

Well Champlin 78 Amoco D1

Field DJ

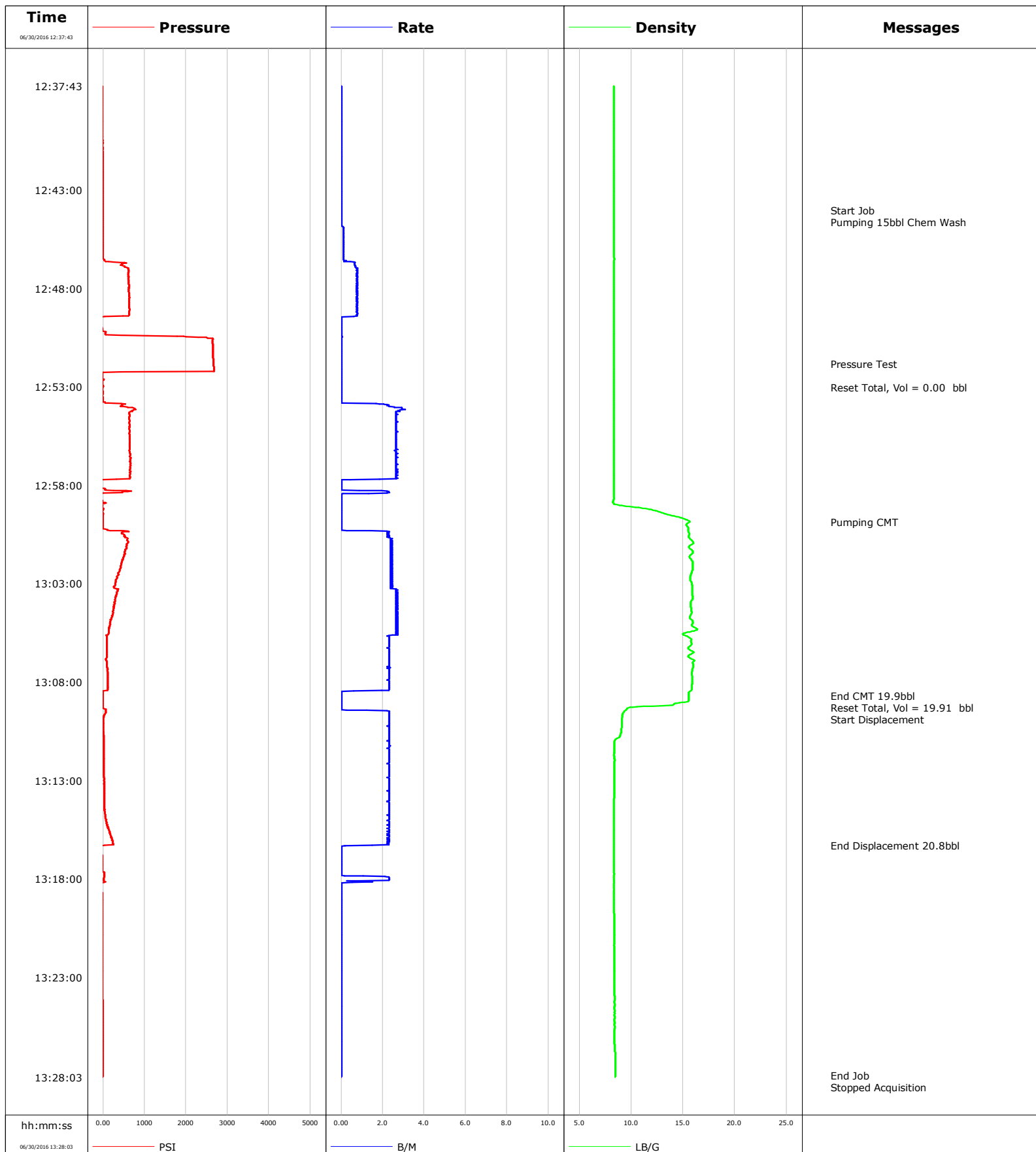
Engineer Chris Valerio

Country United States

Client Anadarko

SIR No. DMBW-00168

Job Type Nio Sqz

Job Date 06-30-2016


Cementing Service Report

				Customer Anadarko			Job Number DMBW-00168				
Well Champlin 78 Amoco D1 78 Amoco D1			Location (legal)			Schlumberger Location			Job Start Jun/30/2016		
Field DJ		Formation Name/Type Shale		Deviation deg		Bit Size in		Well MD 6780.0 ft		Well TVD 6780.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 220 degF		BHCT 220 degF		Pore Press. Gradient lb/gal	
Well Master 0631685215		API/UWI 05001073790000									
Rig Name Basic		Drilled For N/A		Service Via Land		Casing/ Liner					
						Depth, ft		Size, in		Weight, lb/ft	
										Grade	
										Thread	
Offshore Zone		Well Class Old		Well Type Workover		6780.0		5.5		17.0	
						0.0		0.0		0.0	
Drilling Fluid Type Other		Max. Density 8.30 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
										Weight, lb/ft	
										Grade	
										Thread	
Service Line Cementing		Job Type Nio Sqz				T		6690.0		2.4	
										4.7	
										0.0	
Max. Allowed Tub. Press 2000 psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down Tubing		Displacement 20.8 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. 25.8 bbl		Casing Vol. 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 psi				Shoe Type				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft				Tool Type			
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth ft	
Cement Head Type						Stage Tool Depth ft				Tail Pipe Size in	
Job Scheduled For Jun/30/2016 12:00		Arrived on Location Jun/30/2016 12:00		Leave Location Jun/30/2016 14:30		Collar Type				Tail Pipe Depth ft	
						Collar Depth ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Stg Volume BBL	Message					
06/30/2016	12:37:43	-15	0.0	8.33	0.0	Started Acquisition					
06/30/2016	12:42:43	-10	0.0	8.33	0.0						
06/30/2016	12:44:02	-5	0.0	8.34	0.0	Start Job					
06/30/2016	12:44:17	-5	0.0	8.34	0.0	Pumping 15bbl Chem Wash					
06/30/2016	12:47:43	612	0.8	8.34	1.0						
06/30/2016	12:51:50	2663	0.0	8.33	2.3	Pressure Test					
06/30/2016	12:52:43	-10	0.0	8.33	0.0						
06/30/2016	12:53:02	-10	0.0	8.33	0.0	Reset Total, Vol = 0.00 bbl					
06/30/2016	12:57:43	-42	0.4	8.34	0.0						
06/30/2016	12:59:51	-10	0.0	15.65	0.0	Pumping CMT					
06/30/2016	13:02:43	338	2.4	15.68	5.8						
06/30/2016	13:07:43	109	2.3	15.87	18.2						
06/30/2016	13:08:40	-5	0.0	15.53	19.9	End CMT 19.9bbl					
06/30/2016	13:08:50	-5	0.0	15.53	0.0	Reset Total, Vol = 19.91 bbl					
06/30/2016	13:09:27	68	2.2	9.41	0.0	Start Displacement					
06/30/2016	13:12:43	22	2.3	8.38	0.0						
06/30/2016	13:16:17	45	1.5	8.34	0.0	End Displacement 20.8bbl					
06/30/2016	13:17:43	31	0.0	8.35	0.0						
06/30/2016	13:22:43	-19	0.0	8.38	0.0						
06/30/2016	13:27:43	-5	0.0	8.47	0.0						
06/30/2016	13:27:57	-5	0.0	8.47	0.0	End Job					

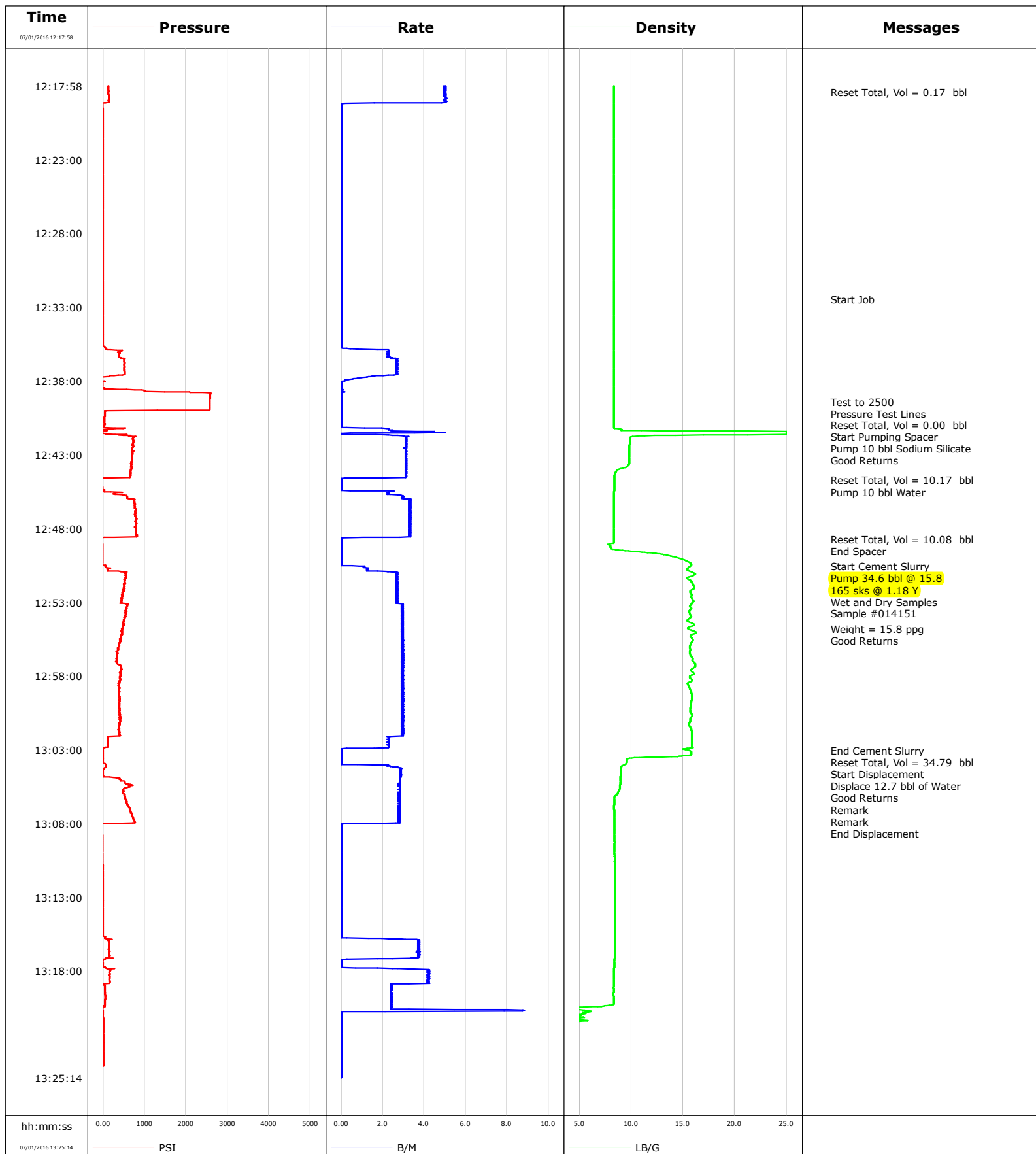
Well Champlin 78 Amoco D1 78 Amoco D1	Field DJ	Job Start Jun/30/2016	Customer Anadarko	Job Number DMBW-00168
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 2.0	N2	Mud	Maximum Rate 3.1		Total Slurry 19.9	Mud 0.0	Spacer 15.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 662	Final -5	Average 457	Bump Plug to	Breakdown	Type		Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 19.9 bbl		Displacement 20.8 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface? <input type="checkbox"/>	
								Volume bbl	
								Washed Thru Perfs <input type="checkbox"/>	
								To ft	
Customer or Authorized Representative			Schlumberger Supervisor				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
Mike Lee			Chris Valerio				-		-

Well Champlin 78 Amoco D1
Field DJ
Engineer Chris Valerio
Country United States

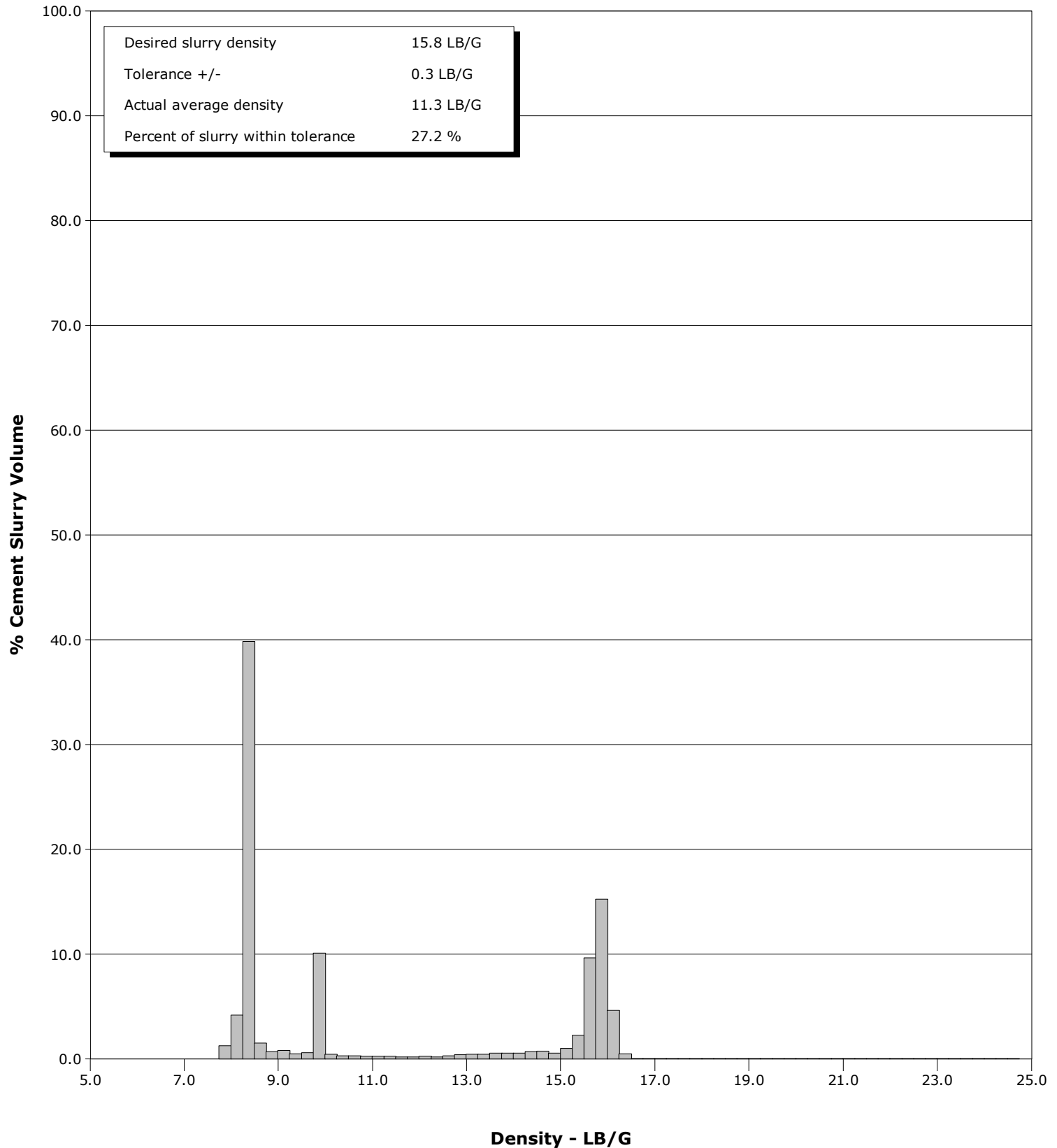
Client Anadarko
SIR No. DMBW-00170
Job Type Sussex Sqz
Job Date 07-01-2016



Well Champlin 78 Amoco D1
Field DJ
Engineer Chris Valerio
Country United States

Client Anadarko
SIR No. DMBW-00170
Job Type Sussex Sqz
Job Date 07-01-2016

Cement Slurry - 07/01/2016 12:17:58 to 07/01/2016 12:56:14



Cementing Service Report

				Customer Anadarko			Job Number DMBW-00170										
Well Champlin 78 Amoco D1 Champlin			Location (legal)			Schlumberger Location			Job Start Jul/01/2016								
Field DJ		Formation Name/Type Shale			Deviation deg		Bit Size in		Well MD 4750.0 ft		Well TVD 4750.0 ft						
County Weld		State/Province Colorado			BHP psi		BHST 165 degF		BHCT 165 degF		Pore Press. Gradient lb/gal						
Well Master 06316855215		API/UWI 05001073790000															
Rig Name Basic 1549		Drilled For Oil		Service Via Land		Casing/ Liner											
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone		Well Class Old		Well Type Workover		4750.0		5.5		14.0		K55		8RD			
						0.0		0.0		0.0							
Drilling Fluid Type Other		Max. Density 8.30 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe											
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing		Job Type Sussex Sqz				T		4575.0		2.4		4.7					
								0.0		0.0		0.0					
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval			
						4540.0 ft		4750.0 ft						210.0 ft			
						0.0 ft		0.0 ft						Diameter			
						0.0 ft		0.0 ft						in			
						Treat Down Tubing		Displacement 12.7 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. 17.7 bbl		Casing Vol. 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 psi						Shoe Type				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth ft				Tool Type							
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth ft							
Cement Head Type						Stage Tool Depth ft				Tail Pipe Size in							
Job Scheduled For Jul/01/2016 12:00		Arrived on Location Jul/01/2016 12:00		Leave Location Jul/01/2016 14:30		Collar Type				Tail Pipe Depth ft							
						Collar Depth ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Stg Volume BBL	Message											
07/01/2016	12:17:58	132	5.0	8.33	0.2	Started Acquisition											
07/01/2016	12:18:23	132	5.0	8.33	0.2	Reset Total, Vol = 0.17 bbl											
07/01/2016	12:22:58	-5	0.0	8.33	0.0												
07/01/2016	12:27:58	-5	0.0	8.33	0.0												
07/01/2016	12:32:26	-1	0.0	8.33	0.0	Start Job											
07/01/2016	12:32:58	-1	0.0	8.32	0.0												
07/01/2016	12:37:58	-33	0.2	8.33	0.0												
07/01/2016	12:39:24	2572	0.0	8.33	0.0	Test to 2500											
07/01/2016	12:39:48	2572	0.0	8.33	0.0	Pressure Test Lines											
07/01/2016	12:40:57	40	0.0	8.33	0.0	Reset Total, Vol = 0.00 bbl											
07/01/2016	12:41:21	100	2.4	11.00	0.4	Start Pumping Spacer											
07/01/2016	12:41:39	379	2.3	16.98	1.1	Pump 10 bbl Sodium Silicate											
07/01/2016	12:41:40	498	2.5	14.27	1.2	Good Returns											
07/01/2016	12:42:58	709	3.1	9.81	5.2												
07/01/2016	12:44:42	-42	0.0	8.38	10.2	Reset Total, Vol = 10.17 bbl											
07/01/2016	12:45:02	-28	0.0	8.38	0.0	Pump 10 bbl Water											
07/01/2016	12:47:58	791	3.3	8.34	8.0												
07/01/2016	12:48:41	-38	0.0	8.34	10.1	Reset Total, Vol = 10.08 bbl											
07/01/2016	12:49:01	-24	0.0	7.98	0.0	End Spacer											
07/01/2016	12:50:33	49	1.1	15.70	0.0	Start Cement Slurry											
07/01/2016	12:50:49	114	1.2	15.43	0.4	Pump 34.6 bbl @ 15.8											

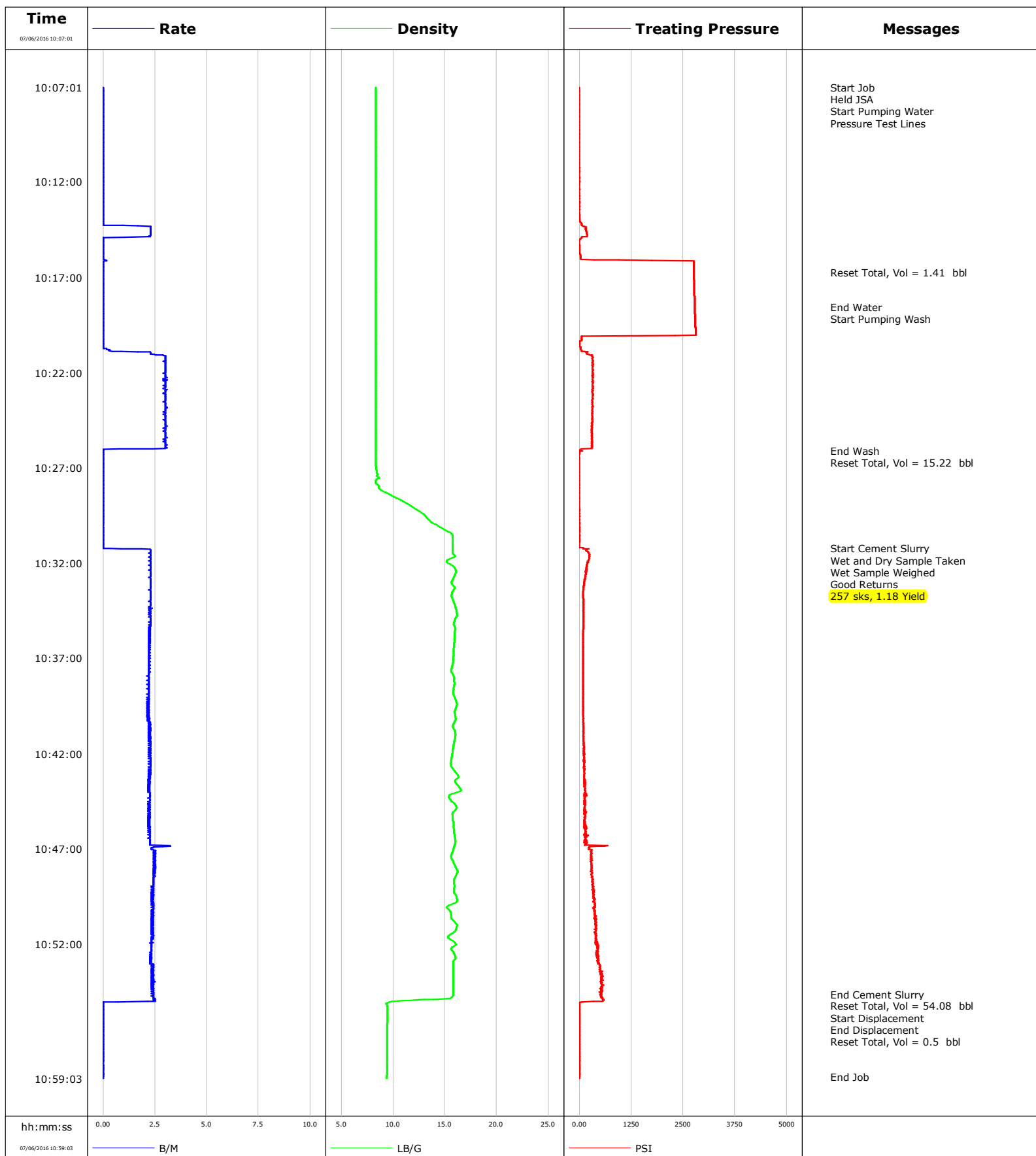
Well			Field		Job Start		Customer		Job Number	
Champlin 78 Amoco D1 Champlin			DJ		Jul/01/2016		Anadarko		DMBW-00170	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Stg Volume BBL	Message				
07/01/2016	12:51:17	553	2.6	15.51	1.5	Wet and Dry Samples				
07/01/2016	12:52:58	443	2.7	15.98	6.0					
07/01/2016	12:53:43	530	3.0	15.62	8.2	Sample #014151				
07/01/2016	12:54:47	466	2.9	15.48	11.3	Weight = 15.8 ppg				
07/01/2016	12:55:20	448	2.9	15.75	12.9	Good Returns				
07/01/2016	12:57:58	443	3.0	15.72	20.7					
07/01/2016	13:02:58	-5	0.0	15.09	34.8					
07/01/2016	13:03:01	-5	0.0	15.54	34.8	End Cement Slurry				
07/01/2016	13:03:02	-5	0.0	15.62	34.8	Reset Total, Vol = 34.79 bbl				
07/01/2016	13:03:21	-5	0.0	15.77	0.0	Start Displacement				
07/01/2016	13:03:25	-5	0.0	14.83	0.0	Displace 12.7 bbl of Water				
07/01/2016	13:03:28	-1	0.0	13.93	0.0	Good Returns				
07/01/2016	13:04:00	63	0.0	9.41	0.0	Remark				
07/01/2016	13:07:58	709	2.6	8.37	11.0					
07/01/2016	13:08:06	-47	0.0	8.36	11.1	End Displacement				
07/01/2016	13:12:58	-10	0.0	8.44	11.1					
07/01/2016	13:17:58	178	4.2	8.35	16.8					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.0	N2	Mud	Maximum Rate 3.5		Total Slurry 34.8	Mud 0.0	Spacer 25.1	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 795	Final 0	Average 448	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 34.8 bbl		Displacement 12.7 bbl	Mix Water Temp 66 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
						Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Danny Olmeda			Schlumberger Supervisor Chris Valerio			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-

Well Champlin 78 Amoco D1
Field DJ
Engineer Ryan Drilling
Country United States

Client Anadarko
SIR No. DJT7-00310
Job Type Fox Hills Squeeze
Job Date 07-06-2016



Cementing Service Report

				Customer Anadarko		Job Number DJT7-00310	
Well Champlin 78 Amoco D1		Location (legal) CWY		Schlumberger Location Rock Springs		Job Start Jul/06/2016	
Field DJ		Formation Name/Type		Deviation 0 deg		Well MD ft	
County Weld		State/Province Colorado		BHP psi		Well TVD ft	
Well Master 0631685215		API/UWI		BHST degF		BHCT degF	
Rig Name Basic		Drilled For Oil		Service Via Land		Casing/Liner	
						Depth, ft	
						Size, in	
						Weight, lb/ft	
						Grade	
						Thread	
Offshore Zone		Well Class Old		Well Type Development			
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 Fox Hills Squeeze					
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole	
						Top, ft	
						Bottom, ft	
						shot/ft	
						No. of Shots	
						Total Interval ft	
						ft	
						ft	
						ft	
						Diameter in	
						Treat Down Tubing	
						Displacement bbl	
						Packer Type	
						Packer Depth ft	
						Tubing Vol. 1340.0 bbl	
						Casing Vol. bbl	
						Annular Vol. bbl	
						Openhole Vol. bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure psi				Shoe Type		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft		Tool Type	
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type	
						Tool Depth ft	
Cement Head Type				Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Jul/06/2016 09:00		Arrived on Location Jul/06/2016 09:30		Leave Location Jul/06/2016 11:30		Collar Type	
						Tail Pipe Depth ft	
						Collar Depth ft	
						Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/06/2016	10:07:01	-1	0.0	8.31	0.0	Started Acquisition	
07/06/2016	10:07:02	-1	0.0	8.31	0.0	Start Job	
07/06/2016	10:07:04	-1	0.0	8.31	0.0	Held JSA	
07/06/2016	10:07:30	-1	0.0	8.31	0.0	Start Pumping Water	
07/06/2016	10:07:31	-1	0.0	8.31	0.0		
07/06/2016	10:07:33	-1	0.0	8.31	0.0	Pressure Test Lines	
07/06/2016	10:12:31	4	0.0	8.31	0.0		
07/06/2016	10:13:31	-1	0.0	8.31	0.0		
07/06/2016	10:14:01	8	0.0	8.31	0.0		
07/06/2016	10:14:31	155	2.3	8.31	0.5		
07/06/2016	10:15:01	13	0.0	8.31	1.4		
07/06/2016	10:15:31	4	0.0	8.31	1.4		
07/06/2016	10:16:01	36	0.0	8.31	1.4		
07/06/2016	10:16:31	2755	0.0	8.31	1.4		
07/06/2016	10:16:45	2755	0.0	8.31	1.4	Reset Total, Vol = 1.41 bbl	
07/06/2016	10:17:01	2759	0.0	8.31	0.0		
07/06/2016	10:17:31	2769	0.0	8.31	0.0		
07/06/2016	10:18:01	2778	0.0	8.31	0.0		
07/06/2016	10:18:31	2782	0.0	8.31	0.0		
07/06/2016	10:18:34	2782	0.0	8.31	0.0	End Water	
07/06/2016	10:18:43	2787	0.0	8.31	0.0	Start Pumping Wash	

Well			Field		Job Start		Customer		Job Number	
Champlin 78 Amoco D1			DJ		Jul/06/2016		Anadarko		DJT7-00310	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
07/06/2016	10:19:31	2796	0.0	8.31	0.0					
07/06/2016	10:20:01	2801	0.0	8.31	0.0					
07/06/2016	10:20:31	8	0.0	8.31	0.0					
07/06/2016	10:21:01	191	2.3	8.31	0.3					
07/06/2016	10:21:31	320	3.0	8.32	1.8					
07/06/2016	10:22:01	333	3.0	8.32	3.3					
07/06/2016	10:22:31	329	3.0	8.32	4.8					
07/06/2016	10:23:01	329	3.0	8.32	6.2					
07/06/2016	10:23:31	315	3.0	8.32	7.7					
07/06/2016	10:24:01	315	3.0	8.32	9.2					
07/06/2016	10:24:31	301	3.0	8.31	10.7					
07/06/2016	10:25:01	310	3.0	8.32	12.2					
07/06/2016	10:25:31	310	3.0	8.33	13.7					
07/06/2016	10:26:01	40	0.8	8.33	15.2					
07/06/2016	10:26:05	-28	0.0	8.33	15.2	End Wash				
07/06/2016	10:26:06	-24	0.0	8.33	15.2	Reset Total, Vol = 15.22 bbl				
07/06/2016	10:26:31	-5	0.0	8.33	0.0					
07/06/2016	10:27:01	-1	0.0	8.36	0.0					
07/06/2016	10:27:31	-1	0.0	8.70	0.0					
07/06/2016	10:28:01	-1	0.0	8.60	0.0					
07/06/2016	10:28:31	-1	0.0	10.10	0.0					
07/06/2016	10:29:01	-1	0.0	11.77	0.0					
07/06/2016	10:30:31	4	0.0	15.72	0.0					
07/06/2016	10:31:01	-1	0.0	15.74	0.0					
07/06/2016	10:31:13	100	0.0	15.74	0.0	Start Cement Slurry				
07/06/2016	10:31:15	95	0.9	15.74	0.0	Wet and Dry Sample Taken				
07/06/2016	10:31:16	237	1.9	15.74	0.0	Wet Sample Weighed				
07/06/2016	10:31:31	233	2.3	15.81	0.6					
07/06/2016	10:31:51	223	2.3	15.23	1.4	257 sks, 1.18 Yield				
07/06/2016	10:32:01	196	2.3	15.37	1.7					
07/06/2016	10:32:31	159	2.3	16.06	2.9					
07/06/2016	10:33:01	118	2.3	15.65	4.0					
07/06/2016	10:33:31	95	2.3	15.72	5.2					
07/06/2016	10:34:01	100	2.3	15.83	6.3					
07/06/2016	10:34:31	100	2.3	16.12	7.5					
07/06/2016	10:35:01	100	2.3	15.94	8.6					
07/06/2016	10:35:31	95	2.3	16.00	9.7					
07/06/2016	10:36:01	95	2.2	15.94	10.9					
07/06/2016	10:36:31	95	2.2	15.86	12.0					
07/06/2016	10:37:01	95	2.2	15.79	13.1					
07/06/2016	10:37:31	91	2.2	15.67	14.2					
07/06/2016	10:38:01	95	2.2	15.88	15.3					
07/06/2016	10:38:31	91	2.2	15.86	16.4					
07/06/2016	10:39:01	95	2.2	15.92	17.5					
07/06/2016	10:39:31	95	2.1	16.12	18.6					
07/06/2016	10:40:01	95	2.2	16.00	19.7					
07/06/2016	10:40:31	100	2.2	15.77	20.8					
07/06/2016	10:41:01	100	2.3	16.00	21.9					
07/06/2016	10:41:31	100	2.3	15.84	23.0					
07/06/2016	10:42:01	104	2.3	15.72	24.2					
07/06/2016	10:42:31	123	2.3	15.57	25.3					
07/06/2016	10:43:01	123	2.2	16.10	26.4					
07/06/2016	10:43:31	150	2.3	16.03	27.6					
07/06/2016	10:44:01	132	2.2	16.29	28.7					

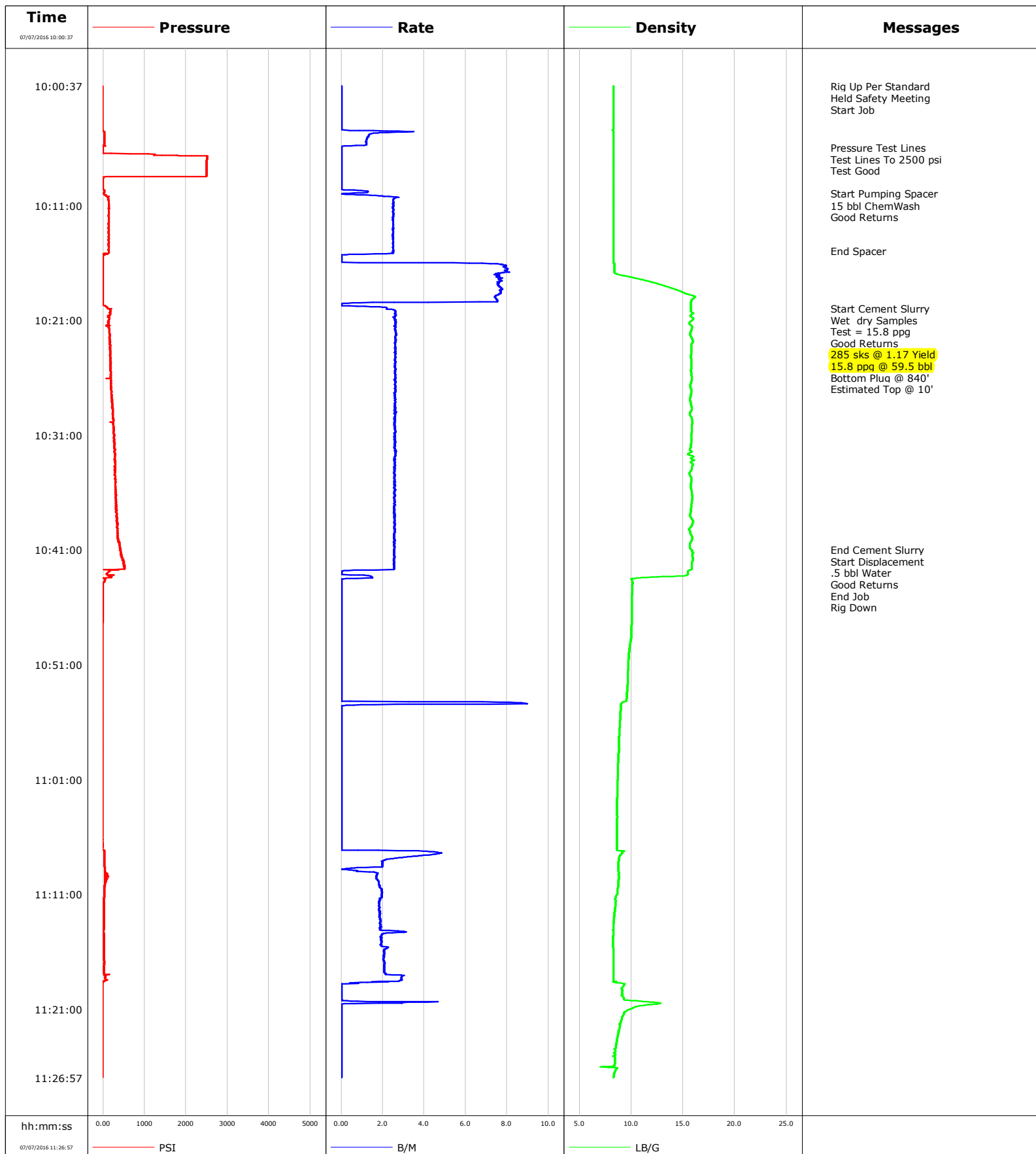
Well			Field		Job Start	Customer	Job Number
Champlin 78 Amoco D1			DJ		Jul/06/2016	Anadarko	DJT7-00310
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/06/2016	10:45:01	109	2.3	15.91	30.9		
07/06/2016	10:45:31	136	2.2	15.77	32.0		
07/06/2016	10:46:01	150	2.3	15.88	33.1		
07/06/2016	10:46:31	173	2.3	15.99	34.2		
07/06/2016	10:47:01	223	2.3	15.83	35.5		
07/06/2016	10:47:31	292	2.4	15.65	36.7		
07/06/2016	10:48:01	292	2.5	16.09	37.9		
07/06/2016	10:48:31	320	2.4	15.97	39.2		
07/06/2016	10:49:01	329	2.4	15.91	40.4		
07/06/2016	10:49:31	338	2.3	16.13	41.6		
07/06/2016	10:50:01	384	2.4	15.26	42.8		
07/06/2016	10:50:31	393	2.3	15.59	44.0		
07/06/2016	10:51:01	425	2.4	16.17	45.2		
07/06/2016	10:51:31	388	2.4	15.52	46.4		
07/06/2016	10:51:31	393	2.3	15.48	46.4		
07/06/2016	10:52:01	443	2.3	16.08	47.6		
07/06/2016	10:52:01	452	2.3	16.08	47.6		
07/06/2016	10:52:31	406	2.3	15.91	48.7		
07/06/2016	10:53:01	457	2.3	15.80	49.9		
07/06/2016	10:53:31	512	2.3	15.80	51.1		
07/06/2016	10:54:01	535	2.3	15.80	52.3		
07/06/2016	10:54:01	544	2.3	15.80	52.3		
07/06/2016	10:54:31	489	2.4	15.79	53.5		
07/06/2016	10:54:38	535	2.4	15.78	53.8	End Cement Slurry	
07/06/2016	10:54:46	558	2.4	15.73	54.1	Reset Total, Vol = 54.08 bbl	
07/06/2016	10:55:01	338	2.2	9.92	0.6		
07/06/2016	10:55:08	4	0.0	9.35	0.6	Start Displacement	
07/06/2016	10:55:09	4	0.0	9.38	0.6	End Displacement	
07/06/2016	10:55:10	4	0.0	9.41	0.6	Reset Total, Vol = 0.5 bbl	
07/06/2016	10:55:31	4	0.0	9.46	0.0		
07/06/2016	10:56:01	4	0.0	9.45	0.0		
07/06/2016	10:56:31	4	0.0	9.44	0.0		
07/06/2016	10:57:31	4	0.0	9.44	0.0		
07/06/2016	10:58:01	4	0.0	9.43	0.0		
07/06/2016	10:58:31	4	0.0	9.41	0.0		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.4	N2	Mud	Maximum Rate 3.2	Total Slurry 54.0	Mud 0.0	Spacer 15.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2805	Final 8	Average 418	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 52.5 bbl		Displacement 0.5 bbl	Mix Water Temp 72 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative			Schlumberger Supervisor Ryan Drilling			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	

Well Champlin 78 Amoco D 1
Field Wattenberg
Engineer Moreland
Country United States

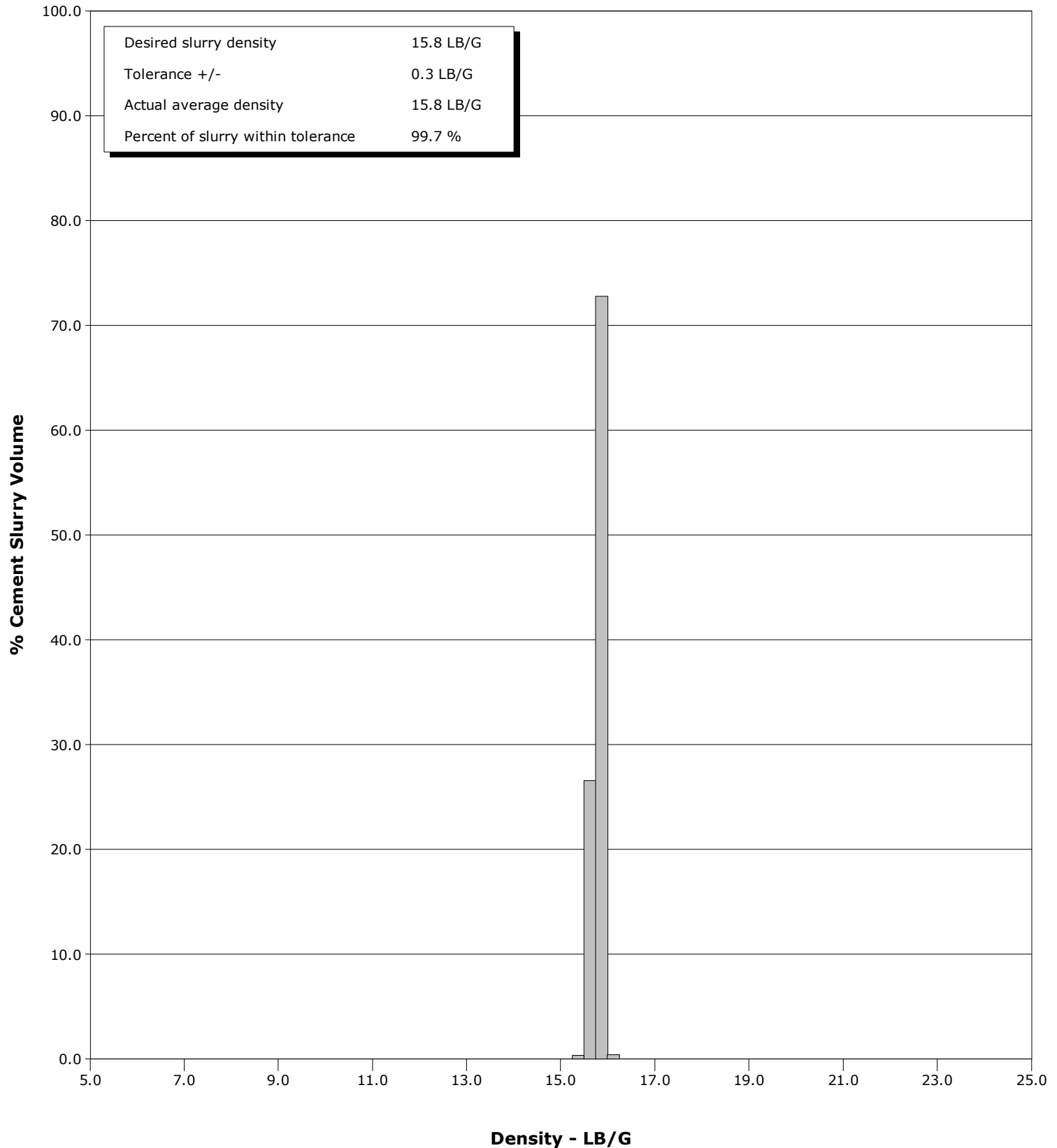
Client Anadarko
SIR No. DJT7-00311
Job Type Plug
Job Date 07-07-2016



Well Champlin 78 Amoco D 1
Field Wattenberg
Engineer Moreland
Country United States

Client Anadarko
SIR No. DJT7-00311
Job Type Plug
Job Date 07-07-2016

Cement Slurry - 07/07/2016 10:20:29 to 07/07/2016 10:40:42



Cementing Service Report

				Customer Anadarko			Job Number DJT7-00311						
Well Champlin 78 Amoco D 1			Location (legal)			Schlumberger Location			Job Start Jul/07/2016				
Field Wattenberg		Formation Name/Type			Deviation deg		Bit Size 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 0631685215		API/UWI											
Rig Name Basic 1549		Drilled For Oil		Service Via Land		Casing/ Liner							
						Depth, ft		Size, in		Weight, lb/ft		Grade	
						251.0		8.6		24.0		J55	
Offshore Zone		Well Class Old		Well Type Workover		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	
						T		840.0		2.4		4.7	
								0.0		0.0		J55	
Service Line Cementing		Job Type Plug		WH Connection		Perforations/Open Hole							
						Top, ft		Bottom, ft		shot/ft		No. of Shots	
						ft		ft				Total Interval ft	
						ft		ft				Diameter in	
						ft		ft					
						Treat Down Tubing		Displacement bbl		Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl		Openhole Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>				Casing Tools				Squeeze Job			
Lift Pressure psi						Shoe Type				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth ft				Tool Type			
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth ft			
Cement Head Type						Stage Tool Depth ft				Tail Pipe Size in			
Job Scheduled For Jul/07/2016		Arrived on Location Jul/07/2016		Leave Location Jul/07/2016		Collar Type				Tail Pipe Depth ft			
						Collar Depth ft				Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume NULL	Message							
07/07/2016	10:00:37	-19	0.0	8.28	9	Rig Up Per Standard							
07/07/2016	10:00:39	-19	0.0	8.28	9	Start Job							
07/07/2016	10:02:37	-15	0.0	8.28	9								
07/07/2016	10:04:37	27	3.5	8.27	4								
07/07/2016	10:06:00	-15	0.0	8.28	4	Pressure Test Lines							
07/07/2016	10:06:37	1235	0.0	8.28	4								
07/07/2016	10:07:00	2503	0.0	8.28	4	Test Lines To 2500 psi							
07/07/2016	10:08:00	2494	0.0	8.28	4	Test Good							
07/07/2016	10:08:37	-1	0.0	8.28	4								
07/07/2016	10:10:00	27	0.1	8.29	4	Start Pumping Spacer							
07/07/2016	10:10:37	136	2.5	8.28	4								
07/07/2016	10:11:00	141	2.5	8.28	4	15 bbl ChemWash							
07/07/2016	10:12:00	132	2.5	8.28	4	Good Returns							
07/07/2016	10:12:37	141	2.5	8.28	4								
07/07/2016	10:14:37	146	2.5	8.28	4								
07/07/2016	10:15:00	136	2.5	8.28	4	End Spacer							
07/07/2016	10:16:37	-5	8.0	8.38	9								
07/07/2016	10:18:37	-5	7.7	15.07	9								
07/07/2016	10:20:00	118	2.2	15.76	4	Start Cement Slurry							
07/07/2016	10:20:37	109	2.6	15.69	4								
07/07/2016	10:21:00	141	2.6	15.92	4	Wet dry Samples							

Well			Field	Job Start		Customer	Job Number
Champlin 78 Amoco D 1			Wattenberg	Jul/07/2016		Anadarko	DJT7-00311
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume NULL	Message	
07/07/2016	10:22:37	155	2.6	15.85	4		
07/07/2016	10:23:00	159	2.6	15.91	4	Good Returns	
07/07/2016	10:24:00	164	2.6	15.77	4	285 sks @ 1.17 Yield	
07/07/2016	10:24:37	173	2.6	15.77	4		
07/07/2016	10:25:00	182	2.6	15.77	4	15.8 ppg @ 59.5 bbl	
07/07/2016	10:26:00	187	2.6	15.84	4	Bottom Plug @ 840'	
07/07/2016	10:26:37	191	2.6	15.71	4		
07/07/2016	10:27:00	191	2.6	15.77	4	Estimated Top @ 10'	
07/07/2016	10:28:37	219	2.6	15.84	4		
07/07/2016	10:30:37	260	2.6	15.84	4		
07/07/2016	10:32:37	283	2.6	15.55	4		
07/07/2016	10:34:37	292	2.6	15.73	4		
07/07/2016	10:36:37	310	2.6	15.88	4		
07/07/2016	10:38:37	333	2.6	15.94	4		
07/07/2016	10:40:37	402	2.5	15.65	4		
07/07/2016	10:41:00	416	2.6	15.82	4	End Cement Slurry	
07/07/2016	10:42:00	498	2.5	15.90	4	Start Displacement	
07/07/2016	10:42:37	521	2.6	15.85	4		
07/07/2016	10:43:00	114	0.0	15.46	4	.5 bbl Water	
07/07/2016	10:44:00	-10	0.0	10.12	4	Good Returns	
07/07/2016	10:44:37	-10	0.0	10.08	4		
07/07/2016	10:45:00	-10	0.0	10.07	4	End Job	
07/07/2016	10:46:00	-10	0.0	10.05	4	Rig Down	
07/07/2016	10:46:37	-10	0.0	10.07	4		
07/07/2016	10:48:37	-15	0.0	9.99	4		
07/07/2016	10:50:37	-15	0.0	9.73	4		
07/07/2016	10:52:37	-15	0.0	9.64	4		
07/07/2016	10:54:37	-15	0.0	8.99	4		
07/07/2016	10:56:37	-15	0.0	8.87	4		
07/07/2016	10:58:37	-15	0.0	8.79	4		
07/07/2016	11:00:37	-15	0.0	8.70	4		
07/07/2016	11:02:37	-15	0.0	8.63	4		
07/07/2016	11:04:37	-15	0.0	8.63	4		
07/07/2016	11:06:37	-10	0.0	8.61	4		
07/07/2016	11:08:37	45	2.0	8.76	4		
07/07/2016	11:10:37	36	2.0	8.66	4		
07/07/2016	11:12:37	17	1.9	8.38	4		
07/07/2016	11:14:37	13	1.9	8.25	4		
07/07/2016	11:16:37	22	2.0	8.29	4		
07/07/2016	11:18:37	8	1.5	8.24	4		
07/07/2016	11:20:37	-24	0.0	11.59	4		
07/07/2016	11:22:37	-19	0.0	8.87	4		
07/07/2016	11:24:37	-15	0.0	8.47	4		

Well Champlin 78 Amoco D 1	Field Wattenberg	Job Start Jul/07/2016	Customer Anadarko	Job Number DJT7-00311
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.5	N2	Mud	Maximum Rate 2.6	Total Slurry 59.5	Mud 0.0	Spacer 15.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2517	Final 0	Average 268	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 0.5 bbl	Mix Water Temp 66 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume bbl			
				Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative Mike Lee			Schlumberger Supervisor Moreland		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		