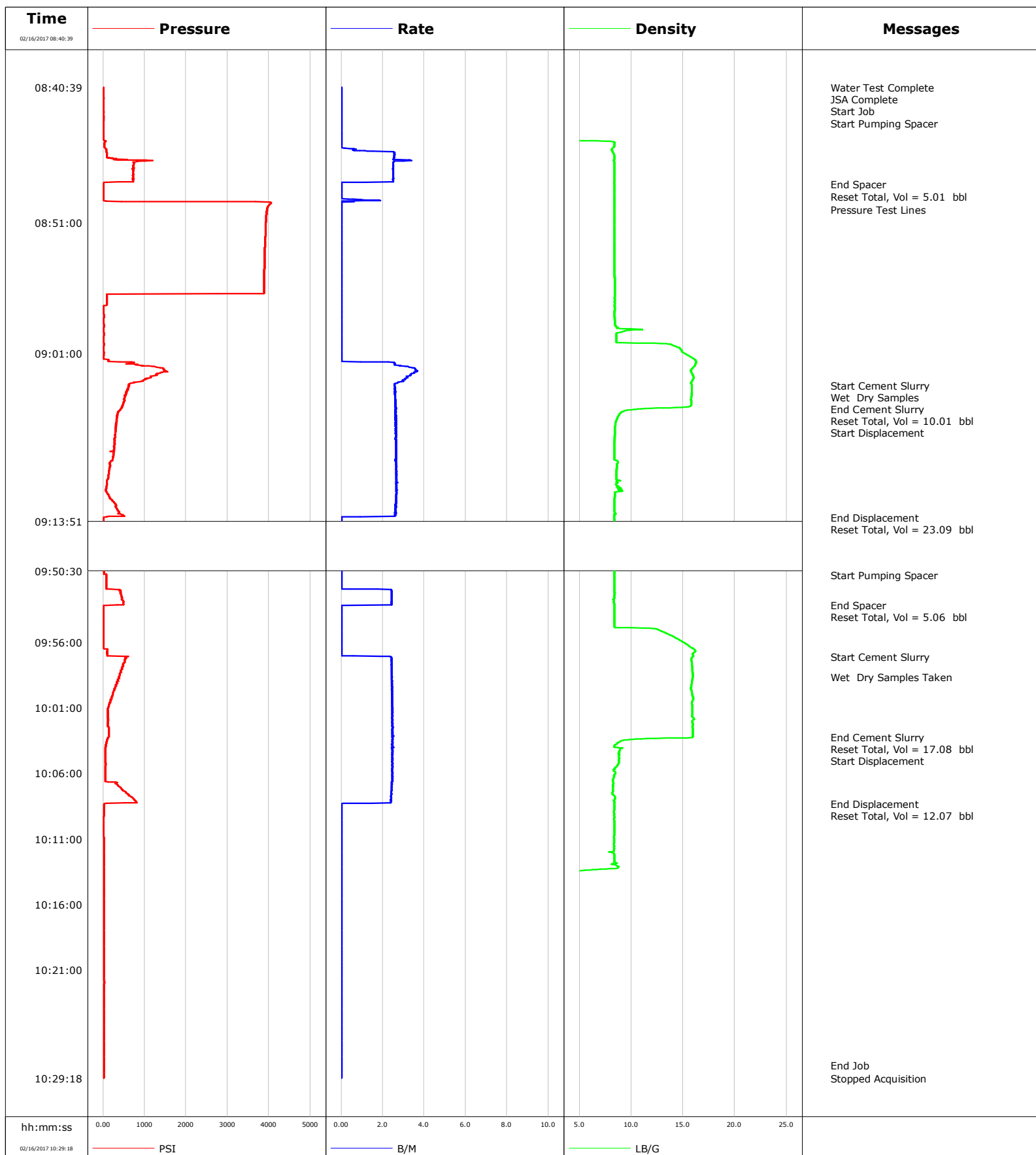


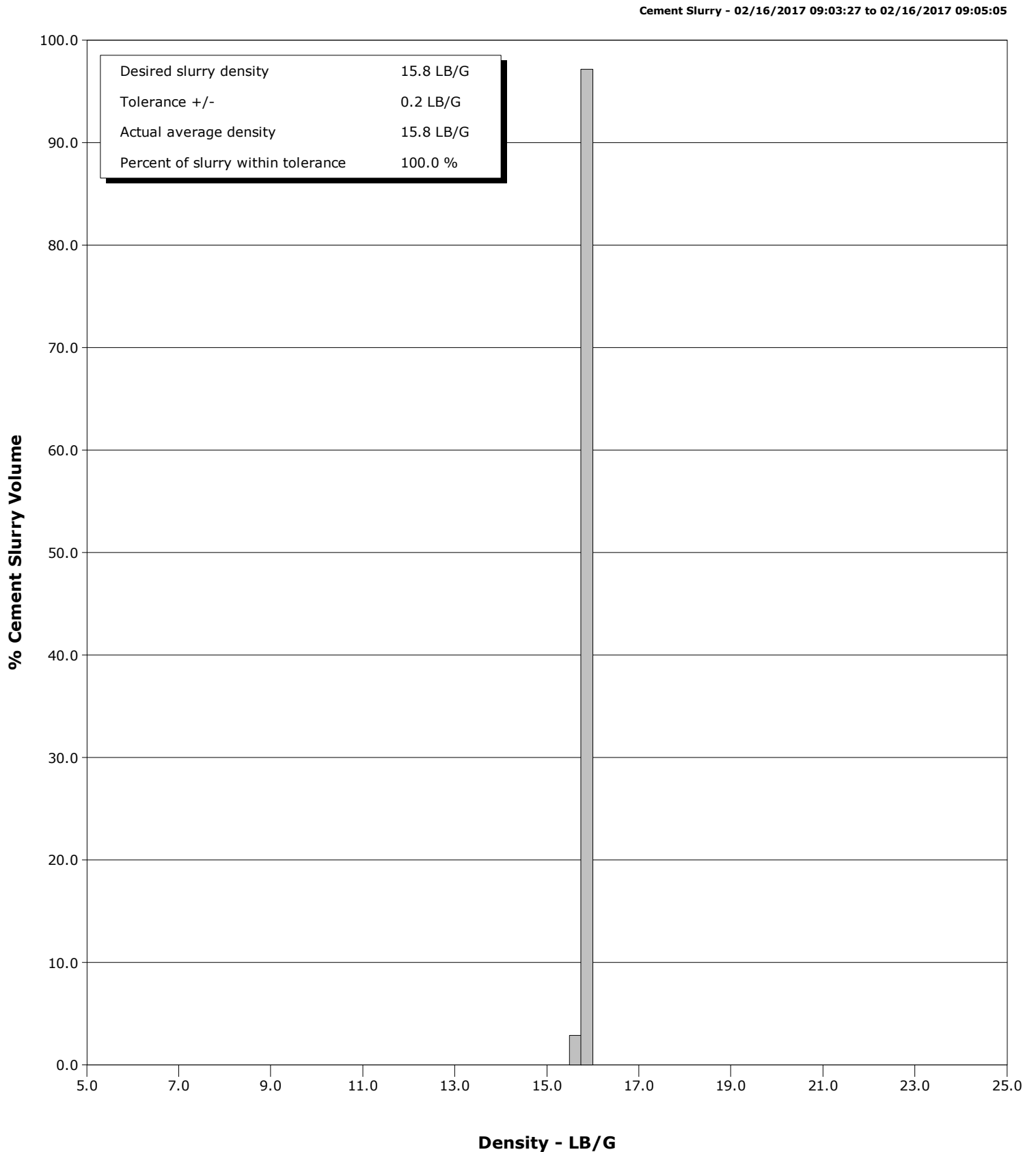
**Well** WHISTON 7-4  
**Field** DJ  
**Engineer** Wayne Silvester  
**Country** United States

**Client** ANADARKO  
**SIR No.** DA6T-00574  
**Job Type** Nio Sussex Plugs  
**Job Date** 02-16-2017



**Well** WHISTON 7-4  
**Field** DJ  
**Engineer** Wayne Silvester  
**Country** United States

**Client** ANADARKO  
**SIR No.** DA6T-00574  
**Job Type** Nio Sussex Plugs  
**Job Date** 02-16-2017



# Cementing Service Report

				Customer ANADARKO			Job Number DA6T-00574	
Well <b>WHISTON 7-4</b>			Location (legal) 217304		Schlumberger Location Cheyenne		Job Start <b>Feb/16/2017</b>	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD 7110.0 ft		Well TVD 7110.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 220 degF	BHCT 210 degF	Pore Press. Gradient lb/gal	
Well Master 0630692661		API/UWI <b>512322952</b>						
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		7110.0	4.5	11.6
						4930.0	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
								Thread
Service Line Cementing		Job Type Nio & Sussex Plugs				T	<b>7110.0</b>	2.4
						T	<b>4930.0</b>	4.7
								0.0
								N/A
								N/A
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	ft	Diameter
						ft	ft	in
						Treat Down Tubing	Displacement 37.0 bbl	Packer Type
								Packer Depth
								ft
						Tubing Vol. 37.0 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		Tool Depth ft		
Cement Head Type				Stage Tool Type		Tool Depth ft		
				Stage Tool Depth ft		Tail Pipe Size in		
Job Scheduled For Feb/16/2017		Arrived on Location Feb/16/2017		Leave Location Feb/16/2017		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		
02/16/2017	08:40:39	0.0	0.01	0.0	8	Started Acquisition		
02/16/2017	08:40:40	0.0	0.01	0.0	8	Water Test Complete		
02/16/2017	08:40:41	0.0	0.01	0.0	8	Start Job		
02/16/2017	08:40:43	0.0	0.01	0.0	8	Start Pumping Spacer		
02/16/2017	08:45:40	2.6	8.25	0.4	86			
02/16/2017	08:48:05	0.0	8.37	6.2	-1	End Spacer		
02/16/2017	08:48:06	0.0	8.38	6.2	4	Reset Total, Vol = 5.01 bbl		
02/16/2017	08:50:01	0.0	8.37	6.4	3954	Pressure Test Lines		
02/16/2017	08:50:41	0.0	8.37	6.4	3927			
02/16/2017	08:55:42	0.0	8.40	6.4	3881			
02/16/2017	09:00:43	0.0	14.78	6.4	8			
02/16/2017	09:03:27	2.6	15.83	11.9	631	Start Cement Slurry		
02/16/2017	09:03:29	2.6	15.85	12.0	617	Wet Dry Samples		
02/16/2017	09:05:05	2.6	15.69	16.2	466	End Cement Slurry		
02/16/2017	09:05:06	2.6	15.64	16.2	452	Reset Total, Vol = 10.01 bbl		
02/16/2017	09:05:09	2.6	14.91	16.4	457	Start Displacement		
02/16/2017	09:05:44	2.6	8.83	17.9	347			
02/16/2017	09:10:45	2.7	8.99	31.1	91			
02/16/2017	09:13:35	0.0	8.33	38.4	8	End Displacement		
02/16/2017	09:13:36	0.0	8.35	38.4	8	Reset Total, Vol = 23.09 bbl		
02/16/2017	09:14:10	0.0	8.37	38.4	8	End Job		

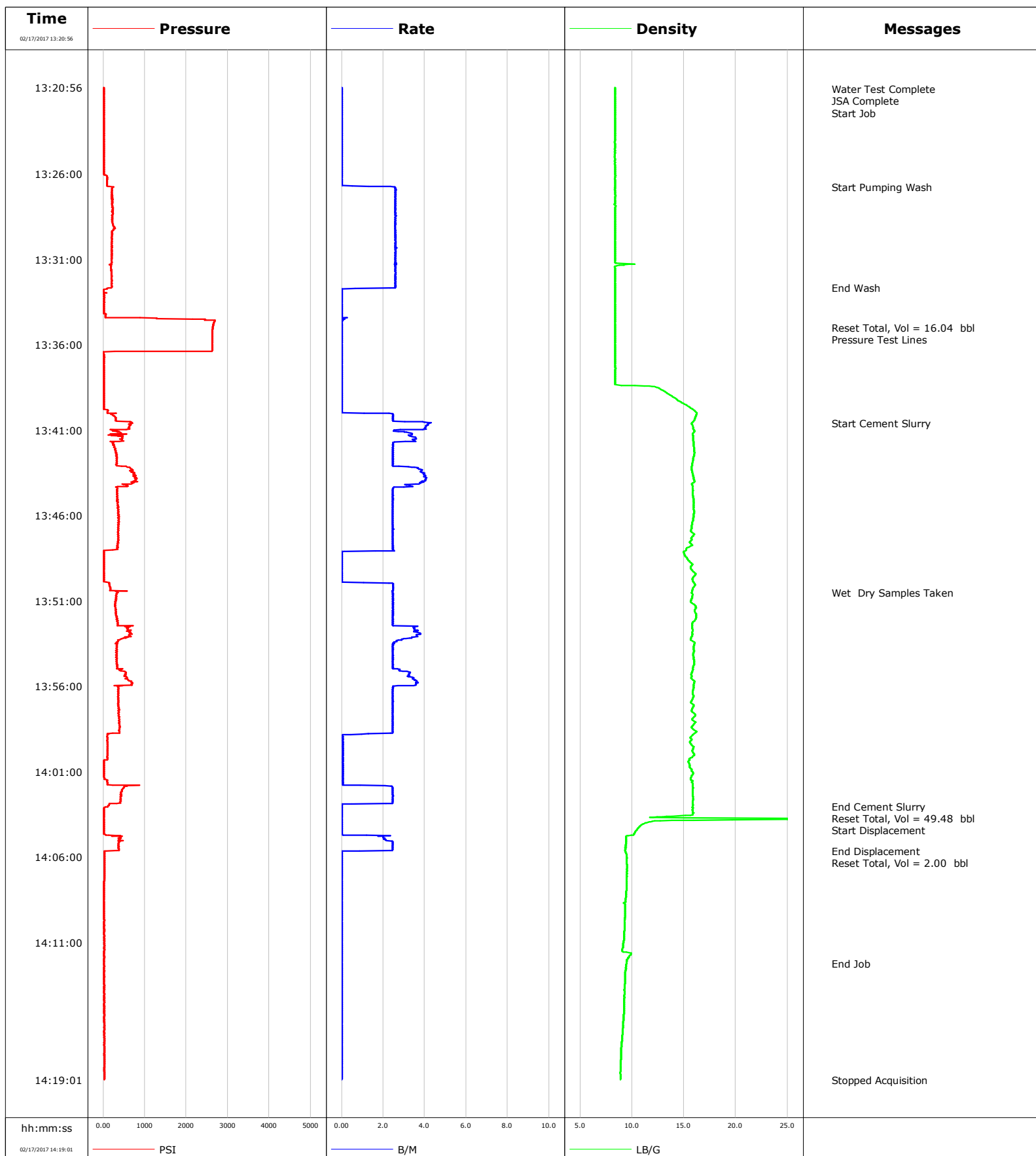
Well			Field		Job Start	Customer		Job Number
WHISTON 7-4			DJ		Feb/16/2017	ANADARKO		DA6T-00574
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message		
02/16/2017	09:20:47	0.0	8.41	38.4	8			
02/16/2017	09:25:48	0.0	8.38	38.4	8			
02/16/2017	09:30:49	0.0	8.38	38.4	13			
02/16/2017	09:32:36	0.0	8.38	38.4	13	Stopped Acquisition		
02/16/2017	09:48:37	0.0	8.38	0.0	13	Start Job		
02/16/2017	09:50:50	0.0	8.38	0.0	77	Start Pumping Spacer		
02/16/2017	09:50:53	0.0	8.35	0.0	77			
02/16/2017	09:53:08	2.4	8.38	2.9	347	End Spacer		
02/16/2017	09:53:30	0.0	8.37	3.0	4	Reset Total, Vol = 5.06 bbl		
02/16/2017	09:55:54	0.0	14.85	3.0	8			
02/16/2017	09:57:05	2.4	15.94	3.1	548	Start Cement Slurry		
02/16/2017	09:58:40	2.5	15.92	6.9	379	Wet Dry Samples Taken		
02/16/2017	10:00:55	2.5	15.90	12.4	123			
02/16/2017	10:03:14	2.5	15.94	18.2	132	End Cement Slurry		
02/16/2017	10:03:15	2.5	15.94	18.2	123	Reset Total, Vol = 17.08 bbl		
02/16/2017	10:03:17	2.5	15.43	18.3	114	Start Displacement		
02/16/2017	10:08:19	0.0	8.37	30.6	36	End Displacement		
02/16/2017	10:08:20	0.0	8.37	30.6	36	Reset Total, Vol = 12.07 bbl		
02/16/2017	10:10:57	0.0	8.35	30.6	17			
02/16/2017	10:15:58	0.0	0.01	30.6	13			
02/16/2017	10:20:59	0.0	0.01	30.6	17			
02/16/2017	10:26:00	0.0	0.01	30.6	17			
02/16/2017	10:28:21	0.0	0.01	30.6	17	End Job		

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 2.4	N2	Mud	Maximum Rate 2.6		Total Slurry 30.6	Mud 0.0	Spacer 30.6	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 823	Final 17	Average 94	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 22.0 bbl		Displacement 0.0 bbl		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
						Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative			Schlumberger Supervisor Wayne Silvester			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>		
						-		-		

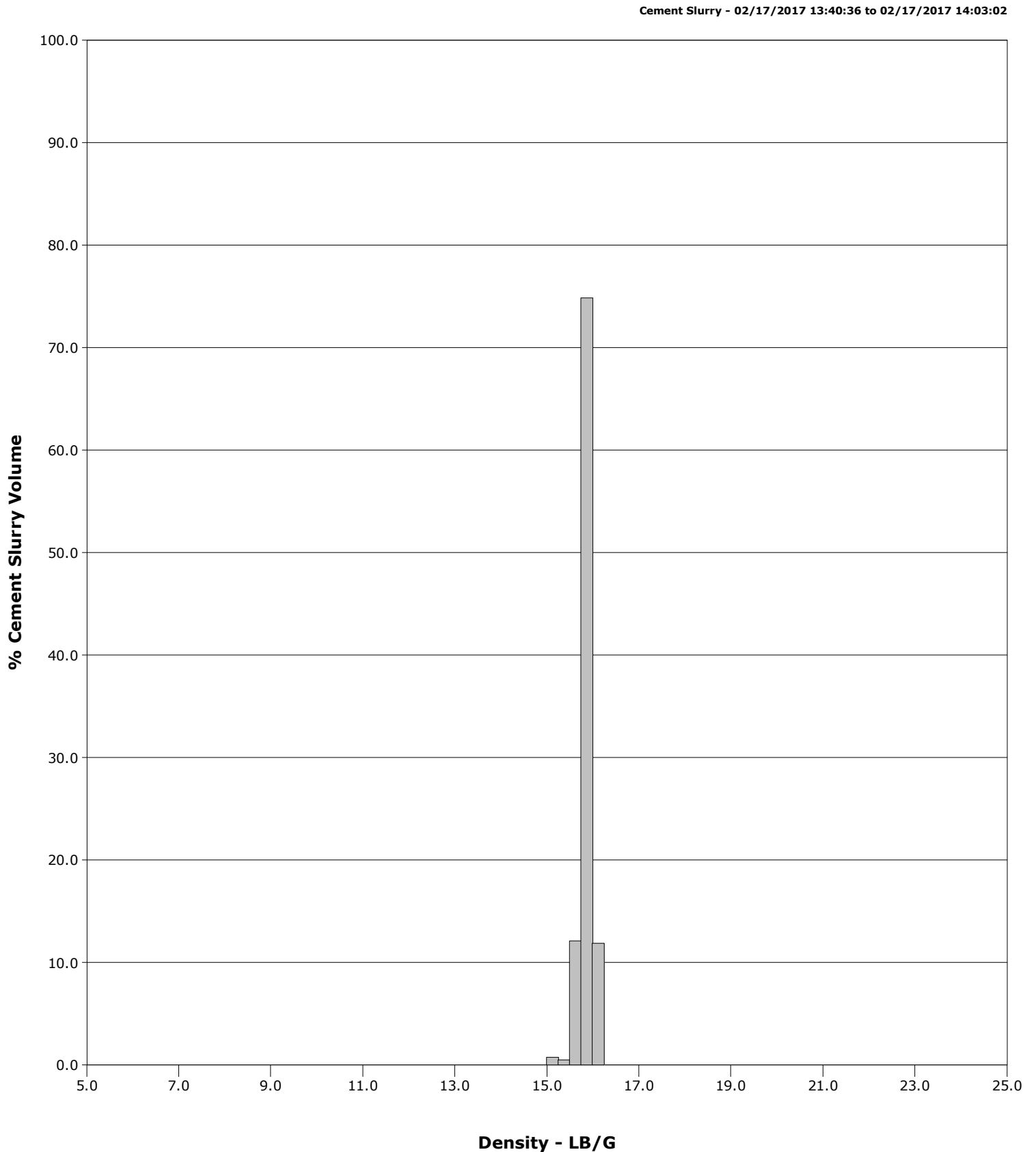
**Well** WHISTON 7-4  
**Field** DJ  
**Engineer** Wayne Silvester  
**Country** United States

**Client** ANADARKO  
**SIR No.** DA6T-00576  
**Job Type** Stub Plug  
**Job Date** 02-17-2017



**Well** WHISTON 7-4  
**Field** DJ  
**Engineer** Wayne Silvester  
**Country** United States

**Client** ANADARKO  
**SIR No.** DA6T-00576  
**Job Type** Stub Plug  
**Job Date** 02-17-2017



# Cementing Service Report

				Customer ANADARKO			Job Number DA6T-00576				
Well <b>WHISTON 7-4</b>			Location (legal) 217304			Schlumberger Location Cheyenne			Job Start <b>Feb/17/2017</b>		
Field DJ		Formation Name/Type		Deviation deg		Bit Size in		Well MD 1150.0 ft		Well TVD 1150.0 ft	
County WELD		State/Province Colorado		BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal	
Well Master 0630692661		API/UWI <b>05123229520000</b>									
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		1150.0		4.5		11.6	
						767.0		8.6		24.0	
										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	
										Thread	
Service Line Cementing		Job Type Stub Plug				T		<b>1150.0</b>		2.4	
										4.7	
										N/A	
										N/A	
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		ft		Diameter	
						ft		ft		in	
						Treat Down Tubing		Displacement 1.0 bbl		Packer Type	
										Packer Depth	
										ft	
						Tubing Vol. 2.0 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 Feb/17/2017		Arrived on Location Feb/17/2017		Leave Location Feb/17/2017		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					
02/17/2017	13:20:56	0.0	8.36	0.0	17	Started Acquisition					
02/17/2017	13:21:02	0.0	8.36	0.0	17	Water Test Complete					
02/17/2017	13:21:03	0.0	8.36	0.0	17	Start Job					
02/17/2017	13:25:57	0.0	8.36	0.0	17						
02/17/2017	13:26:47	2.6	8.37	0.1	260	Start Pumping Wash					
02/17/2017	13:30:58	2.6	8.37	11.0	200						
02/17/2017	13:32:40	2.6	8.37	15.4	210	End Wash					
02/17/2017	13:35:00	0.0	8.37	15.5	2640	Reset Total, Vol = 16.04 bbl					
02/17/2017	13:35:03	0.0	8.36	15.5	2636	Pressure Test Lines					
02/17/2017	13:35:59	0.0	8.37	15.5	2622						
02/17/2017	13:40:36	4.2	15.76	17.1	709	Start Cement Slurry					
02/17/2017	13:41:00	2.6	15.97	18.7	338						
02/17/2017	13:46:01	2.5	15.92	33.3	361						
02/17/2017	13:50:31	2.5	15.75	38.4	361	Wet Dry Samples Taken					
02/17/2017	13:51:02	2.5	15.66	39.3	306						
02/17/2017	13:56:03	2.5	15.92	53.5	356						
02/17/2017	14:01:04	0.1	15.88	60.3	22						
02/17/2017	14:03:02	0.0	15.84	62.9	114	End Cement Slurry					
02/17/2017	14:03:06	0.0	15.83	62.9	36	Reset Total, Vol = 49.48 bbl					
02/17/2017	14:03:27	0.0	15.86	62.9	22	Start Displacement					
02/17/2017	14:05:38	0.9	9.35	65.0	68	End Displacement					

Well			Field		Job Start	Customer		Job Number
WHISTON 7-4			DJ		Feb/17/2017	ANADARKO		DA6T-00576
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message		
02/17/2017	14:06:05	0.0	9.49	65.0	31			
02/17/2017	14:11:06	0.0	9.13	65.0	27			
02/17/2017	14:12:13	0.0	9.46	65.0	22	End Job		
02/17/2017	14:16:07	0.0	9.09	65.0	27			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 2.4	N2	Mud	Maximum Rate 4.3	Total Slurry 49.5	Mud 0.0	Spacer 16.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 2700	Final 27	Average 255	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %	Designed Slurry Volume 49.5 bbl		Displacement 2.1 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 Socorro Olivas			Schlumberger Supervisor Wayne Silvester			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>			
						-	-			