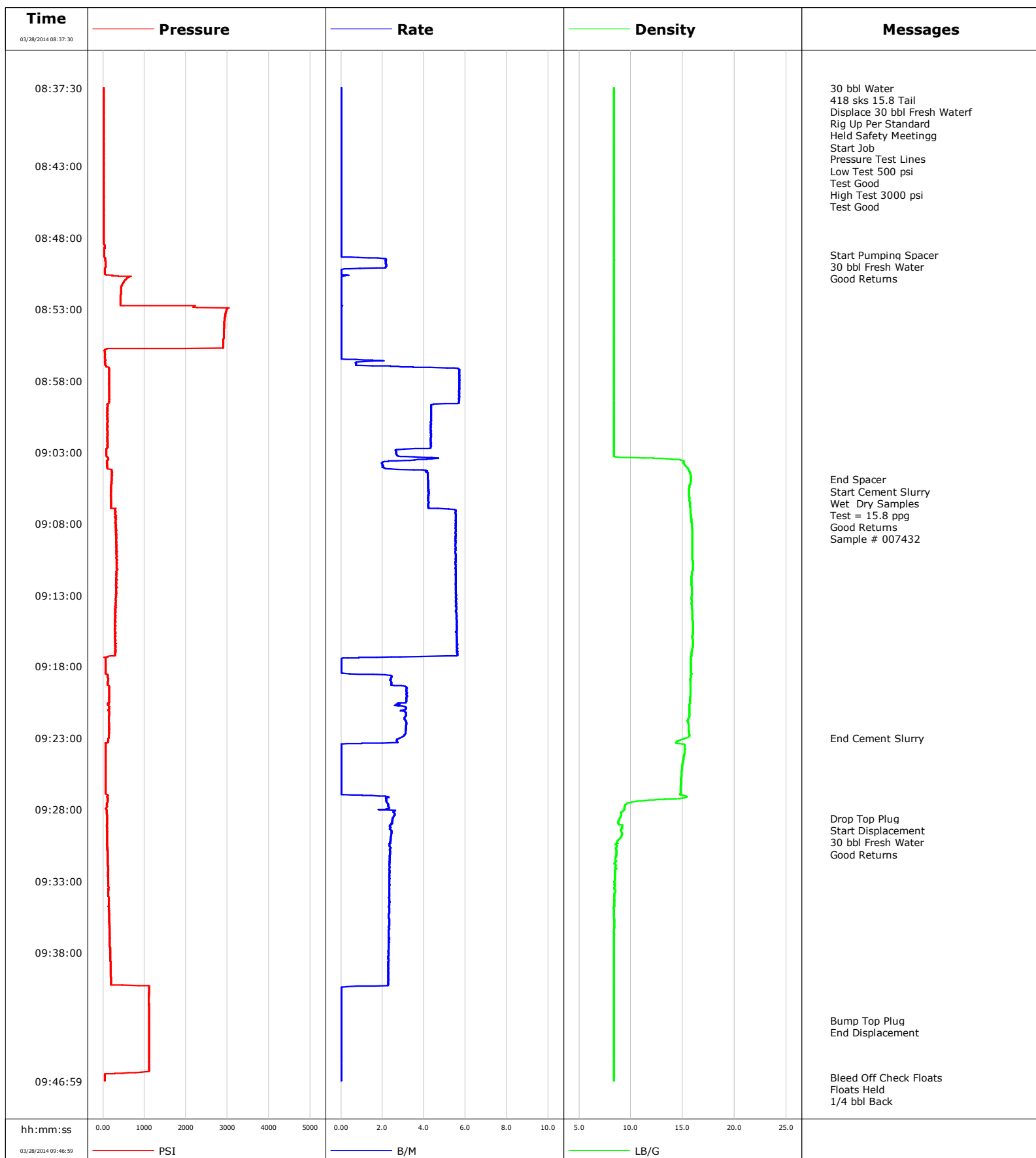


Well Pronghorn K-O-18 HNB
Field Wattenburg
Engineer Jordan Moreland/ Stacy terry
Country United States

Client Bonana Creek
SIR No. CMI1-00828
Job Type 9 5/8 Surface
Job Date 03-28-2014

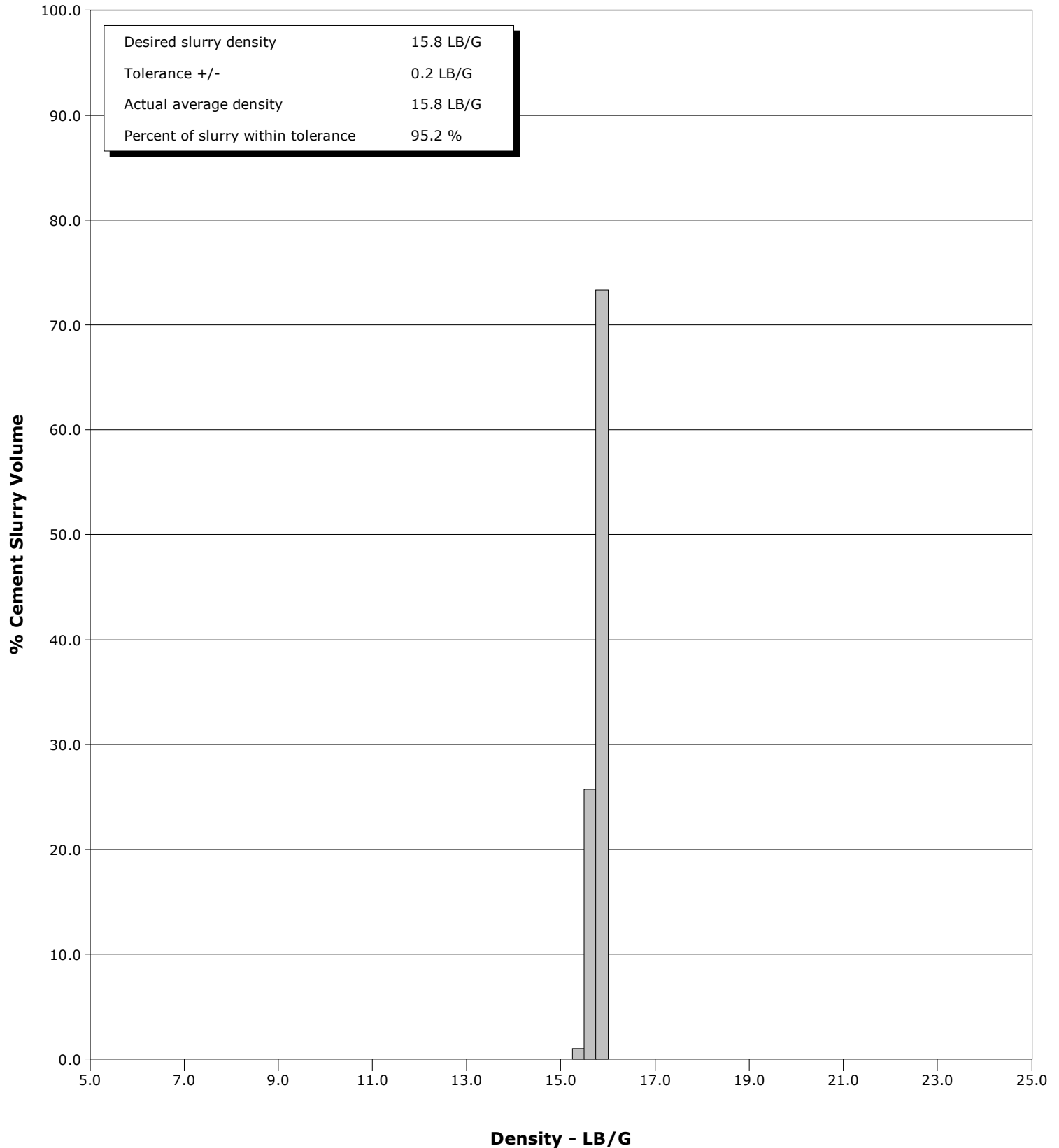


Schlumberger Cementing Qa/Qc Density Report

Well Pronghorn K-O-18 HNB
Field Wattenburg
Engineer Jordan Moreland/ Stacy terry
Country United States

Client Bonana Creek
SIR No. CMI1-00828
Job Type 9 5/8 Surface
Job Date 03-28-2014

Cement Slurry - 03/28/2014 09:04:56 to 03/28/2014 09:23:00



Cementing Service Report

				Customer Bonana Creek		Job Number CMI1-00828	
Well Pronghorn K-O-18 HNB			Location (legal)		Schlumberger Location		Job Start Mar/28/2014
Field Wattenburg		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
County Weld		State/Province Colorado		BHP	BHST	BHCT	Pore Press. Gradient
Well Master 0631536416		API/UWI					
Rig Name Cade 25		Drilled For		Service Via		Casing/Liner	
Offshore Zone		Well Class		Well Type			
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe	
Service Line Cementing		Job Type 9 5/8 Surface					
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole	
Service Instructions				Top,		Bottom,	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure				Shoe Type		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth		Tool Type	
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type	
Cement Head Type				Stage Tool Depth		Tool Depth	
Job Scheduled For Mar/28/2014		Arrived on Location Mar/28/2014		Leave Location Mar/28/2014		Collar Type	
						Collar Depth	
						Tail Pipe Depth	
						Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/28/2014	07:58:30					Started Acquisition	
03/28/2014	08:37:30					30 bbl Water	
03/28/2014	08:37:30					418 sks 15.8 Tail	
03/28/2014	08:37:30					Displace 30 bbl Fresh Waterf	
03/28/2014	08:37:30					Rig Up Per Standard	
03/28/2014	08:37:30					Held Safety Meetingg	
03/28/2014	08:37:30	21	0.0	8.37	0.0		
03/28/2014	08:37:32					Start Job	
03/28/2014	08:37:32	21	0.0	8.37	0.0		
03/28/2014	08:37:34					Pressure Test Lines	
03/28/2014	08:37:34					Low Test 500 psi	
03/28/2014	08:37:34	21	0.0	8.37	0.0		
03/28/2014	08:37:35					Test Good	
03/28/2014	08:37:35					High Test 3000 psi	
03/28/2014	08:37:35					Test Good	
03/28/2014	08:37:35	21	0.0	8.37	0.0		
03/28/2014	08:38:30	19	0.0	8.37	0.0		
03/28/2014	08:40:30	19	0.0	8.37	0.0		
03/28/2014	08:42:30	19	0.0	8.37	0.0		
03/28/2014	08:44:30	19	0.0	8.37	0.0		
03/28/2014	08:46:30	19	0.0	8.37	0.0		

Well			Field		Job Start		Customer		Job Number	
Pronghorn K-O-18 HNB			Wattenburg		Mar/28/2014		Bonana Creek		CM11-00828	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/28/2014	08:49:12					Start Pumping Spacer				
03/28/2014	08:49:12	35	0.0	8.37	0.0					
03/28/2014	08:49:13					30 bbl Fresh Water				
03/28/2014	08:49:13					Good Returns				
03/28/2014	08:49:13	35	0.0	8.37	0.0					
03/28/2014	08:50:30	47	0.0	8.37	1.6					
03/28/2014	08:52:30	423	0.0	8.37	1.7					
03/28/2014	08:54:30	2915	0.0	8.37	1.7					
03/28/2014	08:56:30	52	0.0	8.37	1.7					
03/28/2014	08:58:30	154	5.7	8.37	10.5					
03/28/2014	09:00:30	105	4.3	8.37	20.7					
03/28/2014	09:02:30	113	4.3	8.36	29.4					
03/28/2014	09:04:30	214	4.2	15.70	35.6					
03/28/2014	09:04:55					End Spacer				
03/28/2014	09:04:55	205	4.2	15.79	37.3					
03/28/2014	09:04:56					Start Cement Slurry				
03/28/2014	09:04:56	207	4.2	15.79	37.4					
03/28/2014	09:04:57					Wet Dry Samples				
03/28/2014	09:04:57	207	4.2	15.79	37.5					
03/28/2014	09:04:58					Test = 15.8 ppg				
03/28/2014	09:04:58					Good Returns				
03/28/2014	09:04:58					Sample # 007432				
03/28/2014	09:04:58	211	4.2	15.79	37.5					
03/28/2014	09:06:30	200	4.2	15.67	44.0					
03/28/2014	09:08:30	308	5.5	15.92	54.4					
03/28/2014	09:10:30	329	5.5	15.94	65.5					
03/28/2014	09:12:30	312	5.5	15.86	76.6					
03/28/2014	09:14:30	289	5.6	15.94	87.7					
03/28/2014	09:16:30	292	5.6	15.97	98.8					
03/28/2014	09:18:30	69	0.4	15.87	103.4					
03/28/2014	09:20:30	146	3.1	15.70	109.0					
03/28/2014	09:22:30	144	3.1	15.58	115.2					
03/28/2014	09:23:00					End Cement Slurry				
03/28/2014	09:23:00	131	2.9	15.31	116.7					
03/28/2014	09:24:30	66	0.0	15.06	117.7					
03/28/2014	09:26:30	67	0.0	14.80	117.7					
03/28/2014	09:28:30	96	2.5	9.03	121.2					
03/28/2014	09:28:38					Drop Top Plug				
03/28/2014	09:28:38	98	2.5	8.93	121.5					
03/28/2014	09:28:39					Start Displacement				
03/28/2014	09:28:39	97	2.5	8.92	121.5					
03/28/2014	09:28:40					30 bbl Fresh Water				
03/28/2014	09:28:40					Good Returns				
03/28/2014	09:28:40	98	2.5	8.89	121.6					
03/28/2014	09:30:30	105	2.3	8.64	126.0					
03/28/2014	09:32:30	121	2.3	8.47	130.7					
03/28/2014	09:34:30	134	2.3	8.38	135.3					
03/28/2014	09:36:30	162	2.3	8.38	140.0					
03/28/2014	09:38:30	178	2.3	8.37	144.5					
03/28/2014	09:40:30	1116	0.0	8.37	148.8					
03/28/2014	09:42:30	1108	0.0	8.37	148.8					
03/28/2014	09:42:44					Bump Top Plug				
03/28/2014	09:42:44	1108	0.0	8.37	148.8					
03/28/2014	09:42:45					End Displacement				

Well			Field		Job Start		Customer		Job Number	
Pronghorn K-O-18 HNB			Wattenburg		Mar/28/2014		Bonana Creek		CMI1-00828	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/28/2014	09:44:30	1109	0.0	8.37	148.8					
03/28/2014	09:46:30	42	0.0	8.37	148.8					
03/28/2014	09:46:44					Bleed Off Check Floats				
03/28/2014	09:46:44					Floats Held				
03/28/2014	09:46:44					1/4 bbl Back				
03/28/2014	09:46:44					42 bbl Cement To Surface				
03/28/2014	09:46:44					Rig Down				
03/28/2014	09:46:44	41	0.0	8.37	148.8					
03/28/2014	09:46:47					End Job				
03/28/2014	09:46:47	41	0.0	8.37	148.8					

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface? <input type="checkbox"/>		Volume	
					Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>	
			Jordan Moreland/ Stacy terry			-		-