not Sampled, Insufficient recharge
	02/25/09	1425 MST	2.3	421.72	422	0.18	Yes	Yes	Not Sampled, Insufficient recharge
PW-1	02/16/09	1220 MST	1.8	280.13	380	149.81	Yes	Yes	Will Sample
PW-2	02/16/09	1152 MST	1.7	331.98	420	132.03	Yes	Yes	Will Sample
PW-3	02/16/09	1234 MST	1.7	263.13	380	175.31	Yes	Yes	Will Sample

Casing Volume Multipliers (gal/ft): 1"=0.04 ; 2"=0.16 ; 3"=0.37 ; 4"=0.65
 1.05' subtracted from TOPP at MW-6 for TOC reading