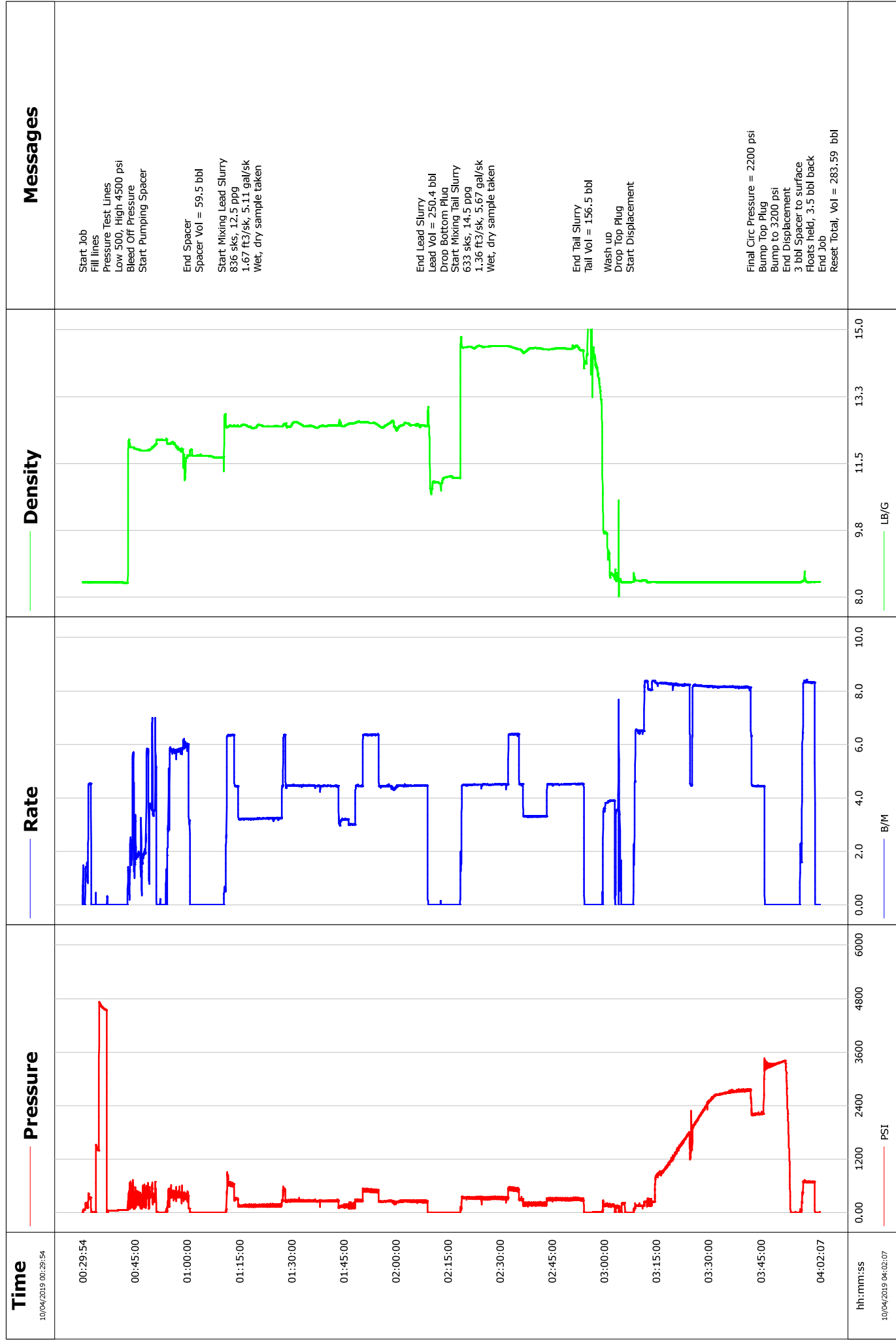


<b>Well</b>	Hingley 1A-18H-A167	<b>Client</b>	Crestone
<b>Field</b>	DJ	<b>SIR No.</b>	EDHD-00041
<b>Engineer</b>	Michael Navoy / Brandon Dejong	<b>Job Type</b>	Production
<b>Country</b>	United States	<b>Job Date</b>	10-04-2019



				Customer			Job Number		
				Crestone			EDHD-00041		
Well		Location (legal)		Schlumberger Location			Job Start		
Hingley 1A-18H-A167				Cheyenne			Oct/04/2019		
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD		
DJ				90 deg	8.5 in	12651.0 ft	7692.0 ft		
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
Weld		Colorado		psi	237 degF	217 degF	lb/gal		
Well Master		API/UWI							
00064743560									
Rig Name	Drilled For	Service Via	Casing/Liner						
E153	Oil	Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class	Well Type	2568.0	9.6	40.0	J55	N/A		
	Old	Development	12648.8	5.5	20.0	P110	BUTT		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	
Service Line	Job Type								
Cementing	Production								
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole						
psi	psi		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
Service Instructions	5.5 inch Production		ft	ft			ft		
			ft	ft			Diameter		
			ft	ft			in		
Treat Down		Displacement		Packer Type		Packer Depth			
Casing		280.5 bbl				ft			
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.			
bbl		280.5 bbl		530.6 bbl		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	12648.8 ft			Tool Type	
No. Centralizers	Top Plugs	1	Bottom Plugs	1	Stage Tool Type			Tool Depth	
								ft	
Cement Head Type	Double			Stage Tool Depth			ft		
							in		
Job Scheduled For	Arrived on Location	Leave Location	Collar Type			Float			
Oct/03/2019 15:30	Oct/03/2019 15:30	Oct/04/2019 06:00	Collar Depth			12637.0 ft			
						Sqz. Total Vol.			
						bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/04/2019	00:29:54	12	1.1	8.39	0.0	Started Acquisition			
10/04/2019	00:30:00	15	0.0	8.40	0.0	Start Job			
10/04/2019	00:31:11	225	1.4	8.40	0.0	Fill lines			
10/04/2019	00:33:56	1501	0.0	8.39	0.0	Pressure Test Lines			
10/04/2019	00:34:53	4701	0.0	8.39	0.0	Low 500, High 4500 psi			
10/04/2019	00:37:34	47	0.0	8.39	0.0	Bleed Off Pressure			
10/04/2019	00:42:00	62	0.0	8.39	0.0	Start Pumping Spacer			
10/04/2019	01:00:00	330	5.9	11.66	0.0	End Spacer			
10/04/2019	01:01:00	11	0.0	11.83	0.0	Spacer Vol = 59.5 bbl			
10/04/2019	01:10:00	2	0.0	11.65	0.0	Start Mixing Lead Slurry			
10/04/2019	01:11:00	9	0.6	12.77	0.0	836 sks, 12.5 ppg			
10/04/2019	01:12:00	625	6.4	12.47	0.0	1.67 ft3/sk, 5.11 gal/sk			
10/04/2019	01:13:00	626	6.3	12.47	0.0	Wet, dry sample taken			
10/04/2019	02:07:00	244	4.5	12.44	0.0	End Lead Slurry			
10/04/2019	02:08:00	269	4.5	12.49	0.0	Lead Vol = 250.4 bbl			
10/04/2019	02:10:00	3	0.0	10.96	0.0	Drop Bottom Plug			
10/04/2019	02:17:00	2	0.0	11.12	0.0	Start Mixing Tail Slurry			
10/04/2019	02:18:00	2	0.0	11.12	0.0	633 sks, 14.5 ppg			
10/04/2019	02:19:00	120	2.1	14.78	0.0	1.36 ft3/sk, 5.67 gal/sk			
10/04/2019	02:20:00	326	4.5	14.53	0.0	Wet, dry sample taken			
10/04/2019	02:52:00	330	4.5	14.57	0.0	End Tail Slurry			

Well		Field		Job Start		Customer		Job Number	
Hingley 1A-18H-A167		DJ		Oct/04/2019		Crestone		EDHD-00041	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/04/2019	03:01:00	154	3.8	9.53	0.0	Wash up			
10/04/2019	03:04:00	137	3.5	8.49	0.0	Drop Top Plug			
10/04/2019	03:05:00	3	0.3	8.39	0.0	Start Displacement			
10/04/2019	03:42:00	2741	8.1	8.39	0.0	Final Circ Pressure = 2200 psi			
10/04/2019	03:43:00	2196	4.4	8.39	0.0	Bump Top Plug			
10/04/2019	03:44:00	2202	4.4	8.39	0.0	End Displacement			
10/04/2019	03:49:00	3323	0.0	8.39	0.0	3 bbl Spacer to surface			
10/04/2019	03:50:00	3339	0.0	8.40	0.0	Floats held, 3.5 bbl back			
10/04/2019	03:52:00	3397	0.0	8.40	0.0	End Job			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
					401.7		59.5	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
	0		3200			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume	
%	0.0 bbl		280.5 bbl	degF	<input type="checkbox"/>		bbl	
Customer or Authorized Representative					Washed Thru Perfs		To	
					<input type="checkbox"/>		ft	
Company Man			Schlumberger Supervisor			Circulation Lost		Job Completed
			Michael Navoy / Brandon Dejong			<input type="checkbox"/>		<input type="checkbox"/>
					-		-	