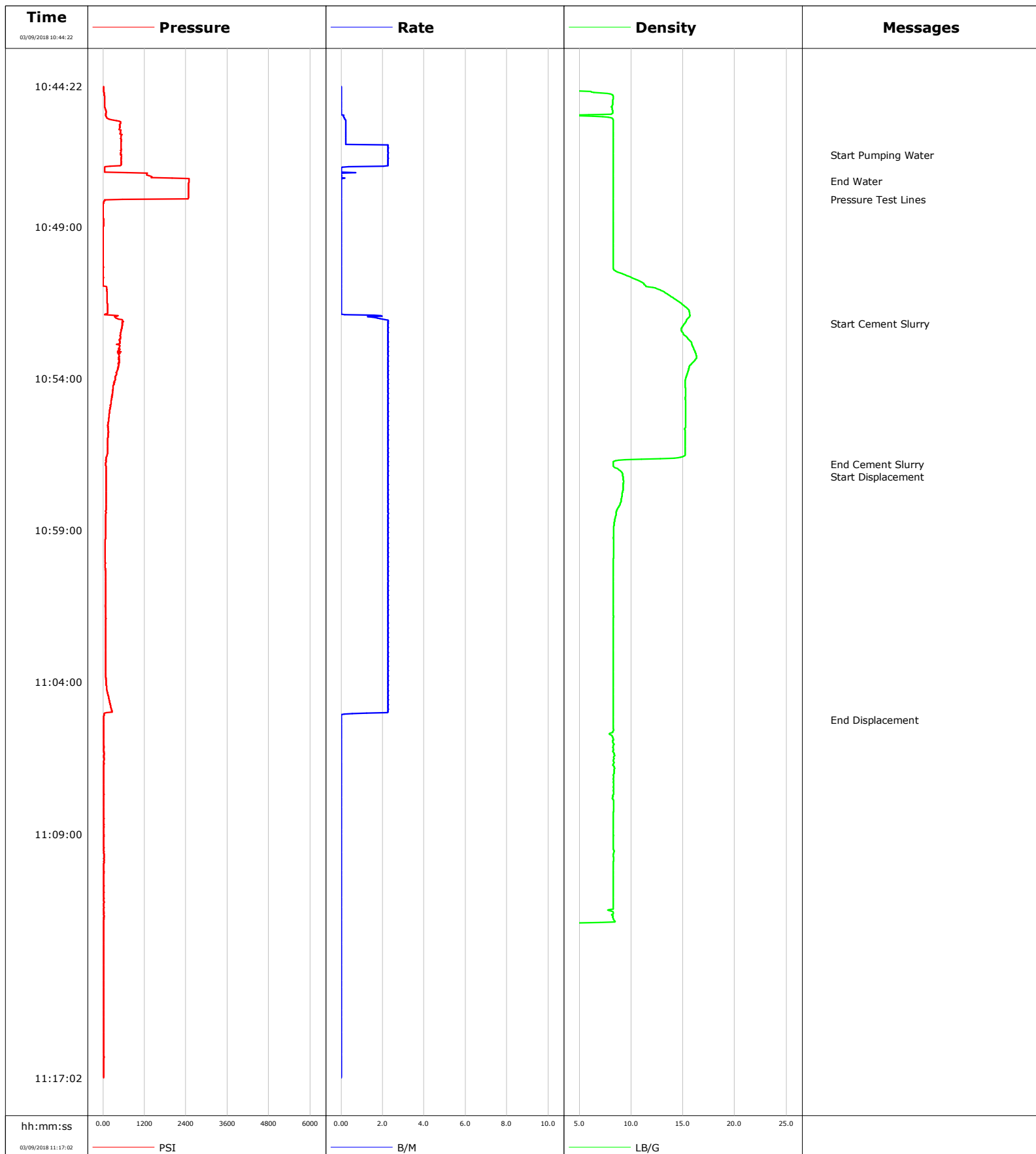


Well HSR BARRON 15-35
Field DJ
Engineer R Pippin
Country United States

Client Anadarko
SIR No. DXVN-00584
Job Type Nio Plug
Job Date 03-09-2018



Cementing Service Report

				Customer Anadarko			Job Number DXVN-00584						
Well HSR BARRON 15-35			Location (legal)			Schlumberger Location Cheyenne			Job Start Mar/09/2018				
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 6815.0 ft		Well TVD 6815.0 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 Oil & Gas		Service Via Land		Casing/ Liner							
						Depth, ft		Size, in		Weight, lb/ft		Grade	
						6815.0		4.5		11.6		N80	
Offshore Zone		Well Class Old		Well Type Workover		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	
						T		6815.0		2.4		4.7	
								0.0		0.0			
Service Line Cementing		Job Type Nio Plug		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole							
						Top, ft		Bottom, ft		shot/ft		No. of Shots	
						ft		ft				Total Interval ft	
						ft		ft				Diameter in	
						ft		ft					
						Treat Down Tubing		Displacement 22.2 bbl		Packer Type		Packer Depth ft	
						Tubing Vol. 26.4 bbl		Casing Vol. bbl		Annular Vol. bbl		Openhole Vol. bbl	
Service Instructions 40 sks 1.53ft3/sk 6.35 gpg 10.9 bbls @ 15.8 ppg 5 bbls Fresh Water 10.9 bbls CMT @ 15.8 ppg 22.2 bbls Displacement EST TOC 6112 FT													
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/09/2018		Arrived on Location Mar/09/2018		Leave Location Mar/09/2018		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							
03/09/2018	10:44:22	22	0.0	0.01	0.0	Water Test Complete							
03/09/2018	10:46:38	516	2.3	8.28	0.9	Start Pumping Water							
03/09/2018	10:47:30	2485	0.0	8.28	1.8	End Water							
03/09/2018	10:48:05	2457	0.0	8.28	1.8	Pressure Test Lines							
03/09/2018	10:49:23	13	0.0	8.28	1.8								
03/09/2018	10:52:12	558	2.3	15.16	2.4	Start Cement Slurry							
03/09/2018	10:54:24	287	2.3	15.24	7.4								
03/09/2018	10:56:50	86	2.3	8.27	12.9	End Cement Slurry							
03/09/2018	10:56:53	86	2.3	8.28	13.0	Start Displacement							
03/09/2018	10:59:25	68	2.3	8.32	18.7								
03/09/2018	11:04:26	150	2.3	8.28	30.1								
03/09/2018	11:05:14	27	0.0	8.28	31.4	End Displacement							
03/09/2018	11:09:27	27	0.0	8.30	31.4								

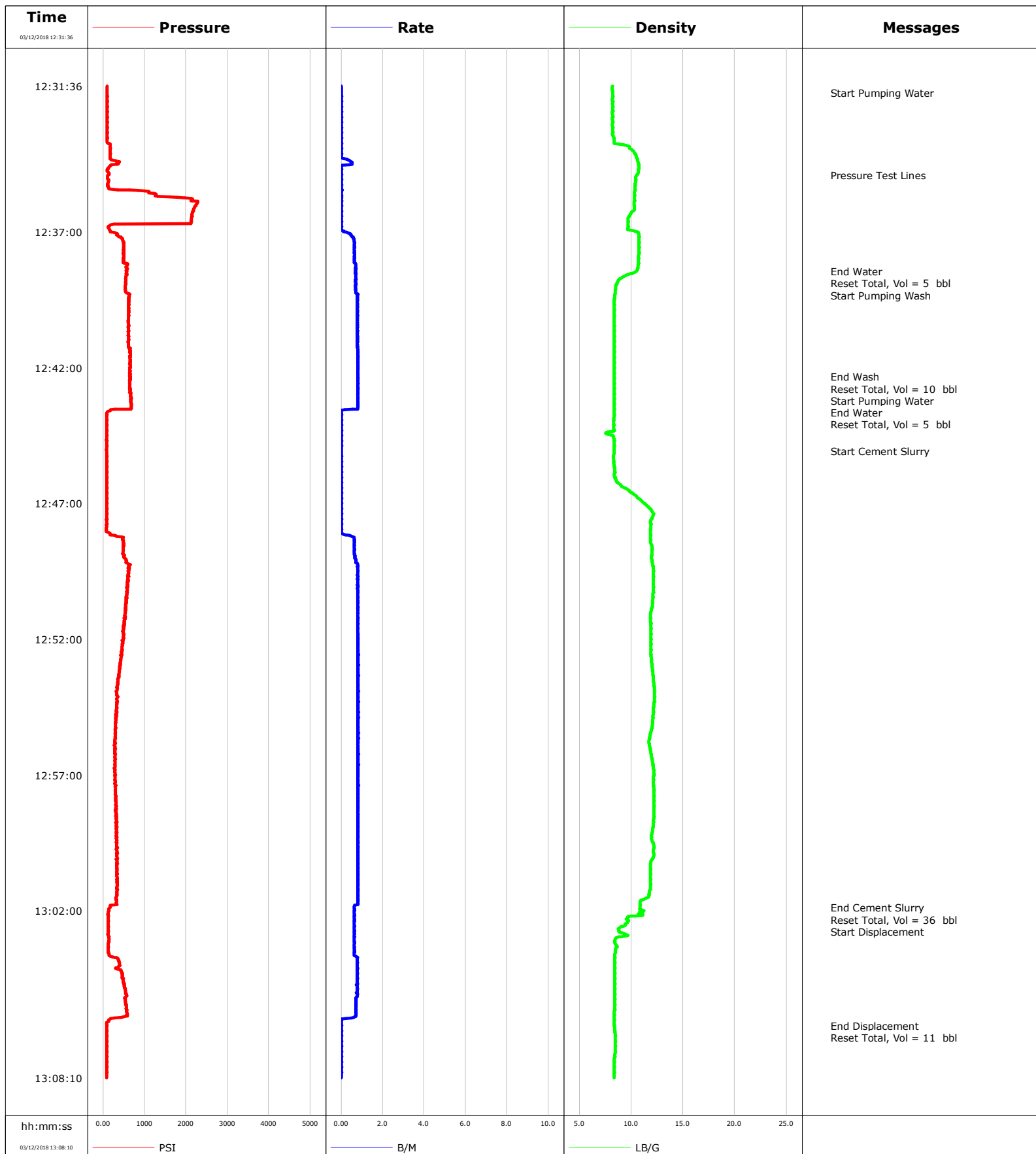
Well HSR BARRON 15-35	Field DJ	Job Start Mar/09/2018	Customer Anadarko	Job Number DXVN-00584
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.1	N2	Mud	Maximum Rate 2.3		Total Slurry 10.9	Mud 0.0	Spacer 5.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2494	Final 27	Average 171	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 10.9 bbl	Displacement 22.2 bbl	Mix Water Temp 56 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Bill Smith			Schlumberger Supervisor R Pippin			Circulation Lost <input type="checkbox"/>		Job Completed <input type="checkbox"/>
						-		-

Well HSR- BARRON- 15-35
Field DJ
Engineer LUIS JIMENEZ
Country United States

Client ANADARKO
SIR No. 2689623
Job Type SUSSEX SQZ.
Job Date 03-12-2018



Cementing Service Report

				Customer ANADARKO		Job Number 2689623	
Well HSR- BARRON- 15-35		Location (legal) WELD		Schlumberger Location CHEYENNE		Job Start Mar/12/2018	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD 410.0 ft	Well TVD 4100.0 ft
County WELD		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master		API/UWI					
Rig Name LEED# 721	Drilled For Oil and Gas	Service Via Land	Casing/ Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone N/A	Well Class Old	Well Type Workover	4100.0	4.5	11.6	N80	N/A
			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
Service Line Cementing	Job Type SUSSEX SQZ.			T	3730.0	2.4	4.7
					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
Service Instructions 120 sks 1.79 ft3/sk 9.25 gps @ 12 ppg 5 bbls Water 10 bbls D075 5 bbls Water 36 bbls CMT 11.4 bbls Disp. Water est. TOC= 3537 ft				Treat Down Tubing	Displacement 11.4 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/12/2018	Arrived on Location Mar/12/2018	Leave Location Mar/12/2018		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	
03/12/2018	12:31:36	100	0.0	8.22	0.0	End Job	
03/12/2018	12:31:51	100	0.0	8.24	0.0	Start Pumping Water	
03/12/2018	12:34:52	141	0.0	10.62	1.1	Pressure Test Lines	
03/12/2018	12:38:26	567	0.7	10.53	4.1	End Water	
03/12/2018	12:38:27	576	0.7	10.47	4.1	Reset Total, Vol = 5 bbl	
03/12/2018	12:38:29	571	0.7	10.31	4.1	Start Pumping Wash	
03/12/2018	12:42:19	640	0.8	8.36	13.9	End Wash	
03/12/2018	12:42:20	663	0.8	8.36	13.9	Reset Total, Vol = 10 bbl	
03/12/2018	12:42:21	654	0.8	8.36	13.9	Start Pumping Water	
03/12/2018	12:43:33	191	0.2	8.36	17.1	End Water	
03/12/2018	12:43:34	182	0.0	8.36	17.2	Reset Total, Vol = 5 bbl	
03/12/2018	12:45:03	86	0.0	8.37	17.3	Start Cement Slurry	
03/12/2018	13:01:54	168	0.6	10.84	54.2	End Cement Slurry	
03/12/2018	13:01:55	150	0.6	10.84	54.2	Reset Total, Vol = 36 bbl	
03/12/2018	13:01:57	141	0.7	10.83	54.3	Start Displacement	
03/12/2018	13:06:15	86	0.0	8.38	64.8	End Displacement	

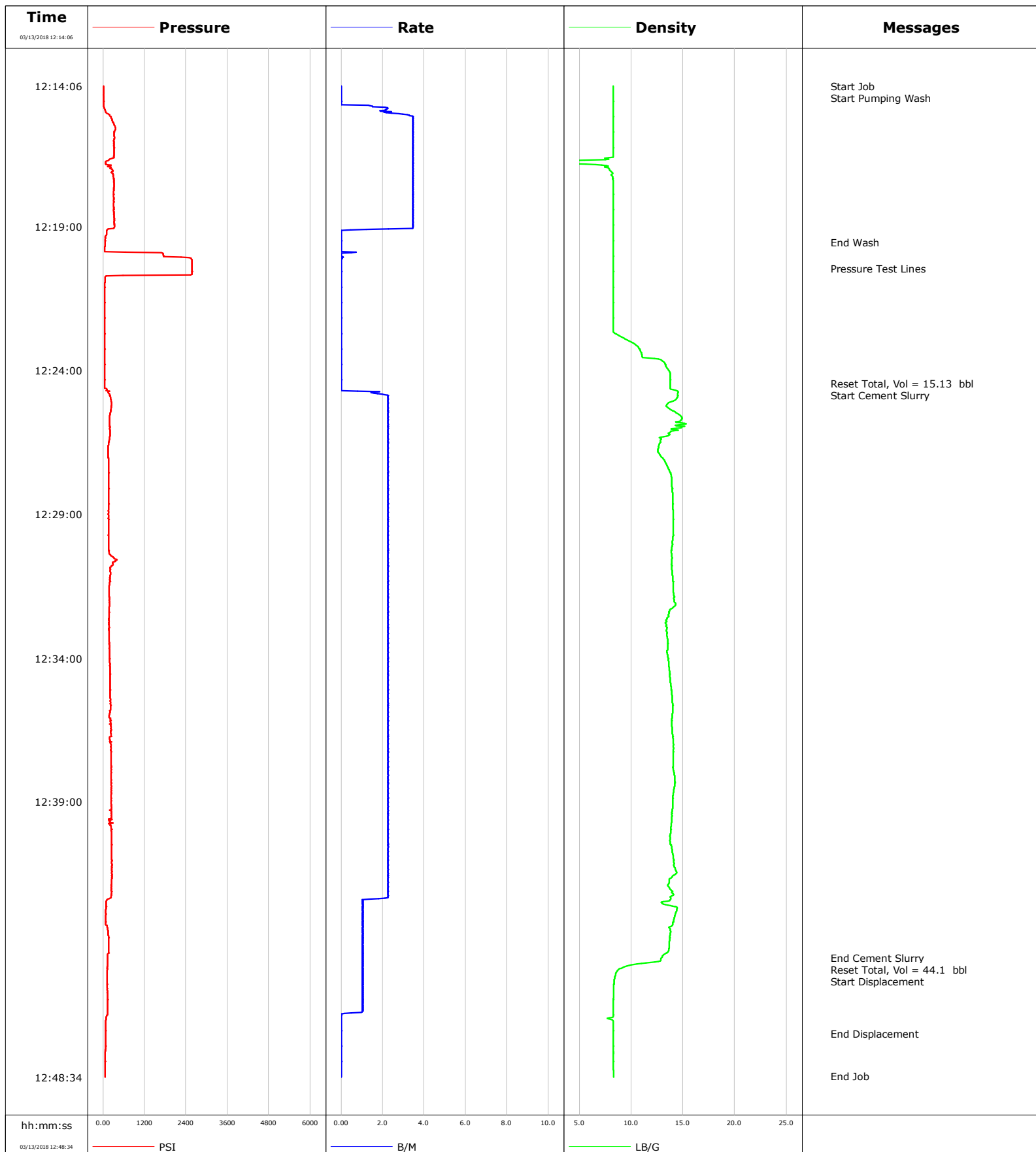
Well HSR- BARRON- 15-35	Field DJ	Job Start Mar/12/2018	Customer ANADARKO	Job Number 2689623
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.4	N2	Mud	Maximum Rate 3.0		Total Slurry 36.0	Mud 0.0	Spacer 10.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2292	Final 91	Average 389	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 36.0 bbl	Displacement 11.0 bbl	Mix Water Temp 55 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative BILL SMITH			Schlumberger Supervisor LUIS JIMENEZ			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-

Well HSR BARRON 15-35
Field DJ
Engineer R Pippin
Country United States

Client Anadarko
SIR No. DXVN-00586
Job Type Stub Plug
Job Date 03-13-2018



				Customer Anadarko		Job Number DXVN-00586			
Well HSR BARRON 15-35		Location (legal)		Schlumberger Location Cheyenne		Job Start Mar/13/2018			
Field DJ		Formation Name/Type		Deviation deg		Well MD 955.0 ft			
County Weld		State/Province Colorado		Bit Size in		Well TVD 955.0 ft			
Well Master		API/UWI		BHP psi		BHST degF			
Rig Name		Drilled For Gas		BHCT degF		Pore Press. Gradient lb/gal			
Service Via Land									
Offshore Zone		Well Class Old		Well Type Workover					
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP					
Service Line Cementing		Job Type Stub Plug							
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S					
Service Instructions 217 sks 1.15ft3/sk 4.51 gps 44.4 bbls @ 14 ppg 15 bbls CW 44.4 bbls CMT @ 14 ppg 1.5 bbls Displacement EST TOC 100 FT				Casing/Liner					
				Depth, ft		Size, in		Weight, lb/ft	
				Grade		Thread			
				T/D		Depth, ft		Size, in	
				Weight, lb/ft		Grade		Thread	
				T		955.0		2.4	
				0.0		0.0		4.7	
				J55		EUE			
				Perforations/Open Hole					
				Top, ft		Bottom, ft		shot/ft	
ft		ft		ft					
ft		ft		ft					
ft		ft		ft					
Total Interval ft		Diameter in							
Treat Down Tubing		Displacement 1.5 bbl		Packer Type		Packer Depth ft			
Tubing Vol. 3.7 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					
Lift Pressure psi				Squeeze Job					
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					
Stage Tool Depth ft				Tool Depth ft					
Cement Head Type				Tail Pipe Size in					
Job Scheduled For Mar/13/2018				Arrived on Location Mar/13/2018					
Leave Location Mar/13/2018				Collar Type					
Collar Depth ft				Tail Pipe Depth ft					
Sqz. Total Vol. bbl									
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/13/2018	12:14:06	17	0.0	8.28	0.0	Water Test Complete			
03/13/2018	12:14:07	17	0.0	8.28	0.0	Start Job			
03/13/2018	12:14:08	17	0.0	8.28	0.0	Start Pumping Wash			
03/13/2018	12:19:07	118	0.5	8.28	14.5				
03/13/2018	12:19:33	59	0.0	8.28	14.5	End Wash			
03/13/2018	12:20:27	2581	0.0	8.28	14.6	Pressure Test Lines			
03/13/2018	12:24:08	49	0.0	13.78	14.6				
03/13/2018	12:24:27	49	0.0	13.78	14.6	Reset Total, Vol = 15.13 bbl			
03/13/2018	12:24:33	49	0.0	13.78	14.6	Start Cement Slurry			
03/13/2018	12:29:09	159	2.3	14.07	24.5				
03/13/2018	12:34:10	200	2.3	13.62	35.9				
03/13/2018	12:39:11	246	2.3	14.01	47.2				
03/13/2018	12:44:12	159	1.0	13.58	56.3				
03/13/2018	12:44:25	141	1.1	12.96	56.5	End Cement Slurry			
03/13/2018	12:44:28	141	1.0	12.86	56.6	Reset Total, Vol = 44.1 bbl			
03/13/2018	12:44:32	136	1.0	12.80	56.6	Start Displacement			
03/13/2018	12:47:03	72	0.0	8.30	58.5	End Displacement			

Well HSR BARRON 15-35	Field DJ	Job Start Mar/13/2018	Customer Anadarko	Job Number DXVN-00586
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.2	N2	Mud	Maximum Rate 3.5		Total Slurry 44.4	Mud 0.0	Spacer 15.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2581	Final 68	Average 225	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 44.4 bbl	Displacement 1.5 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 Bill Smith			Schlumberger Supervisor R Pippin			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-