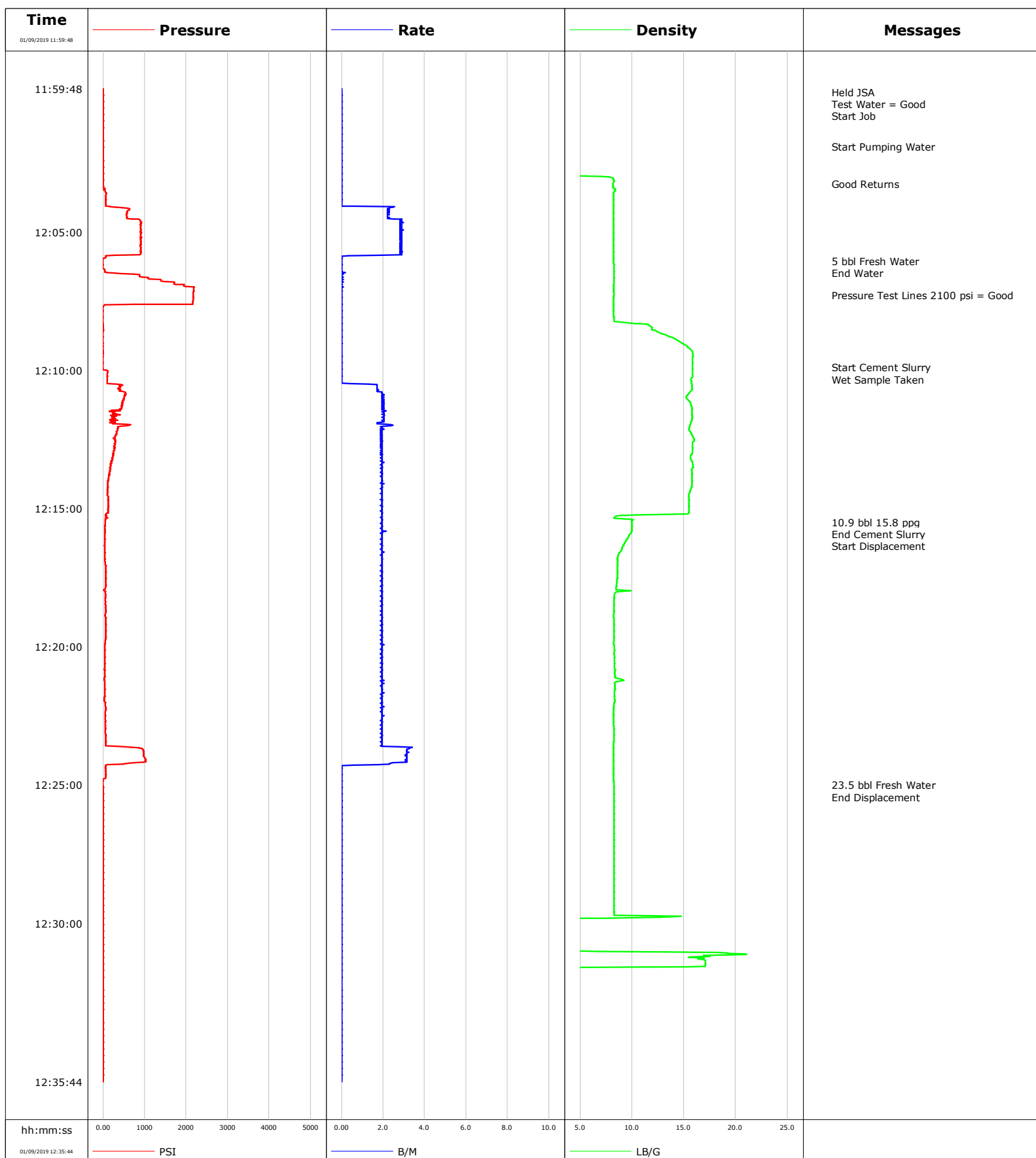


Well HSR Nygren 3-19
Field DJ
Engineer Ken Sovereign
Country United States

Client Anadarko
SIR No. E84H-00210
Job Type Nio Plug
Job Date 01-09-2019



Page 1 of 2

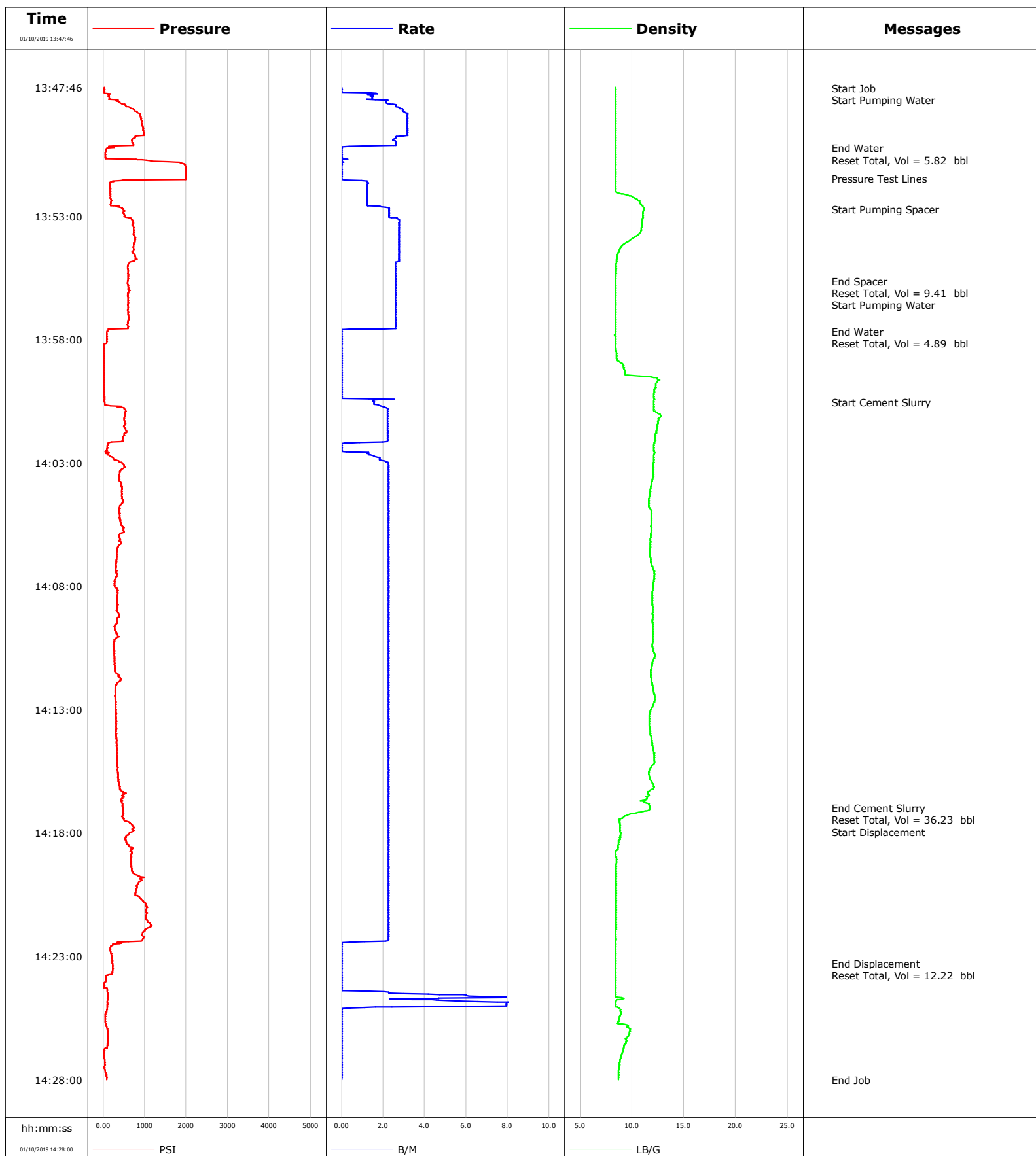
Well HSR Nygren 3-19 3-19	Field DJ	Job Start Jan/09/2019	Customer Anadarko	Job Number E84H-00210
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.2	N2	Mud	Maximum Rate 3.1		Total Slurry 10.9	Mud 0.0	Spacer 5.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2193	Final 0	Average 314	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 23.5 bbl	Mix Water Temp 52 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Seth Chappell			Schlumberger Supervisor Ken Sovereign			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-

Well HSR Nygren 3-19
Field DJ
Engineer R Pippin
Country United States

Client Anadarko
SIR No. E84H-00211
Job Type Sussex Sqz
Job Date 01-10-2019



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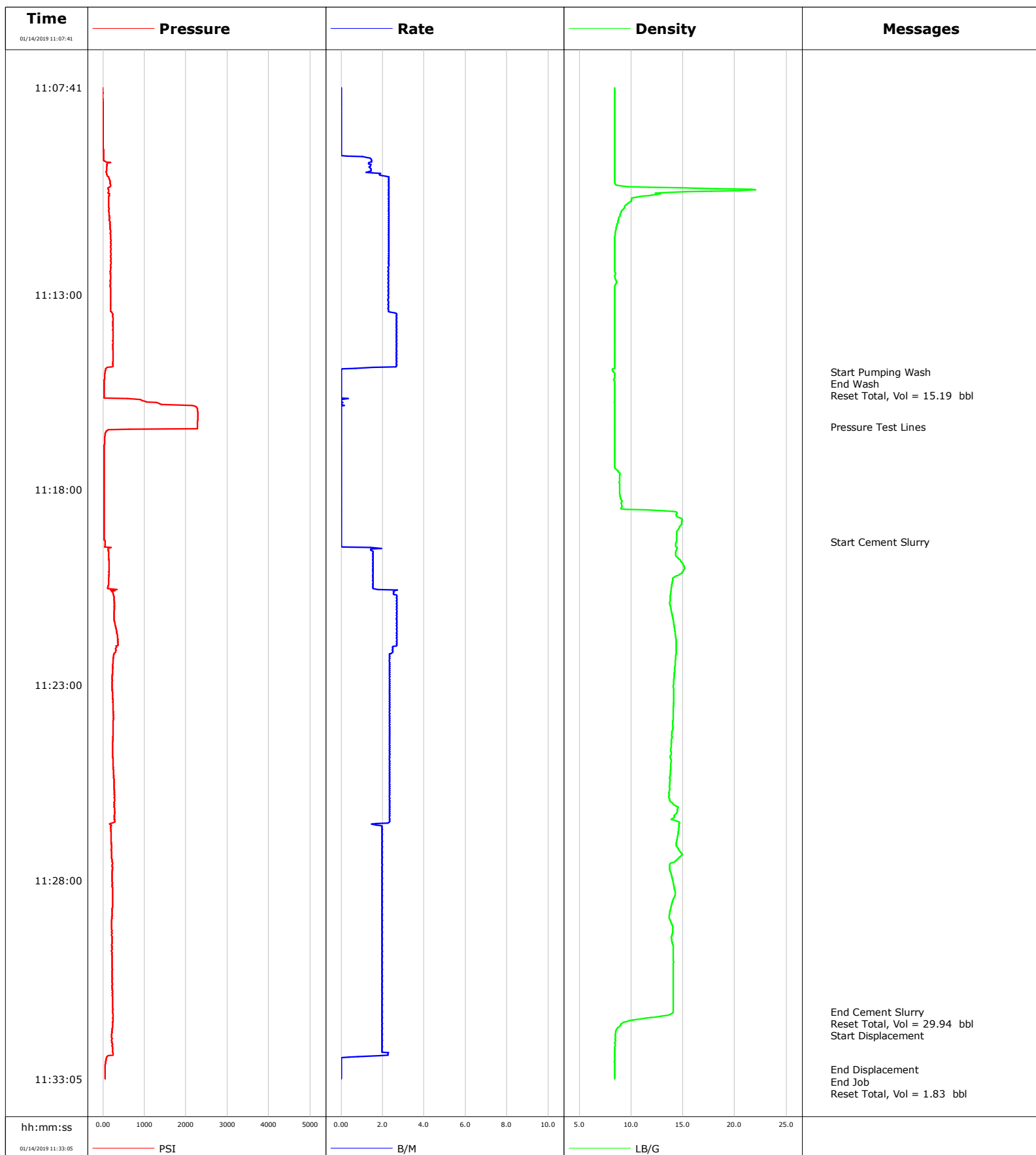
Well			Field		Job Start	Customer		Job Number
HSR Nygren 3-19			DJ		Jan/10/2019	Anadarko		E84H-00211
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/10/2019	14:22:53	196	0.0	8.44	68.6			
01/10/2019	14:23:18	228	0.0	8.44	68.6	End Displacement		
01/10/2019	14:23:26	228	0.0	8.44	68.6	Reset Total, Vol = 12.22 bbl		
01/10/2019	14:27:54	86	0.0	8.70	72.2			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 2.3	N2	Mud	Maximum Rate 8.0	Total Slurry 36.7	Mud 0.0	Spacer 20.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 1995	Final 95	Average 432	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %	Designed Slurry Volume 36.7 bbl		Displacement 12.0 bbl	Mix Water Temp 54 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl				
					Washed Thru Perfs <input type="checkbox"/>	To ft				
Customer or Authorized Representative Seth Chappell			Schlumberger Supervisor R Pippin			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>			
						-	-			

Well HSR Nygren 3-19
Field DJ
Engineer R Pippin
Country United States

Client Anadarko
SIR No. E84H-00212
Job Type Stub Plug
Job Date 01-14-2019



Cementing Service Report

				Customer Anadarko			Job Number E84H-00212								
Well HSR Nygren 3-19			Location (legal)			Schlumberger Location Cheyenne			Job Start Jan/14/2019						
Field DJ		Formation Name/Type			Deviation deg		Bit Size 7.9 in		Well MD 916.0 ft		Well TVD 916.0 ft				
County Weld		State/Province Colorado			BHP psi		BHST degF		BHCT degF		Pore Press. Gradient lb/gal				
Well Master		API/UWI													
Rig Name		Drilled For Gas		Service Via Land		Casing / Liner									
						Depth, ft		Size, in		Weight, lb/ft		Grade	Thread		
Offshore Zone		Well Class Old		Well Type Workover		719.0		8.6		24.0		j55	8rd		
						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	Thread
Service Line Cementing		Job Type Stub Plug				T		916.0		2.4		4.7		j55	EUE
								0.0		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						Diameter	
						ft		ft						in	
						Treat Down Tubing		Displacement 1.8 bbl		Packer Type		Packer Depth ft			
						Tubing Vol. 3.5 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 Jan/14/2019		Arrived on Location Jan/14/2019		Leave Location Jan/14/2019		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									
01/14/2019	11:07:41	-1	0.0	8.41	0.0	JSA Complete									
01/14/2019	11:12:42	187	2.2	8.57	7.0										
01/14/2019	11:14:59	54	0.0	8.31	12.5	Start Pumping Wash									
01/14/2019	11:15:00	49	0.0	8.38	12.5	End Wash									
01/14/2019	11:15:03	45	0.0	8.41	12.5	Reset Total, Vol = 15.19 bbl									
01/14/2019	11:16:22	2283	0.0	8.41	12.5	Pressure Test Lines									
01/14/2019	11:17:43	31	0.0	8.90	12.5										
01/14/2019	11:19:20	49	0.0	14.37	12.5	Start Cement Slurry									
01/14/2019	11:22:44	223	2.4	14.17	19.8										
01/14/2019	11:27:45	228	2.0	13.75	31.0										
01/14/2019	11:31:22	237	2.0	14.08	38.1	End Cement Slurry									
01/14/2019	11:31:25	242	2.0	13.93	38.2	Reset Total, Vol = 29.94 bbl									
01/14/2019	11:31:29	242	2.0	12.96	38.4	Start Displacement									
01/14/2019	11:32:46	59	0.0	8.42	40.4										
01/14/2019	11:32:51	54	0.0	8.42	40.4	End Displacement									
01/14/2019	11:32:53	54	0.0	8.42	40.4	End Job									

Well HSR Nygren 3-19	Field DJ	Job Start Jan/14/2019	Customer Anadarko	Job Number E84H-00212
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 2.2	N2	Mud	Maximum Rate 2.7		Total Slurry 30.0	Mud 0.0	Spacer 15.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 2288	Final 49	Average 233	Bump Plug to	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 30.0 bbl		Displacement 1.8 bbl		Mix Water Temp 43 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Seth Chappell				Schlumberger Supervisor R Pippin				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-