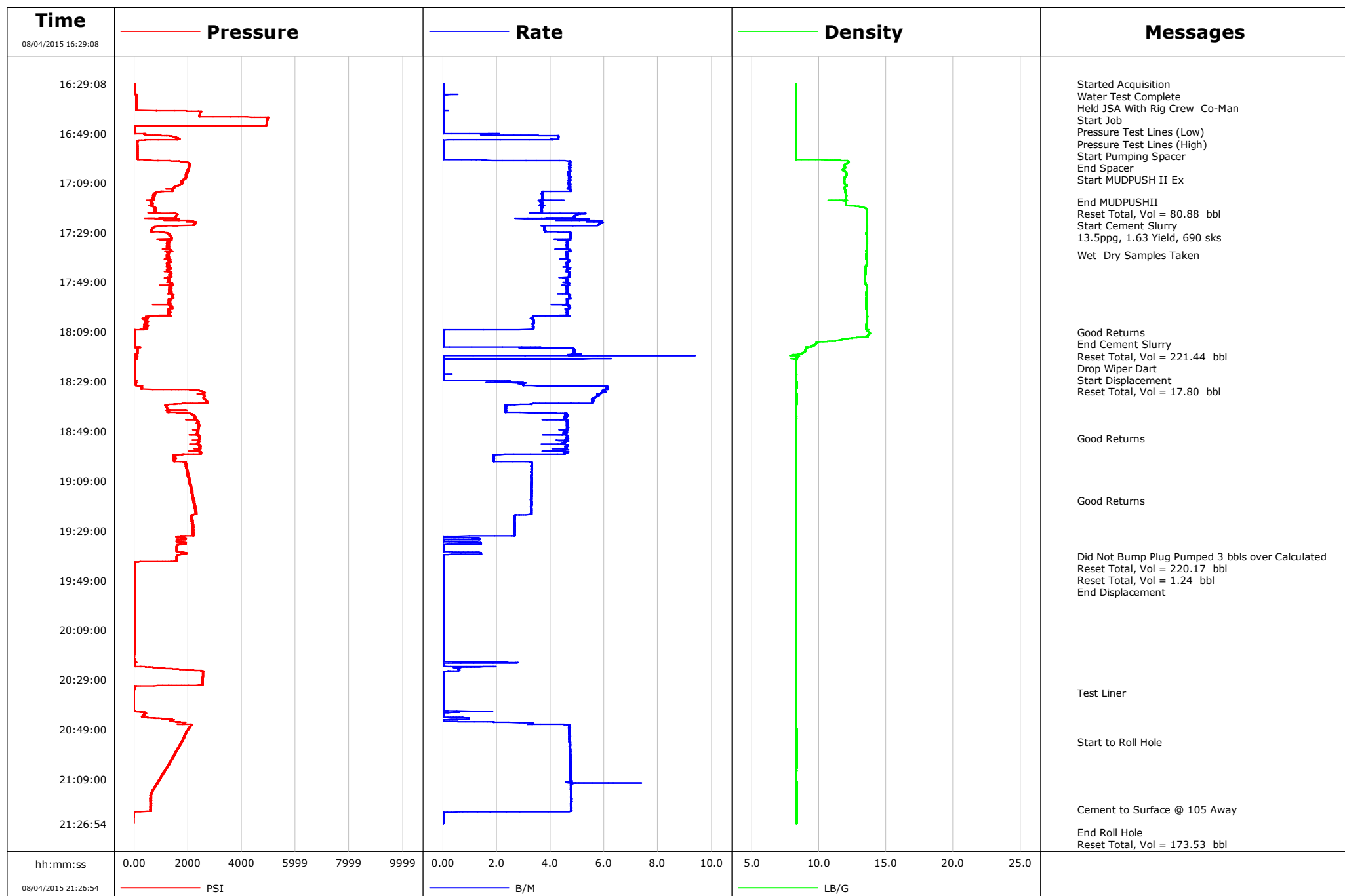


Well Viper Pyro 26N2-14HZ
Field Wattenberg
Engineer Wayne Silvester/Jesse Warmoth
Country United States

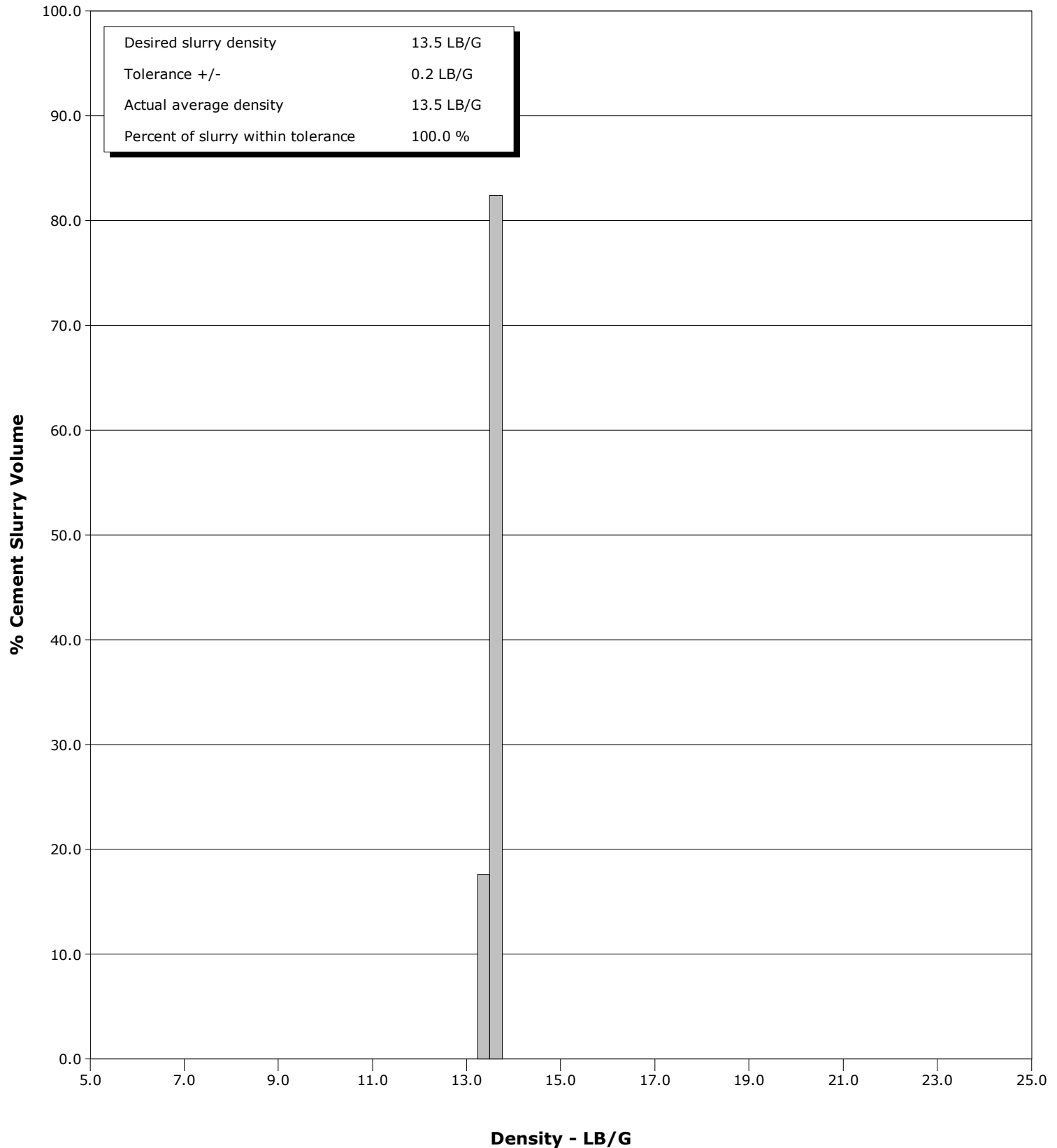
Client Anadarko
SIR No. D2IK-01189
Job Type Liner
Job Date 08-04-2015



Well Viper Pyro
Field Wattenberg
Engineer Wayne Silvester/Jesse Warmoth
Country United States

Client Anadarko
SIR No. D2IK-01189
Job Type Liner
Job Date 08-04-2015

Cement Slurry - 08/04/2015 17:20:05 to 08/04/2015 18:08:02



Cementing Service Report

				Customer Anadarko			Job Number D2IK-01189	
Well Viper Pyro 26N2-14HZ			Location (legal) 217304		Schlumberger Location Cheyenne		Job Start Aug/04/2015	
Field Wattenberg		Formation Name/Type Shale		Deviation deg	Bit Size 6.1 in	Well MD ft		Well TVD ft
County Weld		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal	
Well Master 0631633574		API/UWI 05123414270000						
Rig Name Precision 462	Drilled For Oil & Gas	Service Via Land	Casing/ Liner					
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class New	Well Type Other	10664.5	4.5	11.6	N/A	N/A	
			0.0	0.0	0.0			
Drilling Fluid Type LT OBM		Max. Density 10.30 lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe				
				T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
					2819.7	4.5	20.0	N/A
					3416.8	4.0	14.0	N/A
Service Line Cementing	Job Type Liner	WH Connection 1502	Perforations/Open Hole					
			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
			ft	ft			ft	
			ft	ft			Diameter	
			ft	ft			in	
			Treat Down Drill Pipe	Displacement 218.0 bbl	Packer Type	Packer Depth ft		
			Tubing Vol. bbl	Casing Vol. 219.4 bbl	Annular Vol. 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 2250 psi			Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 16901.0 ft			Tool Type		
No. Centralizers	Top Plugs 1	Bottom Plugs	Stage Tool Type			Tool Depth ft		
Cement Head Type 3RD party			Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Aug/04/2015	Arrived on Location Aug/04/2015	Leave Location Aug/04/2015	Collar Type Float			Tail Pipe Depth ft		
			Collar Depth 16809.5 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_PRESS PSI	Message		
08/04/2015	16:29:08	0.0	8.32	1.4	12	Started Acquisition		
08/04/2015	16:29:34	0.0	8.32	1.4	12	Water Test Complete		
08/04/2015	16:30:29	0.0	8.32	1.4	13	Start Job		
08/04/2015	16:34:09	0.0	8.32	1.4	80			
08/04/2015	16:39:10	0.0	8.32	1.4	78			
08/04/2015	16:40:39	0.0	8.32	1.4	2460	Pressure Test Lines (Low)		
08/04/2015	16:42:40	0.0	8.32	1.4	5012	Pressure Test Lines (High)		
08/04/2015	16:44:11	0.0	8.32	1.4	4957			
08/04/2015	16:49:12	0.0	8.32	1.4	79			
08/04/2015	16:53:42	0.0	8.32	0.0	115	Start Pumping Spacer		
08/04/2015	16:54:13	0.0	8.32	0.0	121			
08/04/2015	16:58:42	0.0	8.32	0.0	122	End Spacer		
08/04/2015	16:59:14	0.0	8.32	0.0	123			
08/04/2015	16:59:32	0.0	8.32	0.0	128	Start MUDPUSH II Ex		
08/04/2015	17:04:15	4.7	11.88	20.4	1994			
08/04/2015	17:09:16	4.7	11.89	44.0	1797			
08/04/2015	17:14:17	3.7	12.02	65.8	749			
08/04/2015	17:16:33	3.6	11.98	74.2	658	End MUDPUSHII		
08/04/2015	17:17:45	3.6	12.00	78.6	684	Reset Total, Vol = 80.88 bbl		
08/04/2015	17:19:18	3.7	13.49	2.6	798			
08/04/2015	17:20:05	3.7	13.55	5.4	806	Start Cement Slurry		

Well			Field		Job Start		Customer		Job Number	
Viper Pyro 26N2-14HZ			Wattenberg		Aug/04/2015		Anadarko		D2IK-01189	
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_PRESS PSI	Message				
08/04/2015	17:29:20	4.7	13.52	48.1	1244					
08/04/2015	17:33:24	4.6	13.57	67.2	1293	Wet Dry Samples Taken				
08/04/2015	17:34:21	4.6	13.54	71.6	1260					
08/04/2015	17:39:22	4.6	13.50	94.8	1285					
08/04/2015	17:44:23	4.6	13.46	118.0	1285					
08/04/2015	17:49:24	4.7	13.44	141.4	1346					
08/04/2015	17:54:25	4.7	13.53	164.6	1471					
08/04/2015	17:59:26	4.7	13.51	187.9	1375					
08/04/2015	18:04:16	3.4	13.58	208.1	402	Good Returns				
08/04/2015	18:04:27	3.4	13.58	208.7	493					
08/04/2015	18:08:02	3.3	13.50	220.8	185	End Cement Slurry				
08/04/2015	18:08:07	1.5	13.74	221.0	27	Reset Total, Vol = 221.44 bbl				
08/04/2015	18:08:38	0.0	13.60	0.0	17	Drop Wiper Dart				
08/04/2015	18:08:39	0.0	13.60	0.0	17	Start Displacement				
08/04/2015	18:09:28	0.0	13.70	0.0	17					
08/04/2015	18:14:29	0.0	9.65	0.0	4					
08/04/2015	18:19:30	0.0	8.36	16.4	14					
08/04/2015	18:24:31	0.0	8.32	0.0	4					
08/04/2015	18:28:14	0.0	8.32	0.0	10	Reset Total, Vol = 17.80 bbl				
08/04/2015	18:29:32	3.0	8.36	2.2	82					
08/04/2015	18:34:33	5.8	8.32	28.6	2634					
08/04/2015	18:39:34	2.3	8.32	51.4	1222					
08/04/2015	18:44:35	4.6	8.32	69.8	2292					
08/04/2015	18:47:18	4.6	8.32	82.3	2374	Good Returns				
08/04/2015	18:49:36	4.6	8.32	92.9	2376					
08/04/2015	18:54:37	4.6	8.32	115.7	2446					
08/04/2015	18:59:38	1.9	8.32	135.0	1471					
08/04/2015	19:04:39	3.3	8.32	149.2	1987					
08/04/2015	19:09:40	3.3	8.32	165.7	2074					
08/04/2015	19:12:20	3.3	8.32	174.5	2150	Good Returns				
08/04/2015	19:14:41	3.3	8.32	182.2	2192					
08/04/2015	19:19:42	3.3	8.31	198.7	2300					
08/04/2015	19:24:43	2.7	8.31	213.8	2140					
08/04/2015	19:29:44	2.7	8.31	227.1	2203					
08/04/2015	19:34:27	1.4	8.31	233.1	1877	Did Not Bump Plug Pumped 3 bbls over Calculated				
08/04/2015	19:34:45	0.0	8.31	233.2	1621					
08/04/2015	19:36:54	0.0	8.31	233.2	1578	Reset Total, Vol = 220.17 bbl				
08/04/2015	19:38:53	0.0	8.31	234.4	1615	Reset Total, Vol = 1.24 bbl				
08/04/2015	19:38:55	0.0	8.31	234.4	1618	End Displacement				
08/04/2015	19:39:46	0.0	8.31	234.4	1585					
08/04/2015	19:44:47	0.0	8.31	0.0	3					
08/04/2015	19:49:48	0.0	8.31	0.0	4					
08/04/2015	19:54:49	0.0	8.31	0.0	4					
08/04/2015	19:59:50	0.0	8.31	0.0	3					
08/04/2015	20:04:51	0.0	8.31	0.0	3					
08/04/2015	20:09:52	0.0	8.31	0.0	3					
08/04/2015	20:14:53	0.0	8.32	0.0	1					
08/04/2015	20:19:54	0.0	8.32	0.0	-2					
08/04/2015	20:24:55	0.6	8.31	1.9	1799					
08/04/2015	20:29:17	0.0	8.31	2.3	2553	Test Liner				
08/04/2015	20:29:56	0.0	8.31	2.3	2551					
08/04/2015	20:34:57	0.0	8.31	2.3	-3					
08/04/2015	20:39:58	0.0	8.32	2.3	-4					
08/04/2015	20:44:59	0.9	8.31	3.5	1350					

Well			Field		Job Start	Customer		Job Number
Viper Pyro 26N2-14HZ			Wattenberg		Aug/04/2015	Anadarko		D2IK-01189
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_PRESS PSI	Message		
08/04/2015	20:50:00	4.7	8.33	20.9	1962			
08/04/2015	20:55:01	4.7	8.33	44.5	1723			
08/04/2015	21:00:02	4.7	8.33	68.2	1457			
08/04/2015	21:05:03	4.7	8.32	91.9	1184			
08/04/2015	21:10:04	4.7	8.33	115.7	893			
08/04/2015	21:15:05	4.8	8.33	139.7	621			
08/04/2015	21:16:26	4.8	8.33	146.1	618	Cement to Surface @ 105 Away		
08/04/2015	21:20:06	4.8	8.33	163.6	627			
08/04/2015	21:25:07	0.0	8.33	0.0	-16			
08/04/2015	21:25:37	0.0	8.33	0.0	-17	End Roll Hole		
08/04/2015	21:25:40	0.0	8.33	0.0	-17	Reset Total, Vol = 173.53 bbl		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 4.1	N2	Mud	Maximum Rate 8.4	Total Slurry 221.1	Mud 0.0	Spacer 80.4	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 5012	Final -17	Average 1182	Bump Plug to 2900	Breakdown	Type	Volume bbl	Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 198.0 bbl	Displacement 221.7 bbl	Mix Water Temp 78 degF	Cement Circulated to Surface?		<input checked="" type="checkbox"/>	Volume 25.0 bbl				
				Washed Thru Perfs		<input type="checkbox"/>	To ft				
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed <input checked="" type="checkbox"/>				
			Wayne Silvester/Jesse Warmoth			-	-				