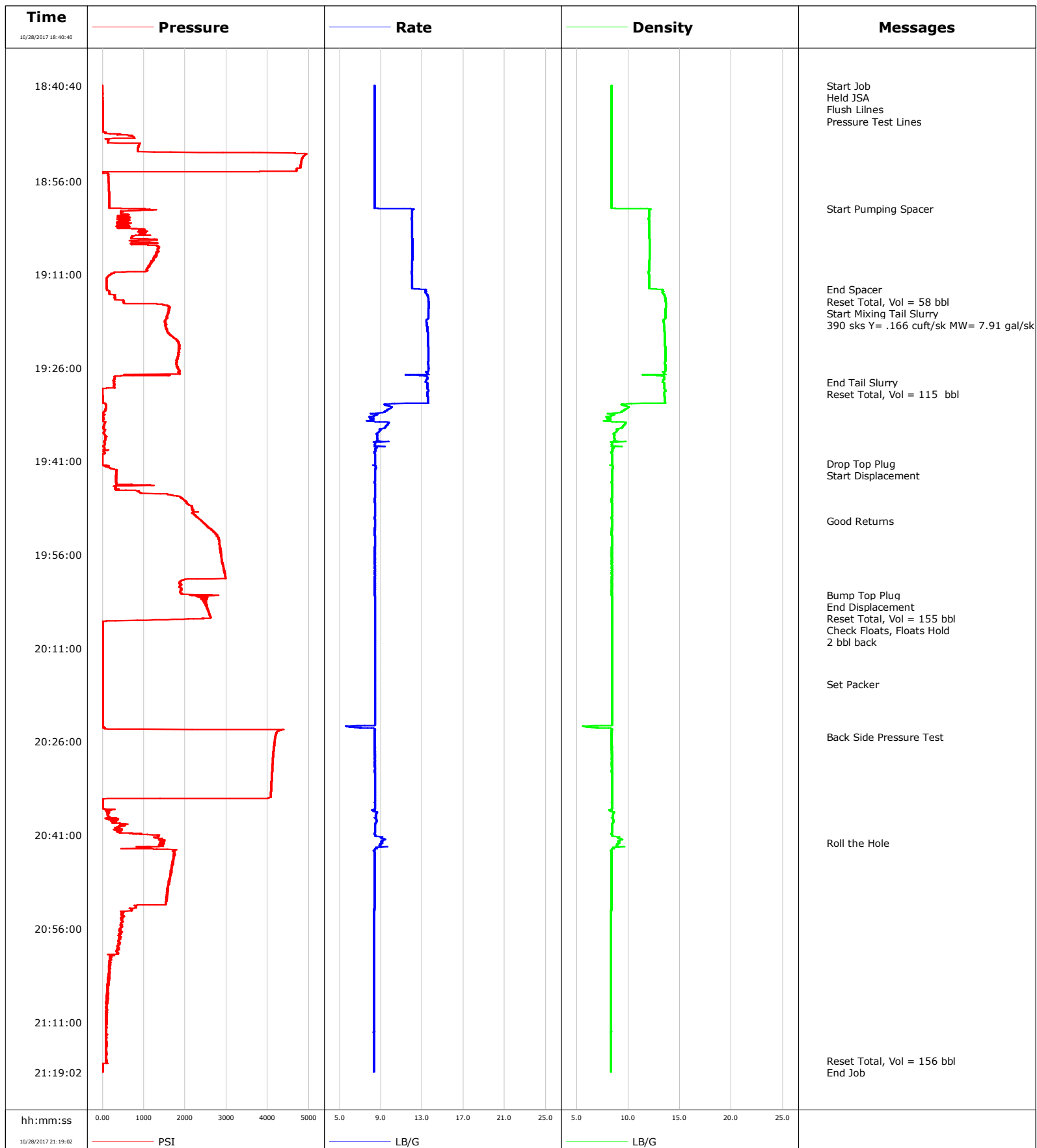


Well Johnson 28C-14HZ
Field Wattenberg
Engineer Ryan Call
Country United States

Client Anadarko
SIR No. D8WD-00723
Job Type Liner
Job Date 10-28-2017



Cementing Service Report

				Customer Anadarko			Job Number D8WD-00723											
Well Johnson 28C-14HZ			Location (legal) X24			Schlumberger Location CWY			Job Start Oct/28/2017									
Field Wattenberg			Formation Name/Type			Deviation deg		Bit Size 6.1 in		Well MD 12308.0 ft		Well TVD 7593.0 ft						
County			State/Province CO			BHP psi		BHST 233 degF		BHCT 229 degF		Pore Press. Gradient lb/gal						
Well Master 0631705421			API/UWI 4201335432000															
Rig Name X24		Drilled For Oil & Gas		Service Via Land		Casing/ Liner												
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread				
Offshore Zone		Well Class New		Well Type Development		6076.0		7.0		26.0		C-90						
						12308.0		5.5		11.6		P-110						
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 Liner			D		5891.0		4.0		11.8		E75				
								0.0		0.0		0.0						
Max. Allowed Tub. Press psi			Max. Allowed Ann. Press psi			WH Connection 1502 Swedge			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		Displacement 155.0 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 Float				Squeeze Type								
Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Shoe Depth 12308.0 ft				Tool Type								
No. Centralizers			Top Plugs 1			Bottom Plugs			Stage Tool Type Liner Hanger				Tool Depth ft					
Cement Head Type						Stage Tool Depth 5891.0 ft				Tail Pipe Size in								
Job Scheduled For Oct/28/2017 16:30			Arrived on Location Oct/28/2017 16:30			Leave Location Oct/28/2017 22:30			Collar Type Float				Tail Pipe Depth ft					
									Collar Depth 12261.0 ft				Sqz. Total Vol. bbl					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message												
10/28/2017	18:40:40	-1	0.0	8.38	0.0	Started Acquisition												
10/28/2017	18:40:42	-1	0.0	8.38	0.0	Start Job												
10/28/2017	18:40:45	-0	0.0	8.39	0.0	Held JSA												
10/28/2017	18:42:40	-0	0.0	8.38	0.0													
10/28/2017	18:44:40	0	0.0	8.38	0.0													
10/28/2017	18:45:31	1	0.0	8.38	0.0	Pressure Test Lines												
10/28/2017	18:46:40	1	0.0	8.39	0.0													
10/28/2017	18:48:40	706	3.7	8.38	0.9													
10/28/2017	18:50:40	860	0.1	8.38	3.4													
10/28/2017	18:52:40	4818	0.0	8.39	3.5													
10/28/2017	18:54:40	7	0.0	8.39	3.5													
10/28/2017	18:56:40	148	0.0	8.39	3.5													
10/28/2017	18:58:40	157	0.0	8.39	3.5													
10/28/2017	19:00:28	996	4.0	11.17	3.6	Start Pumping Spacer												
10/28/2017	19:00:40	1221	6.4	12.03	4.7													
10/28/2017	19:02:40	636	2.3	12.00	10.0													
10/28/2017	19:04:40	940	4.2	12.01	16.3													
10/28/2017	19:06:40	1360	6.4	12.08	26.4													
10/28/2017	19:08:40	1213	6.4	12.04	39.2													
10/28/2017	19:10:40	486	4.7	11.98	52.0													
10/28/2017	19:12:40	91	3.4	12.02	58.8													

Well			Field	Job Start		Customer	Job Number	
Johnson 28C-14HZ			Wattenberg		Oct/28/2017		Anadarko	D8WD-00723
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/28/2017	19:13:27	99	3.5	13.36	61.5	Reset Total, Vol = 58 bbl		
10/28/2017	19:13:29	106	3.4	13.35	61.6	Start Mixing Tail Slurry		
10/28/2017	19:14:26	296	4.6	13.51	65.0	390 sks Y= .166 cuft/sk MW= 7.91 gal/sk		
10/28/2017	19:14:40	314	4.5	13.56	66.0			
10/28/2017	19:16:40	1610	8.3	13.58	79.7			
10/28/2017	19:18:40	1504	8.3	13.42	96.3			
10/28/2017	19:20:40	1625	8.3	13.53	112.9			
10/28/2017	19:22:40	1843	8.3	13.57	129.5			
10/28/2017	19:24:40	1800	8.3	13.57	146.0			
10/28/2017	19:26:40	1838	8.3	13.35	162.6			
10/28/2017	19:28:19	280	4.5	13.32	172.1	End Tail Slurry		
10/28/2017	19:28:21	274	4.5	13.41	172.3	Reset Total, Vol = 115 bbl		
10/28/2017	19:28:40	293	4.5	13.49	173.7			
10/28/2017	19:30:40	3	0.0	13.52	176.7			
10/28/2017	19:32:40	71	2.8	9.68	178.7			
10/28/2017	19:34:40	62	3.2	8.87	182.0			
10/28/2017	19:36:40	43	2.3	8.59	186.1			
10/28/2017	19:38:40	15	0.0	8.37	191.3			
10/28/2017	19:40:40	-1	0.0	8.40	192.3			
10/28/2017	19:41:20	-1	0.0	8.40	192.4	Drop Top Plug		
10/28/2017	19:42:40	328	8.5	8.43	198.6			
10/28/2017	19:43:20	328	8.6	8.43	204.3	Start Displacement		
10/28/2017	19:44:40	329	8.5	8.41	215.7			
10/28/2017	19:46:40	1873	8.4	8.40	228.8			
10/28/2017	19:48:40	2182	8.2	8.40	245.4			
10/28/2017	19:50:36	2401	8.2	8.40	261.3	Good Returns		
10/28/2017	19:50:40	2406	8.2	8.40	261.9			
10/28/2017	19:52:40	2751	8.3	8.40	278.3			
10/28/2017	19:54:40	2838	8.3	8.40	294.9			
10/28/2017	19:56:40	2883	8.3	8.40	311.5			
10/28/2017	19:58:40	2949	8.2	8.40	328.1			
10/28/2017	20:00:40	1862	4.6	8.40	341.8			
10/28/2017	20:02:27	2105	3.3	8.40	350.1	Bump Top Plug		
10/28/2017	20:02:28	2108	1.4	8.40	350.2	End Displacement		
10/28/2017	20:02:31	2817	0.3	8.40	350.2	Reset Total, Vol = 155 bbl		
10/28/2017	20:02:40	2348	0.0	8.40	350.2			
10/28/2017	20:03:44	2491	0.0	8.40	350.2	Check Floats, Floats Hold		
10/28/2017	20:04:40	2539	0.0	8.40	350.2			
10/28/2017	20:06:40	53	0.0	8.40	350.3			
10/28/2017	20:08:40	1	0.0	8.40	350.3			
10/28/2017	20:10:40	0	0.0	8.40	350.3			
10/28/2017	20:12:40	2	0.0	8.40	350.3			
10/28/2017	20:14:40	1	0.0	8.40	350.3			
10/28/2017	20:16:40	1	0.0	8.40	350.3			
10/28/2017	20:16:41	1	0.0	8.40	350.3	Set Packer		
10/28/2017	20:18:40	1	0.0	8.40	350.3			
10/28/2017	20:20:40	1	0.0	8.40	350.3			
10/28/2017	20:22:40	0	0.0	8.40	350.3			
10/28/2017	20:24:40	4205	0.1	8.40	350.6			
10/28/2017	20:25:09	4185	0.1	8.40	350.6	Back Side Pressure Test		
10/28/2017	20:26:40	4152	0.0	8.40	350.7			
10/28/2017	20:28:40	4125	0.0	8.40	350.7			
10/28/2017	20:30:40	4105	0.0	8.40	350.7			
10/28/2017	20:32:40	4088	0.0	8.40	350.7			

Well			Field		Job Start		Customer		Job Number	
Johnson 28C-14HZ			Wattenberg		Oct/28/2017		Anadarko		D8WD-00723	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/28/2017	20:36:40	3	0.0	8.40	350.7					
10/28/2017	20:38:40	275	0.0	8.58	350.9					
10/28/2017	20:40:40	478	0.2	8.40	351.1					
10/28/2017	20:42:15	1387	7.2	9.09	361.2	Roll the Hole				
10/28/2017	20:42:40	1373	7.0	8.86	364.2					
10/28/2017	20:44:40	1721	8.2	8.37	379.1					
10/28/2017	20:46:40	1647	8.2	8.37	395.5					
10/28/2017	20:48:40	1610	8.2	8.37	411.9					
10/28/2017	20:50:40	1566	8.2	8.37	428.3					
10/28/2017	20:52:40	809	5.2	8.36	443.5					
10/28/2017	20:54:40	452	3.3	8.35	450.8					
10/28/2017	20:56:40	437	3.3	8.35	457.4					
10/28/2017	20:58:40	382	3.3	8.34	464.0					
10/28/2017	21:00:40	178	2.1	8.34	470.0					
10/28/2017	21:02:40	160	2.1	8.34	474.2					
10/28/2017	21:04:40	122	2.1	8.34	478.4					
10/28/2017	21:06:40	106	2.1	8.35	482.6					
10/28/2017	21:08:40	82	2.1	8.34	486.8					
10/28/2017	21:10:40	100	2.1	8.34	491.0					
10/28/2017	21:12:40	88	2.2	8.32	495.3					
10/28/2017	21:14:40	100	2.2	8.34	499.7					
10/28/2017	21:16:40	106	2.2	8.34	504.1					
10/28/2017	21:17:10	100	2.2	8.34	505.2	Reset Total, Vol = 156 bbl				
10/28/2017	21:17:53	5	0.0	8.34	506.5	End Job				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 4.2	N2	Mud	Maximum Rate 8.7	Total Slurry 115.0	Mud 0.0	Spacer 58.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 4942	Final 2	Average 1123	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 155.0 bbl	Mix Water Temp 55 degF	Cement Circulated to Surface?		<input checked="" type="checkbox"/>	Volume 10.0 bbl				
				Washed Thru Perfs		<input type="checkbox"/>	To ft				
Customer or Authorized Representative			Schlumberger Supervisor Ryan Call			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>				
						-	-				