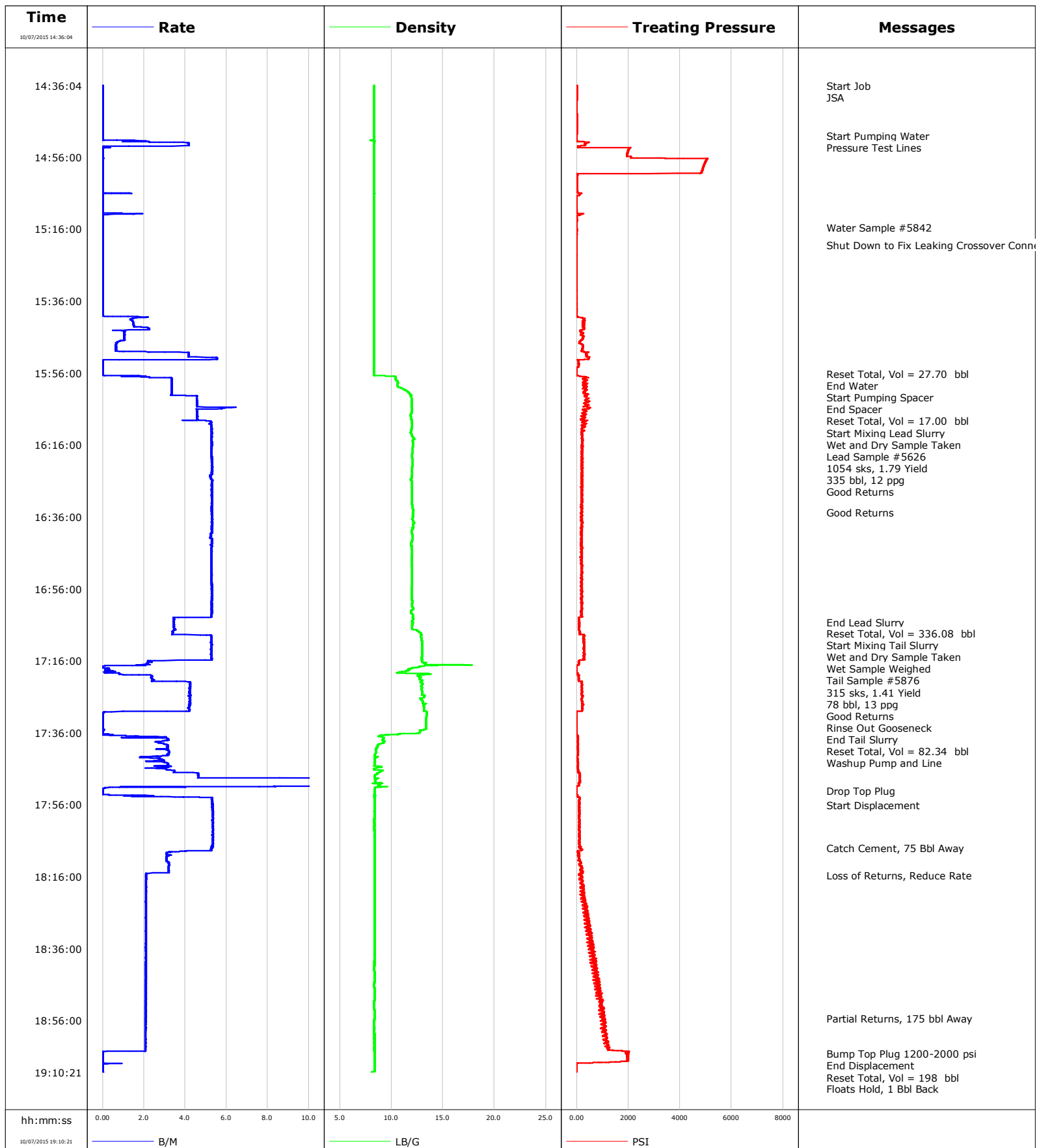


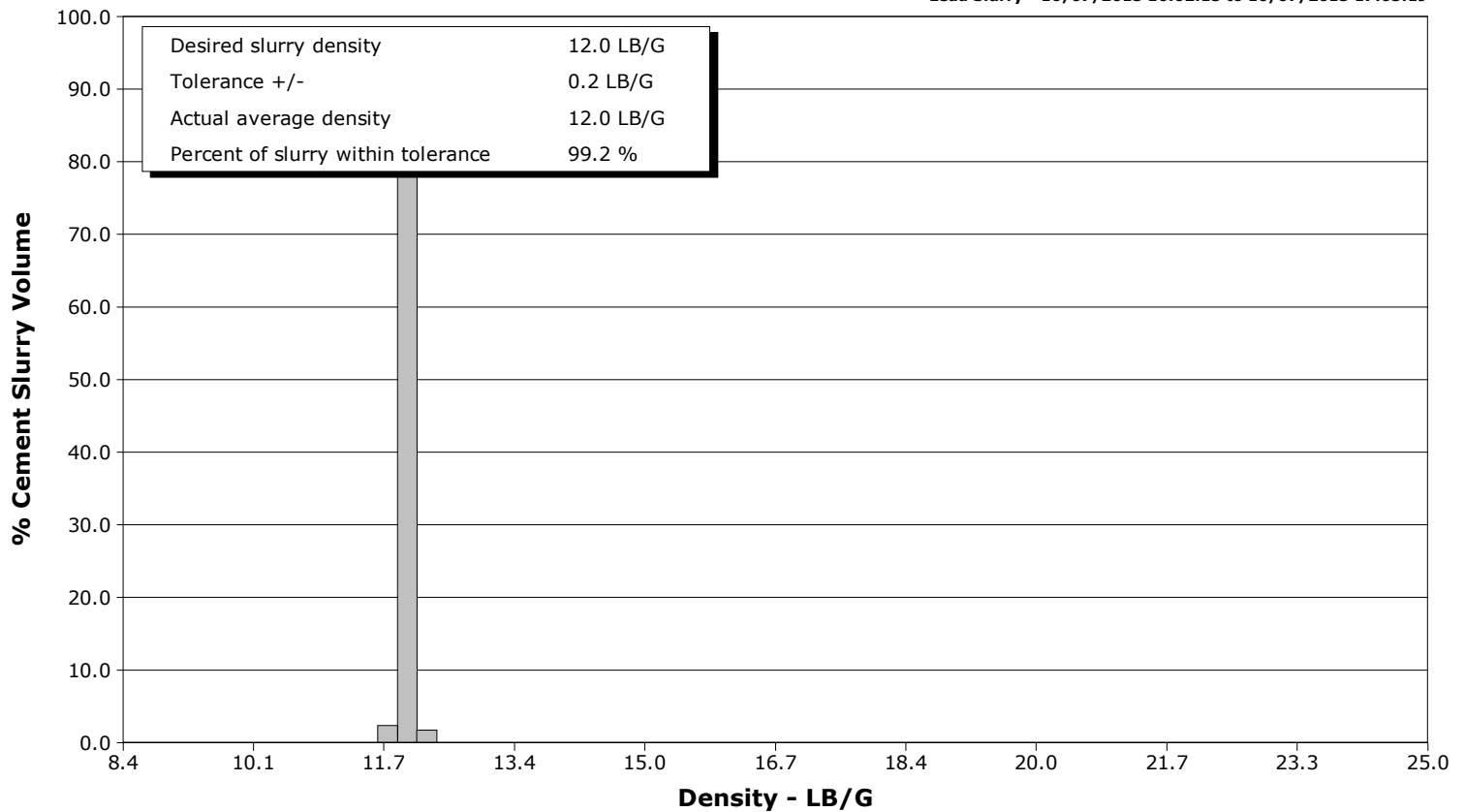
Well	Monarch 10-15	Client	Nighthawk
Field	Arikaree	SIR No.	CWJN-01393
Engineer	Ryan Drilling/Taylor Baird	Job Type	5.5" Production
Country	United States	Job Date	10-07-2015



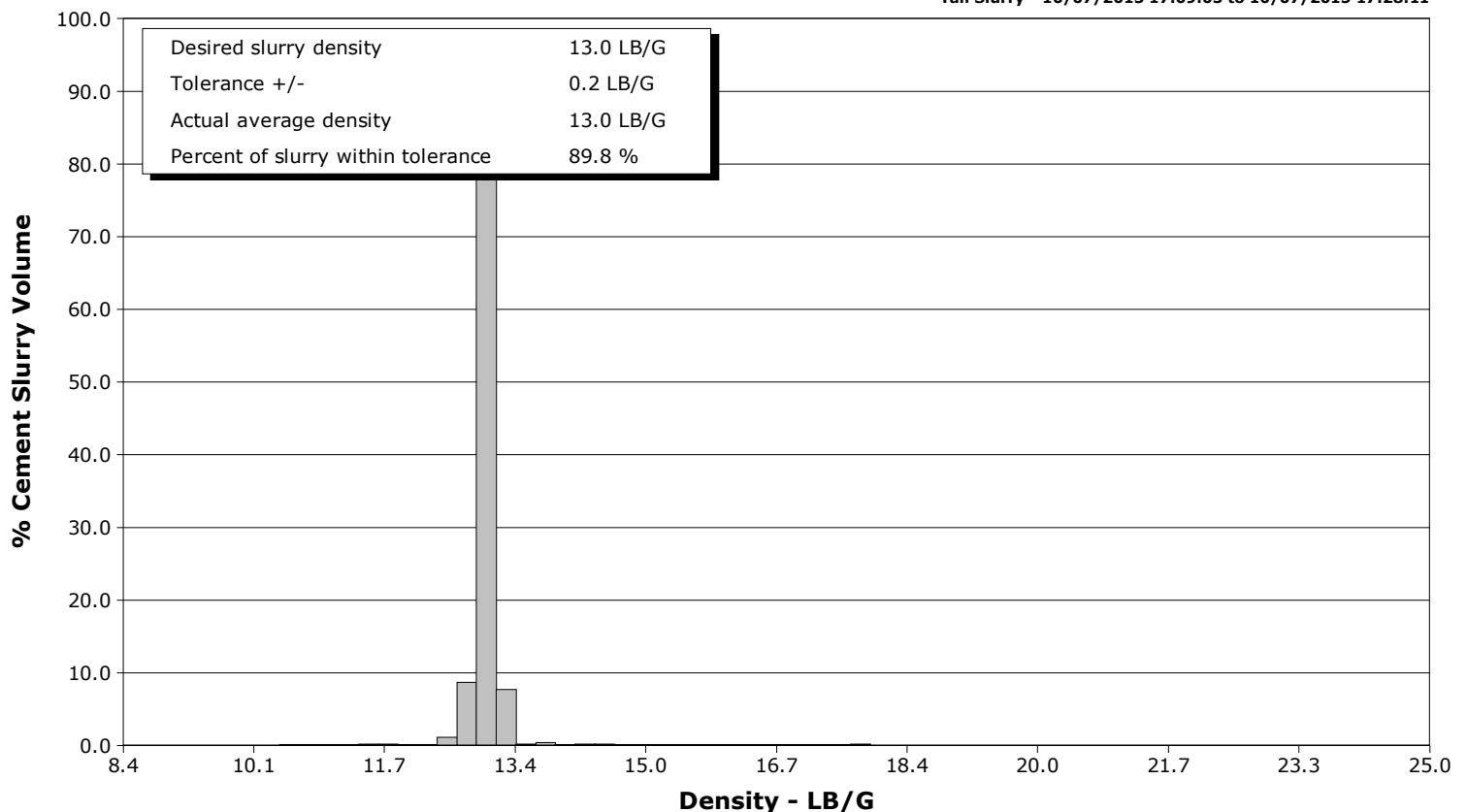
Well Monarch 10-15
Field Arikaree
Engineer Ryan Drilling/Taylor Baird
Country United States

Client Nighthawk
SIR No. CWJN-01393
Job Type 5.5" Production
Job Date 10-07-2015

Lead Slurry - 10/07/2015 16:02:15 to 10/07/2015 17:05:19



Tail Slurry - 10/07/2015 17:09:05 to 10/07/2015 17:28:11



Cementing Service Report

					Customer Nighthawk			Job Number CWJN-01393	
Well Monarch 10-15 10-15			Location (legal) CWY			Schlumberger Location CWY		Job Start Oct/07/2015	
Field Arikaree		Formation Name/Type		Deviation 0 deg		Bit Size 7.9 in		Well MD 8610.7 ft	
County Lincoln		State/Province Colorado		BHP psi		BHST 192 degF		BHCT 155 degF	
Well Master 0631653703		API/UWI						Pore Press. Gradient lb/gal	
Rig Name Ctreme 11		Drilled For Oil		Service Via Land		Casing/Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		350.0		8.6	
						8610.7		5.5	
						24.0		j55	
						17.0		n80	
Drilling Fluid Type Bentonite		Max. Density 9.40 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
						T/D		Depth, ft	
						Size, in		Weight, lb/ft	
						Grade		Thread	
Service Line Cementing		Job Type 5.5" Production							
Max. Allowed Tub. Press 5000 psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole			
						Top, ft		Bottom, ft	
						shot/ft		No. of Shots	
						ft		ft	
						ft		ft	
						ft		ft	
						Total Interval ft		Diameter in	
						Treat Down Casing		Displacement 198.0 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 200.0 bbl	
						Annular Vol. 8.0 bbl		Openhole Vol. 258.0 bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools		Squeeze Job	
Lift Pressure 1200 psi						Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>				Shoe Depth 8610.7 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type		Tool Depth ft	
Cement Head Type Single						Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Oct/07/2015 12:00		Arrived on Location Oct/07/2015 12:00		Leave Location Oct/07/2015 20:00		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 8521.7 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Mix Density LB/G	Message		
10/07/2015	14:36:04	4	0.0	8.34	64.9	8.36	Started Acquisition		
10/07/2015	14:36:07	3	0.0	8.34	64.9	8.36	JSA		
10/07/2015	14:37:04	4	0.0	8.34	64.9	8.36			
10/07/2015	14:38:04	4	0.0	8.34	64.9	8.36			
10/07/2015	14:39:04	3	0.0	8.34	64.9	8.36			
10/07/2015	14:40:04	3	0.0	8.34	64.9	8.36			
10/07/2015	14:41:04	-4	0.0	8.34	64.9	8.37			
10/07/2015	14:42:04	-5	0.0	8.34	64.9	8.37			
10/07/2015	14:43:04	-6	0.0	8.34	65.0	8.37			
10/07/2015	14:44:04	1	0.0	8.34	65.0	8.69			
10/07/2015	14:45:04	2	0.0	8.34	65.0	8.49			
10/07/2015	14:46:04	1	0.0	8.34	65.0	8.37			
10/07/2015	14:47:04	1	0.0	8.34	65.0	8.29			
10/07/2015	14:48:04	1	0.0	8.34	65.0	8.40			
10/07/2015	14:49:04	0	0.0	8.34	65.0	8.39			
10/07/2015	14:50:04	-7	0.0	8.34	65.0	8.38			
10/07/2015	14:50:06	-8	0.0	8.34	65.0	8.38	Start Pumping Water		
10/07/2015	14:50:14	-9	0.0	8.33	65.0	8.33	Pressure Test Lines		
10/07/2015	14:51:04	-9	0.0	8.34	0.0	8.37			
10/07/2015	14:52:04	393	4.2	8.32	1.6	8.37			
10/07/2015	14:53:04	47	0.0	8.34	5.3	8.37			

Well			Field		Job Start		Customer		Job Number	
Monarch 10-15 10-15			Arikaree		Oct/07/2015		Nighthawk		CWJN-01393	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Mix Density LB/G	Message			
10/07/2015	14:55:04	1962	0.0	8.34	5.3	8.37				
10/07/2015	14:56:04	2093	0.0	8.34	5.4	8.36				
10/07/2015	14:57:04	5005	0.0	8.34	5.4	8.36				
10/07/2015	14:58:04	4941	0.0	8.34	5.4	8.36				
10/07/2015	14:59:04	4891	0.0	8.34	5.4	8.36				
10/07/2015	15:00:04	4847	0.0	8.35	5.4	8.36				
10/07/2015	15:01:04	21	0.0	8.35	5.4	8.36				
10/07/2015	15:02:04	17	0.0	8.35	5.4	8.36				
10/07/2015	15:03:04	16	0.0	8.35	5.4	8.36				
10/07/2015	15:04:04	17	0.0	8.35	5.4	8.36				
10/07/2015	15:05:04	19	0.0	8.35	5.4	8.36				
10/07/2015	15:06:04	190	1.4	8.35	5.5	8.36				
10/07/2015	15:07:04	-2	0.0	8.34	5.5	8.36				
10/07/2015	15:08:04	-1	0.0	8.34	5.5	8.36				
10/07/2015	15:09:04	-1	0.0	8.34	5.5	8.36				
10/07/2015	15:10:04	-1	0.0	8.34	5.5	8.36				
10/07/2015	15:11:04	-0	0.0	8.34	5.5	8.36				
10/07/2015	15:12:04	123	0.0	8.34	6.0	8.36				
10/07/2015	15:13:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:14:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:15:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:15:33	-0	0.0	8.34	6.0	8.36	Water Sample #5842			
10/07/2015	15:16:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:17:04	0	0.0	8.34	6.0	8.36				
10/07/2015	15:18:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:19:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:20:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:20:24	-0	0.0	8.34	6.0	8.36	Shut Down to Fix Leaking Crossover Connection			
10/07/2015	15:21:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:22:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:23:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:24:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:25:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:26:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:27:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:28:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:29:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:30:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:31:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:32:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:33:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:34:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:35:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:36:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:37:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:38:04	-1	0.0	8.34	6.0	8.36				
10/07/2015	15:39:04	0	0.0	8.34	6.0	8.36				
10/07/2015	15:40:04	-0	0.0	8.34	6.0	8.36				
10/07/2015	15:41:04	306	1.4	8.33	7.3	8.36				
10/07/2015	15:42:04	293	1.5	8.34	8.7	8.36				
10/07/2015	15:43:04	246	1.5	8.34	10.2	8.36				
10/07/2015	15:44:04	176	1.5	8.34	12.2	8.36				
10/07/2015	15:45:04	233	1.0	8.35	13.3	8.36				
10/07/2015	15:46:04	235	1.0	8.34	14.3	8.36				

Well			Field		Job Start		Customer		Job Number	
Monarch 10-15 10-15			Arikaree		Oct/07/2015		Nighthawk		CWJN-01393	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Mix Density LB/G	Message			
10/07/2015	15:48:04	194	0.7	8.34	16.1	8.36				
10/07/2015	15:49:04	222	0.7	8.34	16.7	8.36				
10/07/2015	15:50:04	268	1.3	8.34	17.4	8.36				
10/07/2015	15:51:04	386	4.2	8.35	21.2	8.35				
10/07/2015	15:52:04	455	5.5	8.34	25.9	8.35				
10/07/2015	15:53:04	62	0.0	8.35	27.6	8.53				
10/07/2015	15:54:04	73	0.0	8.35	27.6	8.36				
10/07/2015	15:55:04	-6	0.0	8.35	27.6	10.43				
10/07/2015	15:56:04	-2	0.0	8.35	27.6	10.75				
10/07/2015	15:56:13	-4	0.0	8.35	27.6	10.69	Reset Total, Vol = 27.70 bbl			
10/07/2015	15:56:15	-4	0.0	8.35	27.6	10.69	End Water			
10/07/2015	15:57:04	299	1.9	10.38	28.1	10.51				
10/07/2015	15:57:30	302	3.3	10.42	29.2	10.43	Start Pumping Spacer			
10/07/2015	15:58:04	372	3.3	10.48	31.1	10.91				
10/07/2015	15:59:04	343	3.3	10.63	34.5	10.62				
10/07/2015	16:00:04	315	3.3	10.82	37.8	11.70				
10/07/2015	16:01:04	346	3.3	11.52	41.1	12.07				
10/07/2015	16:01:10	286	3.3	11.57	41.5	12.08	End Spacer			
10/07/2015	16:02:04	365	3.3	11.88	44.5	12.14				
10/07/2015	16:02:05	353	3.3	11.88	44.5	12.14	Reset Total, Vol = 17.00 bbl			
10/07/2015	16:02:15	306	3.3	11.94	45.1	12.13	Start Mixing Lead Slurry			
10/07/2015	16:02:20	384	4.5	11.88	45.4	12.14	Wet and Dry Sample Taken			
10/07/2015	16:02:21	340	4.6	11.88	45.5	12.14	Lead Sample #5626			
10/07/2015	16:02:22	358	4.6	11.88	45.5	12.13	335 bbl, 12 ppg			
10/07/2015	16:03:04	452	4.6	11.95	48.7	12.01				
10/07/2015	16:04:04	377	4.6	11.96	53.3	11.98				
10/07/2015	16:05:04	377	4.6	11.97	57.9	11.92				
10/07/2015	16:06:04	303	4.5	12.01	63.2	12.03				
10/07/2015	16:07:04	253	4.6	11.95	67.8	11.82				
10/07/2015	16:08:01	178	4.6	11.88	72.1	11.89	Good Returns			
10/07/2015	16:08:04	182	4.6	11.89	72.4	11.92				
10/07/2015	16:09:04	183	4.6	11.95	77.0	12.06				
10/07/2015	16:10:04	332	5.2	11.98	82.0	12.03				
10/07/2015	16:11:04	275	5.3	11.99	87.3	11.93				
10/07/2015	16:12:04	288	5.2	11.91	92.6	11.91				
10/07/2015	16:13:04	183	5.3	11.95	97.8	12.07				
10/07/2015	16:14:04	225	5.3	12.16	103.1	12.47				
10/07/2015	16:15:04	193	5.3	12.07	108.4	12.29				
10/07/2015	16:16:04	208	5.3	12.10	113.7	12.06				
10/07/2015	16:17:04	198	5.3	12.06	119.0	12.01				
10/07/2015	16:18:04	224	5.3	12.04	124.3	12.01				
10/07/2015	16:19:04	205	5.3	12.02	129.5	12.00				
10/07/2015	16:20:04	222	5.3	12.07	134.8	12.22				
10/07/2015	16:21:04	222	5.3	12.06	140.1	12.01				
10/07/2015	16:22:04	206	5.3	12.03	145.4	12.01				
10/07/2015	16:23:04	196	5.3	12.02	150.7	11.98				
10/07/2015	16:24:04	202	5.3	12.00	156.0	12.03				
10/07/2015	16:25:04	186	5.2	11.97	161.3	12.00				
10/07/2015	16:26:04	204	5.3	11.96	166.5	12.05				
10/07/2015	16:27:04	202	5.3	12.00	171.8	12.01				
10/07/2015	16:28:04	192	5.3	11.99	177.1	12.04				
10/07/2015	16:29:04	181	5.3	12.00	182.4	12.00				
10/07/2015	16:30:04	191	5.3	12.00	187.7	12.01				
10/07/2015	16:31:04	181	5.3	12.00	193.0	12.00				

Well			Field		Job Start		Customer		Job Number	
Monarch 10-15 10-15			Arikaree		Oct/07/2015		Nighthawk		CWJN-01393	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Mix Density LB/G	Message			
10/07/2015	16:33:04	174	5.3	12.06	203.6	12.13				
10/07/2015	16:34:04	204	5.3	12.13	208.9	12.29				
10/07/2015	16:34:44	205	5.3	12.09	212.4	12.00	Good Returns			
10/07/2015	16:35:04	185	5.3	12.11	214.2	12.23				
10/07/2015	16:36:04	209	5.3	12.09	219.5	12.08				
10/07/2015	16:37:04	195	5.3	12.11	224.8	12.35				
10/07/2015	16:38:04	184	5.3	12.10	230.1	12.09				
10/07/2015	16:39:04	162	5.3	12.04	235.4	12.29				
10/07/2015	16:40:04	193	5.3	11.98	240.7	11.77				
10/07/2015	16:41:04	197	5.2	12.04	245.9	12.17				
10/07/2015	16:42:04	187	5.3	12.07	251.2	12.12				
10/07/2015	16:43:04	183	5.3	11.96	256.5	12.05				
10/07/2015	16:44:04	175	5.3	11.93	261.8	11.70				
10/07/2015	16:45:04	189	5.3	11.99	267.0	12.05				
10/07/2015	16:46:04	185	5.3	12.00	272.3	12.04				
10/07/2015	16:47:04	166	5.3	11.98	277.6	11.97				
10/07/2015	16:48:04	172	5.3	11.98	282.9	12.01				
10/07/2015	16:49:04	201	5.3	11.99	288.1	12.01				
10/07/2015	16:50:04	184	5.3	11.99	293.4	12.00				
10/07/2015	16:51:04	187	5.3	12.00	298.7	12.00				
10/07/2015	16:52:04	173	5.3	12.00	304.0	12.01				
10/07/2015	16:53:04	166	5.3	12.00	309.2	12.00				
10/07/2015	16:54:04	191	5.3	12.00	314.5	11.98				
10/07/2015	16:55:04	167	5.3	12.00	319.8	12.02				
10/07/2015	16:56:04	209	5.3	11.95	325.1	11.98				
10/07/2015	16:57:04	203	5.3	11.98	330.4	12.01				
10/07/2015	16:58:04	211	5.3	11.99	335.7	12.00				
10/07/2015	16:59:04	196	5.3	11.97	341.0	12.01				
10/07/2015	17:00:04	183	5.3	12.01	346.3	11.92				
10/07/2015	17:01:04	208	5.3	12.04	351.6	12.29				
10/07/2015	17:02:04	171	5.3	11.94	356.8	11.88				
10/07/2015	17:03:04	205	5.3	12.06	362.1	12.17				
10/07/2015	17:04:04	85	3.4	12.07	367.2	12.13				
10/07/2015	17:05:04	92	3.4	11.99	370.6	12.02				
10/07/2015	17:05:19	95	3.4	12.07	371.5	12.15	End Lead Slurry			
10/07/2015	17:06:04	95	3.4	12.05	374.1	11.84				
10/07/2015	17:07:04	88	3.5	12.02	377.5	12.51				
10/07/2015	17:08:04	119	3.4	12.73	381.0	13.16				
10/07/2015	17:08:23	119	3.4	12.87	382.0	13.13	Reset Total, Vol = 336.08 bbl			
10/07/2015	17:09:04	270	5.2	12.89	384.8	13.06				
10/07/2015	17:09:05	292	5.3	12.89	384.9	13.05	Start Mixing Tail Slurry			
10/07/2015	17:09:07	266	5.3	12.88	385.1	13.05	Wet and Dry Sample Taken			
10/07/2015	17:09:08	266	5.3	12.87	385.1	13.05	Tail Sample #5876			
10/07/2015	17:09:09	286	5.3	12.86	385.2	13.05	315 sks, 1.41 Yield			
10/07/2015	17:10:04	249	5.3	12.93	390.1	12.98				
10/07/2015	17:11:04	270	5.3	12.97	395.3	13.00				
10/07/2015	17:11:34	283	5.3	12.98	398.0	12.95	Good Returns			
10/07/2015	17:11:37	279	5.3	12.98	398.2	12.95	Rinse Out Gooseneck			
10/07/2015	17:12:04	305	5.3	12.98	400.6	12.92				
10/07/2015	17:13:04	296	5.3	12.98	405.9	12.97				
10/07/2015	17:14:04	300	5.3	13.02	411.1	13.31				
10/07/2015	17:15:04	286	5.2	12.94	416.4	12.95				
10/07/2015	17:16:04	82	2.2	12.96	421.2	12.80				
10/07/2015	17:17:04	69	2.0	13.36	423.5	13.69				

Well Monarch 10-15 10-15			Field Arikaree		Job Start Oct/07/2015	Customer Nighthawk	Job Number CWJN-01393
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Mix Density LB/G	Message
10/07/2015	17:19:04	-4	0.3	11.02	424.4	13.36	
10/07/2015	17:20:04	79	2.3	12.57	425.1	12.99	
10/07/2015	17:21:04	80	2.4	12.73	427.5	13.29	
10/07/2015	17:22:04	195	4.2	12.86	430.4	13.33	
10/07/2015	17:23:04	194	4.2	12.90	434.6	12.75	
10/07/2015	17:24:04	193	4.2	12.93	438.9	13.16	
10/07/2015	17:25:04	187	4.2	12.99	443.1	12.92	
10/07/2015	17:26:04	204	4.2	13.15	447.3	13.37	
10/07/2015	17:27:04	199	4.2	12.96	451.5	13.01	
10/07/2015	17:28:04	234	4.2	13.27	455.8	13.33	
10/07/2015	17:28:11	248	4.2	13.16	456.2	13.01	End Tail Slurry
10/07/2015	17:29:04	223	4.2	13.15	460.0	13.10	
10/07/2015	17:30:04	126	4.1	13.14	464.1	13.11	
10/07/2015	17:30:13	-4	0.1	13.46	464.4	13.11	Reset Total, Vol = 82.34 bbl
10/07/2015	17:31:04	-3	0.0	13.43	464.5	13.11	
10/07/2015	17:32:04	-6	0.0	13.36	464.5	11.05	
10/07/2015	17:33:04	-13	0.0	13.35	464.5	9.50	
10/07/2015	17:33:15	-12	0.0	13.35	464.5	9.50	Washup Pump and Line
10/07/2015	17:34:04	-12	0.0	13.35	464.5	9.63	
10/07/2015	17:35:04	-11	0.0	13.19	464.5	9.72	
10/07/2015	17:36:04	-8	0.0	12.72	464.5	9.59	
10/07/2015	17:37:04	48	2.1	8.79	464.9	9.91	
10/07/2015	17:38:04	46	3.2	9.14	467.6	10.24	
10/07/2015	17:39:04	43	3.0	9.02	470.5	8.76	
10/07/2015	17:40:04	38	3.2	8.59	473.6	8.62	
10/07/2015	17:41:04	49	3.2	8.51	476.7	8.51	
10/07/2015	17:42:04	47	3.1	8.42	479.9	8.50	
10/07/2015	17:43:04	37	2.6	8.37	482.5	8.46	
10/07/2015	17:44:04	28	2.5	8.39	485.2	8.46	
10/07/2015	17:45:04	47	3.2	8.36	488.2	8.38	
10/07/2015	17:46:04	52	3.1	8.33	491.2	8.37	
10/07/2015	17:47:04	46	3.5	8.81	494.5	8.37	
10/07/2015	17:48:04	107	4.6	8.40	499.0	8.37	
10/07/2015	17:49:04	113	21.5	8.45	510.6	8.35	
10/07/2015	17:50:04	81	19.3	9.04	531.8	8.36	
10/07/2015	17:51:04	-4	0.9	9.66	548.6	8.19	
10/07/2015	17:52:04	-5	0.0	8.35	549.0	8.67	
10/07/2015	17:52:07	-4	0.0	8.35	549.0	8.67	Drop Top Plug
10/07/2015	17:53:04	-5	0.0	8.35	549.0	8.47	
10/07/2015	17:54:04	106	5.3	8.35	550.9	8.42	
10/07/2015	17:55:04	88	5.3	8.37	556.2	8.39	
10/07/2015	17:56:04	92	5.3	8.35	561.5	8.39	
10/07/2015	17:56:08	91	5.3	8.35	561.9	8.39	Start Displacement
10/07/2015	17:57:04	90	5.3	8.35	566.8	8.37	
10/07/2015	17:58:04	98	5.3	8.35	572.2	8.37	
10/07/2015	17:59:04	103	5.3	8.35	577.5	8.37	
10/07/2015	18:00:04	97	5.3	8.35	582.8	8.36	
10/07/2015	18:01:04	95	5.3	8.35	588.2	8.36	
10/07/2015	18:02:04	89	5.3	8.35	593.5	8.36	
10/07/2015	18:03:04	91	5.3	8.35	598.8	8.36	
10/07/2015	18:04:04	95	5.4	8.35	604.2	8.36	
10/07/2015	18:05:04	99	5.3	8.35	609.5	8.37	
10/07/2015	18:06:04	105	5.3	8.35	614.8	8.36	
10/07/2015	18:07:04	103	5.3	8.40	620.2	8.36	

Well Monarch 10-15 10-15			Field Arikaree		Job Start Oct/07/2015		Customer Nighthawk	Job Number CWJN-01393
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Mix Density LB/G	Message	
10/07/2015	18:08:04	116	5.3	8.35	625.5	8.36		
10/07/2015	18:09:04	35	3.4	8.35	630.5	8.36		
10/07/2015	18:10:04	41	3.3	8.37	633.6	8.36		
10/07/2015	18:11:04	89	3.1	8.37	636.8	8.36		
10/07/2015	18:12:04	153	3.2	8.37	639.9	8.36		
10/07/2015	18:13:04	157	3.2	8.36	643.1	8.36		
10/07/2015	18:14:04	126	3.2	8.35	646.3	8.36		
10/07/2015	18:15:04	144	2.2	8.35	649.4	8.36		
10/07/2015	18:15:43	199	2.1	8.36	650.8	8.36	Loss of Returns, Reduce Rate	
10/07/2015	18:16:04	196	2.1	8.35	651.6	8.36		
10/07/2015	18:17:04	225	2.1	8.35	653.7	8.36		
10/07/2015	18:18:04	208	2.1	8.36	655.7	8.36		
10/07/2015	18:19:04	161	2.1	8.36	657.8	8.36		
10/07/2015	18:20:04	184	2.1	8.35	659.9	8.36		
10/07/2015	18:21:04	182	2.1	8.35	662.0	8.36		
10/07/2015	18:22:04	233	2.1	8.35	664.1	8.36		
10/07/2015	18:23:04	233	2.1	8.35	666.2	8.36		
10/07/2015	18:24:04	243	2.1	8.35	668.3	8.36		
10/07/2015	18:25:04	263	2.1	8.35	670.4	8.36		
10/07/2015	18:26:04	272	2.1	8.35	672.5	8.36		
10/07/2015	18:27:04	300	2.1	8.35	674.6	8.36		
10/07/2015	18:28:04	301	2.1	8.35	676.7	8.36		
10/07/2015	18:29:04	386	2.1	8.36	678.8	8.36		
10/07/2015	18:30:04	434	2.1	8.39	680.9	8.36		
10/07/2015	18:31:04	442	2.1	8.36	683.0	8.36		
10/07/2015	18:32:04	410	2.1	8.35	685.0	8.36		
10/07/2015	18:33:04	504	2.1	8.39	687.1	8.36		
10/07/2015	18:34:04	538	2.1	8.37	689.2	8.36		
10/07/2015	18:35:04	609	2.1	8.36	691.3	8.36		
10/07/2015	18:36:04	607	2.1	8.35	693.4	8.36		
10/07/2015	18:37:04	553	2.1	8.35	695.5	8.36		
10/07/2015	18:38:04	584	2.1	8.35	697.6	8.36		
10/07/2015	18:39:04	540	2.1	8.35	699.7	8.36		
10/07/2015	18:40:04	525	2.1	8.35	701.8	8.36		
10/07/2015	18:41:04	671	2.1	8.35	703.8	8.36		
10/07/2015	18:42:04	623	2.1	8.35	705.9	8.36		
10/07/2015	18:43:04	788	2.1	8.35	708.0	8.36		
10/07/2015	18:44:04	746	2.1	8.35	710.1	8.36		
10/07/2015	18:45:04	842	2.1	8.35	712.2	8.36		
10/07/2015	18:46:04	841	2.1	8.35	714.3	8.36		
10/07/2015	18:47:04	933	2.1	8.37	716.3	8.36		
10/07/2015	18:48:04	843	2.1	8.38	718.4	8.36		
10/07/2015	18:49:04	819	2.1	8.36	720.5	8.36		
10/07/2015	18:50:04	773	2.1	8.35	722.6	8.36		
10/07/2015	18:51:04	964	2.1	8.35	724.7	8.36		
10/07/2015	18:52:04	959	2.1	8.35	726.8	8.36		
10/07/2015	18:53:04	876	2.1	8.35	728.8	8.36		
10/07/2015	18:54:04	891	2.1	8.36	730.9	8.36		
10/07/2015	18:55:04	920	2.1	8.35	733.0	8.36		
10/07/2015	18:55:18	1072	2.1	8.35	733.5	8.36	Partial Returns, 175 bbl Away	
10/07/2015	18:56:04	1017	2.1	8.35	735.1	8.36		
10/07/2015	18:57:04	953	2.1	8.35	737.1	8.36		
10/07/2015	18:58:04	938	2.1	8.35	739.2	8.36		
10/07/2015	18:59:04	1009	2.1	8.35	741.3	8.36		

Well			Field		Job Start		Customer		Job Number	
Monarch 10-15 10-15			Arikaree		Oct/07/2015		Nighthawk		CWJN-01393	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Mix Density LB/G	Message			
10/07/2015	19:01:04	1170	2.1	8.35	745.4	8.36				
10/07/2015	19:02:04	1214	2.1	8.35	747.5	8.36				
10/07/2015	19:03:04	1179	2.1	8.35	749.6	8.36				
10/07/2015	19:04:04	1230	2.1	8.35	751.7	8.36				
10/07/2015	19:05:04	2015	0.0	8.35	752.7	8.36				
10/07/2015	19:05:15	1936	0.0	8.35	752.7	8.36	Bump Top Plug 1200-2000 psi			
10/07/2015	19:05:16	1936	0.0	8.35	752.7	8.36	End Displacement			
10/07/2015	19:05:17	1969	0.0	8.35	752.7	8.36	Reset Total, Vol = 198 bbl			
10/07/2015	19:06:04	1951	0.0	8.35	752.7	8.36				
10/07/2015	19:07:04	1985	0.0	8.35	752.7	8.36				
10/07/2015	19:08:04	-8	0.1	8.35	752.8	8.36				
10/07/2015	19:08:32	-7	0.0	8.35	752.8	8.36	Floats Hold, 1 Bbl Back			
10/07/2015	19:09:04	-6	0.0	8.35	752.8	8.36	End Job			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.9	N2	Mud 0.0	Maximum Rate 22.4	Total Slurry 415.0	Mud 0.0	Spacer 17.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2026	Final -5	Average 346	Bump Plug to 2000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 413.0 bbl		Displacement 198.0 bbl	Mix Water Temp 62 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume 0.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative Jim Weir			Schlumberger Supervisor Ryan Drilling/Taylor Baird			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	