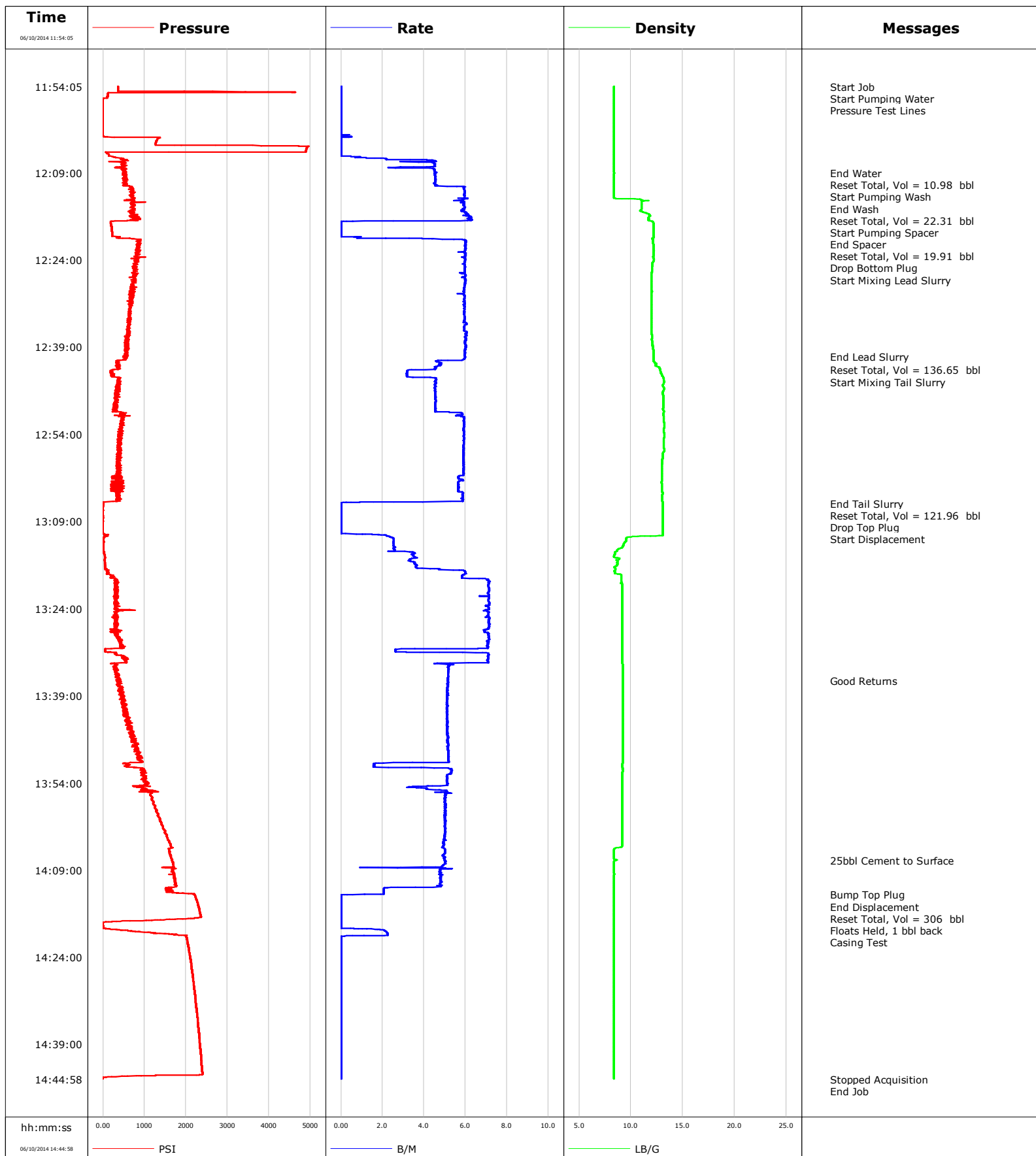


Well NRC 30C-32HZ
Field Podjom-Mikhailovskoe
Engineer Michael Simon/ T Morrow
Country United States

Client Anadarko
SIR No. COU5-00773
Job Type 7 Intermediate
Job Date 06-10-2014

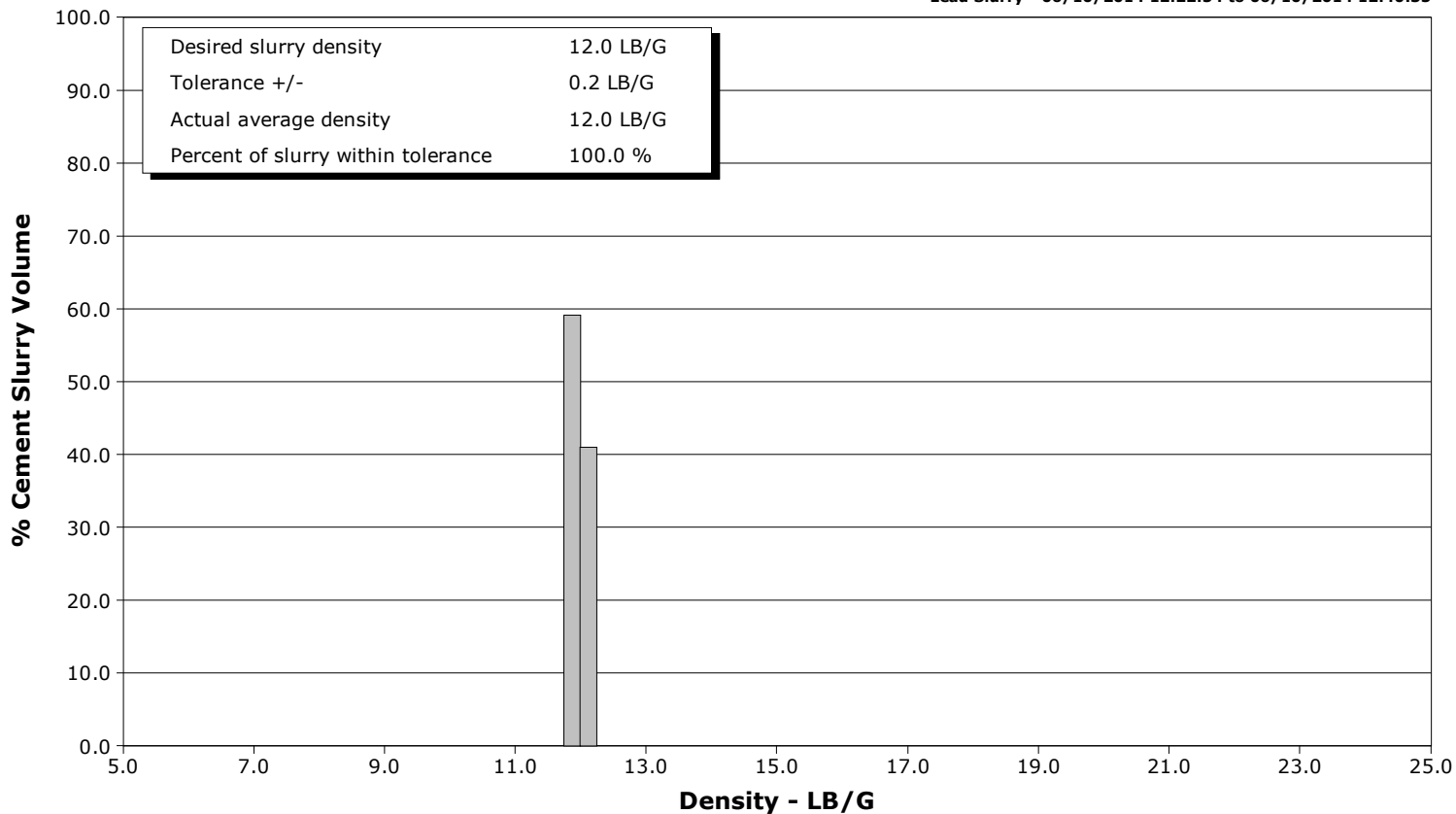


Schlumberger Cementing Qa/Qc Density Report

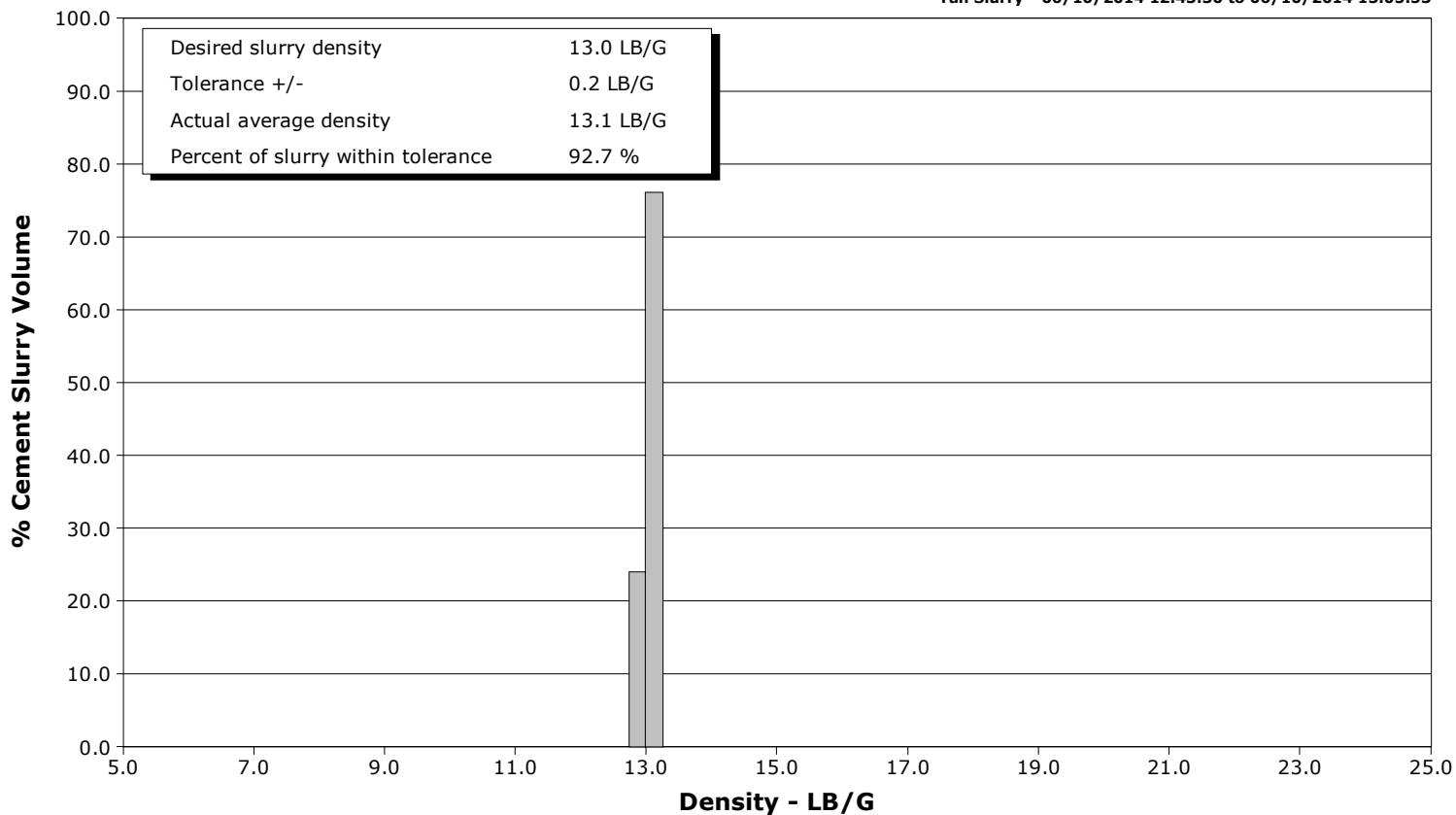
Well NRC 30C-32HZ
Field Podjom-Mikhaylovskoe
Engineer Michael Simon/ T Morrow
Country United States

Client Anadarko
SIR No. COU5-00773
Job Type 7 Intermediate
Job Date 06-10-2014

Lead Slurry - 06/10/2014 12:22:54 to 06/10/2014 12:40:35



Tail Slurry - 06/10/2014 12:43:30 to 06/10/2014 13:05:53





Cementing Service Report

				Customer Anadarko		Job Number COU5-00773	
Well NRC 30C-32HZ 30C-32HZ			Location (legal) Cheyenne		Schlumberger Location Rock Springs		Job Start Jun/10/2014
Field Podjom-Mikhaylovskoe		Formation Name/Type		Deviation	Bit Size 8.8 in	Well MD 8207.0 ft	Well TVD
County Weld		State/Province Colorado		BHP	BHST 222 degF	BHCT 185 degF	Pore Press. Gradient
Well Master 0631544930		API/UWI 05123391880000					
Rig Name Xtreme 22		Drilled For Oil & Gas		Service Via Land		Casing/Liner	
				Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone		Well Class New		Well Type Development			
				8207.0	7.000	26.0	P110
				0.0	0.000	0.0	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe	
Service Line Cementing		Job Type 7 Intermediate					
Max. Allowed Tub. Press 4000 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole	
Service Instructions				Top,		Bottom,	
				Treat Down Casing		Displacement 311.0 bbl	
				Tubing Vol.		Casing Vol. 314.0 bbl	
				Annular Vol. 223.0 bbl		Openhole Vol. 541.0 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 5550 psi		Shoe Type Float		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 8207.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type	
Cement Head Type Double		Stage Tool Depth		Tool Depth			
Job Scheduled For Jun/10/2014		Arrived on Location Jun/10/2014		Leave Location Jun/10/2014		Collar Type Float	
						Collar Depth 8123.0 ft	
						Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
06/10/2014	11:54:00					Started Acquisition	
06/10/2014	11:54:05					Start Job	
06/10/2014	11:54:05	360	0.0	8.35	0.0		
06/10/2014	11:54:09					Start Pumping Water	
06/10/2014	11:54:09	361	0.0	8.35	0.0		
06/10/2014	11:54:11					Pressure Test Lines	
06/10/2014	11:54:11	361	0.0	8.35	0.0		
06/10/2014	11:57:00	-1	0.0	8.35	0.0		
06/10/2014	12:00:00	-6	0.0	8.35	0.0		
06/10/2014	12:03:00	1356	0.0	8.34	0.1		
06/10/2014	12:06:00	142	0.0	8.34	0.1		
06/10/2014	12:09:00	554	4.6	8.39	10.8		
06/10/2014	12:09:02					End Water	
06/10/2014	12:09:02	531	4.6	8.40	10.9		
06/10/2014	12:09:03					Reset Total, Vol = 10.98 bbl	
06/10/2014	12:09:03	549	4.6	8.40	11.0		
06/10/2014	12:09:06					Start Pumping Wash	
06/10/2014	12:09:06	524	4.5	8.37	11.2		
06/10/2014	12:12:00	727	5.9	8.35	25.4		
06/10/2014	12:13:19					End Wash	
06/10/2014	12:13:19	755	5.9	8.35	33.2		

Well			Field		Job Start		Customer		Job Number	
NRC 30C-32HZ 30C-32HZ			Podjom-Mikhaylovskoe		Jun/10/2014		Anadarko		COU5-00773	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
06/10/2014	12:13:20	732	6.0	8.35	33.3					
06/10/2014	12:13:21					Start Pumping Spacer				
06/10/2014	12:13:21	780	5.7	8.35	33.4					
06/10/2014	12:15:00	732	5.9	11.02	43.1					
06/10/2014	12:18:00	197	0.0	12.16	57.0					
06/10/2014	12:18:18					End Spacer				
06/10/2014	12:18:18	205	0.0	12.17	57.0					
06/10/2014	12:18:20					Reset Total, Vol = 19.91 bbl				
06/10/2014	12:18:20	205	0.0	12.17	57.0					
06/10/2014	12:18:23					Drop Bottom Plug				
06/10/2014	12:18:23	205	0.0	12.17	57.0					
06/10/2014	12:21:00	837	6.0	12.12	61.4					
06/10/2014	12:22:54					Start Mixing Lead Slurry				
06/10/2014	12:22:54	842	6.0	12.17	72.7					
06/10/2014	12:24:00	839	6.0	12.20	79.3					
06/10/2014	12:27:00	680	5.9	11.99	97.2					
06/10/2014	12:30:00	745	5.9	11.99	115.0					
06/10/2014	12:33:00	652	5.9	11.99	132.8					
06/10/2014	12:36:00	615	5.9	11.99	150.7					
06/10/2014	12:39:00	553	6.0	12.10	168.7					
06/10/2014	12:40:35					End Lead Slurry				
06/10/2014	12:40:35	498	6.0	12.18	178.2					
06/10/2014	12:42:00	394	4.8	12.37	185.7					
06/10/2014	12:42:54					Reset Total, Vol = 136.65 bbl				
06/10/2014	12:42:54	215	3.6	12.81	189.8					
06/10/2014	12:43:30					Start Mixing Tail Slurry				
06/10/2014	12:43:30	200	3.2	12.90	191.8					
06/10/2014	12:45:00	352	4.6	13.21	197.7					
06/10/2014	12:48:00	371	4.5	13.11	211.3					
06/10/2014	12:51:00	461	5.9	13.17	225.9					
06/10/2014	12:54:00	361	5.9	13.20	243.7					
06/10/2014	12:57:00	393	5.9	13.19	261.4					
06/10/2014	13:00:00	342	5.9	12.98	279.1					
06/10/2014	13:03:00	451	5.7	12.96	296.5					
06/10/2014	13:05:53					End Tail Slurry				
06/10/2014	13:05:53	4	0.0	13.08	311.8					
06/10/2014	13:05:55					Reset Total, Vol = 121.96 bbl				
06/10/2014	13:05:55	3	0.0	13.08	311.8					
06/10/2014	13:06:00	3	0.0	13.08	311.8					
06/10/2014	13:06:01					Drop Top Plug				
06/10/2014	13:06:01	3	0.0	13.08	311.8					
06/10/2014	13:06:12					Start Displacement				
06/10/2014	13:06:12	1	0.0	13.08	311.8					
06/10/2014	13:09:00	-0	0.0	13.06	311.8					
06/10/2014	13:12:00	11	2.5	9.55	313.7					
06/10/2014	13:15:00	45	3.5	8.37	322.0					
06/10/2014	13:18:00	153	6.0	8.50	334.5					
06/10/2014	13:21:00	347	7.1	9.16	354.8					
06/10/2014	13:24:00	306	7.1	9.18	376.1					
06/10/2014	13:27:00	298	7.1	9.18	397.4					
06/10/2014	13:30:00	431	7.1	9.17	418.7					
06/10/2014	13:33:00	566	7.1	9.18	437.2					
06/10/2014	13:36:00	335	5.1	9.20	453.3					
06/10/2014	13:36:21					Good Returns				

Well			Field		Job Start	Customer		Job Number
NRC 30C-32HZ 30C-32HZ			Podjom-Mikhaylovskoe		Jun/10/2014	Anadarko		COU5-00773
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
06/10/2014	13:39:00	420	5.1	9.20	468.7			
06/10/2014	13:42:00	534	5.1	9.20	484.1			
06/10/2014	13:45:00	678	5.1	9.20	499.4			
06/10/2014	13:48:00	775	5.1	9.20	514.8			
06/10/2014	13:51:00	596	1.6	9.19	528.7			
06/10/2014	13:54:00	1065	5.1	9.16	542.9			
06/10/2014	13:57:00	1195	5.1	9.15	557.3			
06/10/2014	14:00:00	1368	5.0	9.15	572.3			
06/10/2014	14:03:00	1541	5.0	9.15	587.4			
06/10/2014	14:06:00	1603	5.0	8.36	602.3			
06/10/2014	14:07:23					25bbl Cement to Surface		
06/10/2014	14:07:23	1664	5.0	8.46	609.2			
06/10/2014	14:09:00	1656	4.8	8.35	616.8			
06/10/2014	14:12:00	1658	2.4	8.37	631.1			
06/10/2014	14:13:17					Bump Top Plug		
06/10/2014	14:13:17					End Displacement		
06/10/2014	14:13:17	2212	0.0	8.35	633.6			
06/10/2014	14:14:08					Reset Total, Vol = 306 bbl		
06/10/2014	14:14:08	2255	0.0	8.35	633.6			
06/10/2014	14:15:00	2291	0.0	8.35	633.6			
06/10/2014	14:18:00					Floats Held, 1 bbl back		
06/10/2014	14:18:00	7	0.0	8.35	633.6			
06/10/2014	14:18:48					Casing Test		
06/10/2014	14:18:48	7	0.0	8.35	633.6			
06/10/2014	14:21:00	2024	0.0	8.35	636.2			
06/10/2014	14:24:00	2100	0.0	8.35	636.2			
06/10/2014	14:27:00	2158	0.0	8.35	636.2			
06/10/2014	14:30:00	2208	0.0	8.36	636.2			
06/10/2014	14:33:00	2254	0.0	8.35	636.2			
06/10/2014	14:36:00	2297	0.0	8.35	636.2			
06/10/2014	14:39:00	2336	0.0	8.35	636.2			
06/10/2014	14:42:00	2373	0.0	8.35	636.2			
06/10/2014	14:44:58	-1	0.0	8.35	636.2			
06/10/2014	14:44:58					Stopped Acquisition		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 5.3	N2	Mud 0.0	Maximum Rate 7.2		Total Slurry 257.0	Mud 0.0	Spacer 20.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 4963	Final -2	Average 951	Bump Plug to 2200	Breakdown	Type		Volume		Density	
Avg. N2 Percent		Designed Slurry Volume 257.0 bbl		Displacement 305.0 bbl		Mix Water Temp 64 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 25.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative Scott Hancock				Schlumberger Supervisor Michael Simon/ T Morrow				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-