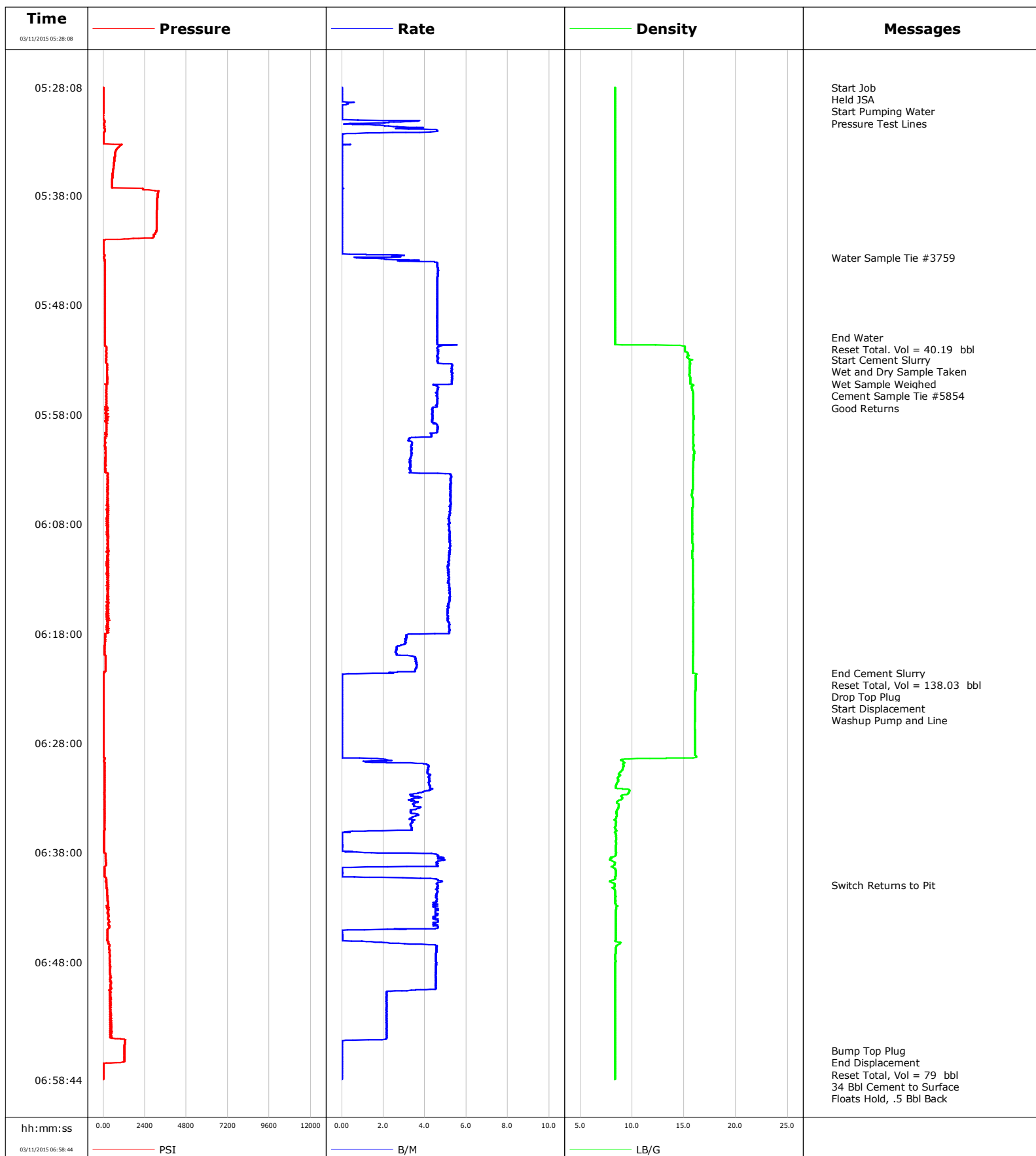


Well MartineznC5-5-6
Field Wattenberg
Engineer Ryan Drilling
Country United States

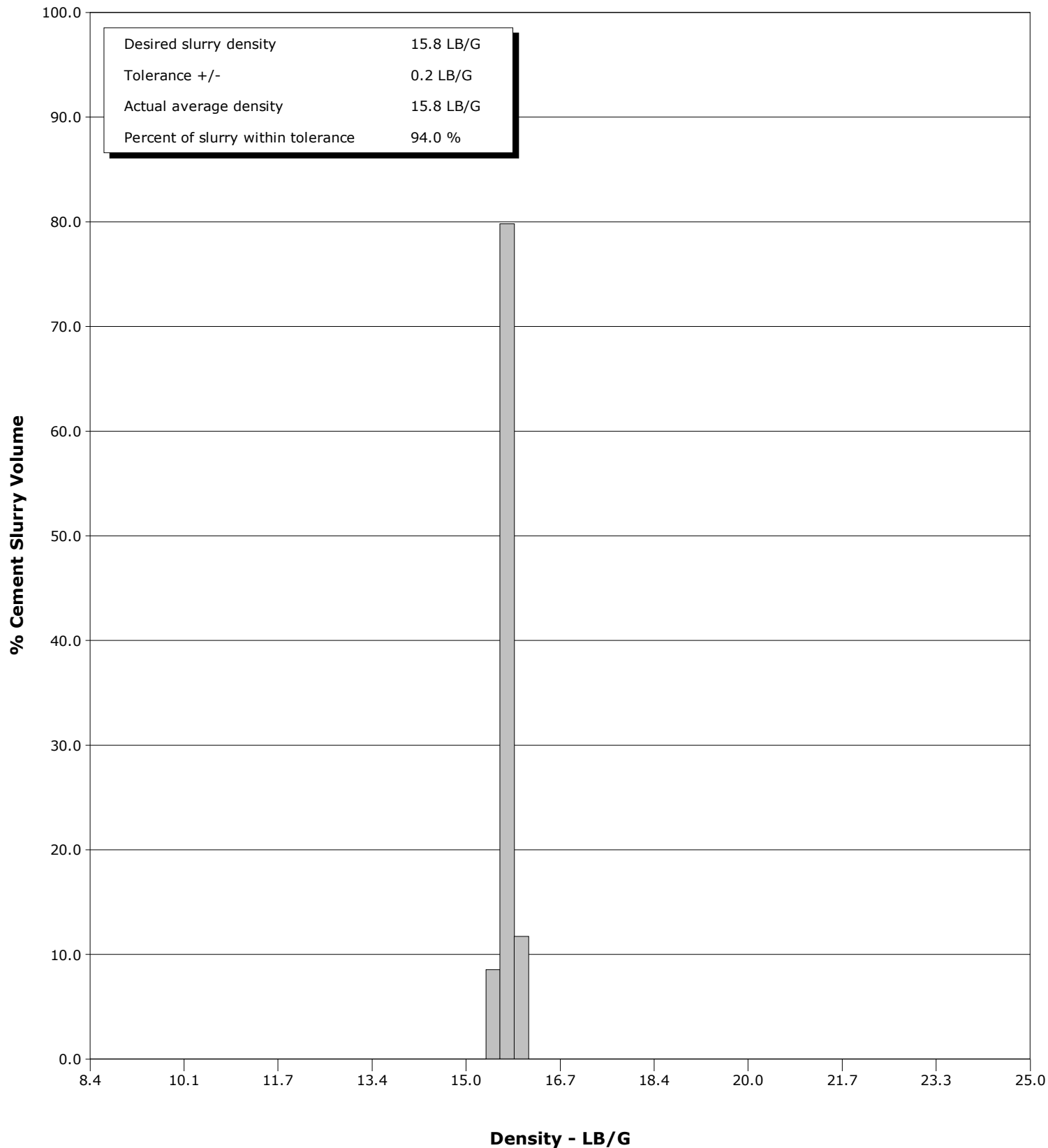
Client Extraction
SIR No. D8FO-00108
Job Type 9 5/8" Surface
Job Date 03-11-2015



Well MartineznC5-5-6
Field Wattenberg
Engineer Ryan Drilling
Country United States

Client Extraction
SIR No. D8FO-00108
Job Type 9 5/8" Surface
Job Date 03-11-2015

Cement Slurry - 03/11/2015 05:53:00 to 03/11/2015 06:21:36



Cementing Service Report

					Customer Extraction			Job Number D8FO-00108	
Well MartinezC5-5-6 C5-5-6			Location (legal) Cheyenne		Schlumberger Location Cheyenne			Job Start Mar/11/2015	
Field Wattenberg		Formation Name/Type Dirty-Sandstone		Deviation 0 deg		Bit Size 13.5 in		Well MD 1052.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 94 degF		BHCT 82 degF	
Well Master 0631619615		API/UWI						Pore Press. Gradient lb/gal	
Rig Name Savanna 802		Drilled For Oil		Service Via Land		Casing/Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		1052.0		9.6	
						0.0		0.0	
Drilling Fluid Type Bentonite		Max. Density 8.40 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
						T/D		Depth, ft	
						Size, in		Weight, lb/ft	
Service Line Cementing		Job Type 9 5/8" Surface						Grade	
Max. Allowed Tub. Press 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	
						Treat Down Casing		Displacement 78.0 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 78.0 bbl	
						Annular Vol. bbl		Openhole Vol. 92.0 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 550 psi						Shoe Type Guide		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1052.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type		Tool Depth ft	
Cement Head Type						Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Mar/11/2015 01:00		Arrived on Location Mar/11/2015 01:00		Leave Location Mar/11/2015 08:00		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 1008.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
03/11/2015	05:28:08	3	0.0	8.39	13.3	0	Started Acquisition		
03/11/2015	05:28:10	3	0.0	8.39	13.3	0	Held JSA		
03/11/2015	05:28:16	2	0.0	8.39	13.3	0	Start Pumping Water		
03/11/2015	05:28:18	3	0.0	8.39	13.3	0	Pressure Test Lines		
03/11/2015	05:29:08	3	0.0	8.39	0.0	0			
03/11/2015	05:30:08	3	0.0	8.39	0.1	0			
03/11/2015	05:31:08	41	0.8	8.39	0.0	0			
03/11/2015	05:32:08	100	4.6	8.39	2.7	0			
03/11/2015	05:33:08	17	0.0	8.39	3.4	0			
03/11/2015	05:34:08	688	0.0	8.39	3.5	0			
03/11/2015	05:35:08	618	0.0	8.39	3.5	0			
03/11/2015	05:36:08	534	0.0	8.39	3.5	0			
03/11/2015	05:37:08	493	0.0	8.39	3.5	0			
03/11/2015	05:38:08	3137	0.0	8.39	3.5	0			
03/11/2015	05:39:08	3105	0.0	8.39	3.5	0			
03/11/2015	05:40:08	3087	0.0	8.39	3.5	0			
03/11/2015	05:41:08	3073	0.0	8.39	3.5	0			
03/11/2015	05:42:08	7	0.0	8.39	3.5	0			
03/11/2015	05:43:08	16	0.0	8.39	3.5	0			
03/11/2015	05:43:42	31	0.7	8.39	4.2	0	Water Sample Tie #3759		
03/11/2015	05:44:08	106	4.6	8.39	5.4	0			

Well			Field		Job Start		Customer		Job Number	
MartineznC5-5-6 C5-5-6			Wattenberg		Mar/11/2015		Extraction		D8FO-00108	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
03/11/2015	05:46:08	96	4.6	8.39	14.6	0				
03/11/2015	05:47:08	96	4.6	8.39	19.2	0				
03/11/2015	05:48:08	97	4.6	8.39	23.8	0				
03/11/2015	05:49:08	98	4.6	8.39	28.4	0				
03/11/2015	05:50:08	96	4.6	8.39	33.0	0				
03/11/2015	05:51:00	103	4.6	8.39	37.0	0	End Water			
03/11/2015	05:51:01	103	4.6	8.39	37.1	0	Reset Total, Vol = 40.19 bbl			
03/11/2015	05:51:08	103	4.6	8.39	37.6	0				
03/11/2015	05:52:08	183	4.6	15.09	42.3	23				
03/11/2015	05:53:00	173	4.6	15.80	46.3	31	Start Cement Slurry			
03/11/2015	05:53:03	177	4.6	15.77	46.5	31	Wet and Dry Sample Taken			
03/11/2015	05:53:08	174	4.6	15.54	46.9	31				
03/11/2015	05:53:22	221	4.9	15.58	48.0	31	Cement Sample Tie #5854			
03/11/2015	05:54:08	252	5.3	15.53	52.1	31				
03/11/2015	05:55:08	216	5.3	15.60	57.4	32				
03/11/2015	05:56:08	177	4.6	15.89	62.1	32				
03/11/2015	05:57:08	170	4.6	15.90	66.7	33				
03/11/2015	05:57:26	275	4.4	15.89	68.0	33	Good Returns			
03/11/2015	05:58:08	149	4.4	15.91	71.1	36				
03/11/2015	05:59:08	193	4.6	15.88	75.5	38				
03/11/2015	06:00:08	95	3.4	15.89	80.0	35				
03/11/2015	06:01:08	120	3.4	15.90	83.3	38				
03/11/2015	06:02:08	116	3.3	15.93	86.6	40				
03/11/2015	06:03:08	121	3.3	15.84	89.9	40				
03/11/2015	06:04:08	288	5.2	15.84	94.7	41				
03/11/2015	06:05:08	304	5.2	15.78	99.9	41				
03/11/2015	06:06:08	255	5.3	15.84	105.2	42				
03/11/2015	06:07:08	307	5.2	15.80	110.4	42				
03/11/2015	06:08:08	284	5.2	15.78	115.6	42				
03/11/2015	06:09:08	303	5.2	15.81	120.8	42				
03/11/2015	06:10:08	257	5.2	15.82	126.0	42				
03/11/2015	06:11:08	213	5.1	15.81	131.2	42				
03/11/2015	06:12:08	271	5.1	15.82	136.3	42				
03/11/2015	06:13:08	302	5.1	15.86	141.4	42				
03/11/2015	06:14:08	259	5.2	15.88	146.6	42				
03/11/2015	06:15:08	199	5.2	15.91	151.8	42				
03/11/2015	06:16:08	263	5.1	15.87	156.9	42				
03/11/2015	06:17:08	279	5.2	15.89	162.1	42				
03/11/2015	06:18:08	103	3.1	15.88	167.1	42				
03/11/2015	06:19:08	86	2.8	15.87	170.1	31				
03/11/2015	06:20:08	124	3.5	15.84	172.8	39				
03/11/2015	06:21:08	125	3.6	15.85	176.4	61				
03/11/2015	06:21:36	69	2.5	15.82	178.0	76	End Cement Slurry			
03/11/2015	06:21:52	21	0.0	16.13	178.1	0	Reset Total, Vol = 138.03 bbl			
03/11/2015	06:21:57	21	0.0	16.13	178.1	0	Drop Top Plug			
03/11/2015	06:21:58	21	0.0	16.13	178.1	0	Start Displacement			
03/11/2015	06:21:59	21	0.0	16.13	178.1	0	Washup Pump and Line			
03/11/2015	06:22:08	21	0.0	16.14	178.1	0				
03/11/2015	06:23:08	21	0.0	16.10	178.1	0				
03/11/2015	06:24:08	21	0.0	16.08	178.1	0				
03/11/2015	06:25:08	21	0.0	16.06	178.1	0				
03/11/2015	06:26:08	21	0.0	16.05	178.1	0				
03/11/2015	06:27:08	21	0.0	16.05	178.1	0				
03/11/2015	06:28:08	28	0.0	16.06	0.0	0				

Well MartineznC5-5-6 C5-5-6			Field Wattenberg		Job Start Mar/11/2015	Customer Extraction	Job Number D8FO-00108
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message
03/11/2015	06:30:08	82	4.2	9.20	2.1	77	
03/11/2015	06:31:08	74	4.2	8.66	6.2	77	
03/11/2015	06:32:08	70	4.3	8.42	10.4	77	
03/11/2015	06:33:08	62	3.4	9.01	14.2	0	
03/11/2015	06:34:08	62	3.3	8.54	17.7	0	
03/11/2015	06:35:08	76	3.4	8.43	21.2	28	
03/11/2015	06:36:08	46	0.4	8.35	24.2	0	
03/11/2015	06:37:08	38	0.0	8.45	24.2	0	
03/11/2015	06:38:08	138	4.5	8.44	24.7	17	
03/11/2015	06:39:08	167	4.6	8.31	29.4	0	
03/11/2015	06:40:08	77	0.0	8.40	30.2	28	
03/11/2015	06:40:58	195	4.6	8.34	33.3	13	Switch Returns to Pit
03/11/2015	06:41:08	195	4.6	8.30	34.1	0	
03/11/2015	06:42:08	243	4.6	8.38	38.7	25	
03/11/2015	06:43:08	316	4.6	8.45	43.2	0	
03/11/2015	06:44:08	279	4.5	8.42	47.7	0	
03/11/2015	06:45:08	244	0.0	8.41	51.8	0	
03/11/2015	06:46:08	313	1.2	8.43	51.8	0	
03/11/2015	06:47:08	346	4.6	8.40	55.8	0	
03/11/2015	06:48:08	373	4.5	8.39	60.4	0	
03/11/2015	06:49:08	396	4.5	8.39	64.9	0	
03/11/2015	06:50:08	423	4.5	8.38	69.4	0	
03/11/2015	06:51:08	428	2.2	8.38	72.6	0	
03/11/2015	06:52:08	375	2.2	8.38	74.8	0	
03/11/2015	06:53:08	405	2.2	8.38	77.0	0	
03/11/2015	06:54:08	439	2.2	8.38	79.1	0	
03/11/2015	06:55:08	1261	0.5	8.38	81.2	0	
03/11/2015	06:56:05	1227	0.0	8.38	81.2	0	Bump Top Plug
03/11/2015	06:56:06	1227	0.0	8.38	81.2	0	End Displacement
03/11/2015	06:56:08	1226	0.0	8.38	81.2	0	
03/11/2015	06:56:10	1226	0.0	8.38	81.2	0	Reset Total, Vol = 79 bbl
03/11/2015	06:56:30	1223	0.0	8.38	81.2	0	34 Bbl Cement to Surface
03/11/2015	06:57:08	1156	0.0	8.38	81.2	0	
03/11/2015	06:58:08	22	0.0	8.38	81.2	0	
03/11/2015	06:58:24	22	0.0	8.39	81.2	0	Floats Hold, .5 Bbl Back

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl					
Slurry 3.8	N2	Mud	Maximum Rate 5.5	Total Slurry 138.0	Mud 0.0	Spacer 0.0	N2		
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum 3205	Final 22	Average 360	Bump Plug to 1200	Breakdown	Type	Volume bbl	Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 137.4 bbl	Displacement 79.0 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 34.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Sean McIntyre			Schlumberger Supervisor Ryan Drilling			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
						-	-		