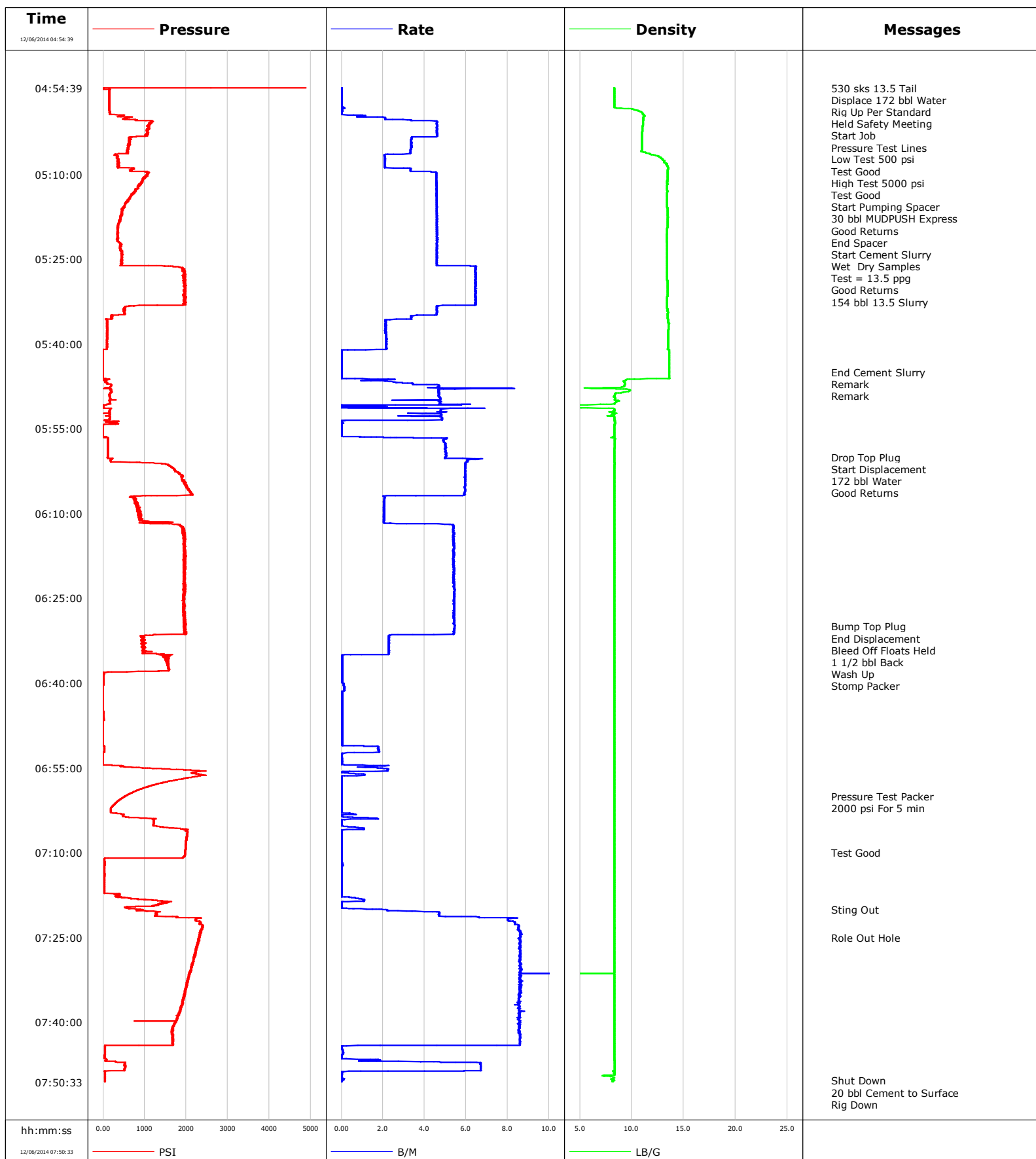


**Well** Nelson Farms #7  
**Field** Wattenberg  
**Engineer** Jordan Moreland / Greg Black  
**Country** United States

**Client** Extraction  
**SIR No.** D40W-00314  
**Job Type** 4 1/2 Liner  
**Job Date** 12-06-2014

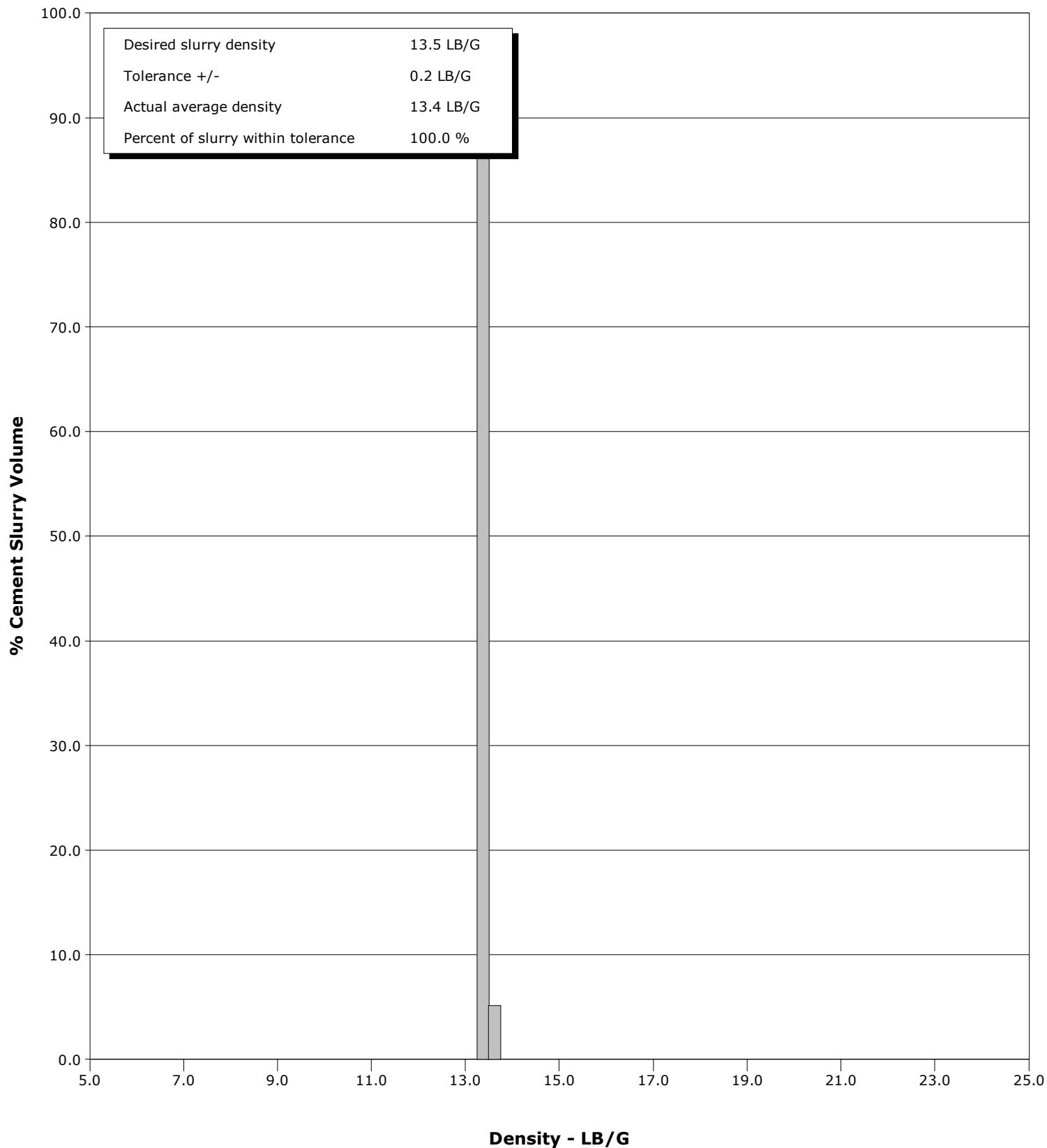


# Schlumberger Cementing Qa/Qc Density Report

**Well** Nelson Farms #7  
**Field** Wattenberg  
**Engineer** Jordan Moreland / Greg Black  
**Country** United States

**Client** Extraction  
**SIR No.** D40W-00314  
**Job Type** 4 1/2 Liner  
**Job Date** 12-06-2014

Cement Slurry - 12/06/2014 05:11:27 to 12/06/2014 05:44:59





# Cementing Service Report

				Customer Extraction		Job Number D40W-00314	
Well Nelson Farms #7			Location (legal)		Schlumberger Location CWY		Job Start Dec/06/2014
Field Wattenberg		Formation Name/Type		Deviation	Bit Size 6.1 in	Well MD	Well TVD
County Weld		State/Province Colorado		BHP	BHST 211 degF	BHCT 211 degF	Pore Press. Gradient
Well Master		API/UWI					
Rig Name Xtreme 7		Drilled For Oil	Service Via Land	Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone		Well Class New	Well Type Development	14718.0	4.500	13.5	P110
				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 4 1/2 Liner					
Max. Allowed Tub. Press 2800 psi		Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole			
				Top,	Bottom,	No. of Shots	Total Interval
							Diameter
				Treat Down Casing	Displacement 172.0 bbl	Packer Type	Packer Depth
				Tubing Vol.	Casing Vol. 173.0 bbl	Annular Vol. 119.0 bbl	Openhole Vol. 450.0 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 14718.0 ft		Tool Type	
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth	
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size	
Job Scheduled For Dec/06/2014		Arrived on Location Dec/06/2014	Leave Location Dec/06/2014	Collar Type Float		Tail Pipe Depth	
				Collar Depth 14670.0 ft		Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
12/06/2014	03:31:35					Started Acquisition	
12/06/2014	04:54:38					30 bbl MUDPUSH Express	
12/06/2014	04:54:39					530 sks 13.5 Tail	
12/06/2014	04:54:39					Displace 172 bbl Water	
12/06/2014	04:54:39					Rig Up Per Standard	
12/06/2014	04:54:39	4888	0.0	8.33	0.0		
12/06/2014	04:54:40					Held Safety Meeting	
12/06/2014	04:54:40	4888	0.0	8.33	0.0		
12/06/2014	04:54:42					Start Job	
12/06/2014	04:54:42	12	0.0	8.33	0.0		
12/06/2014	04:54:45					Pressure Test Lines	
12/06/2014	04:54:45	1	0.0	8.33	0.0		
12/06/2014	04:54:46					Low Test 500 psi	
12/06/2014	04:54:46	1	0.0	8.33	0.0		
12/06/2014	04:54:47					Test Good	
12/06/2014	04:54:47					High Test 5000 psi	
12/06/2014	04:54:47					Test Good	
12/06/2014	04:54:47	1	0.0	8.33	0.0		
12/06/2014	04:54:50					Start Pumping Spacer	
12/06/2014	04:54:50	0	0.0	8.33	0.0		
12/06/2014	04:54:52					30 bbl MUDPUSH Express	

Well			Field		Job Start		Customer		Job Number	
Nelson Farms #7			Wattenberg		Dec/06/2014		Extraction		D40W-00314	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
12/06/2014	04:54:52	-0	0.0	8.33	0.0					
12/06/2014	04:55:35	144	0.0	8.33	0.0					
12/06/2014	04:57:35	146	0.0	8.33	0.0					
12/06/2014	04:59:35	477	1.0	11.21	0.1					
12/06/2014	05:01:35	1106	4.6	11.04	7.0					
12/06/2014	05:03:35	647	3.4	10.99	15.9					
12/06/2014	05:05:35	619	3.3	10.98	22.6					
12/06/2014	05:07:35	354	2.1	13.15	27.8					
12/06/2014	05:09:35	1024	4.5	13.45	32.9					
12/06/2014	05:11:26					End Spacer				
12/06/2014	05:11:26	935	4.6	13.43	41.4					
12/06/2014	05:11:27					Start Cement Slurry				
12/06/2014	05:11:27	941	4.6	13.43	41.5					
12/06/2014	05:11:28					Wet Dry Samples				
12/06/2014	05:11:28	941	4.6	13.43	41.5					
12/06/2014	05:11:29					Test = 13.5 ppg				
12/06/2014	05:11:29					Good Returns				
12/06/2014	05:11:29	943	4.6	13.43	41.6					
12/06/2014	05:11:30					154 bbl 13.5 Slurry				
12/06/2014	05:11:30	916	4.6	13.42	41.7					
12/06/2014	05:11:35	927	4.6	13.43	42.1					
12/06/2014	05:13:35	712	4.6	13.42	51.2					
12/06/2014	05:15:35	507	4.6	13.42	60.4					
12/06/2014	05:17:35	422	4.6	13.48	69.6					
12/06/2014	05:19:35	362	4.6	13.42	78.8					
12/06/2014	05:21:35	341	4.6	13.38	88.0					
12/06/2014	05:23:35	456	4.6	13.41	97.2					
12/06/2014	05:25:35	459	4.6	13.40	106.4					
12/06/2014	05:27:35	1969	6.5	13.41	118.2					
12/06/2014	05:29:35	1978	6.5	13.46	131.1					
12/06/2014	05:31:35	1960	6.5	13.43	144.0					
12/06/2014	05:33:35	529	4.6	13.40	156.2					
12/06/2014	05:35:35	222	3.4	13.47	164.5					
12/06/2014	05:37:35	102	2.1	13.52	168.9					
12/06/2014	05:39:35	98	2.2	13.50	173.2					
12/06/2014	05:41:35	-11	0.0	13.60	176.3					
12/06/2014	05:43:35	-9	0.0	13.61	176.3					
12/06/2014	05:44:59					End Cement Slurry				
12/06/2014	05:44:59	-11	0.0	13.61	176.3					
12/06/2014	05:45:03					Remark				
12/06/2014	05:45:03	-11	0.0	13.61	176.3					
12/06/2014	05:45:04					Remark				
12/06/2014	05:45:04	-12	0.0	13.61	176.3					
12/06/2014	05:45:35	-11	0.0	13.61	176.3					
12/06/2014	05:47:35	180	4.7	9.23	180.7					
12/06/2014	05:49:35	167	4.8	8.38	190.5					
12/06/2014	05:51:35	159	4.8	8.33	197.5					
12/06/2014	05:53:35	71	0.0	8.36	206.5					
12/06/2014	05:55:35	-7	0.0	8.32	206.6					
12/06/2014	05:57:35	112	5.0	8.35	211.7					
12/06/2014	05:59:35	113	5.0	8.32	221.8					
12/06/2014	06:00:00					Drop Top Plug				
12/06/2014	06:00:00					Start Displacement				
12/06/2014	06:00:00					172 bbl Water				

Well			Field		Job Start		Customer		Job Number	
Nelson Farms #7			Wattenberg		Dec/06/2014		Extraction		D40W-00314	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
12/06/2014	06:00:00	115	5.0	8.32	223.9					
12/06/2014	06:01:35	1588	5.9	8.33	233.2					
12/06/2014	06:03:35	1902	6.0	8.32	245.1					
12/06/2014	06:05:35	2064	5.9	8.32	257.0					
12/06/2014	06:07:35	755	2.1	8.32	265.9					
12/06/2014	06:09:35	872	2.0	8.32	270.0					
12/06/2014	06:11:35	956	2.0	8.32	274.1					
12/06/2014	06:13:35	1975	5.4	8.32	284.0					
12/06/2014	06:15:35	1937	5.4	8.32	294.8					
12/06/2014	06:17:35	1953	5.4	8.32	305.6					
12/06/2014	06:19:35	1958	5.4	8.32	316.4					
12/06/2014	06:21:35	1979	5.4	8.32	327.2					
12/06/2014	06:23:35	1971	5.4	8.32	338.1					
12/06/2014	06:25:35	1945	5.4	8.32	348.9					
12/06/2014	06:27:35	1936	5.4	8.32	359.7					
12/06/2014	06:29:35	1988	5.4	8.32	370.6					
12/06/2014	06:30:00					Bump Top Plug				
12/06/2014	06:30:00					End Displacement				
12/06/2014	06:30:00					Bleed Off Floats Held				
12/06/2014	06:30:00					1 1/2 bbl Back				
12/06/2014	06:30:00					Wash Up				
12/06/2014	06:30:00	1938	5.4	8.32	372.8					
12/06/2014	06:31:35	1010	2.3	8.32	381.0					
12/06/2014	06:33:35	977	2.3	8.32	385.5					
12/06/2014	06:35:35	1574	0.0	8.32	388.7					
12/06/2014	06:37:35	1585	0.0	8.32	388.8					
12/06/2014	06:39:35	-1	0.0	8.32	388.8					
12/06/2014	06:40:00					Stomp Packer				
12/06/2014	06:40:00	3	0.1	8.32	388.8					
12/06/2014	06:41:35	-4	0.0	8.33	389.0					
12/06/2014	06:43:35	-4	0.0	8.33	389.1					
12/06/2014	06:45:35	-0	0.0	8.33	389.1					
12/06/2014	06:47:35	-5	0.0	8.33	389.2					
12/06/2014	06:49:35	-4	0.0	8.32	389.3					
12/06/2014	06:51:35	33	1.8	8.32	390.1					
12/06/2014	06:53:35	-6	0.0	8.33	391.5					
12/06/2014	06:55:35	2346	2.2	8.32	393.5					
12/06/2014	06:57:35	1460	0.0	8.32	394.1					
12/06/2014	06:59:35	642	0.0	8.33	394.1					
12/06/2014	07:00:00					Pressure Test Packer				
12/06/2014	07:00:00					2000 psi For 5 min				
12/06/2014	07:00:00	539	0.0	8.33	394.1					
12/06/2014	07:01:35	254	0.0	8.33	394.1					
12/06/2014	07:03:35	468	0.0	8.33	394.3					
12/06/2014	07:05:35	1547	0.8	8.32	395.0					
12/06/2014	07:07:35	2005	0.0	8.33	395.3					
12/06/2014	07:09:35	1976	0.0	8.33	395.3					
12/06/2014	07:10:00					Test Good				
12/06/2014	07:10:00	1970	0.0	8.33	395.3					
12/06/2014	07:11:35	35	0.0	8.32	395.3					
12/06/2014	07:13:35	35	0.0	8.32	395.4					
12/06/2014	07:15:35	34	0.0	8.32	395.4					
12/06/2014	07:17:35	307	0.0	8.32	395.4					
12/06/2014	07:19:35	575	0.0	8.32	396.2					

Well			Field		Job Start		Customer		Job Number	
Nelson Farms #7			Wattenberg		Dec/06/2014		Extraction		D40W-00314	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
12/06/2014	07:20:00	794	1.5	8.32	396.3					
12/06/2014	07:21:35	2343	8.5	8.32	403.4					
12/06/2014	07:23:35	2378	8.6	8.33	420.1					
12/06/2014	07:25:00					Role Out Hole				
12/06/2014	07:25:00	2307	8.6	8.32	432.3					
12/06/2014	07:25:35	2311	8.6	8.32	437.3					
12/06/2014	07:27:35	2218	8.6	8.32	454.5					
12/06/2014	07:29:35	2143	8.6	8.32	471.7					
12/06/2014	07:31:35	2075	8.6	8.32	490.3					
12/06/2014	07:33:35	2016	8.6	8.32	507.5					
12/06/2014	07:35:35	1948	8.5	8.32	524.7					
12/06/2014	07:37:35	1860	8.6	8.32	541.8					
12/06/2014	07:39:35	1781	8.5	8.32	559.0					
12/06/2014	07:41:35	1679	8.6	8.32	576.1					
12/06/2014	07:43:35	1663	8.6	8.32	593.3					
12/06/2014	07:45:35	43	0.1	8.31	597.8					
12/06/2014	07:47:35	521	6.7	8.34	602.5					
12/06/2014	07:49:35	38	0.0	8.09	609.7					
12/06/2014	07:50:22					Shut Down				
12/06/2014	07:50:22					20 bbl Cement to Surface				
12/06/2014	07:50:22	37	0.0	8.27	609.7					
12/06/2014	07:50:23					Rig Down				
12/06/2014	07:50:23	37	0.0	8.19	609.7					
12/06/2014	07:50:26					End Job				
12/06/2014	07:50:26	37	0.0	8.11	609.7					

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 55 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume
						Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative			Schlumberger Supervisor Jordan Moreland / Greg Black			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-