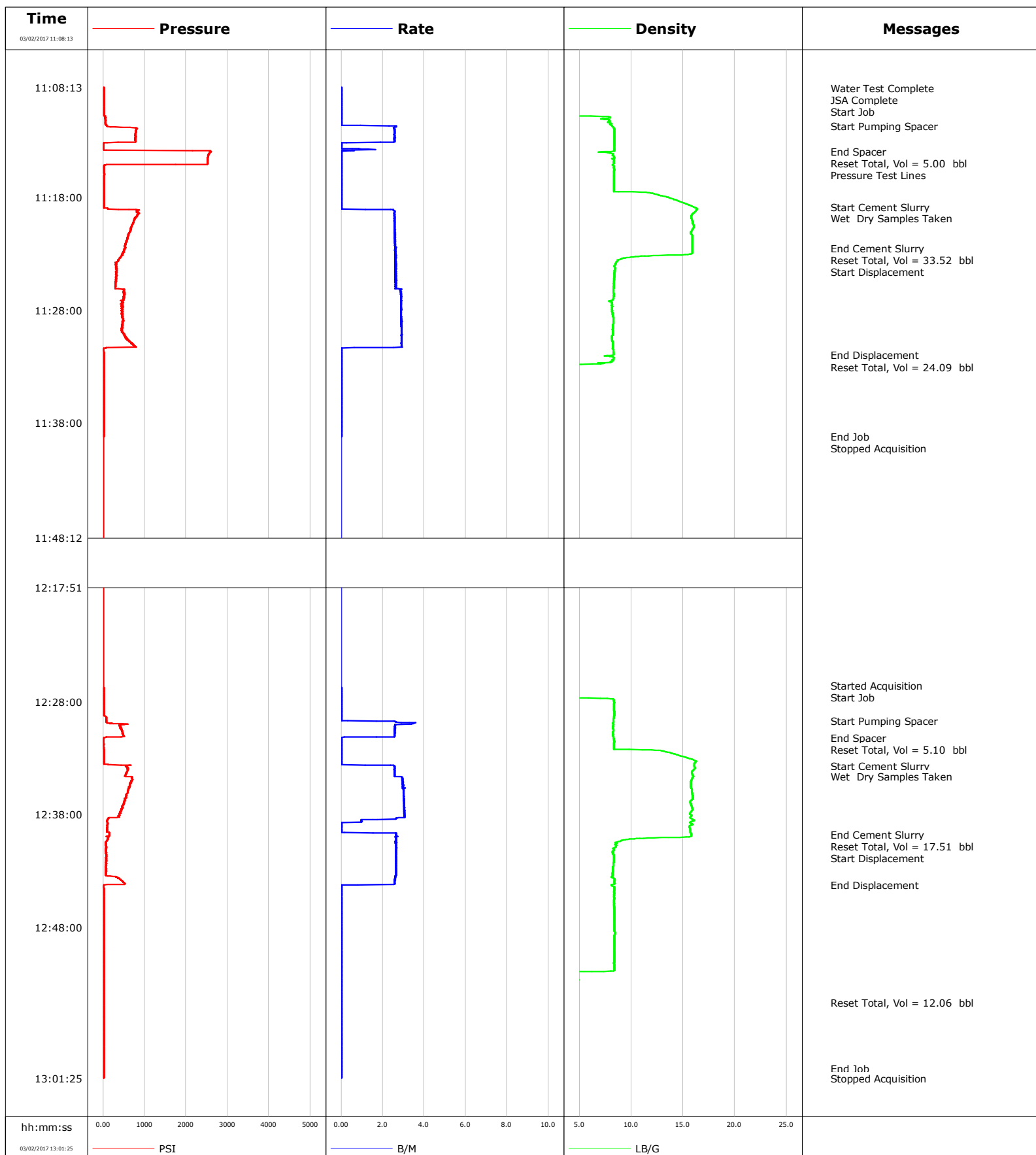


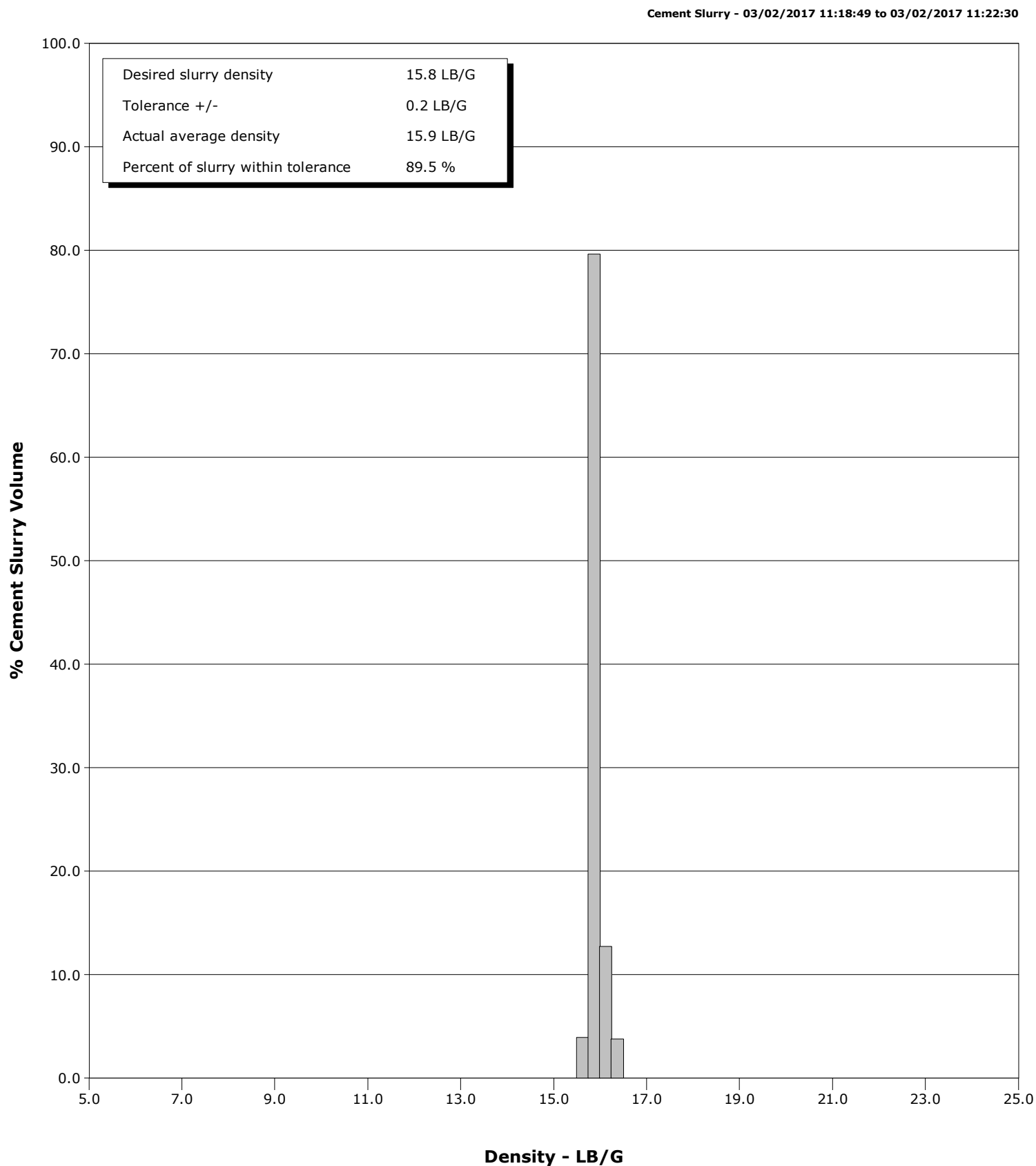
Well WHISTON 8-4
Field DJ
Engineer Wayne Silvester
Country United States

Client ANADARKO
SIR No. DA6T-00658
Job Type Nio Sussex Plugs
Job Date 03-02-2017



Well WHISTON 8-4
Field DJ
Engineer Wayne Silvester
Country United States

Client ANADARKO
SIR No. DA6T-00658
Job Type Nio Sussex Plugs
Job Date 03-02-2017



Cementing Service Report

				Customer ANADARKO			Job Number DA6T-00658	
Well WHISTON 8-4			Location (legal) 217304		Schlumberger Location Cheyenne		Job Start Mar/02/2017	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD 7385.0 ft		Well TVD 7385.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 220 degF	BHCT 210 degF	Pore Press. Gradient lb/gal	
Well Master 0630692670		API/UWI 512322951						
Rig Name Concord 4	Drilled For Oil & Gas	Service Via Land	Casing/ Liner					
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class Old	Well Type Workover	7385.0	4.5	11.6	N/A	N/A	
			4960.0	4.5	11.6	N/A	N/A	
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe				
				T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
					7385.0	2.4	4.7	N/A
					4960.0	0.0	4.7	N/A
Service Line Cementing		Job Type Nio & Sussex Plugs		Perforations/Open Hole				
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection 2 3/8" 4.7# T/S	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft	
Service Instructions Nio Plug = 40 sks 1.53 ft³/sk 6.350 gps = 10.8 bbls Est Toc = 6741 ft Spacer 5 bbls CMT 10.8 bbls Displace 24 bbls Sussex Plug = 64 sks 1.53 ft³/sk 6.354 gps = 17.4 bbls Est Toc = 3840 ft Spacer 5 bbls CMT 17.4 bbls Displace 12 bbls			ft	ft				
			ft	ft				
			ft	ft				
			Treat Down Tubing	Displacement 36.0 bbl	Packer Type	Packer Depth ft		
Tubing Vol. 36.0 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 Mar/02/2017		Arrived on Location Mar/02/2017		Leave Location Mar/02/2017		Collar Type		Tail Pipe Depth ft
						Collar Depth ft		Sqz. Total Vol. bbl
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message		
03/02/2017	11:08:13	0.0	0.01	0.0	17	Started Acquisition		
03/02/2017	11:08:16	0.0	0.01	0.0	17	Water Test Complete		
03/02/2017	11:08:17	0.0	0.01	0.0	17	Start Job		
03/02/2017	11:11:41	2.7	8.15	0.1	95	Start Pumping Spacer		
03/02/2017	11:13:14	0.0	8.37	3.8	8			
03/02/2017	11:13:55	0.0	8.31	4.0	2599	End Spacer		
03/02/2017	11:14:20	0.0	8.31	4.0	2531	Reset Total, Vol = 5.00 bbl		
03/02/2017	11:14:36	0.0	8.26	4.0	2517	Pressure Test Lines		
03/02/2017	11:18:15	0.0	14.37	4.0	17			
03/02/2017	11:18:49	0.0	15.94	4.0	17	Start Cement Slurry		
03/02/2017	11:18:52	0.0	16.07	4.0	17	Wet Dry Samples Taken		
03/02/2017	11:22:30	2.6	15.88	12.9	521	End Cement Slurry		
03/02/2017	11:22:38	2.6	15.88	13.2	503	Reset Total, Vol = 33.52 bbl		
03/02/2017	11:23:05	2.6	15.23	14.4	452	Start Displacement		
03/02/2017	11:23:16	2.6	10.41	14.9	429			
03/02/2017	11:28:17	2.9	8.19	28.7	448			
03/02/2017	11:31:59	0.0	8.30	37.5	17	End Displacement		
03/02/2017	11:32:12	0.0	8.31	37.5	17	Reset Total, Vol = 24.09 bbl		
03/02/2017	11:33:18	0.0	0.01	37.5	13			
03/02/2017	11:38:19	0.0	0.01	37.5	17			
03/02/2017	11:39:10	0.0	0.01	37.5	17	End Job		

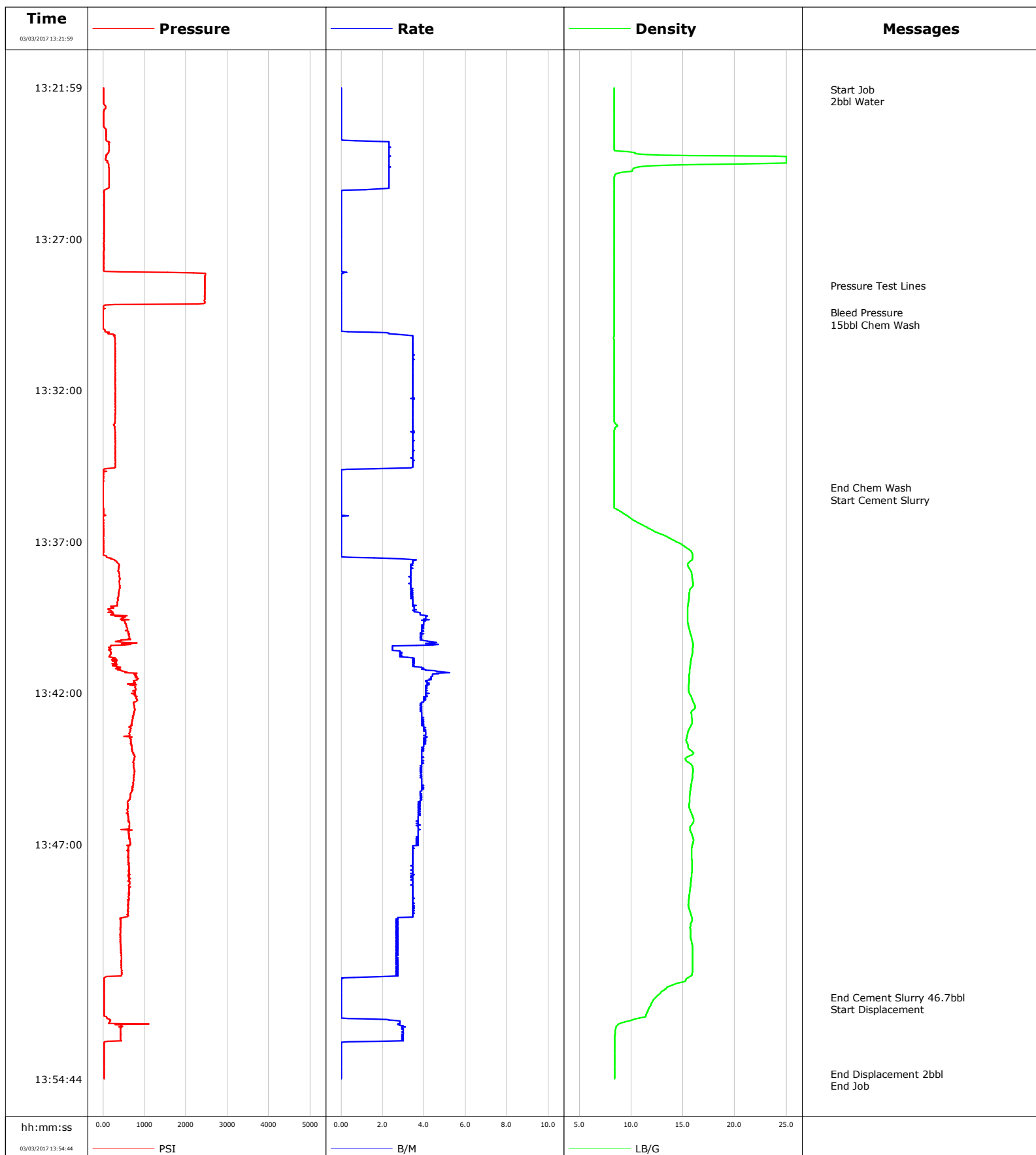
Well			Field		Job Start	Customer		Job Number
WHISTON 8-4			DJ		Mar/02/2017	ANADARKO		DA6T-00658
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message		
03/02/2017	12:26:47	0.0	0.01	0.0	17	Start Job		
03/02/2017	12:28:29	0.0	8.33	0.0	17			
03/02/2017	12:29:40	0.0	8.31	0.0	72	Start Pumping Spacer		
03/02/2017	12:31:11	0.0	8.27	3.8	17	End Spacer		
03/02/2017	12:31:12	0.0	8.27	3.8	13	Reset Total, Vol = 5.10 bbl		
03/02/2017	12:33:30	0.0	16.08	3.8	13			
03/02/2017	12:33:43	2.6	16.10	4.1	576	Start Cement Slurry		
03/02/2017	12:34:37	2.6	15.96	6.4	521	Wet Dry Samples Taken		
03/02/2017	12:38:31	1.0	16.07	17.9	104			
03/02/2017	12:39:48	2.6	15.78	18.6	155	End Cement Slurry		
03/02/2017	12:39:49	2.6	15.78	18.6	159	Reset Total, Vol = 17.51 bbl		
03/02/2017	12:40:02	2.6	14.69	19.2	123	Start Displacement		
03/02/2017	12:43:32	2.6	8.18	28.4	320			
03/02/2017	12:44:16	0.0	8.09	30.3	13	End Displacement		
03/02/2017	12:48:33	0.0	8.41	30.3	17			
03/02/2017	12:53:34	0.0	0.01	30.3	17			
03/02/2017	12:54:42	0.0	0.01	30.3	17	Reset Total, Vol = 12.06 bbl		
03/02/2017	12:58:35	0.0	0.01	30.3	22			
03/02/2017	13:00:34	0.0	0.01	30.3	22	End Job		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 2.7	N2	Mud	Maximum Rate 3.6	Total Slurry 28.5	Mud 0.0	Spacer 10.3	N2			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 709	Final 22	Average 126	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 28.0 bbl		Displacement 36.0 bbl		Mix Water Temp 50 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"/>		
Socorro Olivas			Wayne Silvester			-		-		

Well Whiston
Field DJ
Engineer Chris Valerio
Country United States

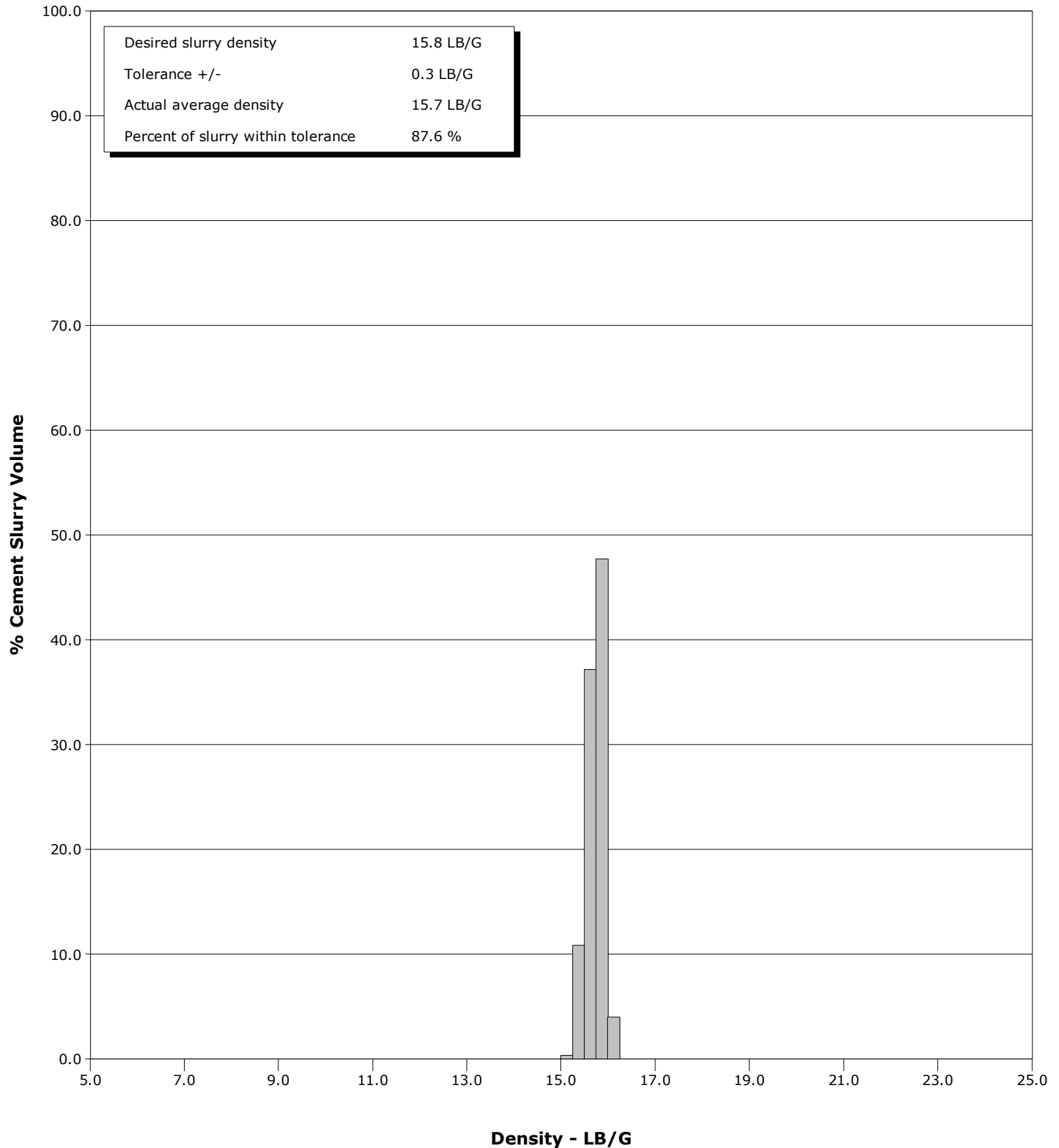
Client Anadarko
SIR No. DA6T-00660
Job Type Stub Plug
Job Date 03-03-2017



Well Whiston
Field DJ
Engineer Chris Valerio
Country United States

Client Anadarko
SIR No. DA6T-00660
Job Type Stub Plug
Job Date 03-03-2017

Cement Slurry - 03/03/2017 13:37:36 to 03/03/2017 13:51:21



Cementing Service Report

				Customer Anadarko			Job Number DA6T-00660		
Well Whiston 8-4			Location (legal)		Schlumberger Location			Job Start Mar/03/2017	
Field DJ		Formation Name/Type Shale		Deviation deg		Bit Size 7.9 in		Well MD 1172.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 90 degF		BHCT 80 degF	
Well Master 0630692670		API/UWI 512322951						Pore Press. Gradient lb/gal	
Rig Name Concord #4		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		766.0		8.6	
						1172.0		4.5	
						24.0		J55	
						11.6		M80	
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		1172.0	
						0.0		0.0	
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	
						ft		ft	
						ft		ft	
						ft		ft	
						Treat Down Tubing		Displacement 2.0 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. 4.5 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 Mar/03/2017 13:00		Arrived on Location Mar/03/2017 13:00		Leave Location Mar/03/2017 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			
03/03/2017	13:21:59	17	0.0	8.37	0.0	Started Acquisition			
03/03/2017	13:22:03	17	0.0	8.37	0.0	Start Job			
03/03/2017	13:22:09	17	0.0	8.37	0.0	2bbl Water			
03/03/2017	13:26:59	22	0.0	8.38	3.7				
03/03/2017	13:28:32	2453	0.0	8.35	3.7	Pressure Test Lines			
03/03/2017	13:29:26	8	0.0	8.37	3.7	Bleed Pressure			
03/03/2017	13:29:39	4	0.0	8.36	0.0	15bbl Chem Wash			
03/03/2017	13:31:59	292	3.5	8.38	6.5				
03/03/2017	13:35:13	8	0.0	8.38	15.5	End Chem Wash			
03/03/2017	13:35:21	8	0.0	8.38	0.0	Start Cement Slurry			
03/03/2017	13:36:59	8	0.0	14.24	0.0				
03/03/2017	13:41:59	777	4.1	15.59	16.3				
03/03/2017	13:46:59	663	3.7	15.95	35.6				
03/03/2017	13:51:59	27	0.0	12.59	49.3				
03/03/2017	13:52:03	27	0.0	12.38	49.3	End Cement Slurry 46.7bbl			
03/03/2017	13:52:11	27	0.0	12.06	0.0	Start Displacement			
03/03/2017	13:54:34	31	0.0	8.42	2.1	End Displacement 2bbl			

Well Whiston 8-4	Field DJ	Job Start Mar/03/2017	Customer Anadarko	Job Number DA6T-00660
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 3.4	N2	Mud	Maximum Rate 5.2		Total Slurry 46.7	Mud 0.0	Spacer 19.2	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 819	Final 36	Average 380	Bump Plug to	Breakdown	Type		Volume bbl	Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 46.7 bbl		Displacement 2.0 bbl		Mix Water Temp 60 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Socorro Olivas				Schlumberger Supervisor Chris Valerio				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-