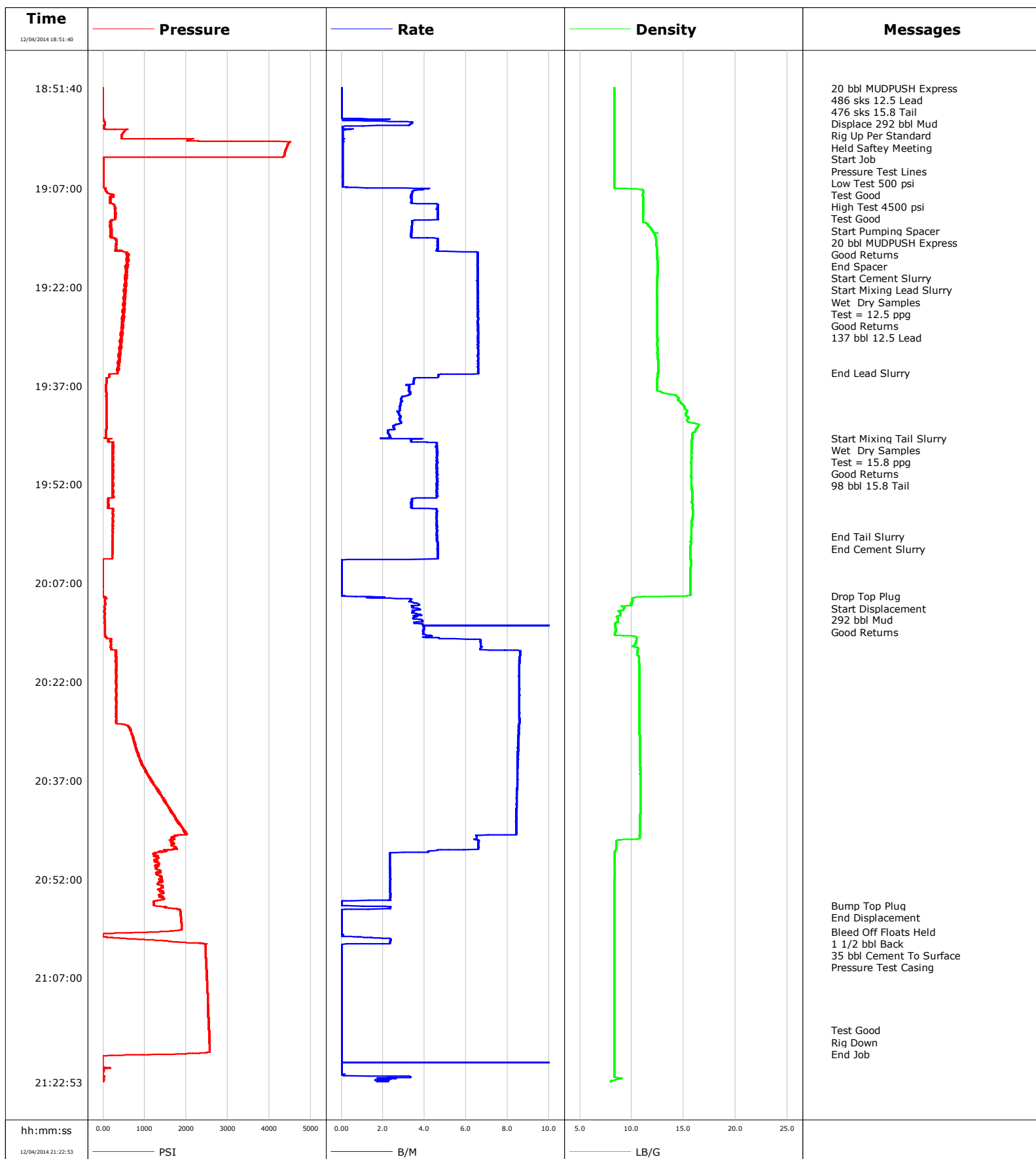


**Well** Windsor LV D-14H  
**Field** Wattenberge  
**Engineer** Jordan Moreland / Stacy Terry  
**Country** United States

**Client** Extraction  
**SIR No.** D4RN-00283  
**Job Type** 7" Intermediate  
**Job Date** 12-04-2014

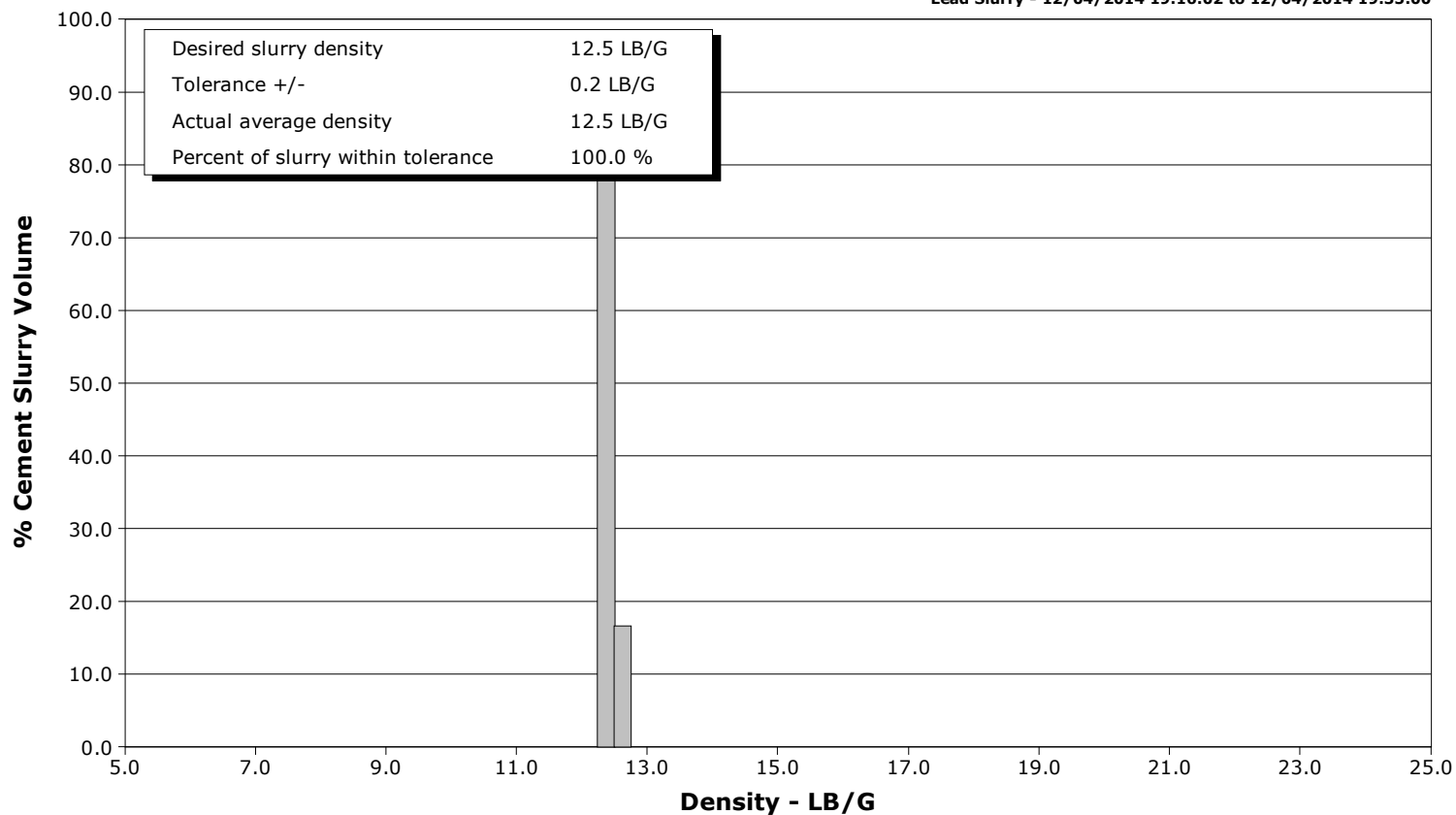


# Schlumberger Cementing Qa/Qc Density Report

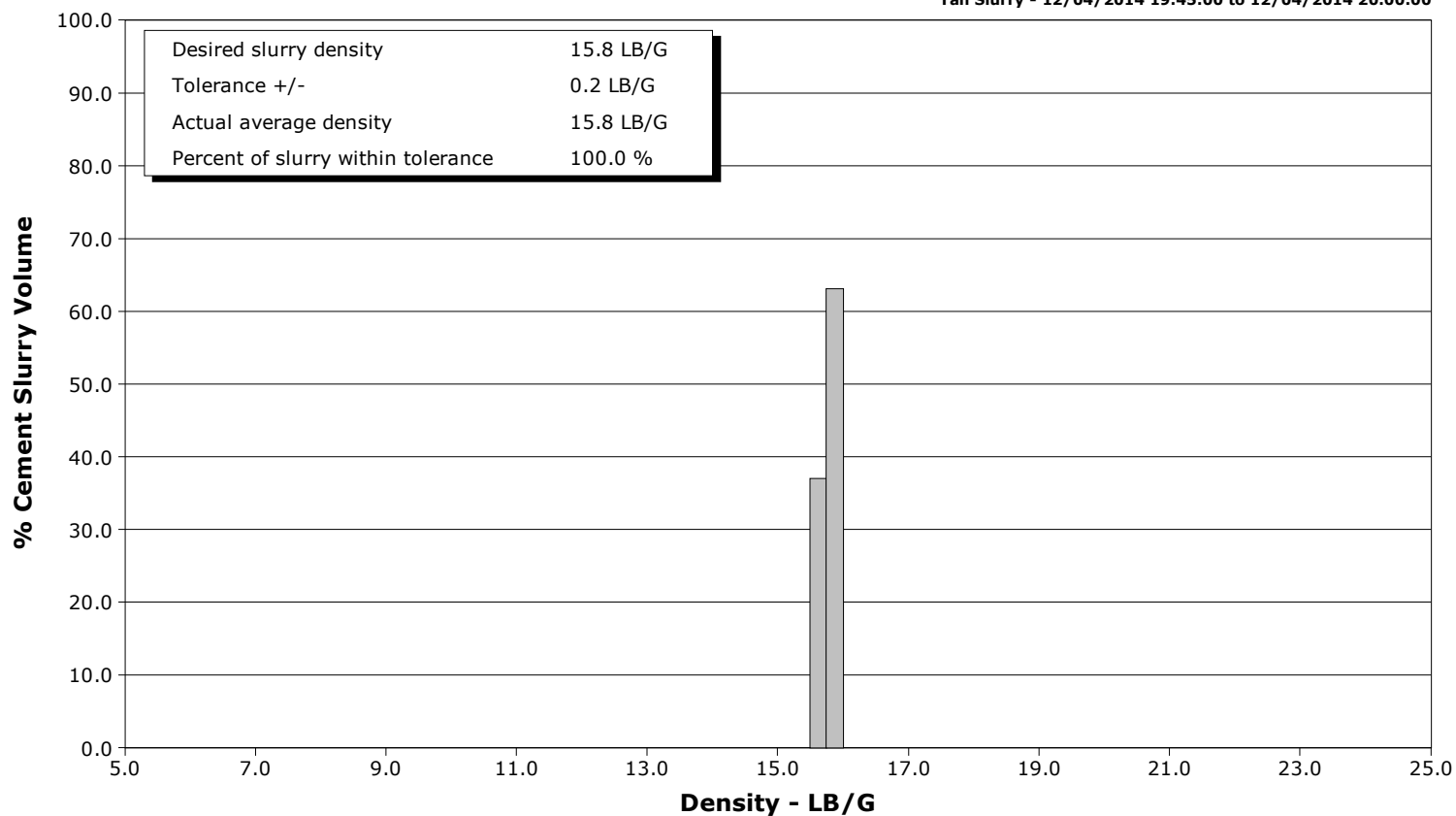
**Well** Windsor LV D-14H  
**Field** Wattenberge  
**Engineer** Jordan Moreland / Stacy Terry  
**Country** United States

**Client** Extraction  
**SIR No.** D4RN-00283  
**Job Type** 7" Intermediate  
**Job Date** 12-04-2014

**Lead Slurry - 12/04/2014 19:16:02 to 12/04/2014 19:35:00**



**Tail Slurry - 12/04/2014 19:45:00 to 12/04/2014 20:00:00**





# Cementing Service Report

				Customer Extraction		Job Number D4RN-00283	
Well Windsor LV D-14H		Location (legal)		Schlumberger Location CWY		Job Start Dec/04/2014	
Field Wattenberge		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
County Weld		State/Province Colorado		BHP	BHST 210 degF	BHCT 171 degF	Pore Press. Gradient
Well Master 0631501170		API/UWI					
Rig Name H&P 319	Drilled For Oil	Service Via Land	Casing/Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class New	Well Type Development	7667.0	7.000	0.0	P110	8RD
			0.0	0.000	0.0		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe			
				Depth,	Size,	Weight,	Grade
Service Line Cementing	Job Type 7" Intermediate						
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole				
			Top,	Bottom,		No. of Shots	Total Interval
Service Instructions Rate And Density Checked 20 bbl MUDPUSH Express 486 sks 12.5 Lead 476 sks 15.8 Tail Displace 292 bbl Mud							Diameter
Treat Down Casing	Displacement 292.0 bbl	Packer Type	Packer Depth				
Tubing Vol.	Casing Vol. 293.0 bbl	Annular Vol. 207.0 bbl	Openhole Vol. 557.0 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			Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 7667.0 ft		Tool Type		
No. Centralizers	Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth		
Cement Head Type			Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Dec/04/2014	Arrived on Location Dec/04/2014	Leave Location Dec/04/2014	Collar Type Float		Tail Pipe Depth		
			Collar Depth 7622.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
12/04/2014	18:51:08					Started Acquisition	
12/04/2014	18:51:40					20 bbl MUDPUSH Express	
12/04/2014	18:51:40					486 sks 12.5 Lead	
12/04/2014	18:51:40	-3	0.0	8.31	0.0		
12/04/2014	18:51:41					476 sks 15.8 Tail	
12/04/2014	18:51:41					Displace 292 bbl Mud	
12/04/2014	18:51:41					Rig Up Per Standard	
12/04/2014	18:51:41					Held Saftey Meeting	
12/04/2014	18:51:41	-3	0.0	8.31	0.0		
12/04/2014	18:51:43					Start Job	
12/04/2014	18:51:43	-3	0.0	8.31	0.0		
12/04/2014	18:51:44					Pressure Test Lines	
12/04/2014	18:51:44	-3	0.0	8.31	0.0		
12/04/2014	18:51:46					Low Test 500 psi	
12/04/2014	18:51:46					Test Good	
12/04/2014	18:51:46					High Test 4500 psi	
12/04/2014	18:51:46					Test Good	
12/04/2014	18:51:46	-3	0.0	8.31	0.0		
12/04/2014	18:53:08	-5	0.0	8.31	0.0		
12/04/2014	18:55:08	-6	0.0	8.31	0.0		
12/04/2014	18:57:08	46	3.4	8.31	1.6		

Well			Field	Job Start	Customer	Job Number
Windsor LV D-14H			Wattenberge	Dec/04/2014	Extraction	D4RN-00283
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
12/04/2014	19:01:08	4395	0.1	8.31	3.0	
12/04/2014	19:03:08	6	0.1	8.31	3.1	
12/04/2014	19:05:08	3	0.1	8.31	3.2	
12/04/2014	19:07:08	56	3.9	10.93	4.1	
12/04/2014	19:08:43					Start Pumping Spacer
12/04/2014	19:08:43	188	3.4	11.11	9.6	
12/04/2014	19:08:51					20 bbl MUDPUSH Express
12/04/2014	19:08:51					Good Returns
12/04/2014	19:08:51	189	3.4	11.11	10.0	
12/04/2014	19:09:08	175	3.4	11.11	11.0	
12/04/2014	19:11:08	294	4.6	11.08	20.0	
12/04/2014	19:13:08	187	3.4	11.89	27.6	
12/04/2014	19:15:08	322	4.6	12.35	35.1	
12/04/2014	19:15:58					End Spacer
12/04/2014	19:15:58	308	4.6	12.39	39.0	
12/04/2014	19:16:01					Start Cement Slurry
12/04/2014	19:16:01	322	4.6	12.40	39.2	
12/04/2014	19:16:02					Start Mixing Lead Slurry
12/04/2014	19:16:02	325	4.6	12.40	39.3	
12/04/2014	19:16:04					Wet Dry Samples
12/04/2014	19:16:04					Test = 12.5 ppg
12/04/2014	19:16:04					Good Returns
12/04/2014	19:16:04					137 bbl 12.5 Lead
12/04/2014	19:16:04	309	4.6	12.41	39.4	
12/04/2014	19:17:08	604	6.6	12.45	45.4	
12/04/2014	19:19:08	537	6.5	12.50	58.5	
12/04/2014	19:21:08	543	6.6	12.47	71.6	
12/04/2014	19:23:08	520	6.6	12.43	84.7	
12/04/2014	19:25:08	502	6.6	12.46	97.8	
12/04/2014	19:27:08	462	6.6	12.45	111.0	
12/04/2014	19:29:08	427	6.6	12.46	124.1	
12/04/2014	19:31:08	387	6.6	12.48	137.3	
12/04/2014	19:33:08	410	6.6	12.52	150.4	
12/04/2014	19:35:00					End Lead Slurry
12/04/2014	19:35:00	348	6.6	12.53	162.7	
12/04/2014	19:35:08	353	6.6	12.51	163.6	
12/04/2014	19:37:08	69	3.3	12.46	171.4	
12/04/2014	19:39:08	73	2.9	14.47	177.8	
12/04/2014	19:41:08	77	2.8	15.23	183.4	
12/04/2014	19:43:08	84	2.5	16.43	189.0	
12/04/2014	19:45:00					Start Mixing Tail Slurry
12/04/2014	19:45:00					Wet Dry Samples
12/04/2014	19:45:00					Test = 15.8 ppg
12/04/2014	19:45:00					Good Returns
12/04/2014	19:45:00					98 bbl 15.8 Tail
12/04/2014	19:45:00	29	1.9	15.83	193.4	
12/04/2014	19:45:08	112	3.5	15.81	193.8	
12/04/2014	19:47:08	247	4.6	15.77	202.4	
12/04/2014	19:49:08	221	4.6	15.75	211.6	
12/04/2014	19:51:08	227	4.6	15.76	220.8	
12/04/2014	19:53:08	247	4.6	15.83	230.0	
12/04/2014	19:55:08	127	3.4	15.88	238.0	
12/04/2014	19:57:08	237	4.6	15.84	246.5	
12/04/2014	19:59:08	237	4.6	15.74	255.6	

Well			Field		Job Start		Customer		Job Number	
Windsor LV D-14H			Wattenberge		Dec/04/2014		Extraction		D4RN-00283	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
12/04/2014	20:00:00	225	4.6	15.71	259.6					
12/04/2014	20:01:00					End Cement Slurry				
12/04/2014	20:01:00	228	4.6	15.69	264.2					
12/04/2014	20:01:08	228	4.6	15.69	264.9					
12/04/2014	20:03:08	220	4.6	15.63	274.1					
12/04/2014	20:05:08	-4	0.0	15.66	275.4					
12/04/2014	20:07:08	-9	0.0	15.65	275.4					
12/04/2014	20:09:00					Drop Top Plug				
12/04/2014	20:09:00					Start Displacement				
12/04/2014	20:09:00					292 bbl Mud				
12/04/2014	20:09:00					Good Returns				
12/04/2014	20:09:00	-3	0.0	14.62	275.4					
12/04/2014	20:09:08	66	1.8	10.90	275.5					
12/04/2014	20:11:08	31	3.7	9.11	282.2					
12/04/2014	20:13:08	30	3.5	8.43	289.4					
12/04/2014	20:15:08	56	4.3	10.30	302.1					
12/04/2014	20:17:08	196	6.7	10.58	314.6					
12/04/2014	20:19:08	322	8.6	10.70	331.7					
12/04/2014	20:21:08	316	8.6	10.74	348.8					
12/04/2014	20:23:08	310	8.6	10.75	365.9					
12/04/2014	20:25:08	326	8.6	10.74	383.1					
12/04/2014	20:27:08	308	8.6	10.75	400.2					
12/04/2014	20:29:08	650	8.5	10.76	417.3					
12/04/2014	20:31:08	756	8.5	10.77	434.4					
12/04/2014	20:33:08	855	8.5	10.78	451.4					
12/04/2014	20:35:08	978	8.5	10.81	468.3					
12/04/2014	20:37:08	1187	8.5	10.82	485.3					
12/04/2014	20:39:08	1390	8.5	10.83	501.9					
12/04/2014	20:41:08	1582	8.4	10.83	518.8					
12/04/2014	20:43:08	1760	8.4	10.81	535.6					
12/04/2014	20:45:08	2011	8.4	10.77	552.5					
12/04/2014	20:47:08	1748	6.6	8.49	565.9					
12/04/2014	20:49:08	1233	2.3	8.37	573.3					
12/04/2014	20:51:08	1360	2.3	8.36	577.9					
12/04/2014	20:53:08	1428	2.3	8.32	582.6					
12/04/2014	20:55:08	1452	2.3	8.31	587.3					
12/04/2014	20:56:00					Bump Top Plug				
12/04/2014	20:56:00					End Displacement				
12/04/2014	20:56:00	1225	0.0	8.31	587.7					
12/04/2014	20:57:08	1861	0.0	8.31	588.8					
12/04/2014	20:59:08	1887	0.0	8.31	588.8					
12/04/2014	21:00:00					Bleed Off Floats Held				
12/04/2014	21:00:00					1 1/2 bbl Back				
12/04/2014	21:00:00					35 bbl Cement To Surface				
12/04/2014	21:00:00					Pressure Test Casing				
12/04/2014	21:00:00	1517	0.0	8.31	588.8					
12/04/2014	21:01:08	664	2.4	8.31	589.3					
12/04/2014	21:03:08	2469	0.0	8.32	591.1					
12/04/2014	21:05:08	2483	0.0	8.32	591.1					
12/04/2014	21:07:08	2497	0.0	8.32	591.1					
12/04/2014	21:09:08	2511	0.0	8.32	591.1					
12/04/2014	21:11:08	2524	0.0	8.32	591.1					
12/04/2014	21:13:08	2536	0.0	8.32	591.1					
12/04/2014	21:15:00					Test Good				

Well			Field		Job Start	Customer	Job Number
Windsor LV D-14H			Wattenberge		Dec/04/2014	Extraction	D4RN-00283
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
12/04/2014	21:15:00	2548	0.0	8.32	591.1		
12/04/2014	21:15:08	2548	0.0	8.32	591.1		
12/04/2014	21:16:00					End Job	
12/04/2014	21:16:00	2553	0.0	8.32	591.1		
12/04/2014	21:17:08	2560	0.0	8.32	591.1		
12/04/2014	21:19:08	-22	0.0	8.32	591.1		

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 checked="" type="checkbox"/>		Volume
					Washed Thru Perfs	<input type="checkbox"/>		To
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost		Job Completed
			Jordan Moreland / Stacy Terry			<input type="checkbox"/>		<input checked="" type="checkbox"/>
						-		-