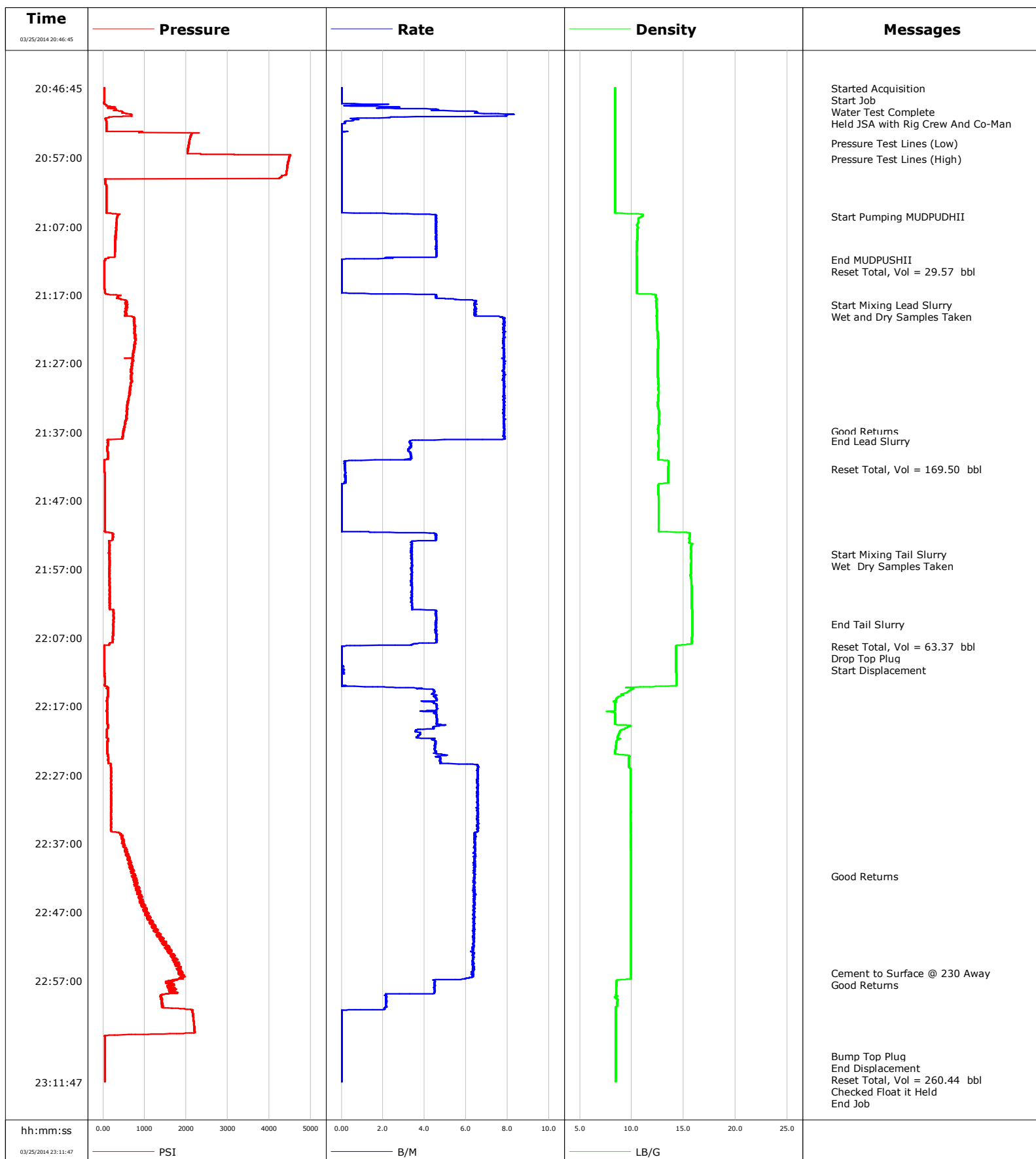


Well Park T-P-4HC
Field Wattenberg
Engineer Wayne Silvester
Country United States

Client Bonanza Creek
SIR No. C3BZ-00459
Job Type Intermediate
Job Date 03-24-2014

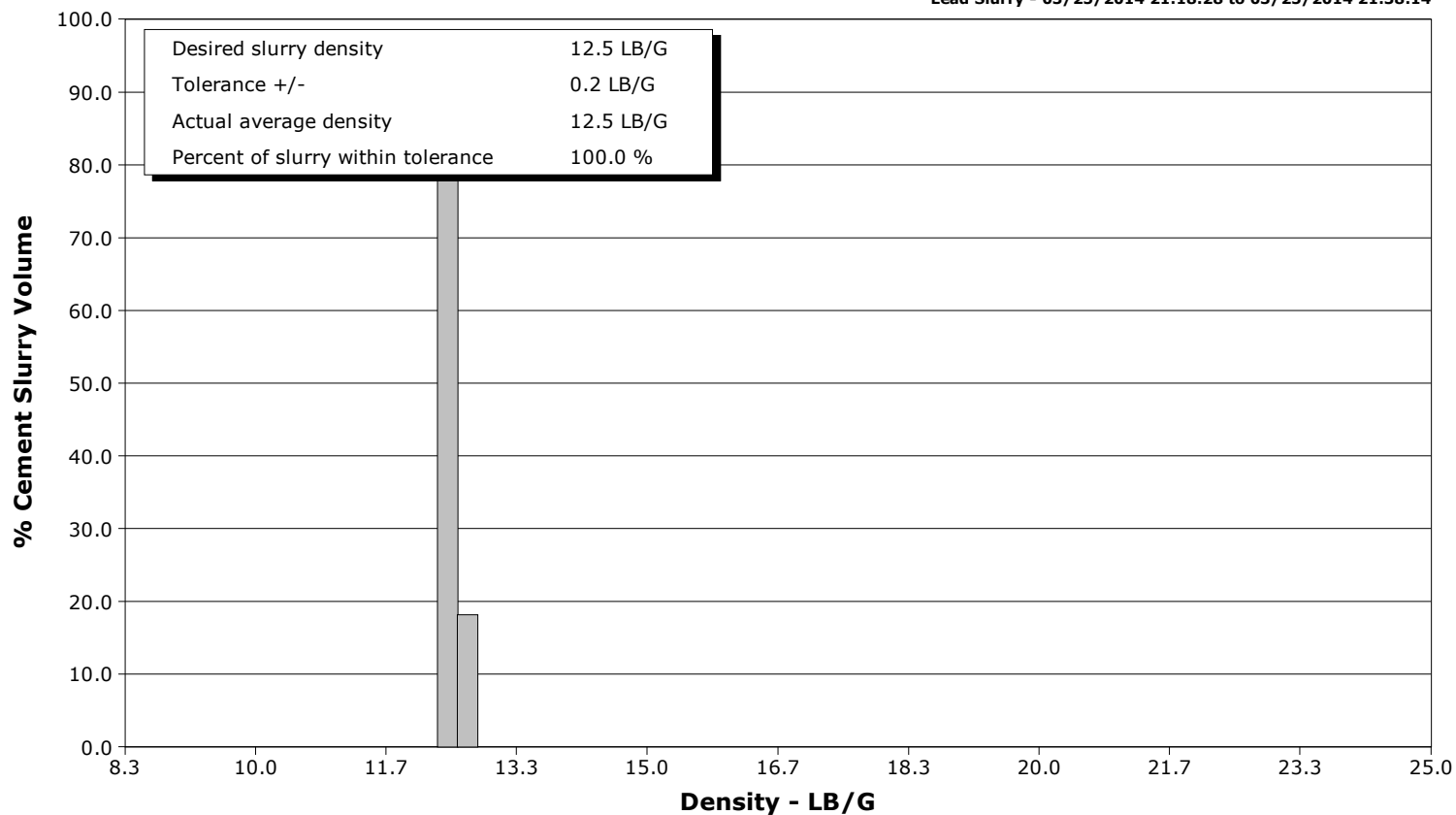


Schlumberger Cementing Qa/Qc Density Report

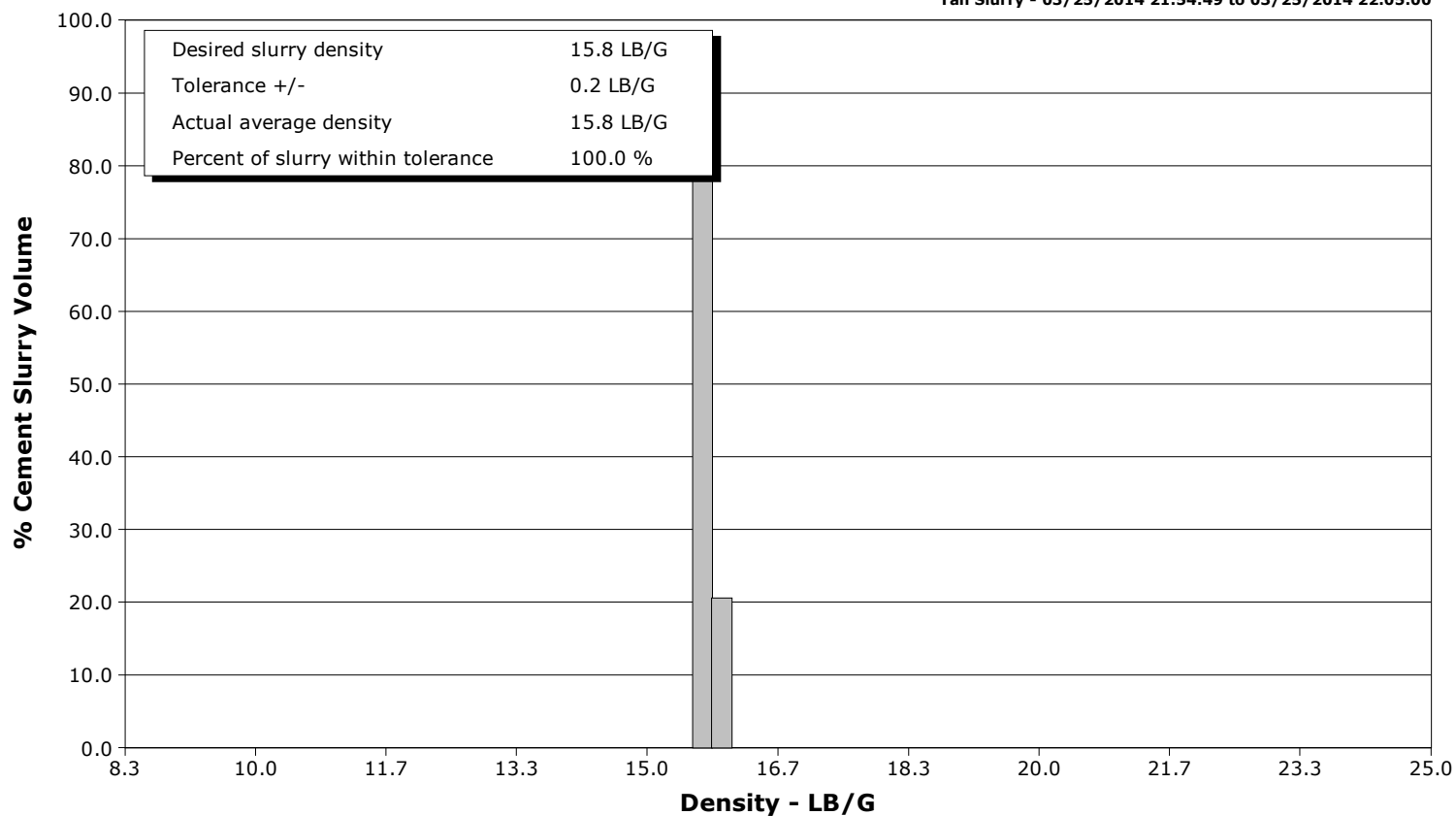
Well Park T-P-4HC
Field Wattenberg
Engineer Wayne Silvester
Country United States

Client Bonanza Creek
SIR No. C3BZ-00459
Job Type Intermediate
Job Date 03-24-2014

Lead Slurry - 03/25/2014 21:18:28 to 03/25/2014 21:38:14



Tail Slurry - 03/25/2014 21:54:49 to 03/25/2014 22:05:00





Cementing Service Report

				Customer Bonanza Creek		Job Number 1928723		
Well Park T-P-4HC T-P-4HC			Location (legal) 2173		Schlumberger Location		Job Start Mar/24/2014	
Field Wattenberg		Formation Name/Type		Deviation	Bit Size 8.8 in	Well MD 6851.0 ft	Well TVD 6862.0 ft	
County Weld		State/Province Colorado		BHP	BHST 210 degF	BHCT 173 degF	Pore Press. Gradient	
Well Master		API/UWI						
Rig Name Cade 21		Drilled For Oil	Service Via Land	Casing/Liner				
				Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone		Well Class New	Well Type Other	6862.0	7.000	26.0	N/A	8RD
				0.0	0.000	0.0		
Drilling Fluid Type Bentonite		Max. Density 9.80 lb/gal	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing		Job Type Cem Interm Casing						
Max. Allowed Tub. Press		Max. Allowed Ann. Press	WH Connection 7	Perforations/Open Hole				
				Top,	Bottom,		No. of Shots	Total Interval
Service Instructions								Diameter
Treat Down Casing		Displacement 260.5 bbl		Packer Type		Packer Depth		
Tubing Vol.		Casing Vol. 263.0 bbl		Annular Vol. 186.4 bbl		Openhole Vol. 162.6 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 4636 psi				Shoe Type Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 6862.0 ft		Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth		
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Mar/24/2014		Arrived on Location Mar/24/2014	Leave Location Mar/24/2014	Collar Type Float		Tail Pipe Depth		
				Collar Depth 6807.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/25/2014	20:46:45					Started Acquisition		
03/25/2014	20:46:45	25	0.0	8.40	0.0			
03/25/2014	20:46:46					Start Job		
03/25/2014	20:46:46	25	0.0	8.40	0.0			
03/25/2014	20:46:52					Water Test Complete		
03/25/2014	20:46:52	25	0.0	8.40	0.0			
03/25/2014	20:47:52					Held JSA with Rig Crew And Co-Man		
03/25/2014	20:47:52	25	0.0	8.40	0.0			
03/25/2014	20:51:45	75	0.2	8.40	9.4			
03/25/2014	20:54:47					Pressure Test Lines (Low)		
03/25/2014	20:54:47	2069	0.0	8.39	9.4			
03/25/2014	20:56:45	4491	0.0	8.39	9.4			
03/25/2014	20:57:07					Pressure Test Lines (High)		
03/25/2014	20:57:07	4475	0.0	8.39	9.4			
03/25/2014	21:01:45	78	0.0	8.39	9.4			
03/25/2014	21:05:36					Start Pumping MUDPUDHII		
03/25/2014	21:05:36	340	4.5	10.92	11.6			
03/25/2014	21:06:45	324	4.6	10.51	16.8			
03/25/2014	21:11:45	59	0.2	10.48	39.0			
03/25/2014	21:11:51					End MUDPUSHII		
03/25/2014	21:11:51	49	0.0	10.48	39.0			

Well			Field		Job Start	Customer		Job Number
Park T-P-4HC T-P-4HC			Wattenberg		Mar/24/2014	Bonanza Creek		1928723
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/25/2014	21:11:52	49	0.0	10.48	39.0			
03/25/2014	21:16:45	51	0.4	10.50	39.0			
03/25/2014	21:18:28					Start Mixing Lead Slurry		
03/25/2014	21:18:28	594	6.4	12.37	47.9			
03/25/2014	21:18:32					Wet and Dry Samples Taken		
03/25/2014	21:18:32	585	6.4	12.36	48.4			
03/25/2014	21:21:45	779	7.8	12.46	71.4			
03/25/2014	21:26:45	718	7.8	12.49	110.4			
03/25/2014	21:31:45	620	7.8	12.57	149.6			
03/25/2014	21:36:45	482	7.8	12.53	188.7			
03/25/2014	21:36:47					Good Returns		
03/25/2014	21:36:47	483	7.9	12.53	189.0			
03/25/2014	21:38:14					End Lead Slurry		
03/25/2014	21:38:14	111	3.3	12.57	199.8			
03/25/2014	21:41:45	34	0.2	13.54	209.4			
03/25/2014	21:42:26					Reset Total, Vol = 169.50 bbl		
03/25/2014	21:42:26	32	0.2	13.51	209.5			
03/25/2014	21:46:45	42	0.0	12.57	209.9			
03/25/2014	21:51:45	221	4.4	15.60	210.4			
03/25/2014	21:54:49					Start Mixing Tail Slurry		
03/25/2014	21:54:49	159	3.4	15.69	222.0			
03/25/2014	21:54:54					Wet Dry Samples Taken		
03/25/2014	21:54:54	144	3.4	15.69	222.3			
03/25/2014	21:56:45	157	3.4	15.68	228.6			
03/25/2014	22:01:45	164	3.4	15.80	245.5			
03/25/2014	22:05:00					End Tail Slurry		
03/25/2014	22:05:00	248	4.5	15.84	258.9			
03/25/2014	22:06:45	237	4.6	15.82	266.9			
03/25/2014	22:08:13					Reset Total, Vol = 63.37 bbl		
03/25/2014	22:08:13	30	0.1	14.28	272.8			
03/25/2014	22:08:21					Drop Top Plug		
03/25/2014	22:08:21	31	0.0	14.27	272.8			
03/25/2014	22:08:22					Start Displacement		
03/25/2014	22:08:22	31	0.0	14.27	272.8			
03/25/2014	22:11:45	34	0.1	14.28	272.9			
03/25/2014	22:16:45	106	4.6	8.42	284.1			
03/25/2014	22:21:45	108	4.4	8.89	305.7			
03/25/2014	22:26:45	191	6.6	9.87	331.4			
03/25/2014	22:31:45	196	6.5	9.90	364.2			
03/25/2014	22:36:45	512	6.4	9.91	396.8			
03/25/2014	22:41:45	783	6.4	9.91	428.9			
03/25/2014	22:41:46					Good Returns		
03/25/2014	22:41:46	780	6.4	9.91	429.0			
03/25/2014	22:46:45	970	6.4	9.91	460.8			
03/25/2014	22:51:45	1503	6.4	9.91	492.7			
03/25/2014	22:55:51					Cement to Surface @ 230 Away		
03/25/2014	22:55:51	1867	6.3	9.91	518.7			
03/25/2014	22:56:19					Good Returns		
03/25/2014	22:56:19	1930	6.3	9.91	521.6			
03/25/2014	22:56:45	1855	6.0	9.91	524.3			
03/25/2014	23:01:45	2156	0.0	8.44	539.3			
03/25/2014	23:06:45	41	0.0	8.44	539.3			
03/25/2014	23:07:59					Bump Top Plug		
03/25/2014	23:07:59					End Displacement		

Well			Field		Job Start	Customer	Job Number
Park T-P-4HC T-P-4HC			Wattenberg		Mar/24/2014	Bonanza Creek	1928723
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/25/2014	23:08:01					Reset Total, Vol = 260.44 bbl	
03/25/2014	23:08:01	42	0.0	8.44	539.3		
03/25/2014	23:08:02					Checked Float it Held	
03/25/2014	23:08:02	42	0.0	8.44	539.3		
03/25/2014	23:09:24					End Job	
03/25/2014	23:09:24	42	0.0	8.44	539.3		
03/25/2014	23:11:45	42	0.0	8.45	539.3		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 5.3	N2		Mud 0.0	Maximum Rate 8.3	Total Slurry 232.3	Mud 0.0	Spacer 29.5	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 4513	Final 43	Average 582	Bump Plug to 1891	Breakdown	Type		Volume		Density	
Avg. N2 Percent		Designed Slurry Volume 231.0 bbl		Displacement 260.4 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 30.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative Paul Kimbill				Schlumberger Supervisor Wayne Silvester				Circulation Lost <input type="checkbox"/>		Job Completed <input type="checkbox"/>
								-		-