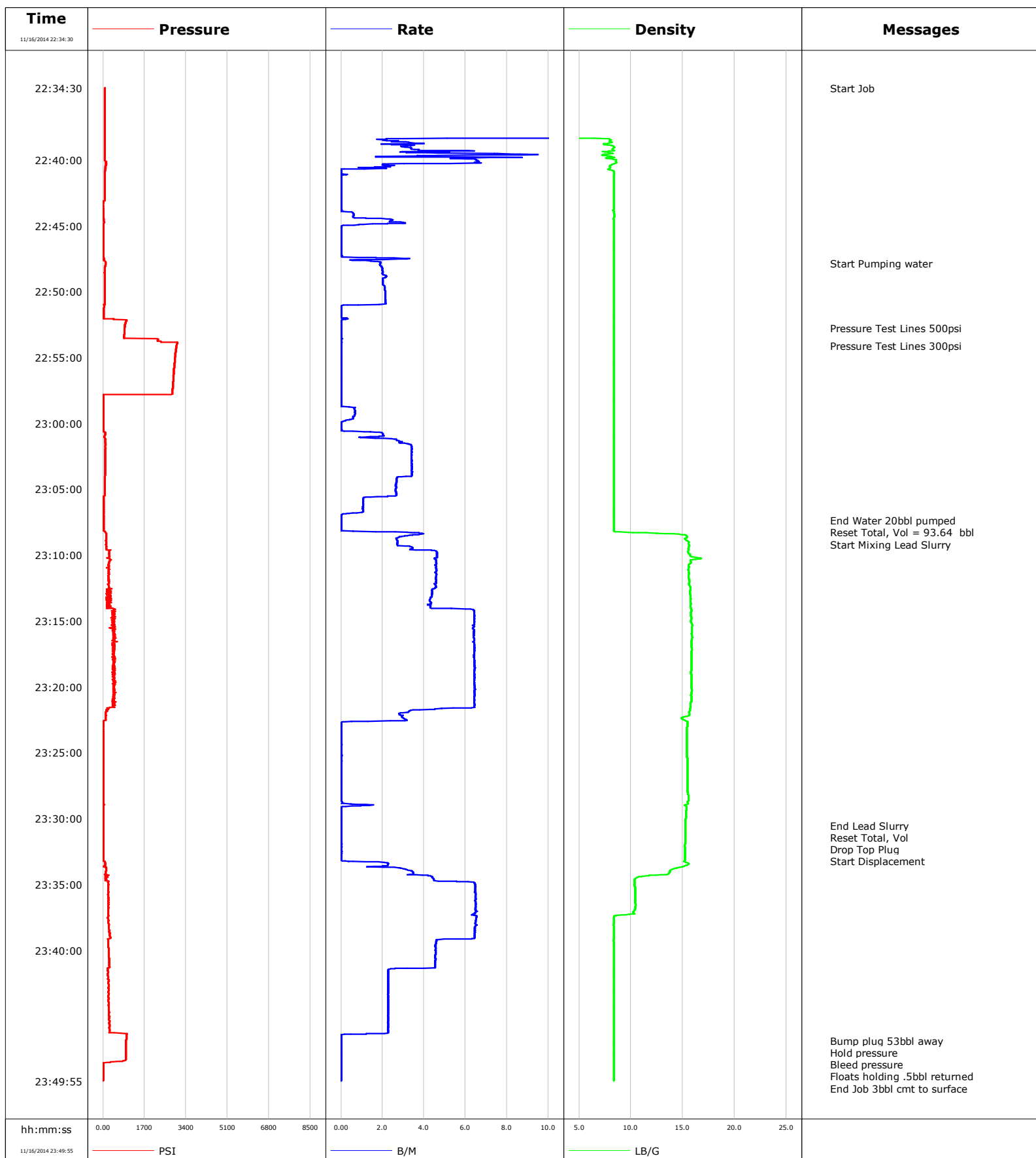


**Well** Windsor  
**Field** Wattenberg  
**Engineer** Chris Valerio/Charles Peavey  
**Country** United States

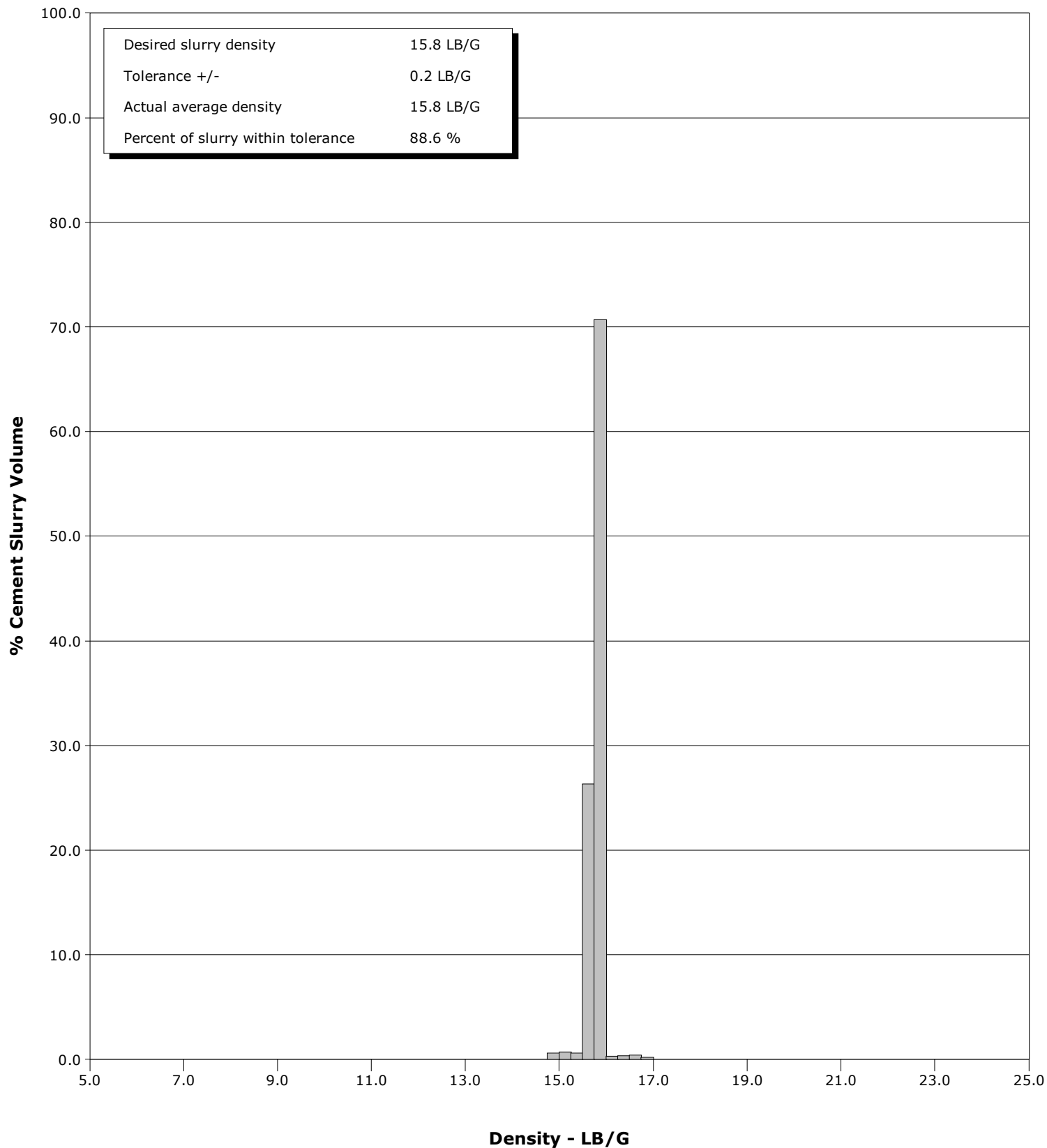
**Client** Extraction  
**SIR No.** D5VO-00045  
**Job Type** Surface  
**Job Date** 11-16-2014



**Well** Windsor  
**Field** Wattenberg  
**Engineer** Chris Valerio/Charles Peavey  
**Country** United States

**Client** Extraction  
**SIR No.** D5VO-00045  
**Job Type** Surface  
**Job Date** 11-16-2014

Cement Slurry - 11/16/2014 23:09:09 to 11/16/2014 23:30:30



# Cementing Service Report

				Customer Extraction			Job Number D5VO-00045			
Well Windsor LV F-14H			Location (legal)		Schlumberger Location			Job Start Nov/16/2014		
Field Wattenberg		Formation Name/Type Shale		Deviation deg	Bit Size 13.5 in		Well MD 728.0 ft			
County Weld		State/Province Colorado		BHP psi	BHST 88 degF		BHCT 80 degF			
Well Master 0631501172		API/UWI 05123381750000						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	Thread	
Offshore Zone	Well Class New		Well Type Development		728.0	9.6	36.0	H40	8RD	
					0.0	0.0	0.0			
Drilling Fluid Type Other		Max. Density lb/gal	Plastic Viscosity cP		Tubing/Drill Pipe					
					T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	
Service Line Cementing	Job Type Surface									
Max. Allowed Tub. Press 2500 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			Diameter in	
					ft	ft				
					Treat Down Casing		Displacement 52.8 bbl		Packer Type	
									Packer Depth ft	
					Tubing Vol. bbl		Casing Vol. 56.2 bbl		Annular Vol. 70.0 bbl	
									Openhole Vol. 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 360 psi				Shoe Type Float			Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 728.0 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/16/2014 18:00		Arrived on Location Nov/16/2014 18:00		Leave Location Nov/16/2014 23:00		Collar Type Float			Tail Pipe Depth ft	
						Collar Depth 683.9 ft			Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/16/2014	22:34:30	68	15.0	0.04	0.2	Started Acquisition				
11/16/2014	22:34:32	68	15.0	0.03	0.7	Start Job				
11/16/2014	22:39:30	68	7.4	8.28	62.5					
11/16/2014	22:44:30	37	2.4	8.34	68.6					
11/16/2014	22:47:49	102	1.9	8.37	70.4	Start Pumping water				
11/16/2014	22:49:30	66	2.0	8.36	73.8					
11/16/2014	22:52:47	889	0.0	8.36	77.0	Pressure Test Lines 500psi				
11/16/2014	22:54:06	3015	0.0	8.36	77.0	Pressure Test Lines 300psi				
11/16/2014	22:54:30	2982	0.0	8.36	77.0					
11/16/2014	22:59:30	6	0.6	8.36	77.5					
11/16/2014	23:04:30	68	2.7	8.35	89.5					
11/16/2014	23:07:21	24	0.0	8.35	93.6	End Water 20bbl pumped				
11/16/2014	23:07:36	23	0.0	8.35	93.6	Reset Total, Vol = 93.64 bbl				
11/16/2014	23:09:09	123	2.7	15.56	96.5	Start Mixing Lead Slurry				
11/16/2014	23:09:30	158	3.5	15.56	97.6					
11/16/2014	23:14:30	372	6.4	15.78	120.8					
11/16/2014	23:19:30	462	6.4	15.85	152.9					
11/16/2014	23:24:30	18	0.0	15.42	169.7					
11/16/2014	23:29:30	16	0.0	15.32	169.9					
11/16/2014	23:30:30	15	0.0	15.28	169.9	End Lead Slurry				
11/16/2014	23:30:35	16	0.0	15.27	169.9	Reset Total, Vol				

Well			Field		Job Start	Customer		Job Number	
Windsor LV F-14H			Wattenberg		Nov/16/2014	Extraction		D5VO-00045	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/16/2014	23:34:30	117	4.4	10.53	173.7				
11/16/2014	23:39:30	217	4.6	8.35	204.8				
11/16/2014	23:44:30	233	2.3	8.35	220.5				
11/16/2014	23:46:51	950	0.0	8.35	224.7	Bump plug 53bbl away			
11/16/2014	23:47:22	948	0.0	8.35	224.7	Hold pressure			
11/16/2014	23:48:15	942	0.0	8.35	224.7	Bleed pressure			
11/16/2014	23:49:05	6	0.0	8.35	224.7	Floats holding .5bbl returned			
11/16/2014	23:49:30	6	0.0	8.35	224.7				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.3	N2	Mud	Maximum Rate 6.0	Total Slurry 58.0	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 948	Final 948	Average 330	Bump Plug to 1000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 83.0 bbl		Displacement 54.7 bbl	Mix Water Temp 58 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 3.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To ft		
Customer or Authorized Representative Shawn McIntyre			Schlumberger Supervisor Chris Valerio/Charles Peavey			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-	-		