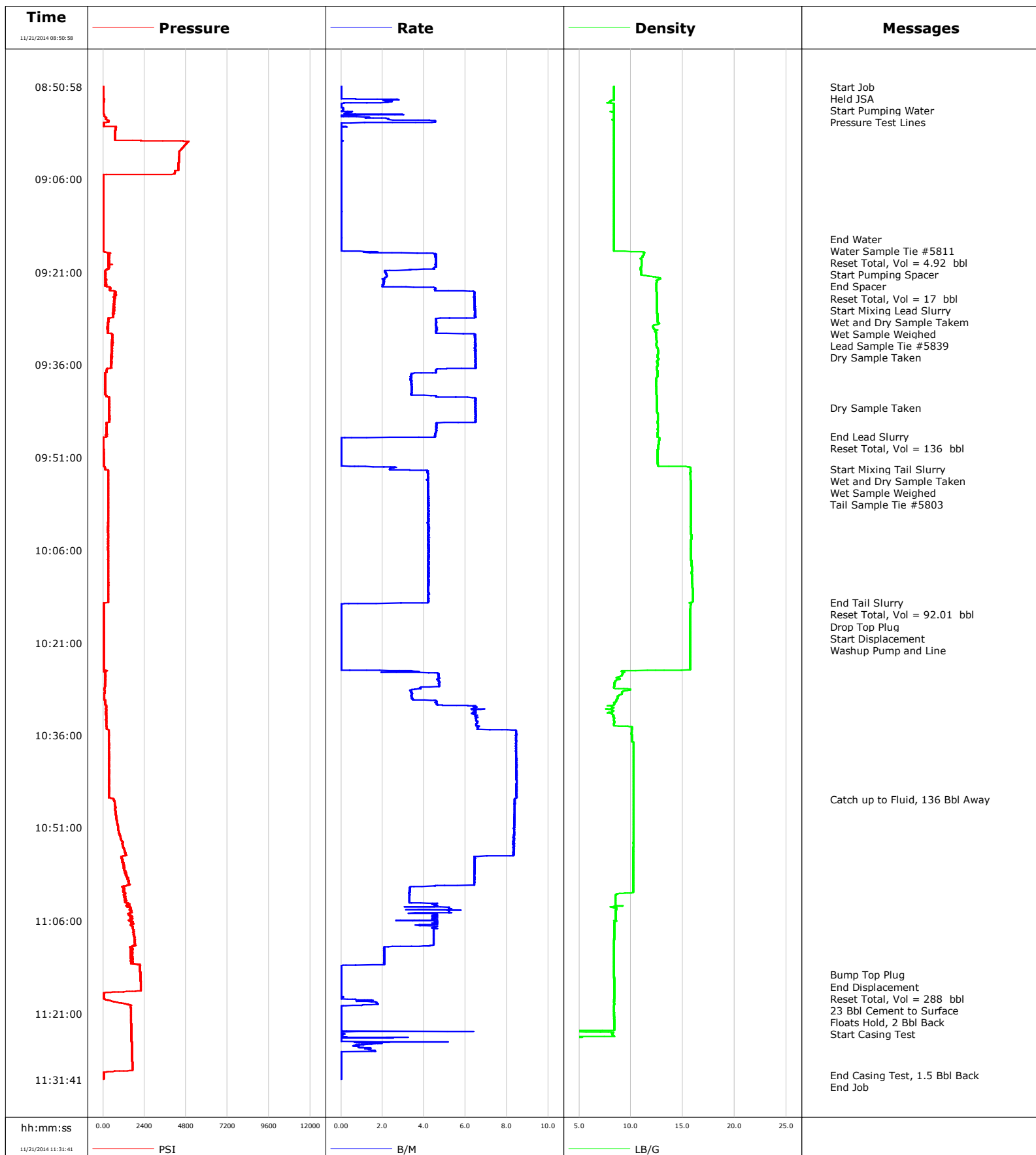


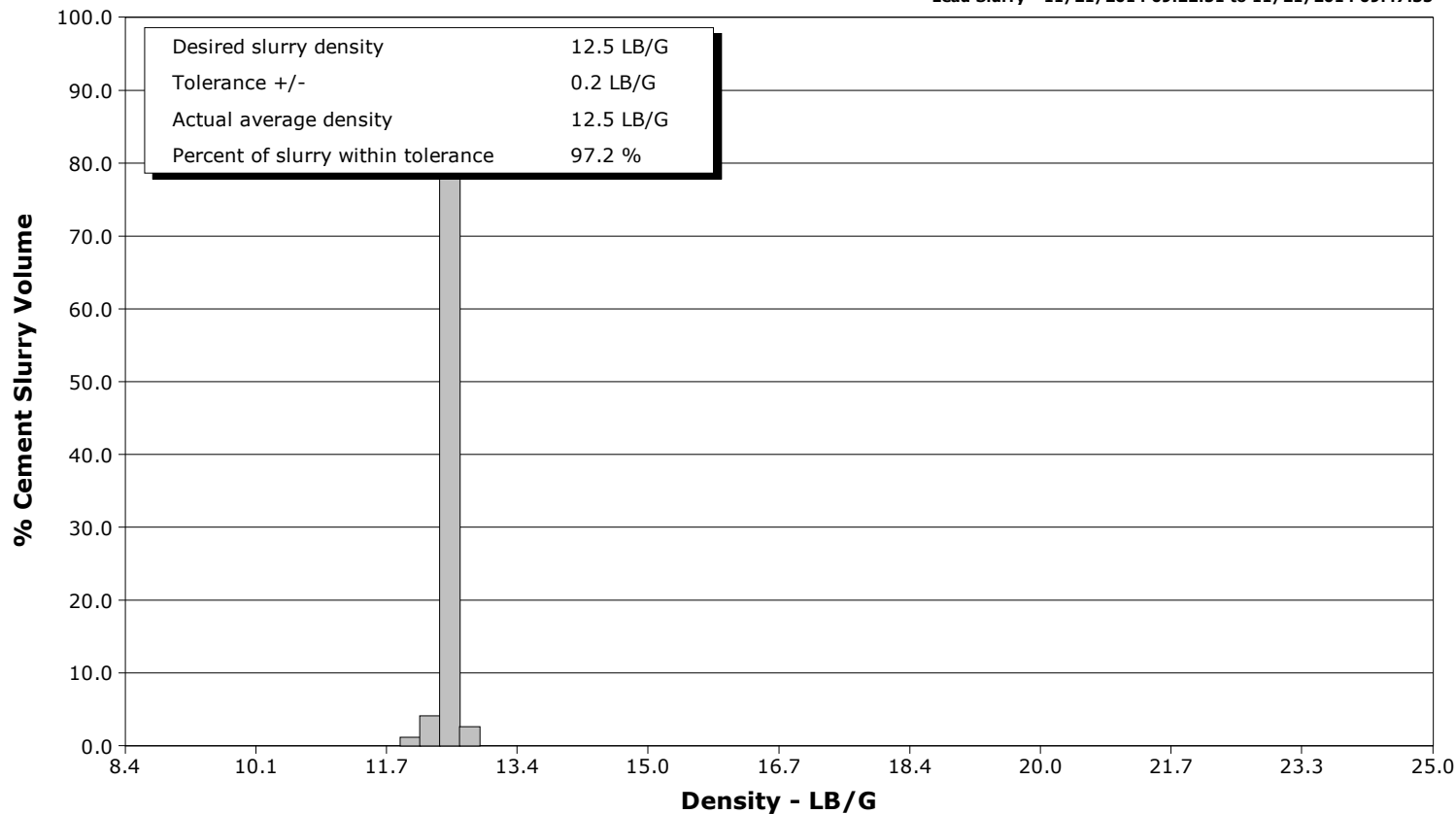
<b>Well</b>	Windsor LV F-14H	<b>Client</b>	Extraction
<b>Field</b>	Wattenberg	<b>SIR No.</b>	D5VO-00046
<b>Engineer</b>	Ryan Drilling/Ken Sovereign	<b>Job Type</b>	7" Intermediate
<b>Country</b>	United States	<b>Job Date</b>	11-21-2014



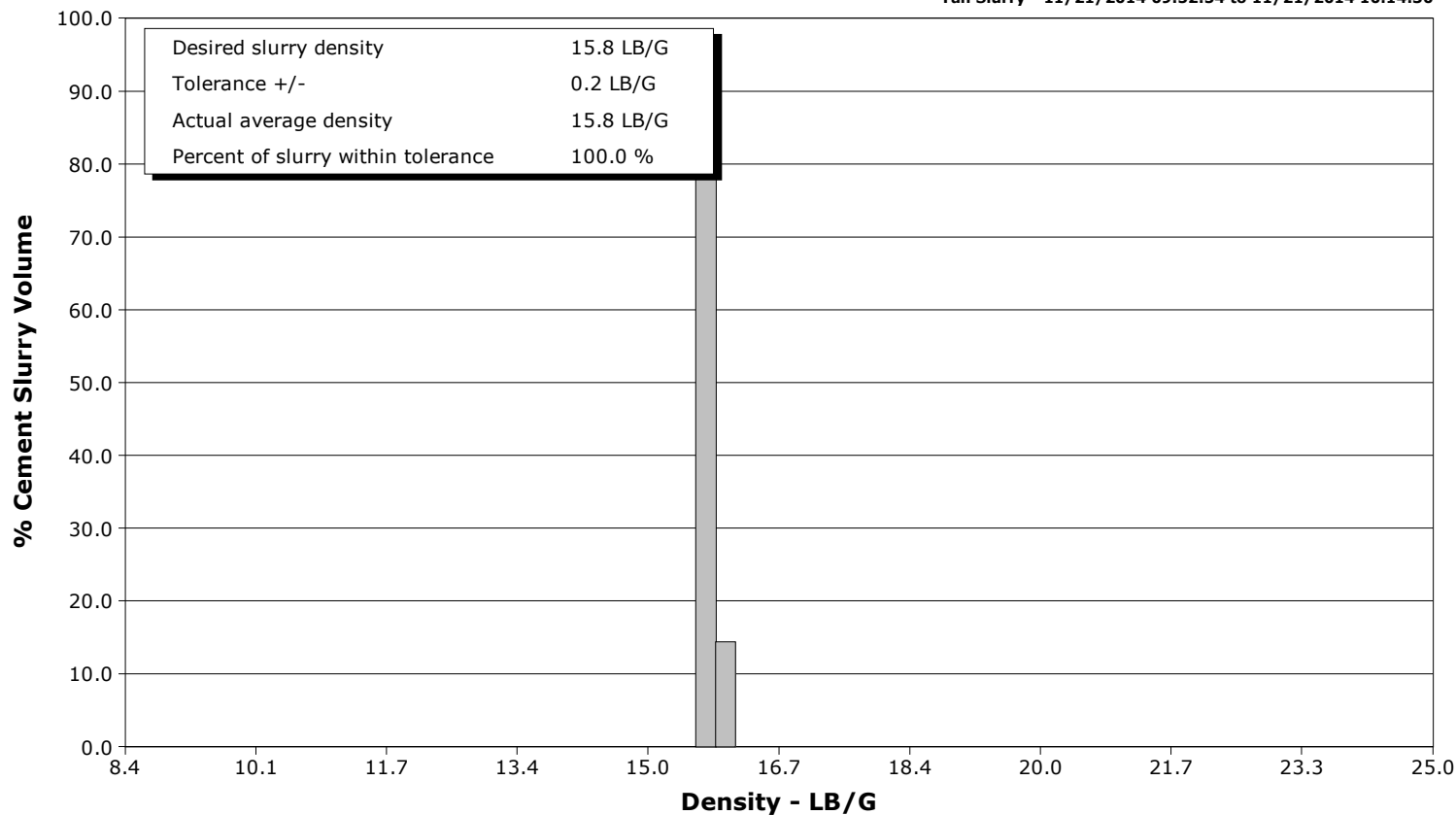
**Well** Windsor LV F-14H  
**Field** Wattenberg  
**Engineer** Ryan Drilling/Ken Sovereign  
**Country** United States

**Client** Extraction  
**SIR No.** D5VO-00046  
**Job Type** 7" Intermediate  
**Job Date** 11-21-2014

**Lead Slurry - 11/21/2014 09:22:51 to 11/21/2014 09:47:35**



**Tail Slurry - 11/21/2014 09:52:54 to 11/21/2014 10:14:30**



# Cementing Service Report

					Customer Extraction			Job Number D5VO-00046	
Well Windsor LV F-14H F-14H			Location (legal) Cheyenne			Schlumberger Location Rock Springs		Job Start Nov/21/2014	
Field Wattenberg		Formation Name/Type Shale		Deviation 90 deg		Bit Size 8.8 in		Well MD 7590.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 208 degF		BHCT 173 degF	
Well Master 0621501172		API/UWI						Pore Press. Gradient lb/gal	
Rig Name H&P 319		Drilled For Oil		Service Via Land		Casing/Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		700.0		9.6	
						7573.0		7.0	
						36.0		K55	
						26.0		K55	
Drilling Fluid Type Bentonite		Max. Density 10.40 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
						T/D		Depth, ft	
						Size, in		Weight, lb/ft	
						Grade		Thread	
Service Line Cementing		Job Type 7" Intermediate							
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	
								Total Interval ft	
						ft		ft	
						ft		ft	
						Treat Down Casing		Displacement 288.0 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 288.0 bbl	
						Annular Vol. 20.8 bbl		Openhole Vol. 184.0 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 Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 7573.0 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 Nov/21/2014 05:00		Arrived on Location Nov/21/2014 05:00		Leave Location Nov/21/2014 12:30		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 7520.0 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		
11/21/2014	08:50:58	10	0.0	8.37	47.7	0	Started Acquisition		
11/21/2014	08:50:59	10	0.0	8.37	47.7	0	Start Job		
11/21/2014	08:51:00	10	0.0	8.37	47.7	0	Held JSA		
11/21/2014	08:51:08	9	0.0	8.37	0.0	0	Start Pumping Water		
11/21/2014	08:51:10	10	0.0	8.37	0.0	0	Pressure Test Lines		
11/21/2014	08:51:58	9	0.0	8.37	0.0	0			
11/21/2014	08:52:58	10	0.0	8.37	0.0	0			
11/21/2014	08:53:58	9	0.0	8.37	1.4	0			
11/21/2014	08:54:58	11	0.1	8.37	1.5	0			
11/21/2014	08:55:58	142	1.2	8.37	2.0	3			
11/21/2014	08:56:58	35	0.0	8.37	4.8	0			
11/21/2014	08:57:58	715	0.0	8.36	4.8	0			
11/21/2014	08:58:58	703	0.0	8.36	4.8	0			
11/21/2014	08:59:58	4934	0.0	8.36	4.8	0			
11/21/2014	09:00:58	4605	0.0	8.36	4.8	0			
11/21/2014	09:01:58	4415	0.0	8.36	4.9	0			
11/21/2014	09:02:58	4383	0.0	8.36	4.9	0			
11/21/2014	09:03:58	4358	0.0	8.36	4.9	0			
11/21/2014	09:04:58	4144	0.0	8.36	4.9	0			
11/21/2014	09:05:58	13	0.0	8.36	4.9	0			
11/21/2014	09:06:58	12	0.0	8.36	0.0	0			

Well			Field		Job Start	Customer		Job Number
Windsor LV F-14H F-14H			Wattenberg		Nov/21/2014	Extraction		D5VO-00046
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
11/21/2014	09:08:58	12	0.0	8.36	0.0	0		
11/21/2014	09:09:58	13	0.0	8.36	0.0	0		
11/21/2014	09:10:58	12	0.0	8.36	0.0	0		
11/21/2014	09:11:58	12	0.0	8.36	0.0	0		
11/21/2014	09:12:58	11	0.0	8.36	0.0	0		
11/21/2014	09:13:58	11	0.0	8.36	0.0	0		
11/21/2014	09:14:58	13	0.0	8.36	0.0	0		
11/21/2014	09:15:39	13	0.0	8.36	0.0	0	End Water	
11/21/2014	09:15:42	13	0.0	8.36	0.0	0	Water Sample Tie #5811	
11/21/2014	09:15:58	13	0.0	8.36	0.0	0		
11/21/2014	09:16:28	13	0.0	8.36	0.0	0	Reset Total, Vol = 4.92 bbl	
11/21/2014	09:16:58	13	0.0	8.36	0.0	0		
11/21/2014	09:17:58	407	3.7	11.27	0.5	23		
11/21/2014	09:18:00	423	4.2	11.24	0.7	23	Start Pumping Spacer	
11/21/2014	09:18:58	337	4.6	10.99	5.1	20		
11/21/2014	09:19:58	312	4.6	11.01	9.6	11		
11/21/2014	09:20:58	128	2.1	10.97	13.5	16		
11/21/2014	09:21:58	168	2.1	12.69	15.6	33		
11/21/2014	09:22:35	188	2.1	12.52	16.9	34	End Spacer	
11/21/2014	09:22:36	127	2.1	12.52	17.0	34	Reset Total, Vol = 17 bbl	
11/21/2014	09:22:51	176	2.1	12.45	17.5	32	Start Mixing Lead Slurry	
11/21/2014	09:22:58	121	2.0	12.45	17.7	32		
11/21/2014	09:23:43	389	4.5	12.44	19.9	30	Wet and Dry Sample Takem	
11/21/2014	09:23:44	390	4.6	12.44	19.9	30	Wet Sample Weighed	
11/21/2014	09:23:58	393	4.5	12.45	21.0	30		
11/21/2014	09:24:00	384	4.6	12.45	21.1	30	Lead Sample Tie #5839	
11/21/2014	09:24:58	656	6.5	12.49	27.2	29		
11/21/2014	09:25:58	640	6.4	12.49	33.6	28		
11/21/2014	09:26:58	602	6.5	12.50	40.0	28		
11/21/2014	09:27:58	580	6.5	12.56	46.5	28		
11/21/2014	09:28:58	302	4.6	12.55	52.1	28		
11/21/2014	09:29:58	257	4.6	12.13	56.6	27		
11/21/2014	09:30:58	284	4.6	12.40	61.2	28		
11/21/2014	09:31:58	542	6.5	12.46	67.6	26		
11/21/2014	09:32:25	512	6.5	12.49	70.5	26	Dry Sample Taken	
11/21/2014	09:32:58	502	6.5	12.47	74.1	26		
11/21/2014	09:33:58	514	6.5	12.65	80.6	28		
11/21/2014	09:34:58	457	6.5	12.61	87.0	28		
11/21/2014	09:35:58	474	6.5	12.58	93.5	28		
11/21/2014	09:36:58	199	4.6	12.55	99.5	28		
11/21/2014	09:37:58	125	3.3	12.57	103.3	24		
11/21/2014	09:38:58	128	3.4	12.41	106.7	21		
11/21/2014	09:39:58	138	3.4	12.43	110.1	23		
11/21/2014	09:40:58	158	3.4	12.48	113.5	25		
11/21/2014	09:41:58	372	6.5	12.51	119.3	26		
11/21/2014	09:42:58	344	6.5	12.52	125.8	26		
11/21/2014	09:43:01	394	6.5	12.52	126.1	26	Dry Sample Taken	
11/21/2014	09:43:58	358	6.5	12.59	132.2	27		
11/21/2014	09:44:58	372	6.5	12.58	138.7	27		
11/21/2014	09:45:58	205	4.6	12.60	144.1	28		
11/21/2014	09:46:58	201	4.6	12.58	148.7	16		
11/21/2014	09:47:35	218	4.5	12.57	151.5	16	End Lead Slurry	
11/21/2014	09:47:58	26	0.0	12.75	152.6	0		
11/21/2014	09:48:09	26	0.0	12.72	152.6	0	Reset Total, Vol = 136 bbl	

Well			Field		Job Start	Customer		Job Number
Windsor LV F-14H F-14H			Wattenberg		Nov/21/2014	Extraction		D5VO-00046
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
11/21/2014	09:49:58	29	0.0	12.56	152.6	0		
11/21/2014	09:50:58	28	0.0	12.57	152.6	0		
11/21/2014	09:51:58	29	0.0	12.57	152.6	0		
11/21/2014	09:52:54	130	2.4	15.74	153.5	19	Start Mixing Tail Slurry	
11/21/2014	09:52:58	127	2.3	15.74	153.7	19		
11/21/2014	09:52:59	126	2.4	15.74	153.7	19	Wet and Dry Sample Taken	
11/21/2014	09:53:00	130	2.3	15.74	153.8	19	Tail Sample Tie #5803	
11/21/2014	09:53:58	295	4.2	15.73	157.6	26		
11/21/2014	09:54:58	301	4.2	15.77	161.8	31		
11/21/2014	09:55:58	301	4.2	15.79	166.0	34		
11/21/2014	09:56:58	294	4.2	15.77	170.2	36		
11/21/2014	09:57:58	299	4.2	15.79	174.4	37		
11/21/2014	09:58:58	298	4.2	15.80	178.6	38		
11/21/2014	09:59:58	300	4.2	15.81	182.8	39		
11/21/2014	10:00:58	297	4.2	15.80	187.0	39		
11/21/2014	10:01:58	296	4.2	15.79	191.2	39		
11/21/2014	10:02:58	299	4.2	15.77	195.4	38		
11/21/2014	10:03:58	286	4.2	15.82	199.6	39		
11/21/2014	10:04:58	291	4.2	15.78	203.8	39		
11/21/2014	10:05:58	297	4.2	15.76	208.1	40		
11/21/2014	10:06:58	286	4.2	15.80	212.3	40		
11/21/2014	10:07:58	305	4.2	15.83	216.5	41		
11/21/2014	10:08:58	311	4.2	15.86	220.7	41		
11/21/2014	10:09:58	289	4.2	15.86	224.9	42		
11/21/2014	10:10:58	303	4.2	15.88	229.1	42		
11/21/2014	10:11:58	296	4.2	15.93	233.3	42		
11/21/2014	10:12:58	301	4.2	15.97	237.5	31		
11/21/2014	10:13:58	300	4.2	15.97	241.7	48		
11/21/2014	10:14:30	310	4.2	15.91	244.0	71	End Tail Slurry	
11/21/2014	10:14:49	39	0.0	15.79	244.6	0	Reset Total, Vol = 92.01 bbl	
11/21/2014	10:14:53	39	0.0	15.78	244.6	0	Drop Top Plug	
11/21/2014	10:14:55	39	0.0	15.77	244.6	0	Start Displacement	
11/21/2014	10:14:57	39	0.0	15.76	244.6	0	Washup Pump and Line	
11/21/2014	10:14:58	39	0.0	15.76	244.6	0		
11/21/2014	10:15:58	39	0.0	15.71	244.6	0		
11/21/2014	10:16:58	39	0.0	15.69	244.6	0		
11/21/2014	10:17:58	40	0.0	15.69	244.6	0		
11/21/2014	10:18:58	40	0.0	15.69	244.6	0		
11/21/2014	10:19:58	40	0.0	15.69	244.6	0		
11/21/2014	10:20:58	40	0.0	15.69	244.6	0		
11/21/2014	10:21:58	40	0.0	15.69	244.6	0		
11/21/2014	10:22:58	40	0.0	15.69	244.6	0		
11/21/2014	10:23:58	41	0.0	15.70	0.0	0		
11/21/2014	10:24:58	40	0.0	15.70	0.0	0		
11/21/2014	10:25:58	132	4.7	9.19	1.5	76		
11/21/2014	10:26:58	147	4.6	8.89	6.2	76		
11/21/2014	10:27:58	114	4.7	8.38	10.9	76		
11/21/2014	10:28:58	89	3.4	9.19	14.8	36		
11/21/2014	10:29:58	78	3.4	8.69	18.2	0		
11/21/2014	10:30:58	118	4.6	8.42	22.4	19		
11/21/2014	10:31:58	181	6.5	8.24	28.4	26		
11/21/2014	10:32:58	179	6.5	8.29	34.9	11		
11/21/2014	10:33:58	194	6.6	8.39	41.4	0		
11/21/2014	10:34:58	219	6.6	10.09	48.0	0		

Well			Field		Job Start	Customer		Job Number
Windsor LV F-14H F-14H			Wattenberg		Nov/21/2014	Extraction		D5VO-00046
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
11/21/2014	10:36:58	339	8.5	10.12	64.6	0		
11/21/2014	10:37:58	344	8.4	10.26	73.0	0		
11/21/2014	10:38:58	346	8.4	10.26	81.5	0		
11/21/2014	10:39:58	338	8.4	10.28	89.9	0		
11/21/2014	10:40:58	341	8.5	10.28	98.4	0		
11/21/2014	10:41:58	343	8.4	10.27	106.8	0		
11/21/2014	10:42:58	339	8.5	10.27	115.3	0		
11/21/2014	10:43:58	338	8.5	10.27	123.7	0		
11/21/2014	10:44:58	345	8.5	10.26	132.2	0		
11/21/2014	10:45:58	351	8.5	10.26	140.6	0		
11/21/2014	10:46:21	628	8.4	10.26	143.9	0	Catch up to Fluid, 136 Bbl Away	
11/21/2014	10:46:58	681	8.4	10.26	149.0	0		
11/21/2014	10:47:58	710	8.4	10.26	157.4	0		
11/21/2014	10:48:58	745	8.4	10.26	165.8	0		
11/21/2014	10:49:58	807	8.4	10.25	174.1	0		
11/21/2014	10:50:58	875	8.4	10.25	182.5	0		
11/21/2014	10:51:58	940	8.3	10.24	190.8	0		
11/21/2014	10:52:58	1053	8.3	10.24	199.2	0		
11/21/2014	10:53:58	1163	8.3	10.24	207.5	0		
11/21/2014	10:54:58	1301	8.3	10.24	215.8	0		
11/21/2014	10:55:58	1077	6.5	10.23	223.4	0		
11/21/2014	10:56:58	1200	6.4	10.23	229.8	0		
11/21/2014	10:57:58	1273	6.4	10.23	236.3	0		
11/21/2014	10:58:58	1396	6.4	10.23	242.7	0		
11/21/2014	10:59:58	1462	6.4	10.23	249.1	0		
11/21/2014	11:00:58	1267	3.3	10.22	253.7	0		
11/21/2014	11:01:58	1230	3.3	8.53	257.0	0		
11/21/2014	11:02:58	1280	3.3	8.48	260.3	0		
11/21/2014	11:03:58	1609	5.2	8.33	264.7	0		
11/21/2014	11:04:58	1558	4.6	8.55	269.6	0		
11/21/2014	11:05:58	1467	2.7	8.53	274.1	0		
11/21/2014	11:06:58	1738	4.5	8.38	278.4	0		
11/21/2014	11:07:58	1746	4.5	8.38	282.9	0		
11/21/2014	11:08:58	1822	4.5	8.38	287.4	0		
11/21/2014	11:09:58	1748	4.4	8.38	291.9	0		
11/21/2014	11:10:58	1713	2.1	8.38	294.4	0		
11/21/2014	11:11:58	1590	2.1	8.38	296.5	0		
11/21/2014	11:12:58	1614	2.1	8.38	298.6	0		
11/21/2014	11:13:58	2136	0.0	8.38	299.1	0		
11/21/2014	11:14:44	2153	0.0	8.38	299.1	0	Bump Top Plug	
11/21/2014	11:14:45	2153	0.0	8.38	299.1	0	End Displacement	
11/21/2014	11:14:46	2153	0.0	8.38	299.1	0	Reset Total, Vol = 288 bbl	
11/21/2014	11:14:58	2157	0.0	8.38	299.1	0	23 Bbl Cement to Surface	
11/21/2014	11:15:58	2175	0.0	8.38	299.1	0		
11/21/2014	11:16:58	2192	0.0	8.38	299.1	0		
11/21/2014	11:17:58	40	0.0	8.38	299.1	0		
11/21/2014	11:18:05	40	0.0	8.38	299.1	0	Floats Hold, 2 Bbl Back	
11/21/2014	11:18:58	407	1.4	8.38	299.4	0		
11/21/2014	11:19:58	1600	0.0	8.38	300.5	0		
11/21/2014	11:20:13	1604	0.0	8.38	300.5	0	Start Casing Test	
11/21/2014	11:20:58	1610	0.0	8.38	300.5	0		
11/21/2014	11:21:58	1621	0.0	8.38	300.5	0		
11/21/2014	11:22:58	1632	0.0	8.38	300.5	0		
11/21/2014	11:23:58	1642	6.4	3.34	300.9	0		

Well			Field		Job Start	Customer		Job Number
Windsor LV F-14H F-14H			Wattenberg		Nov/21/2014	Extraction		D5VO-00046
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
11/21/2014	11:25:58	1661	1.5	0.06	301.8	0		
11/21/2014	11:26:58	1670	1.5	0.05	302.9	0		
11/21/2014	11:27:58	1679	0.0	0.05	303.3	0		
11/21/2014	11:28:58	1687	0.0	0.05	303.3	0		
11/21/2014	11:29:58	1695	0.0	0.05	303.3	0		
11/21/2014	11:30:58	38	0.0	0.05	303.3	0		
11/21/2014	11:31:02	37	0.0	0.05	303.3	0	End Casing Test, 1.5 Bbl Back	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 4.3	N2	Mud	Maximum Rate 8.5		Total Slurry 228.0	Mud 0.0	Spacer 0.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 4980	Final 38	Average 699	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 225.5 bbl		Displacement 288.0 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 23.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Sean McIntyre			Schlumberger Supervisor Ryan Drilling/Ken Sovereign			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
						-		-	