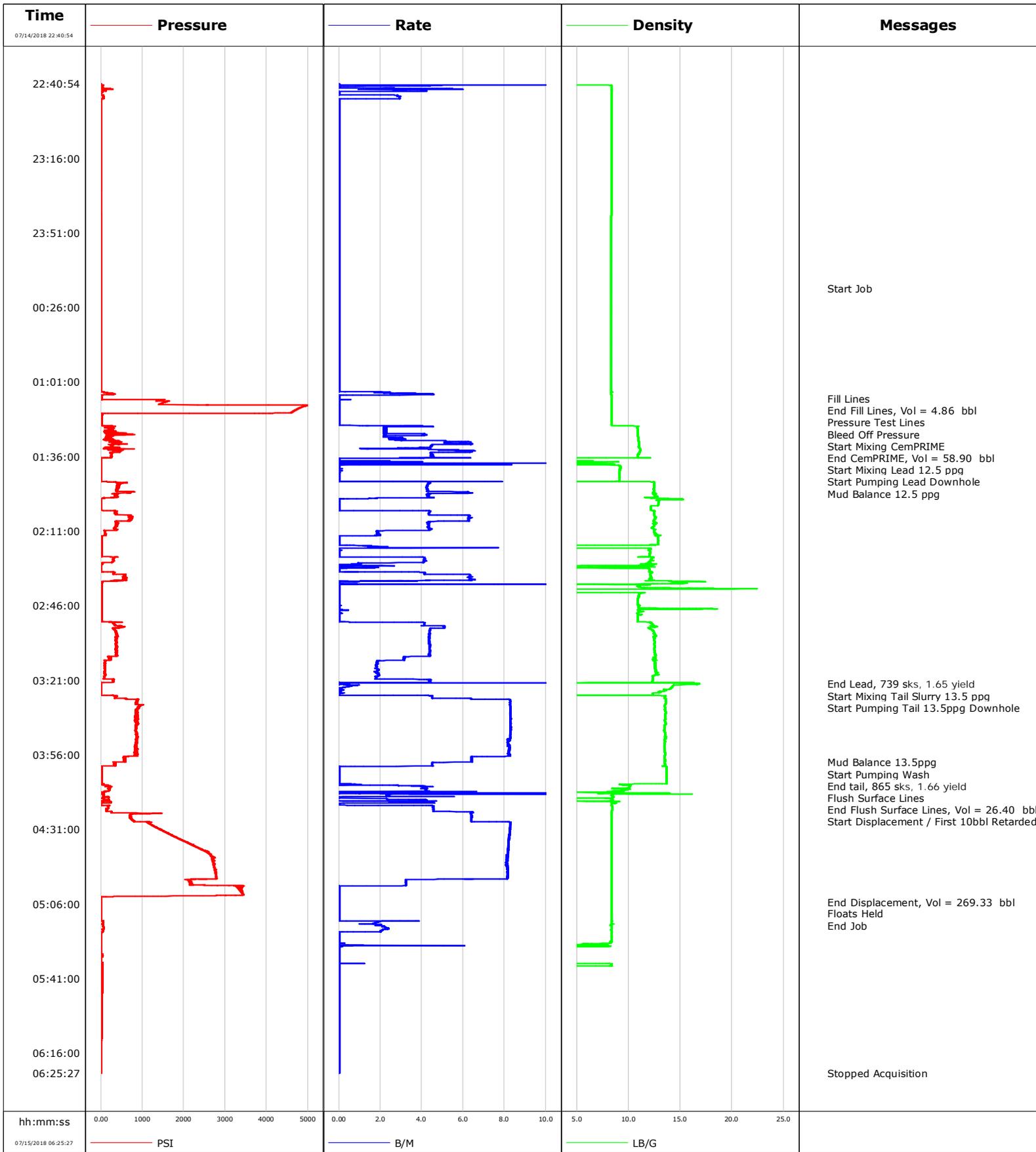


Well	Ruegge 3N-4H-N165	Client	CRESTONE PEAK RESOURCES OPERAT
Field	DJ	SIR No.	E0ZP-00375
Engineer	Adam Aasen	Job Type	Production
Country	United States	Job Date	07-15-2018



				Customer			Job Number		
Well Ruegge 3N-4H-N165 E0ZP-00375				CRESTONE PEAK RESOURCES OPERAT			E0ZP-00375		
Location (legal)		Schlumberger Location		Job Start					
		Cheyenne		Jul/15/2018					
Field	Formation Name/Type	Deviation	Bit Size	Well MD		Well TVD			
DJ		90 deg	8.5 in	12160.0 ft		7100.0 ft			
County	State/Province	BHP	BHST	BHCT		Pore Press. Gradient			
	Colorado	psi	223 degF	194 degF		lb/gal			
Well Master	API/UWI								
Rig Name	Drilled For	Service Via	Casing/Liner						
Ensign 140	Oil	Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class	Well Type	2504.0	9.6	40.0	J55	N/A		
	New	New Well Completion	12145.0	5.5	20.0	P110	BTC		
Drilling Fluid Type	Max. Density	Plastic Viscosity	Tubing/Drill Pipe						
Oil Mud	10.40 lb/gal	49.000 cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Service Line	Job Type								
Cementing	Production								
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole						
2500 psi	2500 psi		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
Service Instructions Cement 5.5 Production Casing CemPRIME: 58 bbl Lead: 226.5 bbl Tail: 256.6 bbl Disp: 269 bbl Returns: 30bbl TOL: Surface TOT: 5,860 ft			ft	ft			ft		
			ft	ft			Diameter		
			ft	ft			in		
			Treat Down	Displacement	Packer Type	Packer Depth			
Casing	169.4 bbl		ft						
Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.						
bbl	269.6 bbl	27.6 bbl	393.3 bbl						
Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement		Casing Tools			Squeeze Job			
<input checked="" type="checkbox"/>	<input type="checkbox"/>								
Lift Pressure	psi		Shoe Type	Float		Squeeze Type			
Pipe Rotated	<input type="checkbox"/>		Pipe Reciprocated	<input type="checkbox"/>					
No. Centralizers	Top Plugs	Bottom Plugs	Shoe Depth	12145.0 ft		Tool Type			
	1		Stage Tool Type			Tool Depth			
Cement Head Type	Single		Stage Tool Depth	ft		Tail Pipe Size			
			Stage Tool Depth	ft		in			
Job Scheduled For	Arrived on Location	Leave Location	Collar Type	Float		Tail Pipe Depth			
Jul/14/2018 21:00	Jul/15/2018 20:30	Jul/15/2018 07:00	Collar Depth	12134.0 ft		Sqz. Total Vol.			
						bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/14/2018	22:40:54	-0	0.0	0.01	0.0	Started Acquisition			
07/15/2018	00:17:11	4	0.0	8.34	0.0	Start Job			
07/15/2018	01:08:59	16	0.0	8.36	4.8	Fill Lines			
07/15/2018	01:11:20	1420	0.0	8.36	4.9	End Fill Lines, Vol = 4.86 bbl			
07/15/2018	01:12:43	4840	0.0	8.36	4.9	Pressure Test Lines			
07/15/2018	01:15:39	3720	0.0	8.36	4.9	Bleed Off Pressure			
07/15/2018	01:16:47	21	0.0	8.36	0.0	Start Mixing CemPRIME			
07/15/2018	01:36:42	9	0.0	0.40	58.9	End CemPRIME, Vol = 58.90 bbl			
07/15/2018	01:36:52	9	0.0	0.23	0.0	Start Mixing Lead 12.5 ppg			
07/15/2018	01:41:07	7	0.0	9.21	1.1	Start Pumping Lead Downhole			
07/15/2018	01:48:34	425	4.4	12.48	4.2	Mud Balance 12.5 ppg			
07/15/2018	03:22:48	4	0.0	16.61	226.5	End Lead, Vol = 226.52 bbl			
07/15/2018	03:23:28	4	0.7	14.30	0.4	Start Mixing Tail Slurry 13.5 ppg			
07/15/2018	03:26:30	6	0.0	13.10	0.8	Start Pumping Tail 13.5ppg Downhole			
07/15/2018	03:59:28	336	4.6	13.47	248.5	Mud Balance 13.5ppg			
07/15/2018	04:01:36	12	0.0	13.67	256.7	Start Pumping Wash			
07/15/2018	04:02:04	13	0.0	13.67	256.7	End Tail, Vol = 256.68 bbl			
07/15/2018	04:03:33	12	0.0	13.66	0.0	Flush Surface Lines			
07/15/2018	04:18:45	2	0.0	8.72	26.4	End Flush Surface Lines, Vol = 26.40 bbl			
07/15/2018	04:19:15	5	0.0	8.36	0.0	Start Displacement / First 10bbl Retarded Water			
07/15/2018	05:05:01	8	0.0	8.37	274.3	End Displacement, Vol = 269.33 bbl			

Well Ruegge 3N-4H-N165 E0ZP-00375		Field DJ		Job Start Jul/15/2018		Customer CRESTONE PEAK RESOURCES OPERAT		Job Number E0ZP-00375	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/15/2018	05:06:41	8	0.0	8.37	274.3	End Job			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate		Total Slurry 482.0	Mud	Spacer 58.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final 0	Average	Bump Plug to 3200	Breakdown	Type FreshWater	Volume 1200.0 bbl		Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 472.0 bbl		Displacement 269.0 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 30.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Larry Candelaria			Schlumberger Supervisor Adam Aasen			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
					-		-		