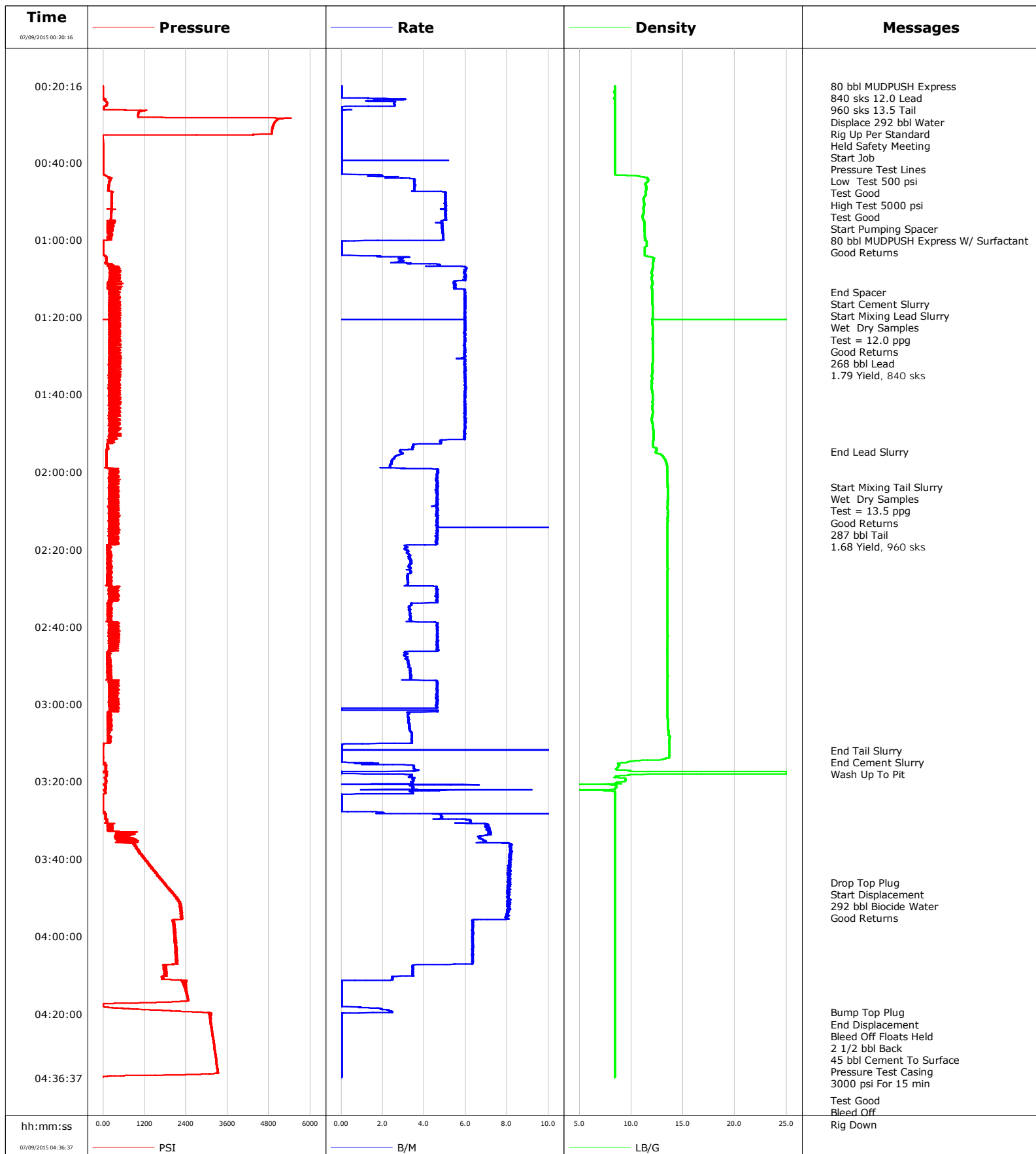


Well Viper Pyro 39N-10HZ
Field Wattenberge
Engineer Jordan Moreland / Matt Leiker
Country United States

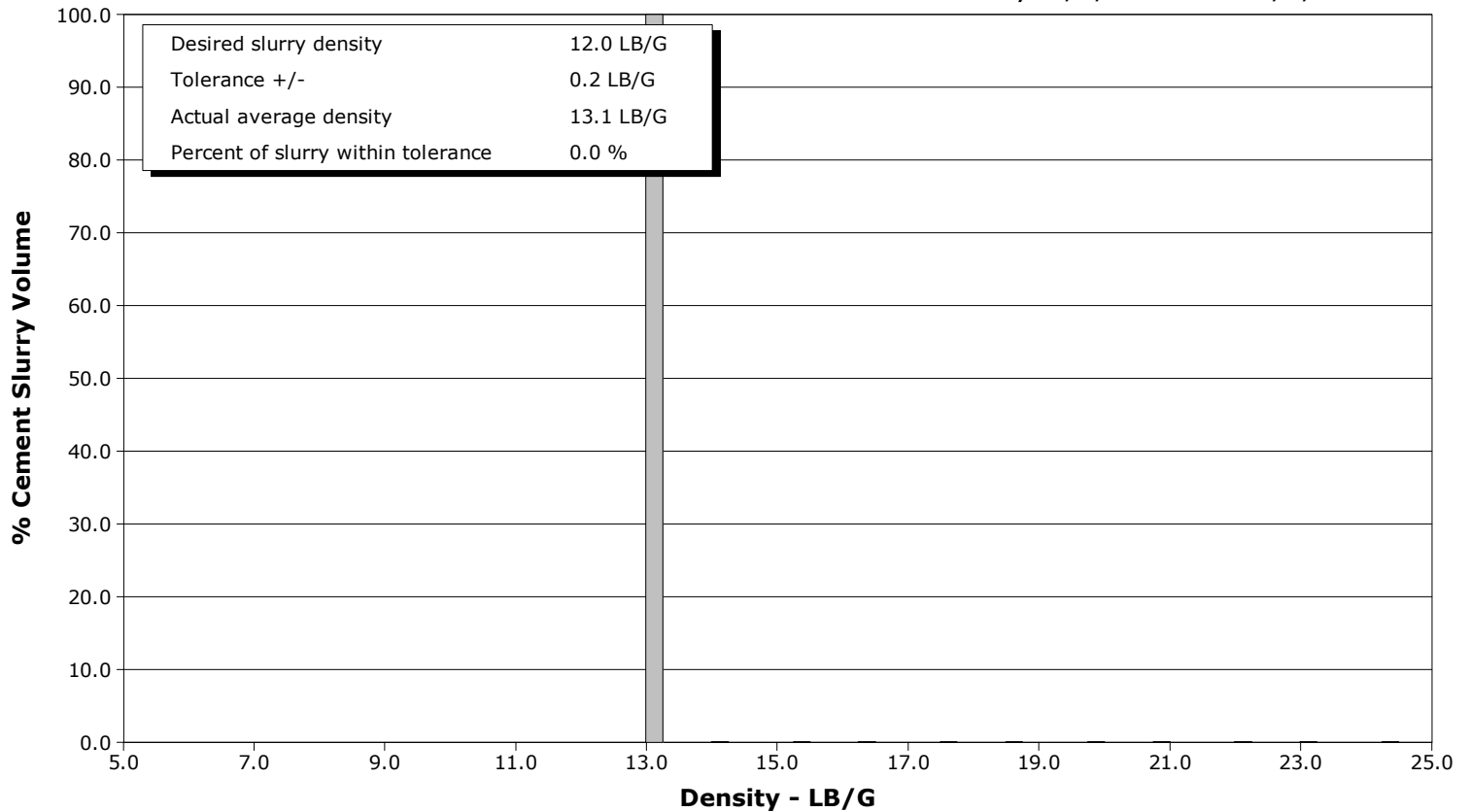
Client Anadarko
SIR No. D5VO-00669
Job Type 5 1/2 Production
Job Date 07-08-2015



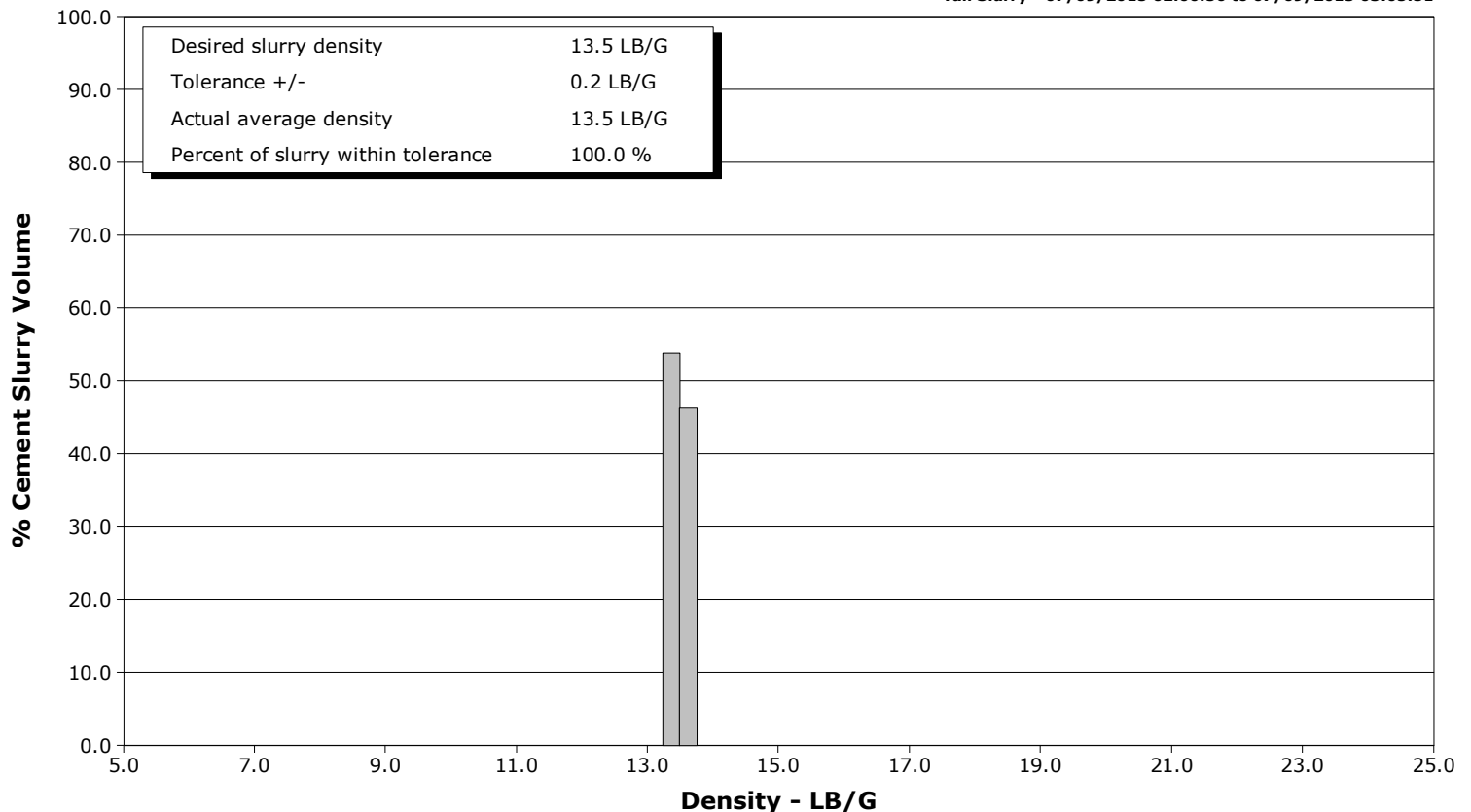
Well Viper Pyro 39N-10HZ
Field Wattenberge
Engineer Jordan Moreland / Matt Leiker
Country United States

Client Anadarko
SIR No. D5VO-00669
Job Type 5 1/2 Production
Job Date 07-08-2015

Lead Slurry - 07/09/2015 01:13:37 to 07/09/2015 01:51:47



Tail Slurry - 07/09/2015 02:00:56 to 07/09/2015 03:05:51



Cementing Service Report

				Customer Anadarko			Job Number D5VO-00669								
Well Viper Pyro 39N-10HZ			Location (legal)			Schlumberger Location CWY			Job Start Jul/08/2015						
Field Wattenberge		Formation Name/Type			Deviation deg		Bit Size 8.5 in		Well MD ft		Well TVD ft				
County Weld		State/Province Colorado			BHP psi		BHST 226 degF		BHCT 222 degF		Pore Press. Gradient lb/gal				
Well Master 0631633573		API/UWI 05123414260000													
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		12635.0		5.5		17.0		P110	8RD		
						0.0		0.0		0.0					
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe									
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade	Thread
Service Line Cementing		Job Type 5 1/2 Production													
Max. Allowed Tub. Press 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	
						ft		ft							
						ft		ft						Diameter in	
						Treat Down Casing		Displacement 292.0 bbl		Packer Type		Packer Depth ft			
						Tubing Vol. bbl		Casing Vol. 294.0 bbl		Annular Vol. 529.0 bbl		Openhole Vol. 976.0 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 9041 psi						Shoe Type Float			Squeeze Type						
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 12635.0 ft			Tool Type						
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type			Tool Depth ft						
Cement Head Type Double						Stage Tool Depth ft			Tail Pipe Size in						
Job Scheduled For Jul/08/2015		Arrived on Location Jul/08/2015		Leave Location Jul/08/2015		Collar Type Float			Tail Pipe Depth ft						
						Collar Depth 12544.0 ft			Sqz. Total Vol. bbl						
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message									
07/09/2015	00:20:16	-0	0.0	8.43	0.0	Started Acquisition									
07/09/2015	00:20:17	-0	0.0	8.43	0.0	Rig Up Per Standard									
07/09/2015	00:20:20	-0	0.0	8.43	0.0	Start Job									
07/09/2015	00:20:21	-0	0.0	8.43	0.0	Pressure Test Lines									
07/09/2015	00:20:22	-1	0.0	8.43	0.0	Low Test 500 psi									
07/09/2015	00:20:23	-1	0.0	8.43	0.0	Test Good									
07/09/2015	00:22:16	-2	0.0	8.43	0.0										
07/09/2015	00:24:16	92	2.2	8.41	1.8										
07/09/2015	00:26:16	19	0.0	8.42	5.2										
07/09/2015	00:28:16	1007	0.0	8.42	5.2										
07/09/2015	00:30:16	4929	0.0	8.42	5.2										
07/09/2015	00:32:16	4878	0.0	8.42	5.2										
07/09/2015	00:34:16	-13	0.0	8.42	5.2										
07/09/2015	00:36:16	3	0.0	8.42	5.2										
07/09/2015	00:38:16	3	0.0	8.42	5.2										
07/09/2015	00:40:16	2	0.0	8.42	5.2										
07/09/2015	00:42:16	5	0.0	8.43	5.2										
07/09/2015	00:44:16	203	3.5	11.58	7.6										
07/09/2015	00:46:16	163	3.5	11.45	14.7										
07/09/2015	00:48:16	250	5.0	11.40	22.7										
07/09/2015	00:50:16	239	5.0	11.19	32.8										

Well			Field	Job Start		Customer	Job Number
Viper Pyro 39N-10HZ			Wattenberge	Jul/08/2015		Anadarko	D5VO-00669
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/09/2015	00:51:26	234	5.0	11.20	38.6	80 bbl MUDPUSH Express W/ Surfactant	
07/09/2015	00:52:16	245	5.0	11.20	42.8		
07/09/2015	00:54:16	229	5.0	11.09	52.9		
07/09/2015	00:56:16	207	4.9	11.27	62.7		
07/09/2015	00:58:16	148	4.9	11.30	72.4		
07/09/2015	01:00:16	28	1.8	11.36	82.2		
07/09/2015	01:02:16	6	0.0	11.28	82.3		
07/09/2015	01:04:16	63	1.9	11.54	82.5		
07/09/2015	01:06:16	231	4.3	12.09	88.1		
07/09/2015	01:08:16	445	6.0	11.98	99.2		
07/09/2015	01:10:16	183	6.0	11.98	111.1		
07/09/2015	01:12:16	498	5.5	11.95	122.3		
07/09/2015	01:13:34	338	6.0	12.00	129.7	End Spacer	
07/09/2015	01:13:36	205	6.0	12.00	129.9	Start Cement Slurry	
07/09/2015	01:13:37	168	6.0	12.00	130.0	Start Mixing Lead Slurry	
07/09/2015	01:13:44	305	6.0	12.00	130.7	Wet Dry Samples	
07/09/2015	01:14:16	223	6.0	12.02	133.9		
07/09/2015	01:16:16	291	6.0	12.02	145.9		
07/09/2015	01:18:16	379	6.0	12.06	157.8		
07/09/2015	01:20:16	489	6.0	12.04	169.7		
07/09/2015	01:22:16	201	6.0	12.04	181.6		
07/09/2015	01:24:16	202	6.0	12.07	193.6		
07/09/2015	01:26:16	395	6.0	12.06	205.5		
07/09/2015	01:28:16	338	5.9	12.05	217.4		
07/09/2015	01:30:16	167	6.0	12.09	229.3		
07/09/2015	01:32:16	415	5.9	12.02	241.2		
07/09/2015	01:34:16	498	6.0	12.03	253.1		
07/09/2015	01:36:16	294	6.0	11.99	265.1		
07/09/2015	01:38:16	245	6.0	11.98	277.0		
07/09/2015	01:40:16	167	5.9	12.05	289.0		
07/09/2015	01:42:16	494	6.0	12.04	300.9		
07/09/2015	01:44:16	221	6.0	12.05	312.8		
07/09/2015	01:46:16	385	6.0	11.97	324.8		
07/09/2015	01:48:16	188	6.0	12.08	336.7		
07/09/2015	01:50:16	382	6.0	12.15	348.7		
07/09/2015	01:51:47	138	4.9	12.15	357.6	End Lead Slurry	
07/09/2015	01:52:16	200	4.8	12.11	359.9		
07/09/2015	01:54:16	123	3.4	12.41	367.6		
07/09/2015	01:56:16	99	2.6	13.11	373.3		
07/09/2015	01:58:16	97	2.3	13.41	378.2		
07/09/2015	02:00:16	432	4.7	13.48	385.4		
07/09/2015	02:00:56	389	4.6	13.48	388.4	Start Mixing Tail Slurry	
07/09/2015	02:00:58	441	4.6	13.48	388.6	Wet Dry Samples	
07/09/2015	02:00:59	425	4.6	13.48	388.7	287 bbl Tail	
07/09/2015	02:02:16	437	4.6	13.51	394.6		
07/09/2015	02:04:16	239	4.6	13.52	403.8		
07/09/2015	02:06:16	176	4.6	13.53	413.1		
07/09/2015	02:08:16	311	4.6	13.52	422.3		
07/09/2015	02:10:16	233	4.6	13.53	431.5		
07/09/2015	02:12:16	165	4.6	13.50	440.8		
07/09/2015	02:14:16	264	4.6	13.50	450.0		
07/09/2015	02:16:16	413	4.6	13.48	459.3		
07/09/2015	02:18:16	188	4.6	13.48	468.5		
07/09/2015	02:20:16	165	3.2	13.49	475.7		

Well			Field	Job Start		Customer		Job Number	
Viper Pyro 39N-10HZ			Wattenberge		Jul/08/2015		Anadarko		D5VO-00669
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/09/2015	02:24:16	184	3.3	13.49	488.8				
07/09/2015	02:26:16	156	3.3	13.50	495.5				
07/09/2015	02:28:16	155	3.2	13.50	501.9				
07/09/2015	02:30:16	179	4.6	13.49	509.3				
07/09/2015	02:32:16	179	4.6	13.50	518.5				
07/09/2015	02:36:16	230	3.3	13.51	534.0				
07/09/2015	02:38:16	154	3.3	13.50	540.7				
07/09/2015	02:40:16	166	4.6	13.51	549.2				
07/09/2015	02:42:16	264	4.6	13.50	558.4				
07/09/2015	02:44:16	185	4.7	13.49	567.7				
07/09/2015	02:46:16	203	4.7	13.49	576.9				
07/09/2015	02:48:16	147	3.1	13.49	583.4				
07/09/2015	02:50:16	197	3.3	13.50	589.9				
07/09/2015	02:52:16	124	3.3	13.49	596.5				
07/09/2015	02:54:16	167	4.6	13.50	603.6				
07/09/2015	02:56:16	415	4.6	13.50	612.8				
07/09/2015	02:58:16	381	4.6	13.50	622.1				
07/09/2015	03:00:16	200	4.6	13.49	631.3				
07/09/2015	03:02:16	142	3.2	13.49	640.4				
07/09/2015	03:04:16	164	3.2	13.54	646.8				
07/09/2015	03:05:51	193	3.3	13.54	652.0	End Tail Slurry			
07/09/2015	03:05:52	204	3.3	13.54	652.0	Wash Up To Pit			
07/09/2015	03:06:16	137	3.3	13.55	653.4				
07/09/2015	03:08:16	142	3.4	13.67	660.1				
07/09/2015	03:10:16	21	1.8	13.65	666.8				
07/09/2015	03:12:16	-3	0.0	13.69	667.0				
07/09/2015	03:14:16	-3	0.0	13.17	667.0				
07/09/2015	03:16:16	71	3.5	8.73	669.6				
07/09/2015	03:18:16	97	3.3	10.31	674.3				
07/09/2015	03:20:16	80	3.4	8.74	681.1				
07/09/2015	03:22:16	3	9.2	3.90	687.7				
07/09/2015	03:24:16	-3	0.0	8.43	691.5				
07/09/2015	03:26:16	-1	0.0	8.43	691.5				
07/09/2015	03:28:16	9	2.1	8.42	692.2				
07/09/2015	03:30:16	93	6.2	8.42	702.1				
07/09/2015	03:32:16	235	7.1	8.42	715.6				
07/09/2015	03:34:16	527	6.6	8.42	729.8				
07/09/2015	03:36:16	907	8.1	8.42	743.8				
07/09/2015	03:38:16	1049	8.2	8.42	760.1				
07/09/2015	03:39:58	1179	8.2	8.42	774.0	Drop Top Plug			
07/09/2015	03:40:00	1222	8.2	8.42	774.3	Start Displacement			
07/09/2015	03:40:01	1204	8.1	8.42	774.4	292 bbl Biocide Water			
07/09/2015	03:40:02	1204	8.1	8.42	774.5	Good Returns			
07/09/2015	03:40:16	1225	8.1	8.42	776.5				
07/09/2015	03:42:16	1386	8.1	8.42	792.7				
07/09/2015	03:44:16	1600	8.1	8.42	808.9				
07/09/2015	03:46:16	1783	8.1	8.42	825.1				
07/09/2015	03:48:16	1922	8.1	8.42	841.2				
07/09/2015	03:50:16	2124	8.1	8.42	857.4				
07/09/2015	03:52:16	2250	8.0	8.42	873.5				
07/09/2015	03:54:16	2281	8.0	8.42	889.6				
07/09/2015	03:56:16	2059	6.3	8.42	904.7				
07/09/2015	03:58:16	2058	6.3	8.42	917.4				
07/09/2015	04:00:16	2064	6.3	8.42	930.1				

Well			Field		Job Start	Customer		Job Number
Viper Pyro 39N-10HZ			Wattenberge		Jul/08/2015	Anadarko		D5VO-00669
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
07/09/2015	04:04:16	2096	6.4	8.42	955.4			
07/09/2015	04:06:16	2114	6.3	8.42	968.1			
07/09/2015	04:08:16	1821	3.4	8.42	978.2			
07/09/2015	04:10:16	1860	3.5	8.42	985.1			
07/09/2015	04:12:16	2320	0.0	8.42	988.2			
07/09/2015	04:13:34	2366	0.0	8.42	988.2	Bump Top Plug		
07/09/2015	04:13:36	2401	0.0	8.42	988.2	Bleed Off Floats Held		
07/09/2015	04:14:16	2388	0.0	8.43	988.2			
07/09/2015	04:16:16	2457	0.0	8.43	988.2			
07/09/2015	04:18:16	-3	0.0	8.43	988.2			
07/09/2015	04:20:16	3133	0.0	8.42	991.2			
07/09/2015	04:22:16	3122	0.0	8.42	991.2			
07/09/2015	04:24:16	3146	0.0	8.43	991.2			
07/09/2015	04:26:16	3177	0.0	8.43	991.2			
07/09/2015	04:28:16	3210	0.0	8.43	991.2			
07/09/2015	04:30:16	3241	0.0	8.43	991.2			
07/09/2015	04:32:16	3271	0.0	8.43	991.2			
07/09/2015	04:34:16	3301	0.0	8.43	991.2			
07/09/2015	04:36:16	17	0.0	8.43	991.2			
07/09/2015	04:36:18	-12	0.0	8.43	991.2	Test Good		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 5.1	N2	Mud	Maximum Rate 692.5	Total Slurry 555.0	Mud 0.0	Spacer 80.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 5500	Final -13	Average 2000	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 292.0 bbl		Mix Water Temp 65 degF				
					Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume bbl			
					Washed Thru Perfs <input type="checkbox"/>		To ft			
Customer or Authorized Representative			Schlumberger Supervisor Jordan Moreland / Matt Leiker			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>			
						-	-			