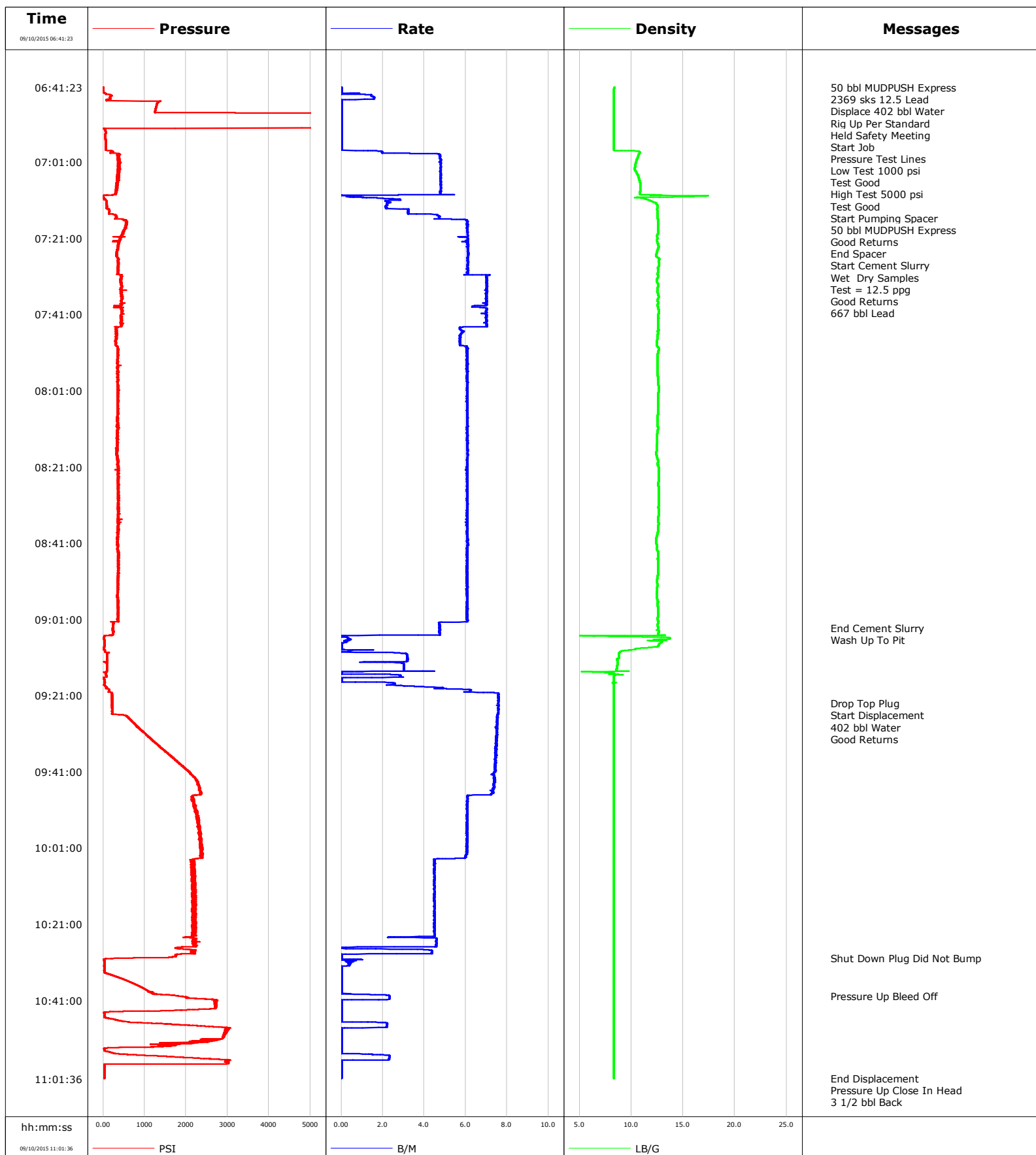


Well Troudt 2
Field Wattenberge
Engineer Jordan Moreland / Mike Reedy
Country United States

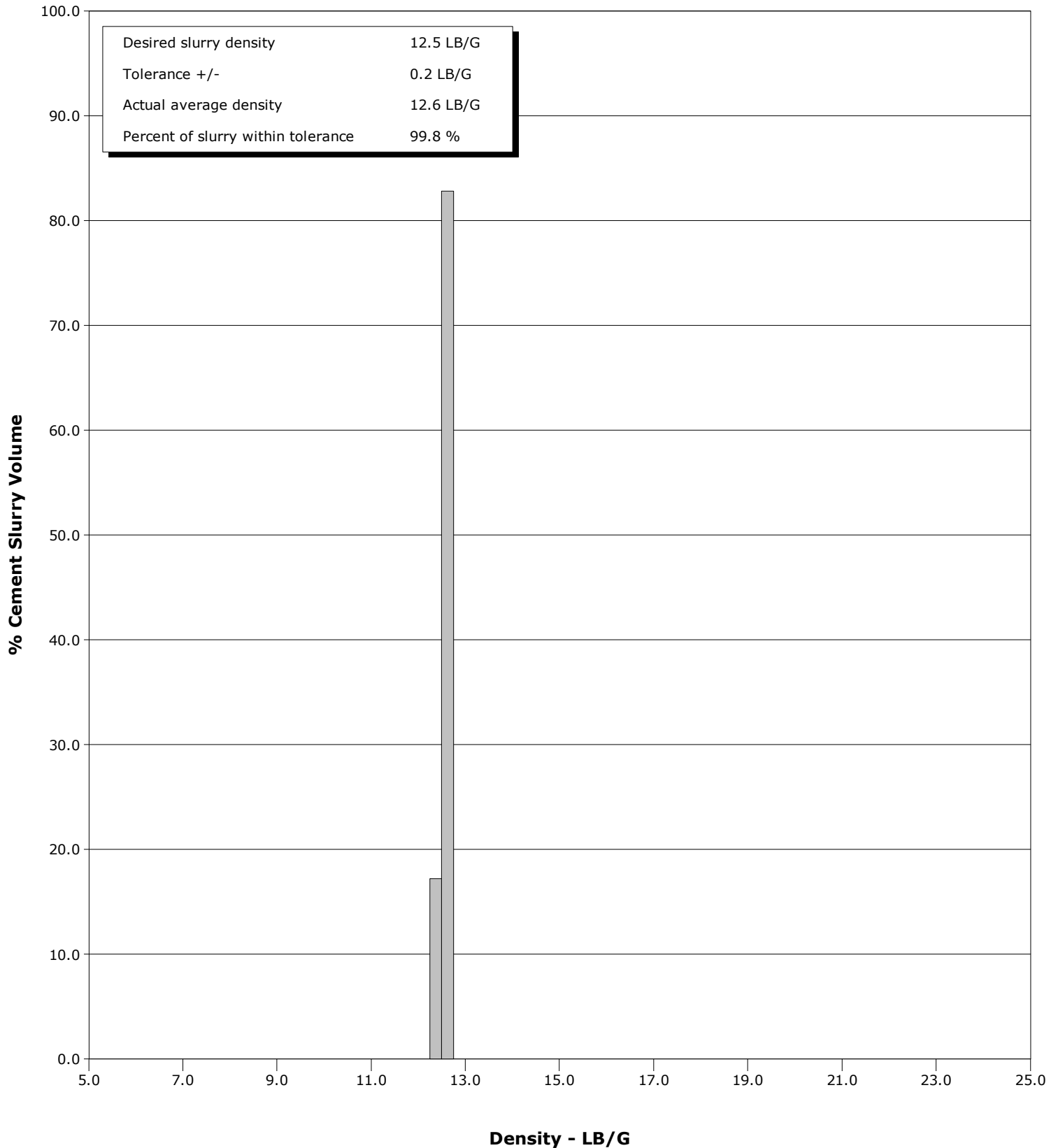
Client Extraction
SIR No. D5VO-00825
Job Type 5 1/2 Production
Job Date 09-10-2015



Well Troudt 2
Field Wattenberge
Engineer Jordan Moreland / Mike Reedy
Country United States

Client Extraction
SIR No. D5VO-00825
Job Type 5 1/2 Production
Job Date 09-10-2015

Cement Slurry - 09/10/2015 07:18:45 to 09/10/2015 09:03:15



Cementing Service Report

				Customer Extraction				Job Number D5VO-00825			
Well Troudts 2			Location (legal)			Schlumberger Location			Job Start Sep/10/2015		
Field Wattenberge		Formation Name/Type		Deviation deg		Bit Size 7.9 in		Well MD ft		Well TVD ft	
County Weld		State/Province Colorado		BHP psi		BHST 219 degF		BHCT 219 degF		Pore Press. Gradient lb/gal	
Well Master 0631646507		API/UWI 051234414320000									
Rig Name Savanna 802		Drilled For Oil		Service Via Land		Casing/ Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		18144.0		5.5		20.0	
						0.0		0.0		0.0	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
Service Line Cementing		Job Type 5 1/2 Production									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
						ft		ft			
						ft		ft			
						ft		ft			
						Treat Down Casing		Displacement 402.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 402.0 bbl		Annular Vol. 585.0 bbl	
										Openhole Vol. 1129.0 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 psi				Shoe Type Guide				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 18144.0 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 Sep/10/2015		Arrived on Location Sep/10/2015		Leave Location Sep/10/2015		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 18143.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
09/10/2015	06:41:23	3	0.0	8.38	0.0	Started Acquisition					
09/10/2015	06:41:25	2	0.0	8.38	0.0	Start Job					
09/10/2015	06:41:27	2	0.0	8.38	0.0	Pressure Test Lines					
09/10/2015	06:41:28	2	0.0	8.38	0.0	Low Test 1000 psi					
09/10/2015	06:41:29	2	0.0	8.38	0.0	High Test 5000 psi					
09/10/2015	06:43:23	160	1.4	8.33	0.2						
09/10/2015	06:45:23	1323	0.0	8.33	2.1						
09/10/2015	06:47:23	1260	0.0	8.33	2.1						
09/10/2015	06:49:23	5458	0.0	8.33	2.1						
09/10/2015	06:51:23	5156	0.0	8.33	2.1						
09/10/2015	06:53:23	62	0.0	8.33	2.1						
09/10/2015	06:54:52	58	0.0	8.33	2.1	Start Pumping Spacer					
09/10/2015	06:54:53	58	0.0	8.33	2.1	50 bbl MUDPUSH Express					
09/10/2015	06:54:54	58	0.0	8.33	2.1	Good Returns					
09/10/2015	06:55:23	60	0.0	8.33	2.1						
09/10/2015	06:57:23	66	0.0	8.33	2.1						
09/10/2015	06:59:23	373	4.8	10.65	6.3						
09/10/2015	07:01:23	365	4.8	10.42	15.9						
09/10/2015	07:03:23	370	4.8	10.41	25.4						
09/10/2015	07:05:23	353	4.8	10.74	35.0						
09/10/2015	07:07:23	342	4.8	10.87	44.6						

Well			Field	Job Start		Customer		Job Number	
Troudtt 2			Wattenberge		Sep/10/2015		Extraction		D5VO-00825
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/10/2015	07:11:23	81	2.2	12.01	58.3				
09/10/2015	07:12:43	86	2.2	12.54	61.3	End Spacer			
09/10/2015	07:13:23	135	3.1	12.50	62.8				
09/10/2015	07:15:23	313	4.8	12.54	70.2				
09/10/2015	07:17:23	581	6.1	12.57	81.3				
09/10/2015	07:18:45	520	6.1	12.57	89.7	Start Cement Slurry			
09/10/2015	07:18:47	508	6.1	12.57	89.9	Wet Dry Samples			
09/10/2015	07:19:23	480	6.1	12.57	93.5				
09/10/2015	07:21:23	436	6.1	12.50	105.6				
09/10/2015	07:23:23	359	6.1	12.61	117.8				
09/10/2015	07:25:23	338	6.1	12.40	130.0				
09/10/2015	07:27:23	366	6.1	12.66	142.2				
09/10/2015	07:29:23	357	6.1	12.60	154.4				
09/10/2015	07:31:23	431	7.0	12.56	167.3				
09/10/2015	07:33:23	438	7.0	12.56	181.3				
09/10/2015	07:35:23	452	7.0	12.55	195.3				
09/10/2015	07:37:23	433	7.0	12.55	209.3				
09/10/2015	07:39:23	423	7.0	12.59	223.1				
09/10/2015	07:41:23	436	7.0	12.59	237.0				
09/10/2015	07:43:23	419	7.0	12.57	251.0				
09/10/2015	07:45:23	312	5.9	12.60	263.7				
09/10/2015	07:47:23	330	5.7	12.54	275.3				
09/10/2015	07:49:23	356	6.0	12.50	286.8				
09/10/2015	07:51:23	353	6.1	12.56	298.9				
09/10/2015	07:53:23	345	6.1	12.55	311.0				
09/10/2015	07:55:23	361	6.1	12.55	323.2				
09/10/2015	07:57:23	366	6.1	12.56	335.3				
09/10/2015	07:59:23	358	6.1	12.60	347.5				
09/10/2015	08:01:23	354	6.1	12.61	359.6				
09/10/2015	08:03:23	345	6.1	12.60	371.8				
09/10/2015	08:05:23	350	6.1	12.58	383.9				
09/10/2015	08:07:23	346	6.1	12.56	396.1				
09/10/2015	08:09:23	342	6.1	12.54	408.2				
09/10/2015	08:11:23	358	6.1	12.55	420.4				
09/10/2015	08:13:23	332	6.1	12.49	432.6				
09/10/2015	08:15:23	332	6.1	12.46	444.7				
09/10/2015	08:17:23	344	6.1	12.39	456.9				
09/10/2015	08:19:23	355	6.1	12.58	469.1				
09/10/2015	08:21:23	357	6.1	12.65	481.2				
09/10/2015	08:23:23	358	6.1	12.65	493.3				
09/10/2015	08:25:23	368	6.1	12.60	505.5				
09/10/2015	08:27:23	363	6.1	12.64	517.6				
09/10/2015	08:29:23	355	6.1	12.63	529.8				
09/10/2015	08:31:23	383	6.1	12.61	541.9				
09/10/2015	08:33:23	371	6.1	12.62	554.1				
09/10/2015	08:35:23	361	6.1	12.56	566.2				
09/10/2015	08:37:23	348	6.1	12.60	578.4				
09/10/2015	08:39:23	343	6.1	12.45	590.5				
09/10/2015	08:41:23	350	6.1	12.43	602.7				
09/10/2015	08:43:23	371	6.1	12.59	614.9				
09/10/2015	08:45:23	369	6.1	12.56	627.0				
09/10/2015	08:47:23	358	6.1	12.60	639.1				
09/10/2015	08:49:23	356	6.1	12.57	651.3				
09/10/2015	08:51:23	356	6.1	12.50	663.4				

Well			Field	Job Start		Customer		Job Number	
Troudtt 2			Wattenberge		Sep/10/2015		Extraction		D5VO-00825
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/10/2015	08:55:23	346	6.1	12.45	687.7				
09/10/2015	08:57:23	354	6.1	12.55	699.8				
09/10/2015	08:59:23	377	6.1	12.57	712.0				
09/10/2015	09:01:23	359	6.1	12.58	724.1				
09/10/2015	09:03:15	250	4.7	12.57	733.5	End Cement Slurry			
09/10/2015	09:03:17	238	4.7	12.57	733.6	Wash Up To Pit			
09/10/2015	09:03:23	244	4.7	12.57	734.1				
09/10/2015	09:05:23	35	0.0	4.45	743.0				
09/10/2015	09:07:23	29	0.0	12.69	743.5				
09/10/2015	09:09:23	43	0.4	9.10	743.7				
09/10/2015	09:11:23	92	3.2	8.69	748.9				
09/10/2015	09:13:23	90	3.0	8.62	754.8				
09/10/2015	09:15:23	65	0.0	8.35	759.0				
09/10/2015	09:17:23	27	0.0	8.33	761.5				
09/10/2015	09:19:23	134	5.7	8.33	767.7				
09/10/2015	09:21:23	217	7.6	8.34	781.6				
09/10/2015	09:23:04	216	7.6	8.34	794.4	Drop Top Plug			
09/10/2015	09:23:05	216	7.6	8.34	794.5	Start Displacement			
09/10/2015	09:23:06	218	7.6	8.34	794.6	402 bbl Water			
09/10/2015	09:23:23	215	7.6	8.34	796.8				
09/10/2015	09:25:23	219	7.6	8.33	811.9				
09/10/2015	09:27:23	651	7.5	8.33	827.0				
09/10/2015	09:29:23	826	7.5	8.33	842.0				
09/10/2015	09:31:23	1051	7.5	8.34	857.0				
09/10/2015	09:33:23	1255	7.5	8.33	872.0				
09/10/2015	09:35:23	1460	7.5	8.33	886.9				
09/10/2015	09:37:23	1676	7.5	8.33	901.8				
09/10/2015	09:39:23	1905	7.4	8.33	916.7				
09/10/2015	09:41:23	2103	7.4	8.33	931.5				
09/10/2015	09:43:23	2236	7.4	8.33	946.3				
09/10/2015	09:45:23	2313	7.3	8.33	961.0				
09/10/2015	09:47:23	2156	6.1	8.33	975.4				
09/10/2015	09:49:23	2198	6.1	8.33	987.5				
09/10/2015	09:51:23	2212	6.1	8.33	999.7				
09/10/2015	09:53:23	2300	6.1	8.33	1011.8				
09/10/2015	09:55:23	2309	6.1	8.33	1024.0				
09/10/2015	09:57:23	2362	6.1	8.33	1036.1				
09/10/2015	09:59:23	2333	6.1	8.32	1048.2				
09/10/2015	10:01:23	2346	6.1	8.33	1060.3				
09/10/2015	10:03:23	2378	6.0	8.33	1072.4				
09/10/2015	10:05:23	2186	4.5	8.33	1082.1				
09/10/2015	10:07:23	2203	4.5	8.33	1091.1				
09/10/2015	10:09:23	2183	4.5	8.33	1100.1				
09/10/2015	10:11:23	2226	4.5	8.32	1109.1				
09/10/2015	10:13:23	2137	4.5	8.32	1118.1				
09/10/2015	10:15:23	2181	4.5	8.32	1127.0				
09/10/2015	10:17:23	2218	4.5	8.32	1136.0				
09/10/2015	10:19:23	2192	4.5	8.32	1145.0				
09/10/2015	10:21:23	2153	4.5	8.32	1154.0				
09/10/2015	10:23:23	2155	4.5	8.32	1163.0				
09/10/2015	10:25:23	2151	4.6	8.32	1171.5				
09/10/2015	10:27:23	1751	0.0	8.32	1179.1				
09/10/2015	10:29:23	1749	0.0	8.33	1184.7				
09/10/2015	10:30:00	334	0.0	8.33	1184.7	Shut Down Plug Did Not Bump			

Well			Field		Job Start	Customer		Job Number
Troudtt 2			Wattenberge		Sep/10/2015	Extraction		D5VO-00825
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/10/2015	10:33:23	25	0.0	8.32	1185.4			
09/10/2015	10:35:23	459	0.0	8.32	1185.4			
09/10/2015	10:37:23	883	0.0	8.33	1185.4			
09/10/2015	10:39:23	1285	0.3	8.33	1185.5			
09/10/2015	10:40:00	1926	2.3	8.32	1186.6	Pressure Up Bleed Off		
09/10/2015	10:41:23	2693	0.0	8.32	1188.7			
09/10/2015	10:43:23	2426	0.0	8.32	1188.7			
09/10/2015	10:45:23	27	0.0	8.32	1188.7			
09/10/2015	10:47:23	1795	2.2	8.32	1190.1			
09/10/2015	10:49:23	2952	0.0	8.32	1192.0			
09/10/2015	10:51:23	2789	0.0	8.32	1192.0			
09/10/2015	10:53:23	445	0.0	8.32	1192.0			
09/10/2015	10:55:23	812	2.1	8.32	1192.4			
09/10/2015	10:57:23	3018	0.0	8.31	1195.5			
09/10/2015	10:59:23	26	0.0	8.31	1195.5			
09/10/2015	11:01:23	27	0.0	8.32	1195.5			
09/10/2015	11:01:31	27	0.0	8.31	1195.5	End Displacement		
09/10/2015	11:01:32	27	0.0	8.31	1195.5	Pressure Up Close In Head		
09/10/2015	11:01:33	27	0.0	8.31	1195.5	3 1/2 bbl Back		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.6	N2	Mud	Maximum Rate 7.6	Total Slurry 1195.5	Mud 0.0	Spacer 61.3	N2		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 5579	Final 27	Average 915	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 401.0 bbl		Mix Water Temp 65 degF			
						Cement Circulated to Surface? <input checked="" type="checkbox"/>			
						Washed Thru Perfs <input type="checkbox"/>			
Customer or Authorized Representative			Schlumberger Supervisor Jordan Moreland / Mike Reedy			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
						-	-		