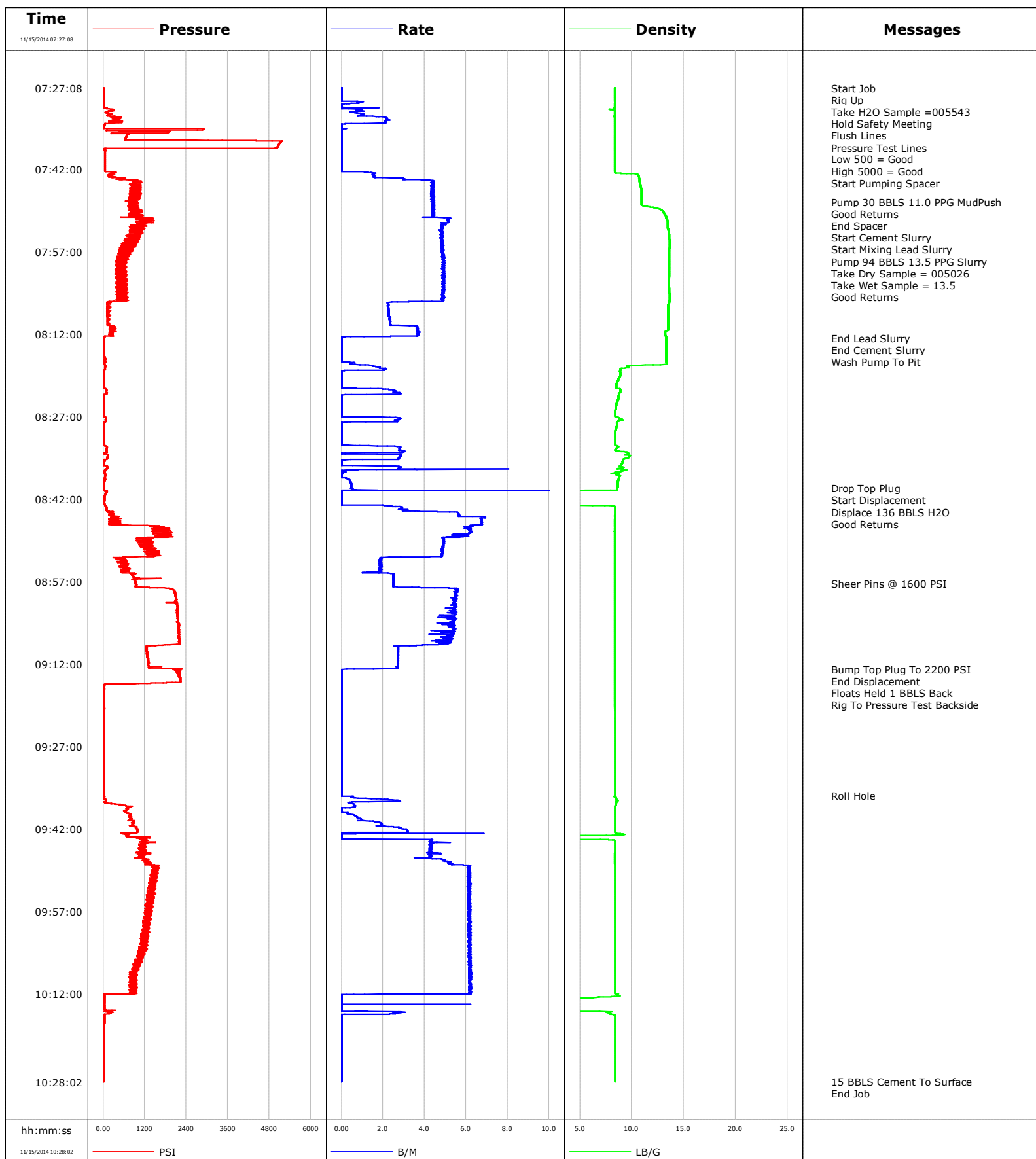


**Well** Windsor LVG 14-H  
**Field** Wattenberg  
**Engineer** Conley Jensen/ Stacy Terry  
**Country** United States

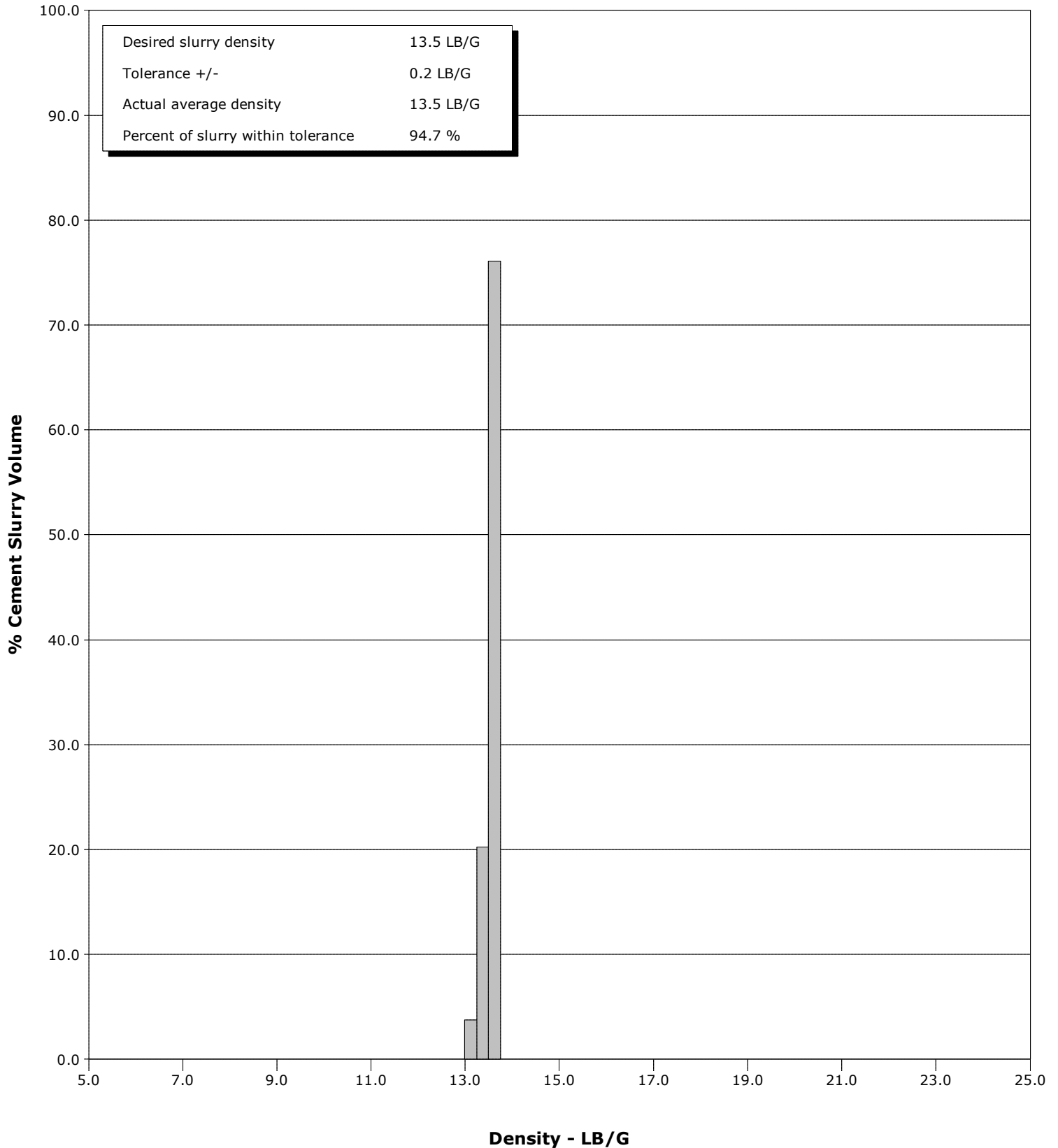
**Client** Extraction  
**SIR No.** 2058496  
**Job Type** 4.5 Liner  
**Job Date** 11-15-2014



**Well** Windsor LVG 14-H  
**Field** Wattenberg  
**Engineer** Conley Jensen/ Stacy Terry  
**Country** United States

**Client** Extraction  
**SIR No.** 2058496  
**Job Type** 4.5 Liner  
**Job Date** 11-15-2014

**Cement Slurry - 11/15/2014 07:50:17 to 11/15/2014 08:12:42**



# Cementing Service Report

				Customer Extraction			Job Number 2058496						
Well Windsor LVG 14-H 14-H			Location (legal) CWY			Schlumberger Location CWY			Job Start Nov/15/2014				
Field Wattenberg		Formation Name/Type Shale			Deviation deg		Bit Size 6.1 in		Well MD 11692.0 ft		Well TVD 7057.0 ft		
County Weld		State/Province Colorado			BHP psi		BHST 207 degF		BHCT 207 degF		Pore Press. Gradient lb/gal		
Well Master 0631602159		API/UWI											
Rig Name H&P 319		Drilled For Oil		Service Via Land		Casing/Liner							
						Depth, ft		Size, in		Weight, lb/ft		Grade	
						7500.0		7.0		26.0		P110	
Offshore Zone		Well Class New		Well Type		4928.0		4.5		13.5		P110	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe							
						T/D		Depth, ft		Size, in		Weight, lb/ft	
						D		6705.0		4.0		14.0	
								0.0		0.0		0.0	
Service Line Cementing		Job Type 4.5 Liner				Perforations/Open Hole							
						Top, ft		Bottom, ft		shot/ft		No. of Shots	
						ft		ft					
						ft		ft				Diameter	
						ft		ft				in	
						Treat Down Casing		Displacement 136.0 bbl		Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 136.0 bbl		Annular Vol. bbl		Openhole Vol. bbl	
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection									
Service Instructions Rig Up Hold Safety Meeting Flush lines Pressure Test Lines Pump 30 BBLs 11.0 PPG MudPush Pump 94 BBLs 13.5 Slurry Displace 136 BBLs H2O Set Packer Pressure Test Backside Roll Hold													
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 11688.0 ft				Tool Type			
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth ft			
Cement Head Type						Stage Tool Depth ft				Tail Pipe Size in			
Job Scheduled For Nov/15/2014		Arrived on Location Nov/15/2014 04:00		Leave Location Nov/15/2014 12:00		Collar Type Float				Tail Pipe Depth ft			
						Collar Depth 11683.0 ft				Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message							
11/15/2014	07:27:08	7	0.0	8.38	0.0	Started Acquisition							
11/15/2014	07:27:09	7	0.0	8.38	0.0	Start Job							
11/15/2014	07:27:10	6	0.0	8.38	0.0	Rig Up							
11/15/2014	07:27:11	6	0.0	8.38	0.0	Flush Lines							
11/15/2014	07:27:14	7	0.0	8.38	0.0	Pressure Test Lines							
11/15/2014	07:28:38	7	0.0	8.38	0.0								
11/15/2014	07:30:08	14	0.0	8.38	0.0								
11/15/2014	07:31:38	80	0.6	8.38	0.7								
11/15/2014	07:33:08	213	2.1	8.38	3.7								
11/15/2014	07:34:38	2903	0.0	8.37	5.2								
11/15/2014	07:36:00	673	0.0	8.38	5.2	Low 500 = Good							
11/15/2014	07:36:08	665	0.0	8.38	5.2								
11/15/2014	07:37:00	5129	0.0	8.38	5.3	High 5000 = Good							
11/15/2014	07:37:38	5060	0.0	8.38	5.3								
11/15/2014	07:39:08	48	0.0	8.38	5.3								
11/15/2014	07:40:38	45	0.0	8.38	5.3								
11/15/2014	07:42:08	46	0.0	8.38	5.3								
11/15/2014	07:43:07	149	1.6	10.65	6.9	Start Pumping Spacer							
11/15/2014	07:43:38	447	3.0	10.71	8.3								
11/15/2014	07:45:08	976	4.4	10.85	16.0								
11/15/2014	07:46:38	1079	4.3	10.94	24.1								

Well			Field		Job Start		Customer		Job Number	
Windsor LVG 14-H 14-H			Wattenberg		Nov/15/2014		Extraction		2058496	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/15/2014	07:48:08	1002	4.4	10.93	32.2					
11/15/2014	07:48:41	851	4.4	11.22	35.2	End Spacer				
11/15/2014	07:49:38	814	4.4	12.98	3.5					
11/15/2014	07:50:17	1022	4.4	13.22	7.0	Start Cement Slurry				
11/15/2014	07:50:18	1022	4.4	13.22	7.1	Start Mixing Lead Slurry				
11/15/2014	07:51:08	1394	5.1	13.40	11.8					
11/15/2014	07:51:50	1178	5.0	13.44	15.9	Pump 94 BBLs 13.5 PPG Slurry				
11/15/2014	07:52:38	1134	4.8	13.47	20.2					
11/15/2014	07:54:08	815	4.8	13.59	28.3					
11/15/2014	07:54:23	1043	4.8	13.60	29.7	Good Returns				
11/15/2014	07:55:38	549	4.9	13.63	36.5					
11/15/2014	07:57:08	453	4.9	13.61	44.6					
11/15/2014	07:58:38	462	4.9	13.60	52.7					
11/15/2014	08:00:08	643	4.9	13.60	60.8					
11/15/2014	08:01:38	601	4.9	13.57	68.9					
11/15/2014	08:03:08	551	4.9	13.56	77.0					
11/15/2014	08:04:38	525	4.9	13.62	85.1					
11/15/2014	08:06:08	120	2.4	13.60	93.0					
11/15/2014	08:07:38	138	2.2	13.51	96.5					
11/15/2014	08:09:08	126	2.3	13.50	100.1					
11/15/2014	08:10:38	256	3.7	13.49	104.1					
11/15/2014	08:12:08	238	3.7	13.23	109.9					
11/15/2014	08:12:41	28	0.0	13.32	111.0	End Lead Slurry				
11/15/2014	08:12:42	27	0.0	13.32	111.0	End Cement Slurry				
11/15/2014	08:12:43	27	0.0	13.32	111.0	Wash Pump To Pit				
11/15/2014	08:13:38	24	0.0	13.32	0.0					
11/15/2014	08:15:08	23	0.0	13.32	0.0					
11/15/2014	08:16:38	67	0.0	13.32	0.0					
11/15/2014	08:18:08	46	1.8	9.47	0.9					
11/15/2014	08:19:38	16	0.0	8.86	1.3					
11/15/2014	08:21:08	14	0.0	8.52	1.3					
11/15/2014	08:22:38	98	2.8	8.85	2.4					
11/15/2014	08:24:08	16	0.0	8.62	2.8					
11/15/2014	08:25:38	14	0.0	8.43	2.8					
11/15/2014	08:27:08	78	2.6	8.69	3.0					
11/15/2014	08:28:38	20	0.0	8.55	4.1					
11/15/2014	08:30:08	17	0.0	8.40	4.1					
11/15/2014	08:31:38	16	0.0	8.39	4.1					
11/15/2014	08:33:08	90	2.8	8.41	5.5					
11/15/2014	08:34:38	107	2.8	9.35	7.1					
11/15/2014	08:36:08	116	2.8	9.06	7.7					
11/15/2014	08:37:38	47	0.0	8.71	9.1					
11/15/2014	08:39:08	22	0.5	8.63	10.4					
11/15/2014	08:40:00	22	0.5	8.61	10.4	Drop Top Plug				
11/15/2014	08:40:38	65	0.0	0.02	0.0					
11/15/2014	08:42:00	30	0.0	0.03	3.5	Displace 136 BBLs H2O				
11/15/2014	08:42:08	29	0.0	0.00	3.6					
11/15/2014	08:43:38	99	2.9	8.41	4.9					
11/15/2014	08:44:00	101	3.0	8.40	5.4	Good Returns				
11/15/2014	08:45:08	416	6.7	8.37	11.4					
11/15/2014	08:46:38	312	6.8	8.38	22.6					
11/15/2014	08:48:08	1724	6.2	8.38	33.7					
11/15/2014	08:49:38	1019	4.9	8.37	43.8					
11/15/2014	08:51:08	1229	4.8	8.37	52.7					

Well			Field		Job Start	Customer		Job Number
Windsor LVG 14-H 14-H			Wattenberg		Nov/15/2014	Extraction		2058496
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/15/2014	08:54:08	472	1.9	8.37	64.7			
11/15/2014	08:55:38	787	2.5	8.37	68.2			
11/15/2014	08:57:08	950	2.5	8.37	72.0			
11/15/2014	08:57:26	940	2.5	8.37	72.8	Sheer Pins @ 1600 PSI		
11/15/2014	08:58:38	2037	5.6	8.37	77.7			
11/15/2014	09:00:08	2100	5.5	8.38	86.6			
11/15/2014	09:01:38	2154	5.5	8.37	95.4			
11/15/2014	09:03:08	2147	4.9	8.38	104.2			
11/15/2014	09:04:38	2182	5.3	8.37	113.0			
11/15/2014	09:06:08	2194	5.3	8.37	121.8			
11/15/2014	09:07:38	2202	4.9	8.37	130.4			
11/15/2014	09:09:08	1257	2.7	8.37	137.2			
11/15/2014	09:10:38	1274	2.7	8.37	141.5			
11/15/2014	09:12:08	1296	2.7	8.37	145.7			
11/15/2014	09:12:52	2103	1.5	8.37	147.7	Bump Top Plug To 2200 PSI		
11/15/2014	09:12:55	2281	0.6	8.37	147.8	End Displacement		
11/15/2014	09:13:38	2156	0.0	8.37	147.9			
11/15/2014	09:15:08	2223	0.0	8.38	147.9			
11/15/2014	09:15:29	1385	0.0	8.38	147.9	Floats Held 1 BBLS Back		
11/15/2014	09:16:07	28	0.0	8.38	147.9	Rig To Pressure Test Backside		
11/15/2014	09:16:38	28	0.0	8.38	147.9			
11/15/2014	09:18:08	27	0.0	8.38	147.9			
11/15/2014	09:19:38	27	0.0	8.38	147.9			
11/15/2014	09:21:08	27	0.0	8.38	147.9			
11/15/2014	09:22:38	26	0.0	8.38	147.9			
11/15/2014	09:24:08	25	0.0	8.38	147.9			
11/15/2014	09:25:38	25	0.0	8.38	147.9			
11/15/2014	09:27:08	25	0.0	8.38	147.9			
11/15/2014	09:28:38	24	0.0	8.39	147.9			
11/15/2014	09:30:08	23	0.0	8.39	147.9			
11/15/2014	09:31:38	23	0.0	8.39	147.9			
11/15/2014	09:33:08	23	0.0	8.39	147.9			
11/15/2014	09:34:38	22	0.0	8.39	147.9			
11/15/2014	09:36:00	23	0.0	8.39	147.9	Roll Hole		
11/15/2014	09:36:08	29	0.5	8.38	147.9			
11/15/2014	09:37:38	545	0.6	8.45	148.8			
11/15/2014	09:39:08	737	0.3	8.40	149.5			
11/15/2014	09:40:38	904	1.6	8.41	0.6			
11/15/2014	09:42:08	982	3.1	8.40	4.1			
11/15/2014	09:43:38	1235	0.0	0.01	9.9			
11/15/2014	09:45:08	1160	4.2	8.40	17.3			
11/15/2014	09:46:38	1136	4.2	8.38	24.8			
11/15/2014	09:48:08	1194	5.2	8.38	32.6			
11/15/2014	09:49:38	1394	6.1	8.39	42.5			
11/15/2014	09:51:08	1496	6.1	8.39	52.8			
11/15/2014	09:52:38	1469	6.1	8.39	63.1			
11/15/2014	09:54:08	1263	6.1	8.39	73.4			
11/15/2014	09:55:38	1389	6.2	8.39	83.7			
11/15/2014	09:57:08	1228	6.2	8.39	94.0			
11/15/2014	09:58:38	1348	6.1	8.39	104.3			
11/15/2014	10:00:08	1324	6.2	8.39	114.6			
11/15/2014	10:01:38	1258	6.1	8.39	124.9			
11/15/2014	10:03:08	1209	6.2	8.39	135.2			
11/15/2014	10:04:38	1018	6.2	8.39	145.5			

Well			Field		Job Start	Customer		Job Number	
Windsor LVG 14-H 14-H			Wattenberg		Nov/15/2014	Extraction		2058496	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/15/2014	10:07:38	974	6.1	8.40	166.1				
11/15/2014	10:09:08	938	6.1	8.40	176.4				
11/15/2014	10:10:38	926	6.2	8.40	186.7				
11/15/2014	10:12:08	28	0.6	8.49	197.0				
11/15/2014	10:13:38	38	0.0	0.00	202.5				
11/15/2014	10:15:08	112	0.0	0.00	205.1				
11/15/2014	10:16:38	34	0.0	8.39	206.6				
11/15/2014	10:18:08	26	0.0	8.39	206.6				
11/15/2014	10:19:38	25	0.0	8.41	206.6				
11/15/2014	10:21:08	25	0.0	8.41	206.6				
11/15/2014	10:22:38	25	0.0	8.41	206.6				
11/15/2014	10:24:08	25	0.0	8.41	206.6				
11/15/2014	10:25:38	25	0.0	8.40	206.6				
11/15/2014	10:27:08	25	0.0	8.40	206.6				
11/15/2014	10:27:58	24	0.0	8.40	206.6	15 BBLs Cement To Surface			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 4.5	N2	Mud	Maximum Rate 7.5		Total Slurry 94.0	Mud 0.0	Spacer 30.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 5170	Final 1300	Average 652	Bump Plug to 2200	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 94.0 bbl		Displacement 136.0 bbl		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 15.0 bbl		
						Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Shawn McIntire			Schlumberger Supervisor Conley Jensen/ Stacy Terry			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>			
						-	-			



# Service Quality Evaluation

Client:	Extraction
Field:	Wattenberg
Rig:	H&P 319
Well:	Windsor LVG 14-H
Service Line:	Cementing
Job Type:	4.5 Liner

Service Order #:	
Date:	Nov/15/2014
Operating Time (hh:mm):	00:00
Client Rep:	Shawn McIntire
Schlumberger Engineer:	Conley Jensen/ Stacy Terry
Schlumberger FSM:	

Main Objective:

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1c	Wellsite left clean	4	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

3	Execution				
3a	Lost time < 30 mins	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested successfully	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested successfully	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped as per design	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

Total 0%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: