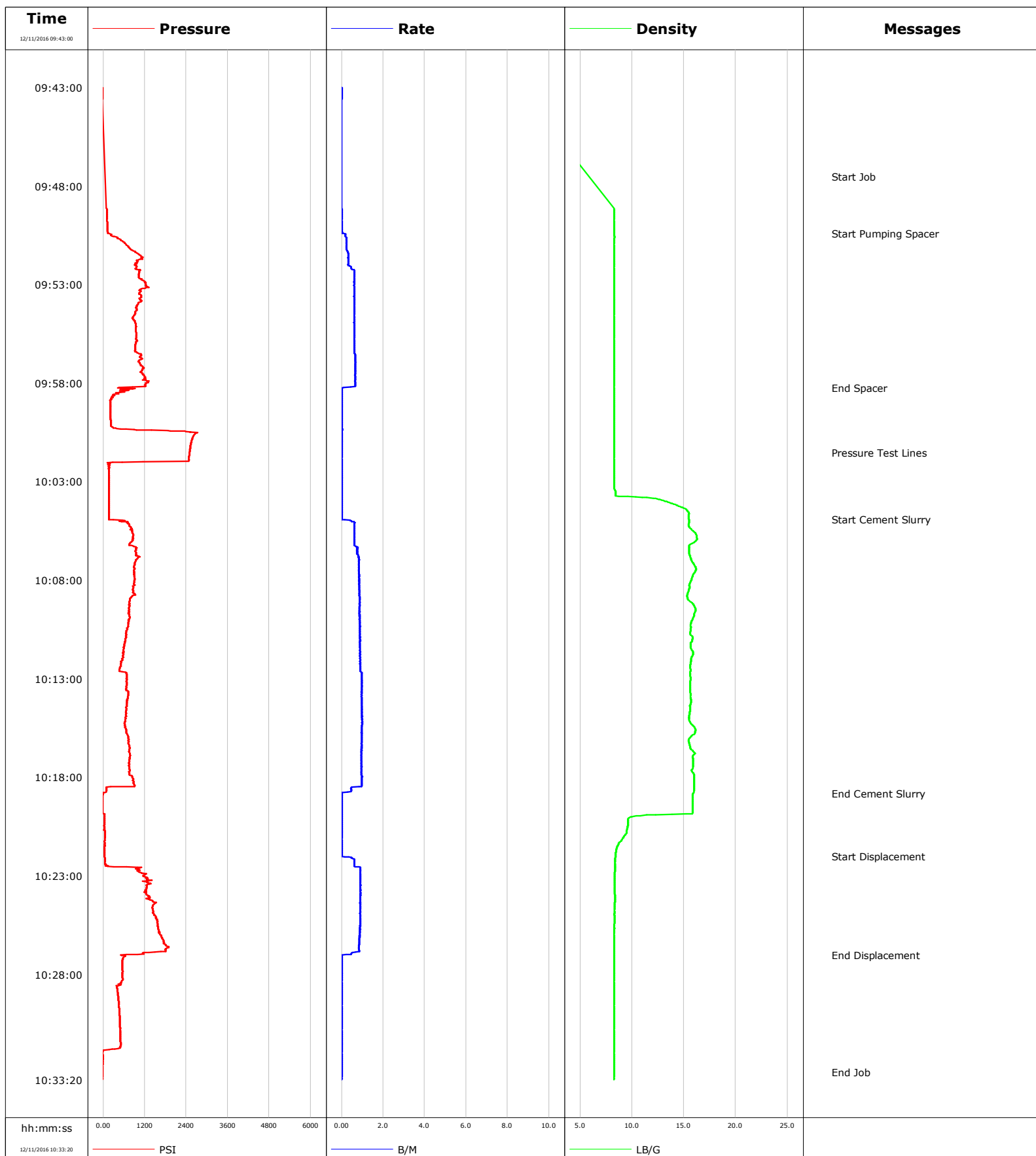


Well Held ET AI 1
Field Dj
Engineer Robert Pippin
Country United States

Client Anadarko
SIR No.
Job Type Plug
Job Date 12-11-2016



Cementing Service Report

				Customer Anadarko			Job Number		
Well Held ET AI 1			Location (legal)		Schlumberger Location			Job Start Dec/11/2016	
Field Dj		Formation Name/Type		Deviation deg		Bit Size in		Well MD 6150.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST degF		BHCT degF	
Well Master		API/UWI						Pore Press. Gradient lb/gal	
Rig Name		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		6150.0		4.5	
						11.6		N80	
						8RD			
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 Plug				T		5970.0	
						2.4		4.6	
						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 ft			
						ft		ft	
						ft		ft	
						ft		ft	
						Diameter 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 Dec/11/2016		Arrived on Location Dec/11/2016		Leave Location Dec/11/2016		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 BBL	Message			
12/11/2016	09:43:00	-19	0.0	0.05	0.0				
12/11/2016	09:43:30	-15	0.0	0.05	0.0				
12/11/2016	09:49:30	109	0.0	8.29	0.0				
12/11/2016	09:50:00	118	0.0	8.29	0.0				
12/11/2016	09:50:25	132	0.0	8.29	0.0	Start Pumping Spacer			
12/11/2016	09:50:30	228	0.2	8.29	0.0				
12/11/2016	09:51:00	672	0.3	8.28	0.1				
12/11/2016	09:51:30	1034	0.3	8.28	0.3				
12/11/2016	09:52:00	910	0.3	8.28	0.4				
12/11/2016	09:52:30	1020	0.6	8.28	0.7				
12/11/2016	09:53:00	1226	0.6	8.29	1.0				
12/11/2016	09:53:30	1047	0.6	8.29	1.3				
12/11/2016	09:54:00	1015	0.6	8.29	1.6				
12/11/2016	09:54:30	928	0.6	8.29	1.9				
12/11/2016	09:55:00	942	0.6	8.29	2.2				
12/11/2016	09:55:30	956	0.6	8.29	2.5				
12/11/2016	09:56:00	947	0.6	8.29	2.8				
12/11/2016	09:56:30	1020	0.6	8.29	3.1				
12/11/2016	09:57:30	1130	0.7	8.29	3.8				
12/11/2016	09:58:00	1258	0.7	8.28	4.1				
12/11/2016	09:58:14	466	0.1	8.29	4.3	End Spacer			

Well			Field		Job Start		Customer		Job Number	
Held ET AI 1			Dj		Dec/11/2016		Anadarko			
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
12/11/2016	09:59:00	210		0.0	8.29		4.3			
12/11/2016	09:59:30	214		0.0	8.29		4.3			
12/11/2016	10:00:00	219		0.0	8.29		4.3			
12/11/2016	10:00:30	2508		0.0	8.29		4.3			
12/11/2016	10:01:00	2549		0.0	8.28		4.3			
12/11/2016	10:01:30	2498		0.0	8.28		4.3			
12/11/2016	10:01:31	2494		0.0	8.28		4.3	Pressure Test Lines		
12/11/2016	10:02:00	1153		0.0	8.28		4.3			
12/11/2016	10:02:30	173		0.0	8.28		4.3			
12/11/2016	10:03:00	164		0.0	8.29		4.3			
12/11/2016	10:03:30	164		0.0	8.40		4.3			
12/11/2016	10:04:00	159		0.0	13.23		4.3			
12/11/2016	10:04:30	159		0.0	15.35		4.3			
12/11/2016	10:04:55	164		0.0	15.47		4.3	Start Cement Slurry		
12/11/2016	10:05:00	521		0.5	15.49		4.3			
12/11/2016	10:05:30	832		0.6	15.88		4.6			
12/11/2016	10:06:00	873		0.6	16.18		4.9			
12/11/2016	10:06:30	937		0.7	15.49		5.3			
12/11/2016	10:07:00	937		0.8	15.74		5.7			
12/11/2016	10:07:30	883		0.8	16.14		6.1			
12/11/2016	10:08:00	905		0.8	15.72		6.5			
12/11/2016	10:08:30	855		0.8	15.47		6.9			
12/11/2016	10:09:00	768		0.9	15.43		7.3			
12/11/2016	10:09:30	759		0.9	16.13		7.8			
12/11/2016	10:10:00	745		0.9	15.84		8.2			
12/11/2016	10:10:30	690		0.9	15.64		8.6			
12/11/2016	10:11:00	645		0.9	15.81		9.1			
12/11/2016	10:11:30	599		0.9	15.72		9.5			
12/11/2016	10:12:00	544		0.9	15.71		10.0			
12/11/2016	10:12:30	480		0.9	15.62		10.4			
12/11/2016	10:13:00	672		1.0	15.62		10.9			
12/11/2016	10:13:30	663		1.0	15.58		11.4			
12/11/2016	10:14:00	704		1.0	15.67		11.9			
12/11/2016	10:14:30	677		1.0	15.59		12.4			
12/11/2016	10:15:00	654		1.0	15.48		12.8			
12/11/2016	10:15:30	640		1.0	16.07		13.3			
12/11/2016	10:16:00	722		1.0	15.59		13.8			
12/11/2016	10:16:30	768		1.0	15.61		14.3			
12/11/2016	10:17:00	773		1.0	15.85		14.8			
12/11/2016	10:17:30	759		0.9	15.89		15.3			
12/11/2016	10:18:00	841		1.0	15.99		15.8			
12/11/2016	10:18:30	95		0.5	15.99		16.2			
12/11/2016	10:18:49	-10		0.0	15.89		16.4	End Cement Slurry		
12/11/2016	10:19:00	-15		0.0	15.84		16.4			
12/11/2016	10:19:30	-15		0.0	15.84		16.4			
12/11/2016	10:20:00	40		0.0	10.01		16.4			
12/11/2016	10:20:30	36		0.0	9.59		16.4			
12/11/2016	10:21:00	49		0.0	9.25		16.4			
12/11/2016	10:21:30	45		0.0	8.60		16.4			
12/11/2016	10:21:59	40		0.0	8.41		16.4	Start Displacement		
12/11/2016	10:22:00	36		0.0	8.41		16.4			
12/11/2016	10:22:30	68		0.6	8.37		16.6			
12/11/2016	10:23:00	1180		0.9	8.32		17.1			
12/11/2016	10:23:30	1267		0.9	8.32		17.5			

Well			Field		Job Start	Customer		Job Number
Held ET AI 1			Dj		Dec/11/2016	Anadarko		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
12/11/2016	10:24:30	1446	0.9	8.34	18.4			
12/11/2016	10:25:00	1473	0.9	8.34	18.9			
12/11/2016	10:25:30	1592	0.9	8.30	19.3			
12/11/2016	10:26:00	1674	0.9	8.30	19.8			
12/11/2016	10:26:30	1816	0.8	8.29	20.2			
12/11/2016	10:27:00	677	0.2	8.29	20.6			
12/11/2016	10:27:01	516	0.0	8.29	20.6	End Displacement		
12/11/2016	10:27:30	553	0.0	8.29	20.6			
12/11/2016	10:28:00	558	0.0	8.29	20.6			
12/11/2016	10:28:30	439	0.0	8.29	20.6			
12/11/2016	10:29:00	425	0.0	8.29	20.6			
12/11/2016	10:29:30	452	0.0	8.29	20.6			
12/11/2016	10:30:00	471	0.0	8.29	20.6			
12/11/2016	10:30:30	484	0.0	8.29	20.6			
12/11/2016	10:31:00	493	0.0	8.29	20.6			
12/11/2016	10:31:30	503	0.0	8.29	20.6			
12/11/2016	10:32:30	-15	0.0	8.29	20.6			
12/11/2016	10:32:56	-15	0.0	8.30	20.6	End Job		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 0.8	N2	Mud	Maximum Rate 2.1	Total Slurry 41.0	Mud 0.0	Spacer 15.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 2732	Final -15	Average 740	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 41.0 bbl		Displacement 20.0 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 Socorro Olivas			Schlumberger Supervisor Robert Pippin			Circulation Lost <input type="checkbox"/>		Job Completed <input type="checkbox"/>		
						-		-		