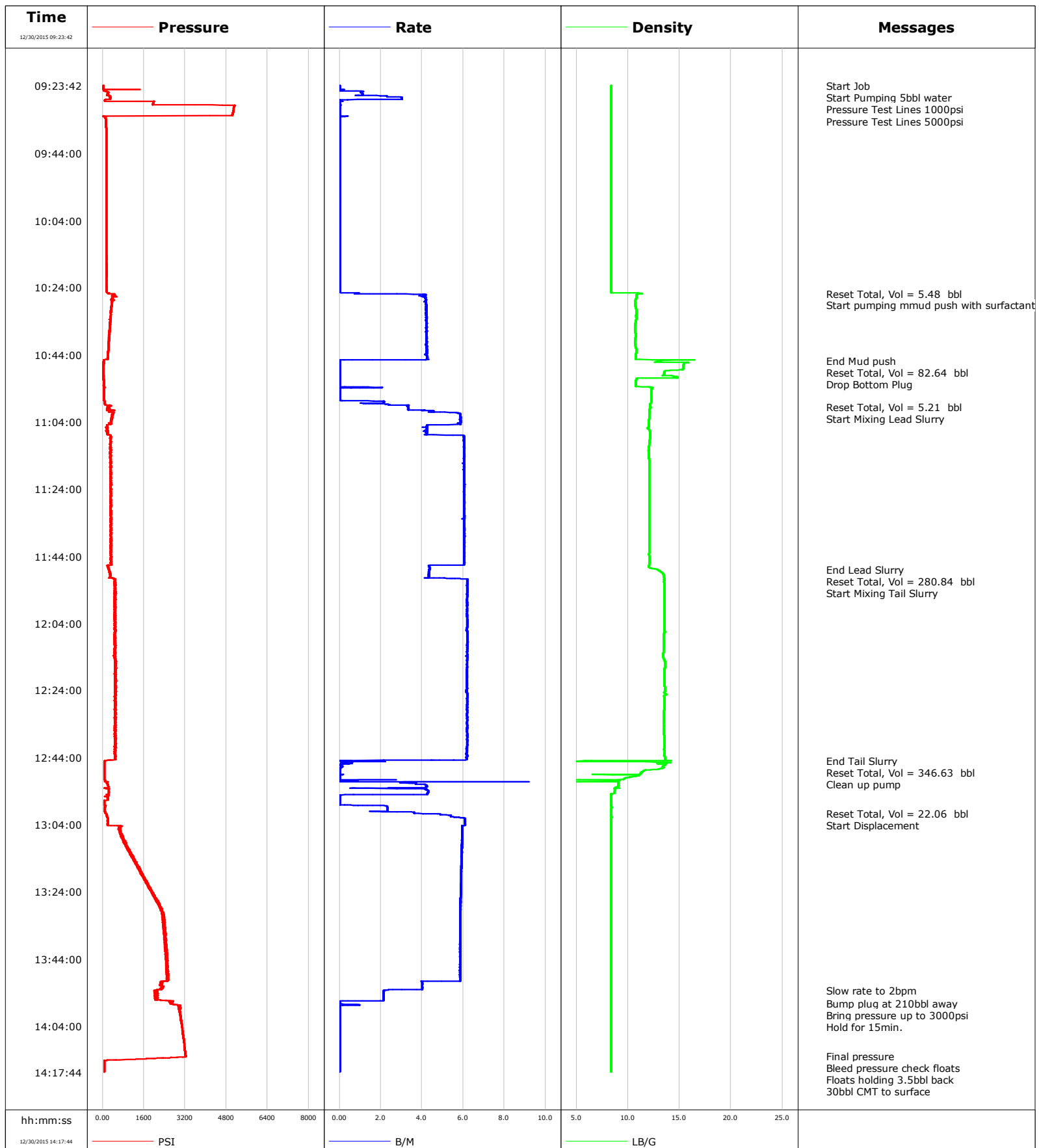


Well Whisper Rock
Field Wattenberg
Engineer Chris Valerio/Mike Reedy
Country United States

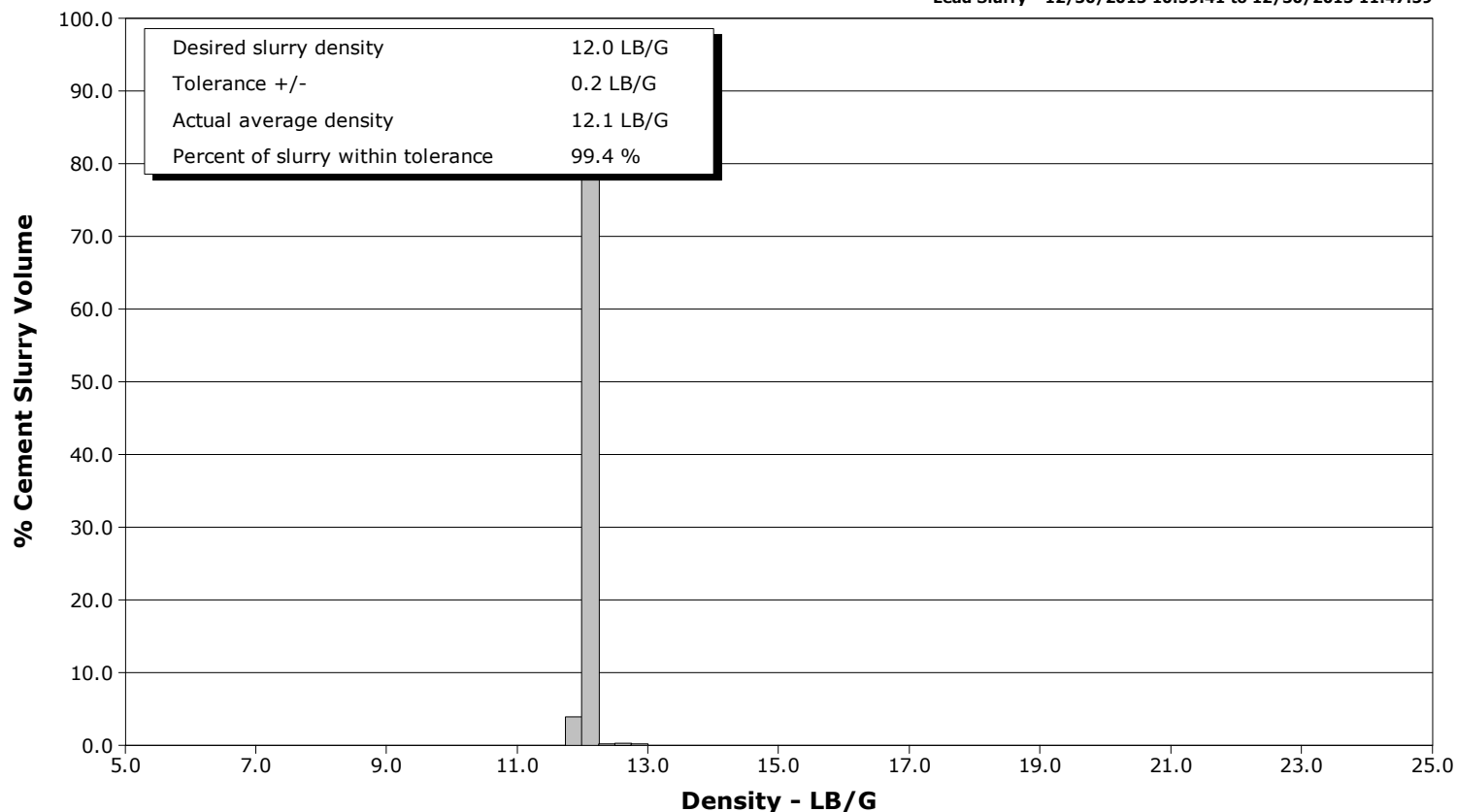
Client Anadarko
SIR No. DAXH-00584
Job Type Production
Job Date 12-30-2015



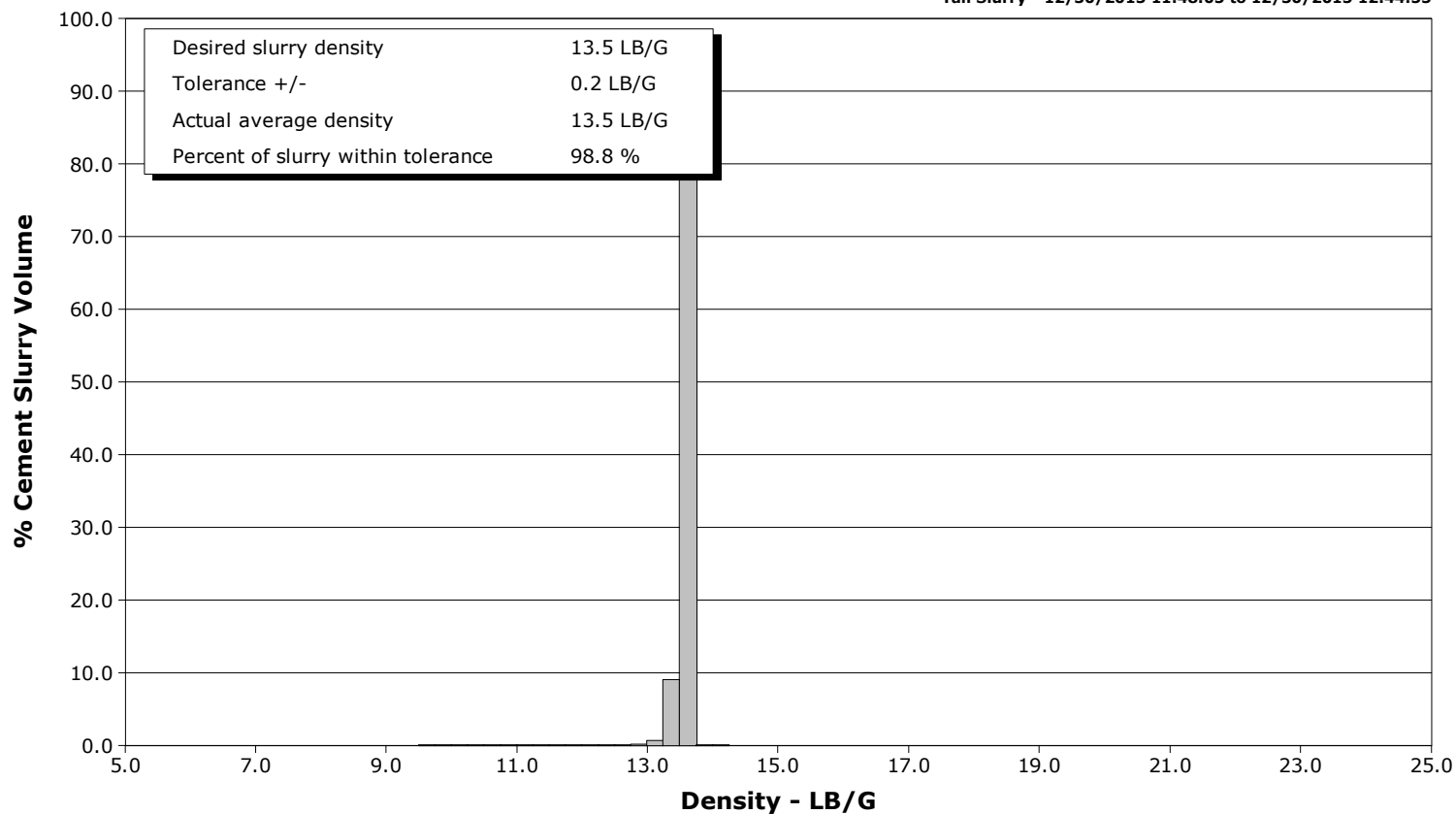
Well Whisper Rock
Field Wattenberg
Engineer Chris Valerio/Mike Reedy
Country United States

Client Anadarko
SIR No. DAXH-00584
Job Type Production
Job Date 12-30-2015

Lead Slurry - 12/30/2015 10:59:41 to 12/30/2015 11:47:59



Tail Slurry - 12/30/2015 11:48:05 to 12/30/2015 12:44:55



Cementing Service Report

				Customer Anadarko				Job Number DAXH-00584			
Well Whisper Rock 6N-25HZ			Location (legal)			Schlumberger Location			Job Start Dec/30/2015		
Field Wattenberg		Formation Name/Type Shale		Deviation 90 deg		Bit Size 8.5 in		Well MD 13465.4 ft		Well TVD 7263.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 234 degF		BHCT 231 degF		Pore Press. Gradient lb/gal	
Well Master 0631630648		API/UWI 05123413130000									
Rig Name Precision #460		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		1896.0		9.6		36.0	
						13465.4		5.5		17.0	
										J55	
										P110	
										8RD	
										8RD	
Drilling Fluid Type Oil Mud		Max. Density 9.50 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
										Weight, lb/ft	
										Grade	
										Thread	
Service Line Cementing		Job Type Production									
Max. Allowed Tub. Press 4500 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	
						ft		ft		in	
						Treat Down Casing		Displacement 310.2 bbl		Packer Type	
										Packer Depth	
						Tubing Vol. bbl		Casing Vol. 312.4 bbl		Annular Vol. 562.8 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 psi						Shoe Type Float				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 13465.4 ft				Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type				Tool Depth ft	
Cement Head Type Single						Stage Tool Depth ft				Tail Pipe Size in	
Job Scheduled For Dec/30/2015 04:30		Arrived on Location Dec/30/2015 04:30		Leave Location Dec/30/2015 16:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 13372.2 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
12/30/2015	09:23:42	27	0.0	8.36	0.5	Started Acquisition					
12/30/2015	09:23:43	26	0.0	8.36	0.5	Start Job					
12/30/2015	09:25:00	39	0.0	8.36	0.5	Start Pumping 5bbl water					
12/30/2015	09:28:42	1966	0.0	8.36	5.2						
12/30/2015	09:29:00	1957	0.0	8.36	5.2	Pressure Test Lines 1000psi					
12/30/2015	09:30:24	5087	0.0	8.37	5.3	Pressure Test Lines 5000psi					
12/30/2015	09:33:42	116	0.0	8.36	5.3						
12/30/2015	09:38:42	142	0.0	8.36	5.4						
12/30/2015	09:43:42	145	0.0	8.36	5.4						
12/30/2015	09:48:42	147	0.0	8.36	5.5						
12/30/2015	09:53:42	145	0.0	8.36	5.5						
12/30/2015	09:58:42	152	0.0	8.36	5.5						
12/30/2015	10:03:42	150	0.0	8.36	5.6						
12/30/2015	10:08:42	152	0.0	8.36	5.6						
12/30/2015	10:13:42	152	0.0	8.35	5.6						
12/30/2015	10:18:42	153	0.0	8.36	5.7						
12/30/2015	10:23:42	153	0.0	8.35	5.7						
12/30/2015	10:25:45	219	0.9	11.33	5.9	Reset Total, Vol = 5.48 bbl					
12/30/2015	10:26:06	460	4.2	10.85	6.9	Start pumping mmud push with surfactant					
12/30/2015	10:28:42	356	4.2	10.71	17.7						
12/30/2015	10:33:42	303	4.2	10.77	38.8						

Well			Field	Job Start		Customer		Job Number	
Whisper Rock 6N-25HZ			Wattenberg		Dec/30/2015		Anadarko		DAXH-00584
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
12/30/2015	10:43:42	207	4.2	10.77	81.0				
12/30/2015	10:45:47	41	0.0	13.14	88.6	End Mud push			
12/30/2015	10:45:49	41	0.0	13.10	88.6	Reset Total, Vol = 82.64 bbl			
12/30/2015	10:45:53	41	0.0	13.02	88.6	Drop Bottom Plug			
12/30/2015	10:48:42	37	0.0	13.90	88.6				
12/30/2015	10:53:42	85	1.9	12.12	88.7				
12/30/2015	10:58:42	93	2.2	12.15	91.0				
12/30/2015	10:59:37	225	3.3	12.18	93.7	Reset Total, Vol = 5.21 bbl			
12/30/2015	10:59:41	250	3.3	12.19	93.9	Start Mixing Lead Slurry			
12/30/2015	11:03:42	340	5.9	12.02	114.5				
12/30/2015	11:08:42	318	6.0	12.15	138.9				
12/30/2015	11:13:42	310	6.1	12.01	169.1				
12/30/2015	11:18:42	301	6.1	12.05	199.3				
12/30/2015	11:23:42	310	6.1	12.06	229.5				
12/30/2015	11:28:42	333	6.1	12.06	259.8				
12/30/2015	11:33:42	320	6.1	12.06	290.0				
12/30/2015	11:38:42	326	6.0	12.07	320.3				
12/30/2015	11:43:42	318	6.0	12.04	350.5				
12/30/2015	11:47:59	251	4.4	12.84	374.3	End Lead Slurry			
12/30/2015	11:48:03	245	4.4	12.89	374.5	Reset Total, Vol = 280.84 bbl			
12/30/2015	11:48:05	253	4.4	12.90	374.7	Start Mixing Tail Slurry			
12/30/2015	11:48:42	285	4.3	13.20	377.4				
12/30/2015	11:53:42	493	6.2	13.54	404.7				
12/30/2015	11:58:42	449	6.2	13.53	435.7				
12/30/2015	12:03:42	509	6.2	13.55	466.6				
12/30/2015	12:08:42	471	6.2	13.47	497.6				
12/30/2015	12:13:42	459	6.2	13.39	528.5				
12/30/2015	12:18:42	540	6.2	13.55	559.5				
12/30/2015	12:23:42	499	6.2	13.58	590.3				
12/30/2015	12:28:42	500	6.2	13.52	621.3				
12/30/2015	12:33:42	482	6.2	13.51	652.2				
12/30/2015	12:38:42	526	6.2	13.54	683.1				
12/30/2015	12:43:42	507	6.2	13.56	714.0				
12/30/2015	12:44:55	79	0.0	6.39	721.0	End Tail Slurry			
12/30/2015	12:45:18	73	0.7	12.60	721.3	Reset Total, Vol = 346.63 bbl			
12/30/2015	12:45:30	71	0.1	14.13	721.3	Clean up pump			
12/30/2015	12:48:42	71	0.0	11.26	721.5				
12/30/2015	12:53:42	243	4.3	8.71	731.5				
12/30/2015	12:58:42	102	2.3	8.41	738.4				
12/30/2015	13:00:37	112	3.6	8.39	743.3	Reset Total, Vol = 22.06 bbl			
12/30/2015	13:00:42	129	3.8	8.39	743.6	Start Displacement			
12/30/2015	13:03:42	190	6.1	8.36	760.7				
12/30/2015	13:08:42	843	5.9	8.36	790.5				
12/30/2015	13:13:42	1133	5.9	8.36	820.2				
12/30/2015	13:18:42	1539	5.9	8.35	849.7				
12/30/2015	13:23:42	1868	5.9	8.35	879.2				
12/30/2015	13:33:42	2414	5.9	8.35	937.8				
12/30/2015	13:38:42	2482	5.9	8.36	967.1				
12/30/2015	13:43:42	2495	5.9	8.35	996.3				
12/30/2015	13:48:42	2549	5.8	8.35	1025.5				
12/30/2015	13:53:28	2021	2.1	8.35	1047.8	Slow rate to 2bpm			
12/30/2015	13:53:42	2147	2.1	8.35	1048.3				
12/30/2015	13:57:15	2691	0.0	8.36	1054.4	Bump plug at 210bbl away			
12/30/2015	13:58:04	3005	0.0	8.36	1054.7	Bring pressure up to 3000psi			

Well			Field		Job Start	Customer		Job Number
Whisper Rock 6N-25HZ			Wattenberg		Dec/30/2015	Anadarko		DAXH-00584
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
12/30/2015	13:58:42	2986	0.0	8.36	1054.7			
12/30/2015	14:03:42	3071	0.0	8.36	1054.8			
12/30/2015	14:08:42	3153	0.0	8.36	1054.8			
12/30/2015	14:13:01	3217	0.0	8.36	1054.8	Final pressure		
12/30/2015	14:13:21	2888	0.0	8.36	1054.8	Bleed pressure check floats		
12/30/2015	14:13:42	1901	0.0	8.36	1054.8			
12/30/2015	14:14:44	68	0.0	8.36	1054.8	Floats holding 3.5bbl back		
12/30/2015	14:17:14	68	0.0	8.36	1054.8	30bbl CMT to surface		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.1	N2	Mud	Maximum Rate 7.0	Total Slurry 588.0	Mud 0.0	Spacer 80.0	N2					
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 3217	Final 3217	Average 787	Bump Plug to 2691	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 588.0 bbl	Displacement 310.0 bbl	Mix Water Temp 68 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 30.0 bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative Lance Fatheree			Schlumberger Supervisor Chris Valerio/Mike Reedy			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					