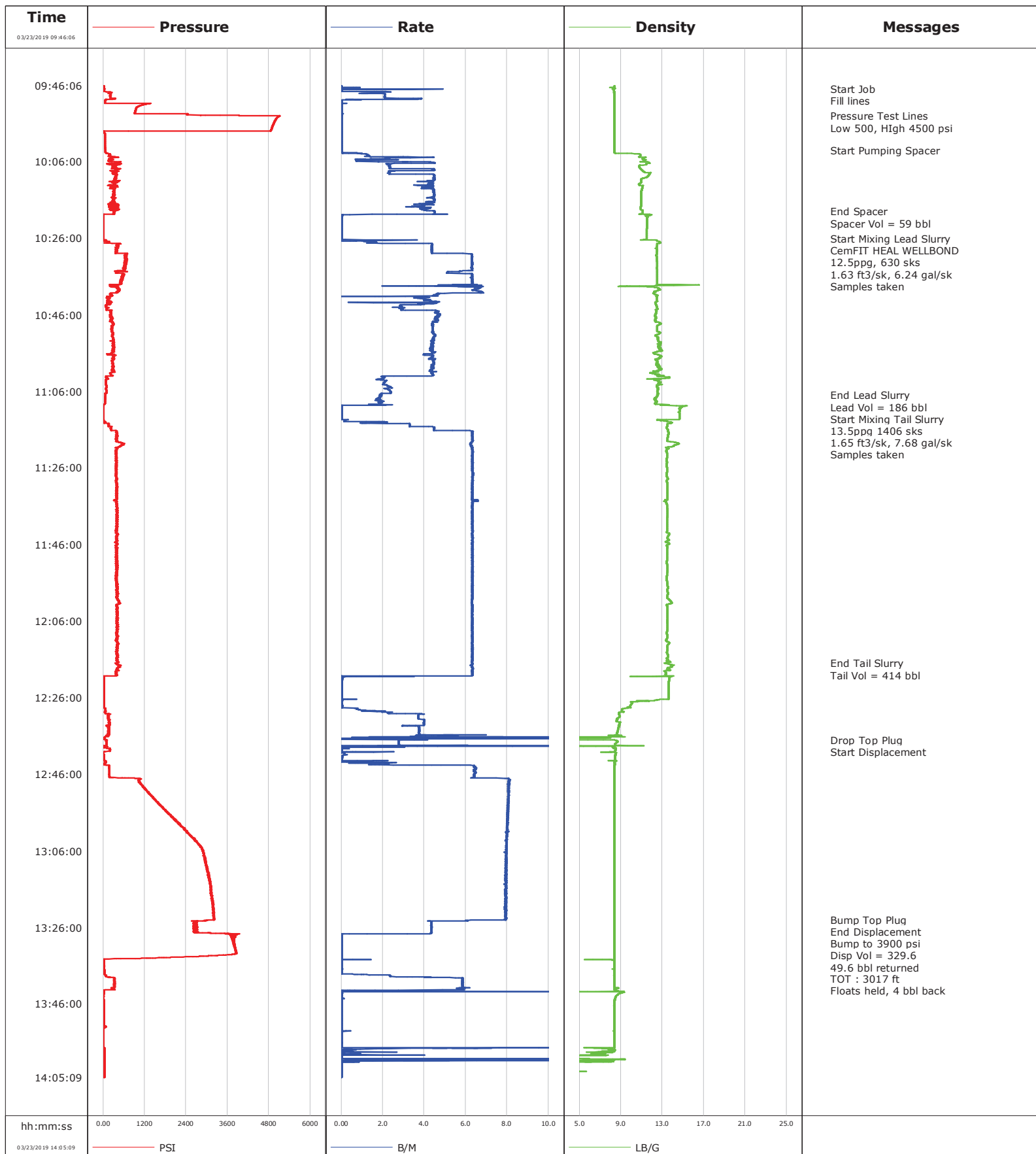


Well Bighown 4Q-17H-P267
Field Wattenberg
Engineer Michael Navoy / Brandon Dejong
Country United States

Client Crestone Peak Resources
SIR No. EAHN-00045
Job Type Production
Job Date 03-23-2019



				Customer Crestone Peak Resources			Job Number EAHN-00045		
Well Bighorn 4Q-17H-P267			Location (legal)		Schlumberger Location Cheyenne			Job Start Mar/23/2019	
Field Wattenberg		Formation Name/Type		Deviation 90 deg		Bit Size 8.5 in		Well MD 14879.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 239 degF		BHCT 221 degF	
Well Master 0631799842		API/UWI						Pore Press. Gradient lb/gal	
Rig Name Ensign 153		Drilled For Oil		Service Via Land		Casing / Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		2380.0		9.6	
						14862.0		5.5	
						40.0		J55	
						20.0		P110	
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 Production							
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection		Perforations / Open Hole			
						Top, ft		Bottom, ft	
						shot/ft		No. of Shots	
						ft		ft	
						ft		ft	
						Treat Down Casing		Displacement 329.6 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 329.9 bbl	
						Annular Vol. 619.7 bbl		Openhole Vol. 0.0 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 14862.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type		Tool Depth ft	
Cement Head Type						Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Mar/23/2019 06:00		Arrived on Location Mar/23/2019 06:00		Leave Location Mar/23/2019 16:15		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 14848.7 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/23/2019	09:46:06	15	0.0	8.36	0.0	Started Acquisition			
03/23/2019	09:47:00	47	4.9	8.18	0.2	Start Job			
03/23/2019	09:48:00	240	2.0	8.35	1.3	Fill lines			
03/23/2019	09:54:00	5107	0.0	8.36	5.2	Pressure Test Lines			
03/23/2019	09:55:00	4987	0.0	8.36	5.2	Low 500, HIgh 4500 psi			
03/23/2019	10:03:00	59	0.0	8.36	0.0	Start Pumping Spacer			
03/23/2019	10:19:00	326	4.5	11.10	55.5	End Spacer			
03/23/2019	10:20:00	7	0.1	11.73	58.7	Spacer Vol = 59 bbl			
03/23/2019	10:26:03	6	0.0	11.49	0.0	Start Mixing Lead Slurry			
03/23/2019	10:26:04	6	0.0	11.49	0.0	CemFIT HEAL WELLBOND			
03/23/2019	10:26:05	5	0.0	11.49	0.0	12.5ppg, 630 sks			
03/23/2019	10:27:00	166	1.7	12.77	1.0	1.63 ft3/sk, 6.24 gal/sk			
03/23/2019	10:28:00	428	4.4	12.46	4.7	Samples taken			
03/23/2019	11:07:00	65	1.9	12.58	181.4	End Lead Slurry			
03/23/2019	11:08:00	53	1.7	12.33	183.2	Lead Vol = 186 bbl			
03/23/2019	11:09:24	7	2.2	13.25	0.0	Start Mixing Tail Slurry			
03/23/2019	11:09:26	6	2.0	13.07	0.1	13.5ppg 1406 sks			
03/23/2019	11:10:00	7	0.0	14.90	0.4	1.65 ft3/sk, 7.68 gal/sk			
03/23/2019	11:11:00	7	0.0	14.68	0.4	Samples taken			
03/23/2019	12:17:00	374	6.3	13.42	393.3	End Tail Slurry			
03/23/2019	12:18:00	460	6.3	13.64	399.6	Tail Vol = 414 bbl			

Well			Field		Job Start		Customer		Job Number	
Bighown 4Q-17H-P267			Wattenberg		Mar/23/2019		Crestone Peak Resources		EAHN-00045	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/23/2019	12:38:00	96	2.8	8.43	33.1	Start Displacement				
03/23/2019	13:24:00	3198	8.0	8.36	320.0	Bump Top Plug				
03/23/2019	13:25:00	2634	4.4	8.36	324.8	End Displacement				
03/23/2019	13:26:00	2678	4.4	8.36	329.2	Bump to 3900 psi				
03/23/2019	13:27:00	2708	4.4	8.36	333.5	Disp Vol = 329.6				
03/23/2019	13:28:00	3692	0.0	8.36	336.1	49.6 bbl returned				
03/23/2019	13:29:00	3782	0.0	8.36	336.1	TOT : 3017 ft				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate 0.0	Total Slurry 600.0	Mud 0.0	Spacer 59.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 16	Final 16	Average	Bump Plug to 3900	Breakdown	Type	Volume bbl	Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl		Displacement 329.6 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl				
					Washed Thru Perfs <input type="checkbox"/>		To ft				
Customer or Authorized Representative Company Man			Schlumberger Supervisor Michael Navoy / Brandon Dejong			Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>				
						-	-				