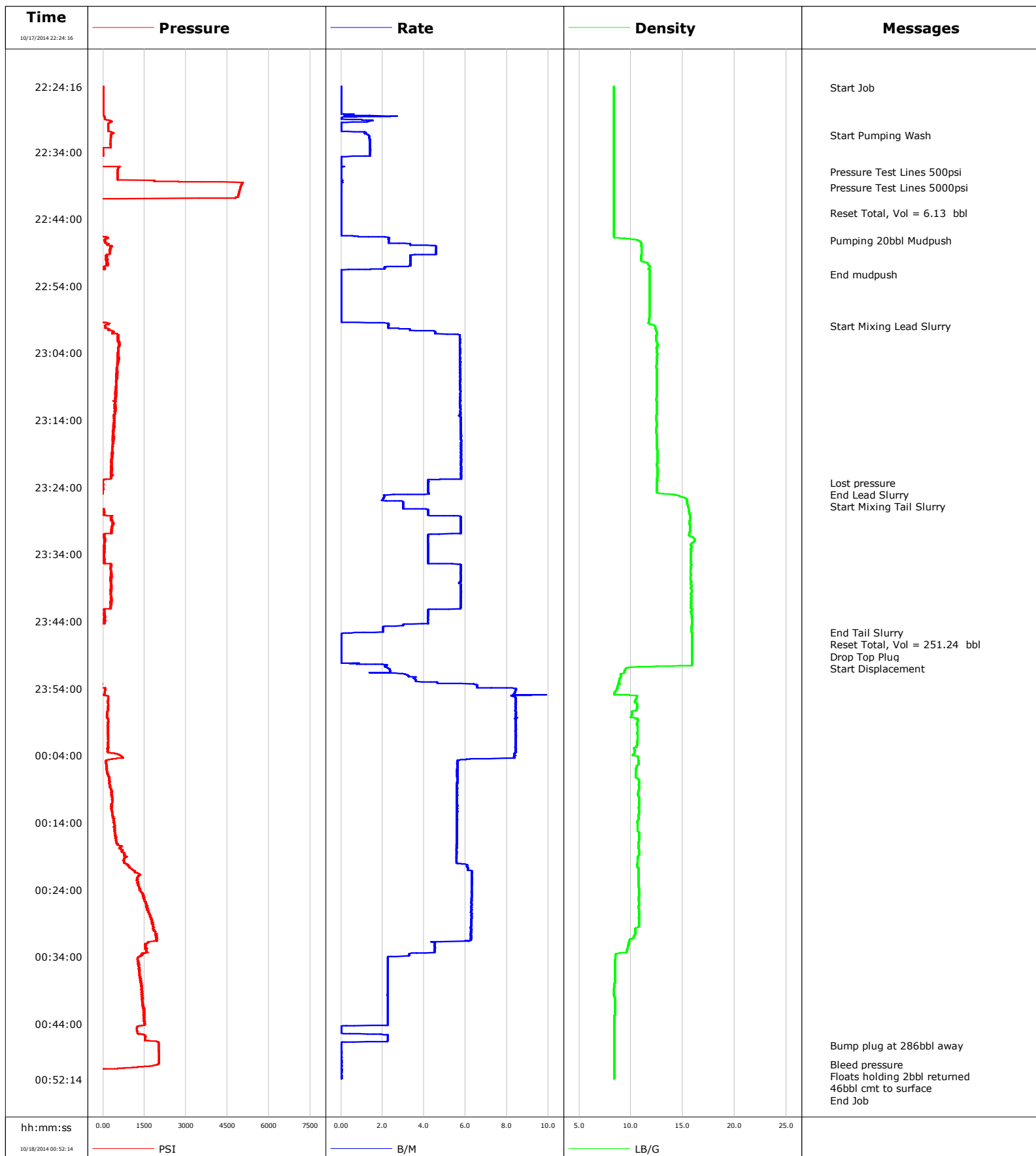


**Well** Nelson Farms  
**Field** Wattenberg  
**Engineer** Chris Valerio/Charles Peavey  
**Country** United States

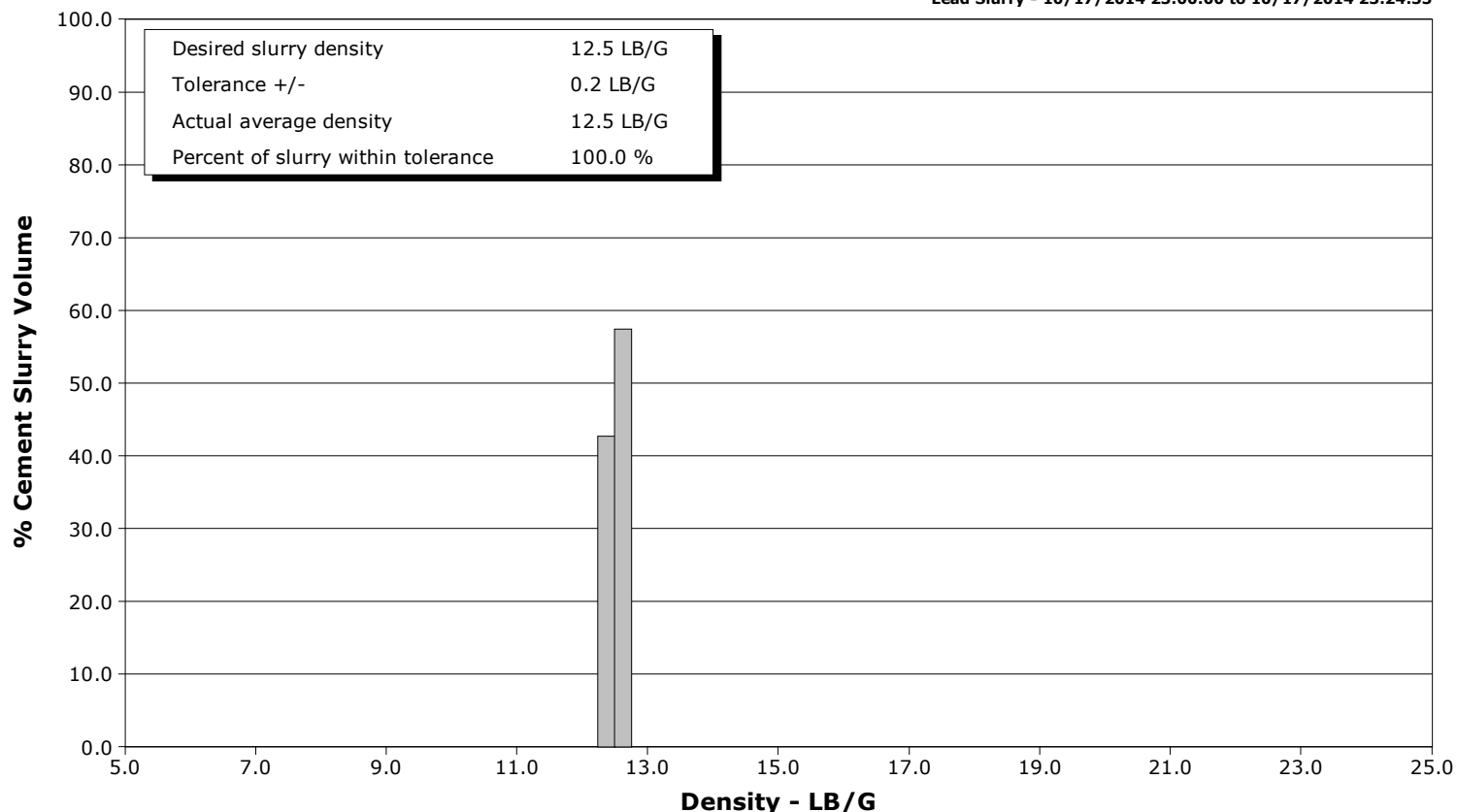
**Client** Extraction  
**SIR No.** D4RN-00028  
**Job Type** Intermediate  
**Job Date** 10-17-2014



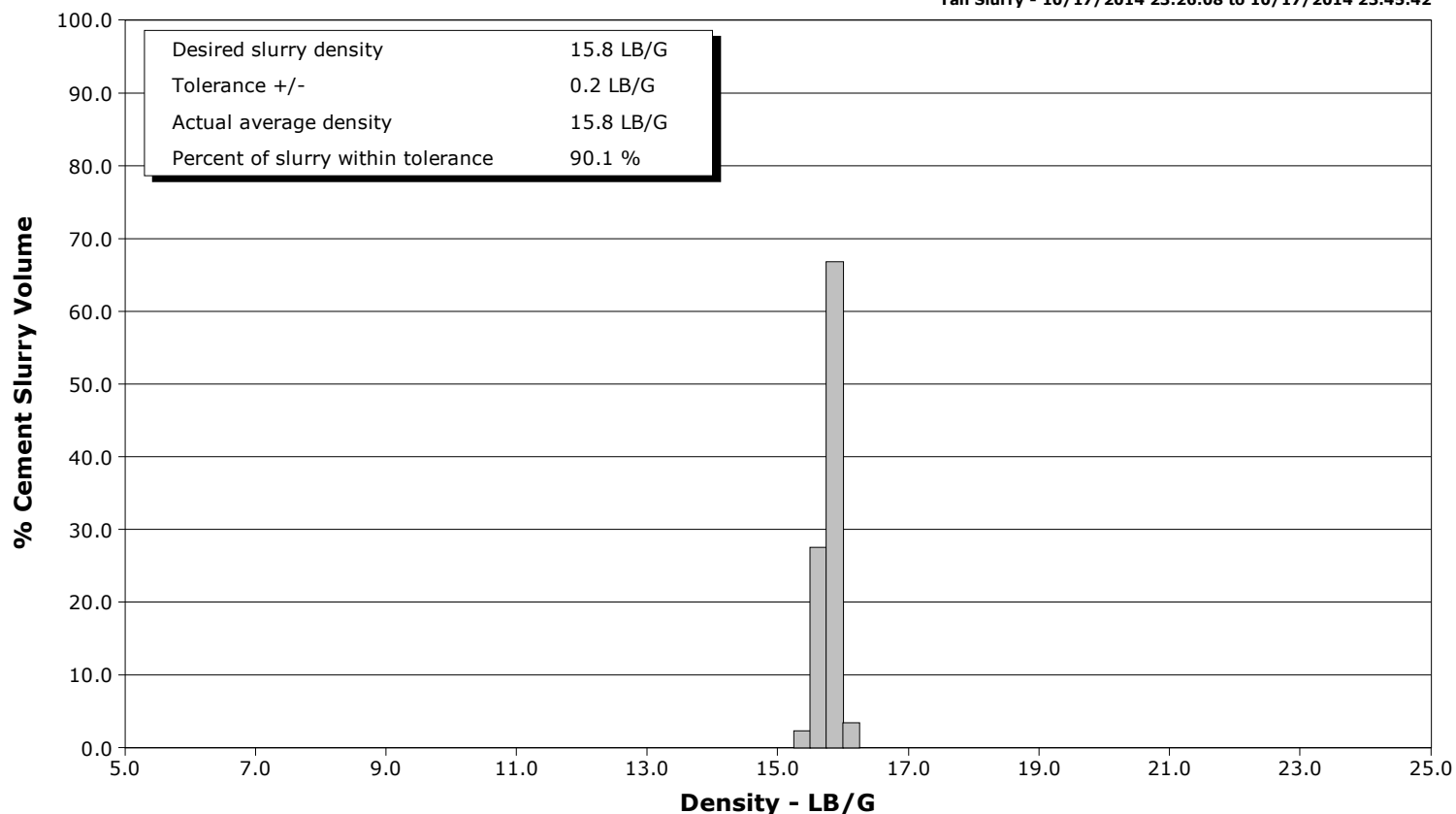
**Well** Nelson Farms  
**Field** Wattenberg  
**Engineer** Chris Valerio/Charles Peavey  
**Country** United States

**Client** Extraction  
**SIR No.** D4RN-00028  
**Job Type** Intermediate  
**Job Date** 10-17-2014

Lead Slurry - 10/17/2014 23:00:00 to 10/17/2014 23:24:33



Tail Slurry - 10/17/2014 23:26:08 to 10/17/2014 23:45:42



# Cementing Service Report

				Customer Extraction			Job Number D4RN-00028		
Well Nelson Farms #4			Location (legal)		Schlumberger Location			Job Start Oct/17/2014	
Field Wattenberg		Formation Name/Type Shale		Deviation deg	Bit Size 8.8 in		Well MD 7513.0 ft		
County Weld		State/Province Colorado		BHP psi	BHST 208 degF		BHCT 176 degF		
Well Master 0631578362		API/UWI 05-123-40004				Pore Press. Gradient lb/gal			
Rig Name Extreme #7	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	797.0	9.6	36.0	K55	8RD	
	7513.0	7.0	26.0	K55	8RD				
Drilling Fluid Type Other		Max. Density 10.00 lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe					
T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread				
Service Line Cementing	Job Type Intermediate								
Max. Allowed Tub. Press 4500 psi	Max. Allowed Ann. Press psi		WH Connection Double Cement head	Perforations/Open Hole					
	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft				
Service Instructions 5bbl Water 20bbl Mudpush 138bbl 490sks Lead CMT @ 12.5# 1.58 Yield 8.44 gal/sk water 93bbl 450sks Tail CMT @ 15.8# 1.16 Yield 5.09 gal/sk water	ft	ft							
	ft	ft			Diameter in				
	ft	ft							
Treat Down Casing		Displacement 286.0 bbl		Packer Type		Packer Depth ft			
Tubing Vol. bbl		Casing Vol. 287.7 bbl		Annular Vol. 203.0 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 5080 psi		Shoe Type Float		Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 7513.0 ft			Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Type			Tool Depth ft		
Cement Head Type Double		Stage Tool Depth ft		Tail Pipe Size in					
Job Scheduled For Oct/17/2014 21:30		Arrived on Location Oct/17/2014 21:00		Leave Location Oct/18/2014 02:00		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 7468.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/17/2014	22:24:16	4	0.0	8.37	0.0	Started Acquisition			
10/17/2014	22:24:26	4	0.0	8.37	0.0	Start Job			
10/17/2014	22:29:16	125	1.0	8.37	0.5				
10/17/2014	22:31:32	298	1.3	8.37	1.6	Start Pumping Wash			
10/17/2014	22:34:16	-5	1.4	8.37	5.4				
10/17/2014	22:37:00	529	0.0	8.37	6.1	Pressure Test Lines 500psi			
10/17/2014	22:39:16	4977	0.0	8.37	6.1				
10/17/2014	22:39:20	4972	0.0	8.37	6.1	Pressure Test Lines 5000psi			
10/17/2014	22:43:06	-161	0.0	8.37	6.1	Reset Total, Vol = 6.13 bbl			
10/17/2014	22:44:16	-159	0.0	8.37	6.1				
10/17/2014	22:47:14	68	2.3	10.67	7.4	Pumping 20bbl Mudpush			
10/17/2014	22:49:16	256	4.6	11.00	15.3				
10/17/2014	22:52:20	-125	0.0	11.81	22.6	End mudpush			
10/17/2014	22:54:16	-104	0.0	11.79	22.6				
10/17/2014	22:59:16	-78	0.0	11.76	22.6				
10/17/2014	23:00:00	78	2.3	12.30	23.7	Start Mixing Lead Slurry			
10/17/2014	23:04:16	554	5.7	12.53	45.5				
10/17/2014	23:09:16	491	5.7	12.50	74.2				
10/17/2014	23:14:16	413	5.8	12.48	102.9				
10/17/2014	23:19:16	316	5.8	12.54	131.8				
10/17/2014	23:23:21	-8	4.2	12.51	154.7	Lost pressure			

Well Nelson Farms #4			Field Wattenberg		Job Start Oct/17/2014		Customer Extraction		Job Number D4RN-00028	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/17/2014	23:24:33	-11	4.2	12.52	159.8	End Lead Slurry				
10/17/2014	23:26:08	-87	3.0	15.39	164.3	Start Mixing Tail Slurry				
10/17/2014	23:29:16	393	5.8	15.65	177.6					
10/17/2014	23:34:16	54	4.2	15.79	201.3					
10/17/2014	23:39:16	278	5.8	15.83	228.3					
10/17/2014	23:44:16	56	4.2	15.87	253.8					
10/17/2014	23:45:42	-268	1.1	15.87	257.3	End Tail Slurry				
10/17/2014	23:45:45	-269	0.4	15.91	257.4	Reset Total, Vol = 251.24 bbl				
10/17/2014	23:45:48	-279	0.1	15.90	257.4	Drop Top Plug				
10/17/2014	23:49:16	-274	0.0	15.87	257.4					
10/17/2014	23:54:16	76	8.4	8.62	273.0					
10/17/2014	23:59:16	173	8.4	10.57	315.1					
10/18/2014	00:04:16	702	8.4	10.71	357.1					
10/18/2014	00:09:16	308	5.6	10.75	385.8					
10/18/2014	00:14:16	403	5.6	10.63	413.7					
10/18/2014	00:19:16	793	5.6	10.66	441.6					
10/18/2014	00:24:16	1373	6.3	10.76	472.2					
10/18/2014	00:29:16	1821	6.3	10.77	503.7					
10/18/2014	00:34:16	1251	2.3	8.48	529.2					
10/18/2014	00:39:16	1415	2.2	8.37	540.5					
10/18/2014	00:44:16	1398	1.5	8.40	551.7					
10/18/2014	00:47:10	2007	0.0	8.40	554.4	Bump plug at 286bbl away				
10/18/2014	00:49:16	2029	0.0	8.39	554.4					
10/18/2014	00:50:04	1990	0.0	8.39	554.5	Bleed pressure				
10/18/2014	00:51:20	-261	0.0	8.38	554.5	Floats holding 2bbl returned				
10/18/2014	00:51:53	-261	0.0	8.38	554.5	46bbl cmt to surface				
10/18/2014	00:52:10	-261	0.0	8.38	554.5	End Job				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.2	N2	Mud	Maximum Rate 8.0		Total Slurry 231.0	Mud 0.0	Spacer 20.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2007	Final 2007	Average 709	Bump Plug to 1800	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 231.0 bbl	Displacement 286.0 bbl	Mix Water Temp 56 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 46.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To ft		
Customer or Authorized Representative Brandon Patch			Schlumberger Supervisor Chris Valerio/Charles Peavey			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-		