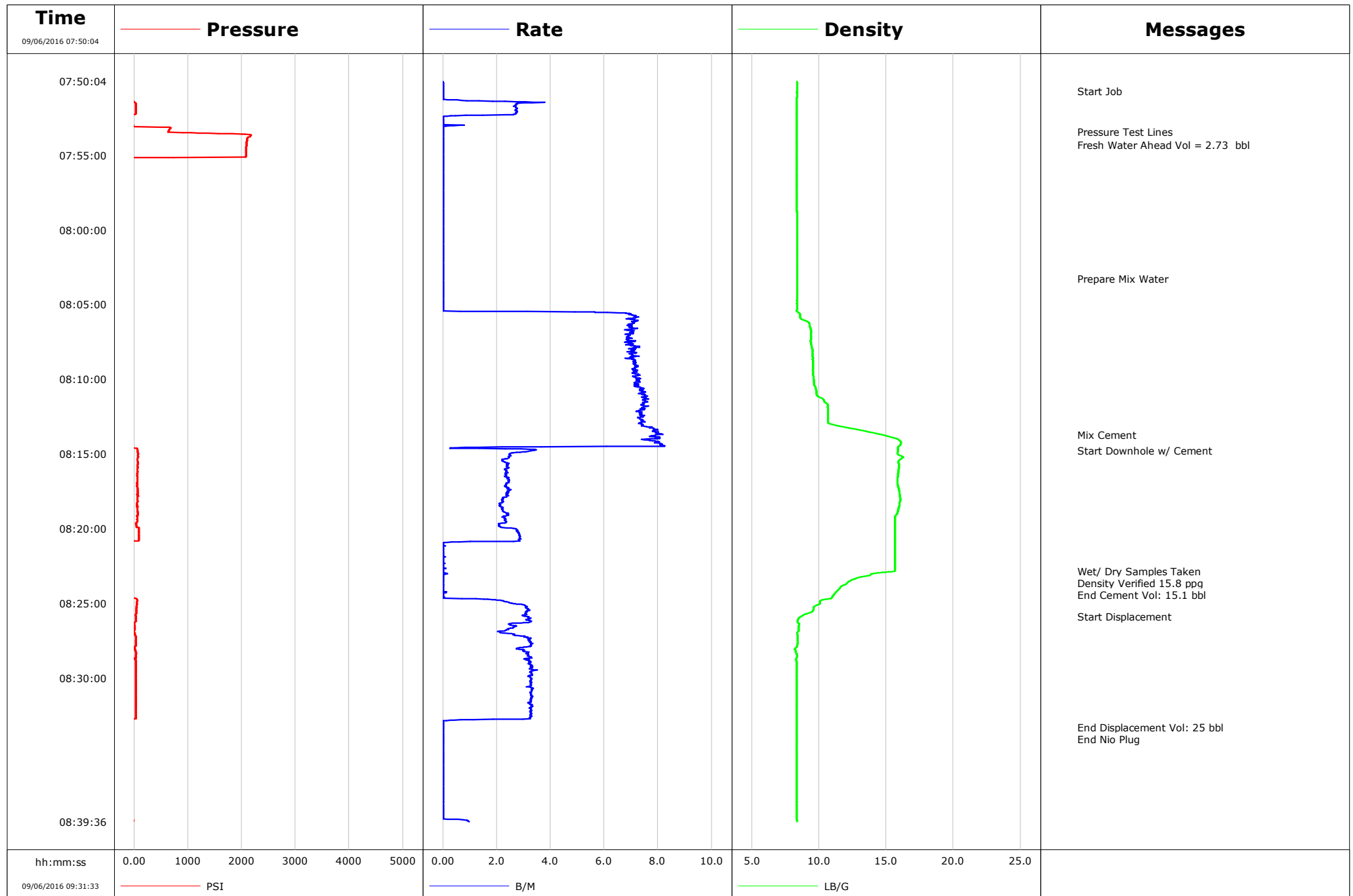


Well
Field
Engineer
Country

HOLTON THOMAS UNIT - 1
Old 10
Billy Barg
United States

Client
SIR No.
Job Type
Job Date

ANADARKO PETROLEUM COMPANY
D5VO-01544
Plug
09-06-2016



Cementing Service Report

				Customer ANADARKO PETROLEUM COMPANY			Job Number D5VO-01544		
Well HOLTON THOMAS UNIT - 1		Location (legal) Cheyenne, PPS		Schlumberger Location Grande Prairie		Job Start Sep/06/2016			
Field Old 10		Formation Name/Type		Deviation deg	Bit Size in	Well MD 7370.0 ft		Well TVD 7370.0 ft	
County Weld		State/Province Colorado		BHP psi	BHST 220 degF	BHCT 210 degF	Pore Press. Gradient lb/gal		
Well Master 0630134186		API/UWI 05123154690001							
Rig Name Basic 1662	Drilled For	Service Via	Casing/ Liner						
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class Old	Well Type Workover	7370.0	0.0	0.0				
			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	
Service Line Cementing	Job Type Plug			T	7370.0 7360	2.4	4.7	J55	
					0.0	0.0	0.0		
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection Swadge - 2 3/8"	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 Tubing	Displacement bbl	Packer Type	Packer Depth ft			
			Tubing Vol. 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 Sep/06/2016 07:00		Arrived on Location Sep/06/2016 07:00		Leave Location Sep/06/2016 09:30		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			
09/06/2016	07:50:04	-28	0.0	8.39	0.0				
09/06/2016	07:50:45	-28	0.0	8.38	0.0	Start Job			
09/06/2016	07:52:04	31	2.8	8.35	1.9				
09/06/2016	07:53:26	635	0.0	8.35	2.7	Pressure Test Lines			
09/06/2016	07:54:04	2096	0.0	8.35	2.7				
09/06/2016	07:54:19	2086	0.0	8.35	2.7	Fresh Water Ahead Vol = 2.73 bbl			
09/06/2016	07:58:04	-33	0.0	8.35	2.7				
09/06/2016	08:00:04	-38	0.0	8.36	2.7				
09/06/2016	08:03:17	-28	0.0	8.36	2.7	Prepare Mix Water			
09/06/2016	08:04:04	-24	0.0	8.36	2.7				
09/06/2016	08:06:04	-33	7.2	8.92	2.7				
09/06/2016	08:10:04	-33	7.3	9.62	2.7				
09/06/2016	08:12:04	-28	7.4	10.66	2.7				
09/06/2016	08:13:45	-28	7.9	14.78	2.7	Mix Cement			
09/06/2016	08:14:46	63	3.4	15.86	3.1	Start Downhole w/ Cement			
09/06/2016	08:16:04	68	2.3	15.92	6.3				
09/06/2016	08:18:04	63	2.2	16.04	11.1				
09/06/2016	08:22:04	-33	0.0	15.65	17.9				
09/06/2016	08:22:50	-33	0.0	15.65	17.9	Wet/ Dry Samples Taken			
09/06/2016	08:22:51	-33	0.0	15.65	17.9	Density Verified 15.8 ppg			
09/06/2016	08:23:03	-33	0.1	13.86	17.9	End Cement Vol: 15.1 bbl			

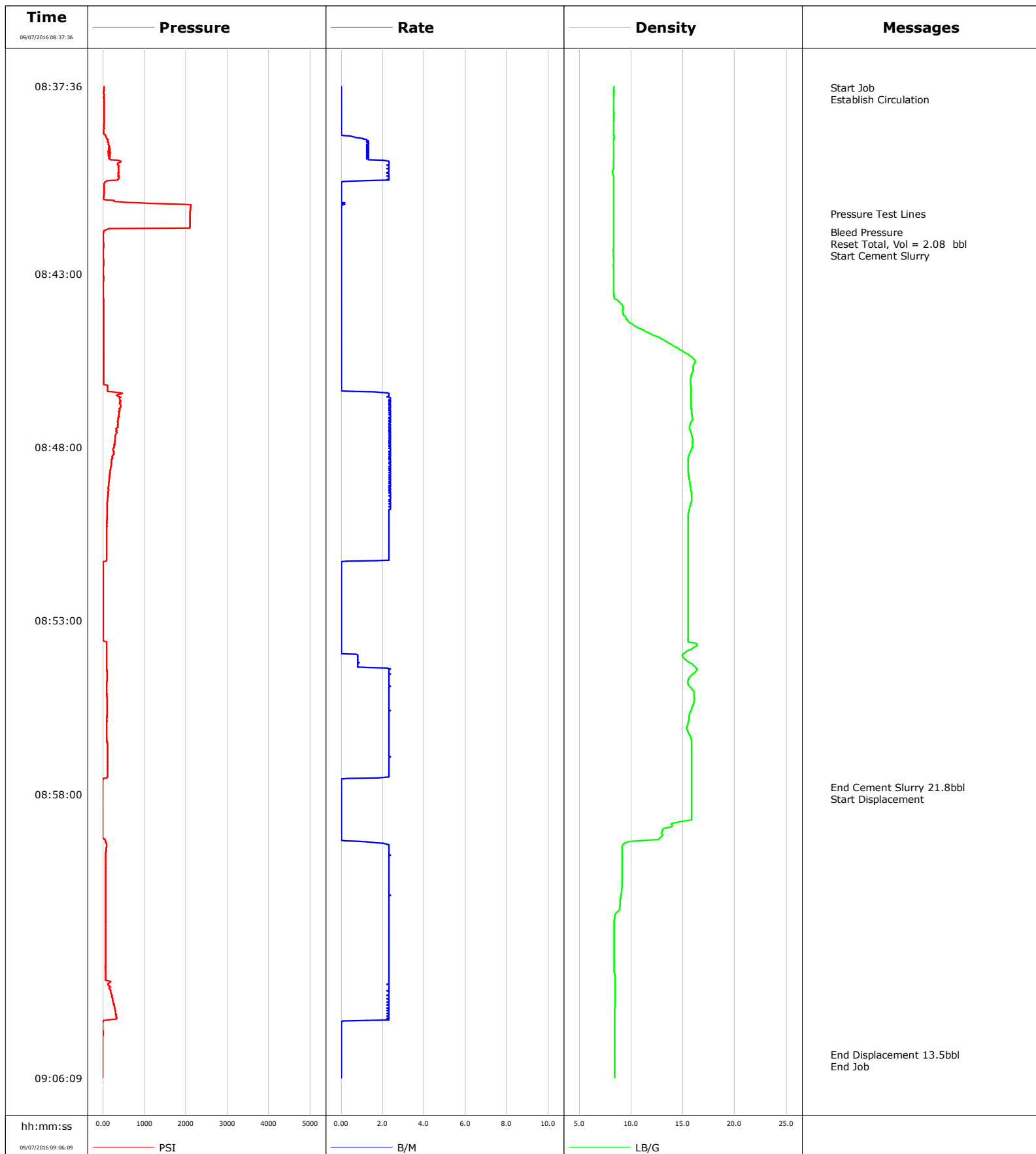
Well			Field		Job Start		Customer		Job Number	
HOLTON THOMAS UNIT - 1			Old 10		Sep/06/2016		ANADARKO PETROLEUM COMPANY		D5VO-01544	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/06/2016	08:25:53	40	3.1	8.67	21.3	Start Displacement				
09/06/2016	08:26:04	36	3.2	8.45	21.9					
09/06/2016	08:28:04	22	2.8	8.20	27.6					
09/06/2016	08:30:04	36	3.3	8.35	34.0					
09/06/2016	08:32:04	36	3.3	8.35	40.6					
09/06/2016	08:33:17	-33	0.0	8.35	42.9					
09/06/2016	08:33:39	-33	0.0	8.35	42.9	End Displacement Vol: 25 bbl				
09/06/2016	08:34:04	-33	0.0	8.35	42.9	End Nio Plug				
09/06/2016	08:36:04	-28	0.0	8.35	42.9					
09/06/2016	08:38:04	-24	0.0	8.35	42.9					
09/06/2016	08:40:04	-24	0.2	8.35	43.9					
09/06/2016	08:44:04	-24	0.0	8.36	43.9					
09/06/2016	08:46:04	-24	0.0	8.35	43.9					
09/06/2016	08:50:04	-28	0.0	8.35	43.9					
09/06/2016	08:52:04	-28	0.0	8.35	43.9					
09/06/2016	08:54:04	-28	0.0	8.35	43.9					
09/06/2016	08:56:04	-28	0.0	8.35	43.9					
09/06/2016	08:58:04	-28	0.0	8.35	43.9					
09/06/2016	09:02:04	-24	0.0	8.35	43.9					
09/06/2016	09:04:04	-24	0.0	8.35	43.9					
09/06/2016	09:06:04	-24	0.0	8.35	43.9					
09/06/2016	09:08:04	-24	0.0	8.35	43.9					
09/06/2016	09:10:04	-28	0.0	8.35	43.9					
09/06/2016	09:14:04	-24	0.0	8.35	43.9					
09/06/2016	09:16:04	-24	0.0	8.35	43.9					
09/06/2016	09:18:04	-24	0.0	8.35	43.9					
09/06/2016	09:22:04	-24	0.0	8.35	43.9					
09/06/2016	09:24:04	-24	0.0	8.35	43.9					
09/06/2016	09:28:04	-24	0.0	8.35	43.9					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.2	N2	Mud	Maximum Rate 8.2		Total Slurry 15.1	Mud 0.0	Spacer 2.6	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 2173	Final -24	Average 252	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 14.9 bbl	Displacement 25.0 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative			Schlumberger Supervisor Billy Barg			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					

Well Holton Thomas Unit 1
Field DJ
Engineer Chris Valerio
Country United States

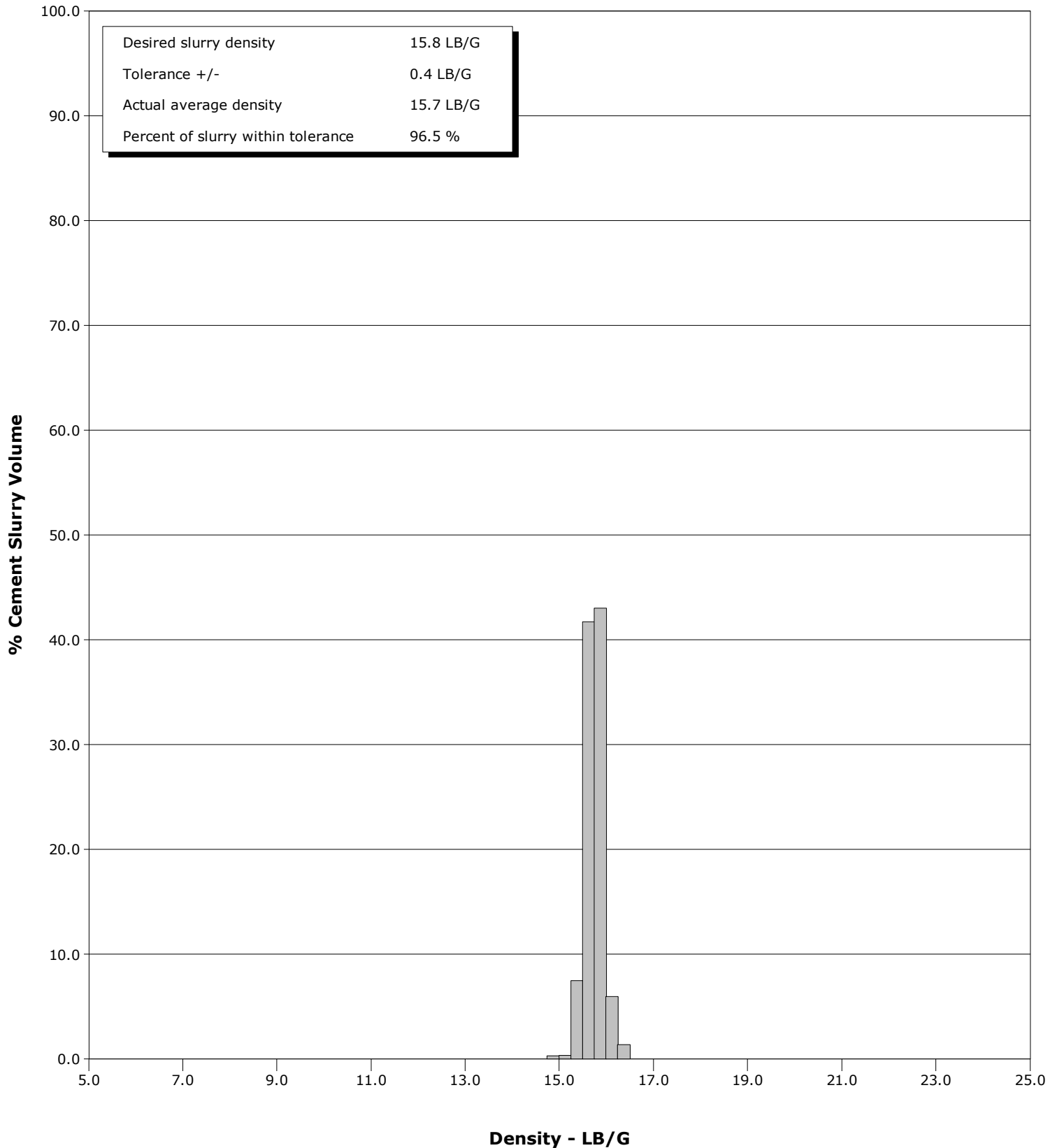
Client Anadarko
SIR No. D5VO-01544
Job Type Sussex Plug
Job Date 09-07-2016



Well Holton Thomas Unit 1
Field DJ
Engineer Chris Valerio
Country United States

Client Anadarko
SIR No. D5VO-01544
Job Type Sussex Plug
Job Date 09-07-2016

Cement Slurry - 09/07/2016 08:45:31 to 09/07/2016 08:58:09



Cementing Service Report

				Customer Anadarko			Job Number D5VO-01544				
Well Holton Thomas Unit 1 Unit 1			Location (legal)			Schlumberger Location			Job Start Sep/07/2016		
Field DJ		Formation Name/Type		Deviation deg		Bit Size in		Well MD 4780.0 ft		Well TVD 4780.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 165 degF		BHCT 155 degF		Pore Press. Gradient lb/gal	
Well Master 630134186		API/UWI 05123154690001									
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		4780.0		5.5		17.0	
						0.0		0.0		0.0	
Drilling Fluid Type Other		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 Sussex Plug				T		4780.0		2.4	
										4.7	
										J55	
										8RD	
Max. Allowed Tub. Press 1000 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 13.5 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. 18.4 bbl		Casing Vol. 110.0 bbl		Annular Vol. 85.0 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 Sep/07/2016 07:00		Arrived on Location Sep/07/2016 07:00		Leave Location Sep/07/2016 10:00		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					
09/07/2016	08:37:36	27	0.0	8.35	0.0	Started Acquisition					
09/07/2016	08:37:39	27	0.0	8.35	0.0	Start Job					
09/07/2016	08:37:51	27	0.0	8.35	0.0	Establish Circulation					
09/07/2016	08:41:17	2105	0.0	8.35	2.1	Pressure Test Lines					
09/07/2016	08:41:48	17	0.0	8.35	2.1	Bleed Pressure					
09/07/2016	08:41:52	8	0.0	8.33	2.1	Reset Total, Vol = 2.08 bbl					
09/07/2016	08:41:56	4	0.0	8.33	0.0	Start Cement Slurry					
09/07/2016	08:42:36	13	0.0	8.32	0.0						
09/07/2016	08:47:36	333	2.4	15.79	2.8						
09/07/2016	08:52:36	4	0.0	15.51	11.4						
09/07/2016	08:57:36	-1	0.0	15.82	19.0						
09/07/2016	08:57:47	-1	0.0	15.82	19.0	End Cement Slurry 21.8bbl					
09/07/2016	08:57:58	-1	0.0	15.82	0.0	Start Displacement					
09/07/2016	09:02:36	63	2.3	8.35	7.4						
09/07/2016	09:05:28	-1	0.0	8.43	11.8	End Displacement 13.5bbl					

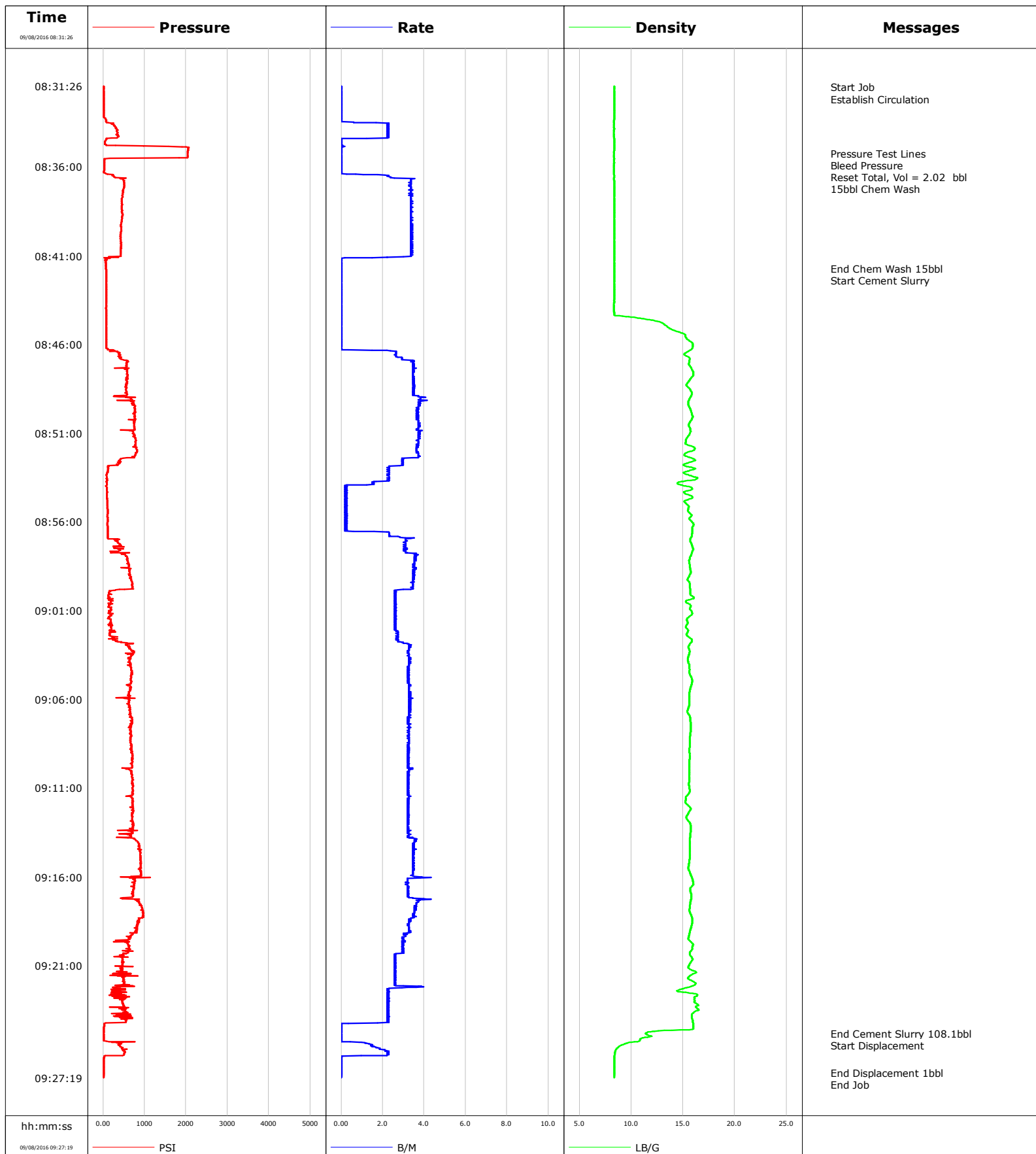
Well Holton Thomas Unit 1 Unit 1	Field DJ	Job Start Sep/07/2016	Customer Anadarko	Job Number D5VO-01544
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.2	N2	Mud	Maximum Rate 2.4		Total Slurry 21.8	Mud 0.0	Spacer 2.2	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 486	Final -1	Average 155	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 21.8 bbl	Displacement 13.5 bbl	Mix Water Temp 67 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Traux Deal			Schlumberger Supervisor Chris Valerio			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-

Well Holton Thomas Unit 1
Field DJ
Engineer Chris Valerio
Country United States

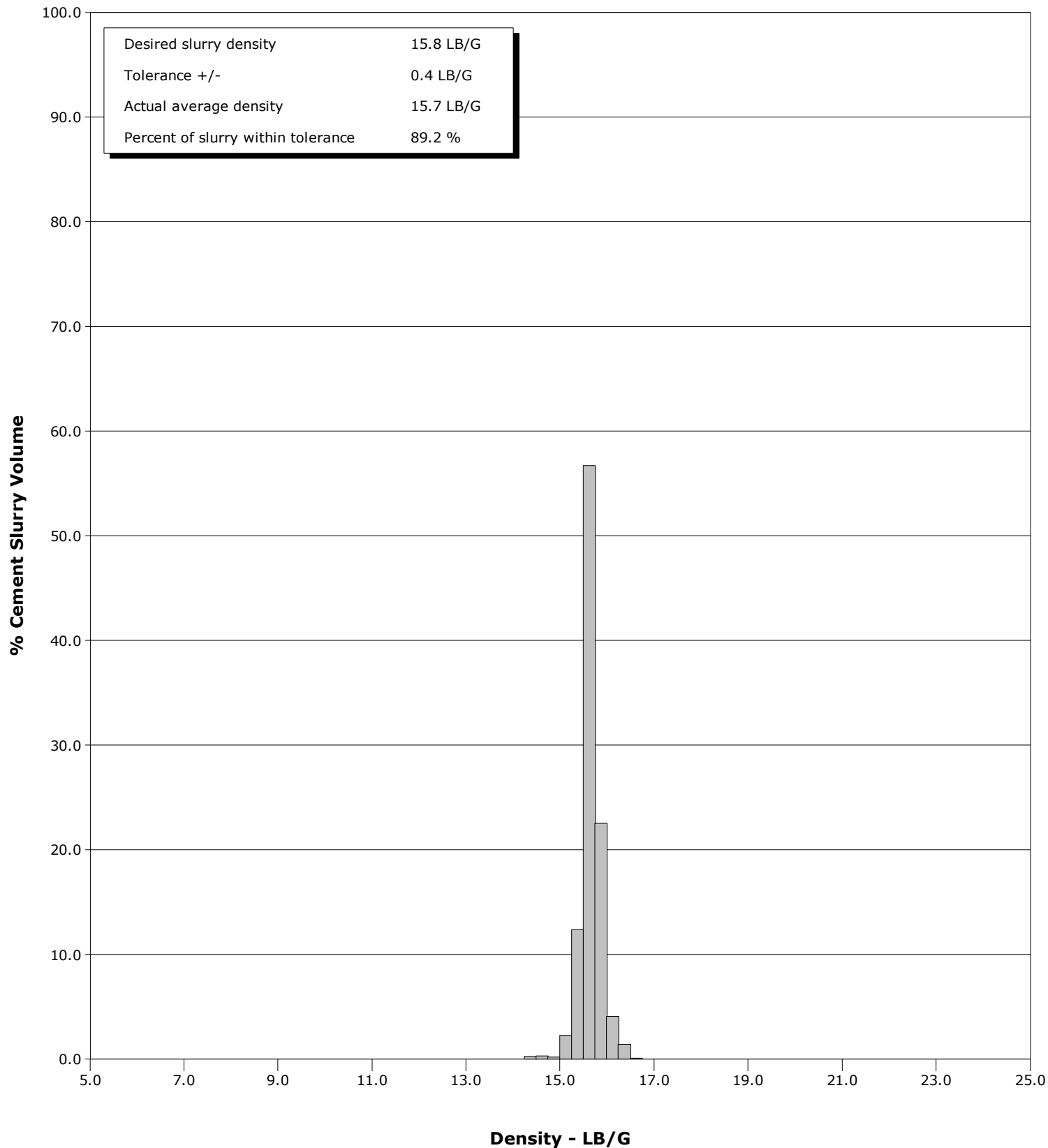
Client Anadarko
SIR No. D5VO-01546
Job Type Stub Plug
Job Date 09-08-2016



Well Holton Thomas Unit 1
Field DJ
Engineer Chris Valerio
Country United States

Client Anadarko
SIR No. D5VO-01546
Job Type Stub Plug
Job Date 09-08-2016

Cement Slurry - 09/08/2016 08:45:41 to 09/08/2016 09:24:36



Cementing Service Report

				Customer Anadarko			Job Number D5VO-01546				
Well Holton Thomas Unit 1 Unit 1			Location (legal)			Schlumberger Location			Job Start Sep/08/2016		
Field DJ		Formation Name/Type Shale		Deviation deg		Bit Size 11.5 in		Well MD 1560.0 ft		Well TVD 1560.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal	
Well Master 630134186		API/UWI 05123154690001									
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		888.0		8.6		24.0	
						1570.0		5.5		17.0	
										J55	
										8RD	
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 Stub Plug				T		1560.0		2.4	
										4.7	
										J55	
										8RD	
Max. Allowed Tub. Press 1000 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		ft		Diameter in	
						ft		ft			
						Treat Down Tubing		Displacement 1.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. 6.0 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 Sep/08/2016 07:00		Arrived on Location Sep/08/2016 07:00		Leave Location Sep/08/2016 10:30		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					
09/08/2016	08:31:26	17	0.0	8.35	0.0	Started Acquisition					
09/08/2016	08:31:30	22	0.0	8.35	0.0	Start Job					
09/08/2016	08:31:39	22	0.0	8.35	0.0	Establish Circulation					
09/08/2016	08:35:15	2045	0.0	8.35	2.0	Pressure Test Lines					
09/08/2016	08:35:35	45	0.0	8.35	2.0	Bleed Pressure					
09/08/2016	08:35:39	31	0.0	8.35	2.0	Reset Total, Vol = 2.02 bbl					
09/08/2016	08:35:52	27	0.0	8.35	0.0	15bbl Chem Wash					
09/08/2016	08:36:26	242	1.1	8.35	0.0						
09/08/2016	08:41:26	72	0.0	8.35	15.5						
09/08/2016	08:41:43	72	0.0	8.35	15.5	End Chem Wash 15bbl					
09/08/2016	08:41:51	72	0.0	8.35	0.0	Start Cement Slurry					
09/08/2016	08:46:26	352	2.7	15.39	0.3						
09/08/2016	08:51:26	796	3.7	15.27	18.0						
09/08/2016	08:56:26	109	0.2	15.89	25.8						
09/08/2016	09:01:26	146	2.7	15.43	40.8						
09/08/2016	09:06:26	622	3.4	15.55	56.3						
09/08/2016	09:11:26	631	3.3	15.39	72.6						
09/08/2016	09:16:26	764	3.1	15.98	89.3						
09/08/2016	09:21:26	242	2.6	16.14	105.0						
09/08/2016	09:24:50	22	0.0	11.37	111.7	End Cement Slurry 108.1bbl					
09/08/2016	09:24:56	22	0.0	11.69	0.0	Start Displacement					

Well Holton Thomas Unit 1 Unit 1			Field DJ		Job Start Sep/08/2016		Customer Anadarko		Job Number D5VO-01546	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Stg Volume BBL		Message
09/08/2016	09:27:01	22		0.0		8.38		1.4		End Displacement 1bbl

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 2.9	N2	Mud	Maximum Rate 4.3		Total Slurry 108.1	Mud 0.0	Spacer 15.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 1037	Final 27	Average 463	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 108.1 bbl		Displacement 1.0 bbl		Mix Water Temp 68 degF		Cement Circulated to Surface?	<input type="checkbox"/>	Volume bbl	
								Washed Thru Perfs		<input type="checkbox"/>	To ft
Customer or Authorized Representative Traux Deal				Schlumberger Supervisor Chris Valerio				Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-	