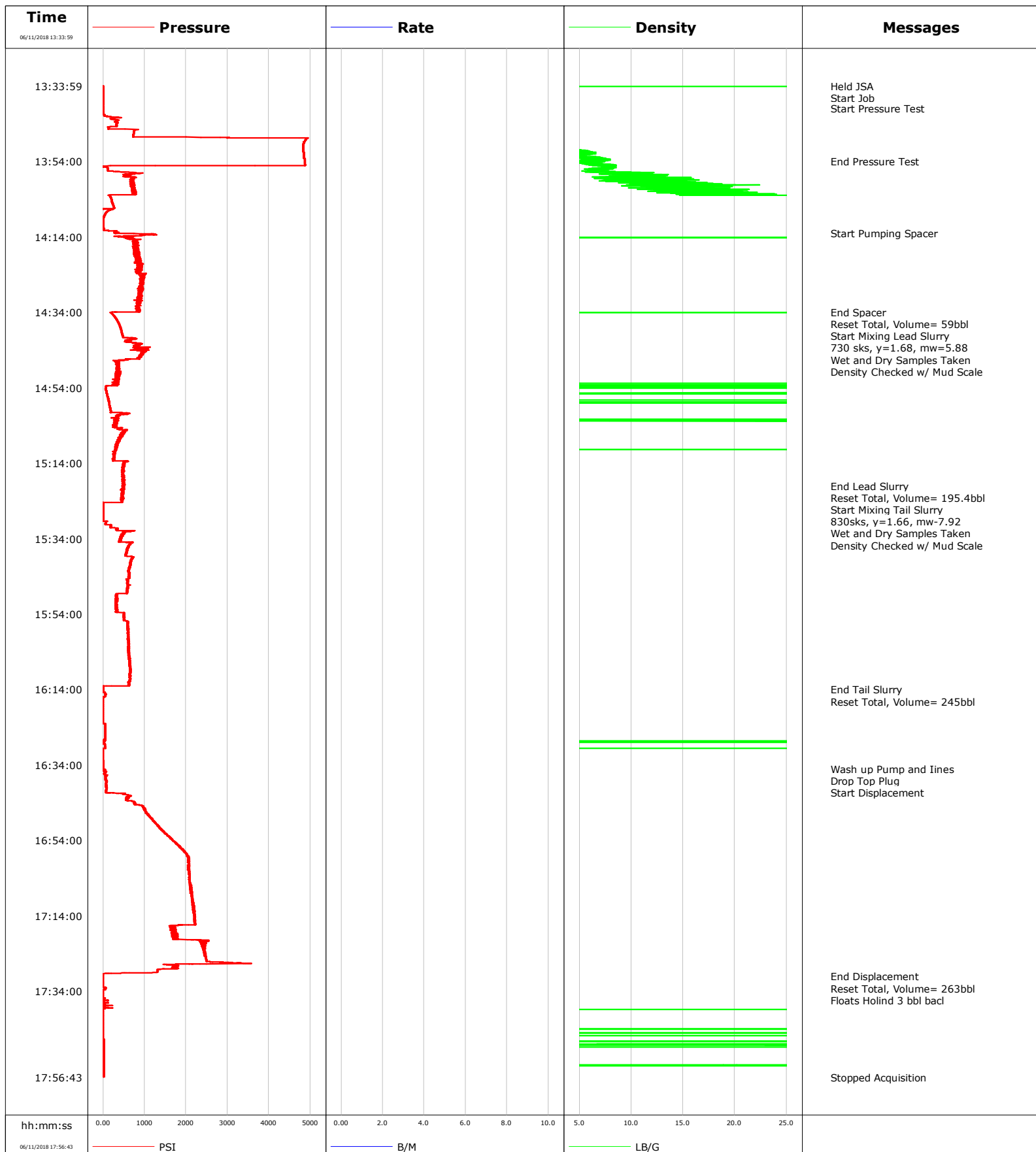
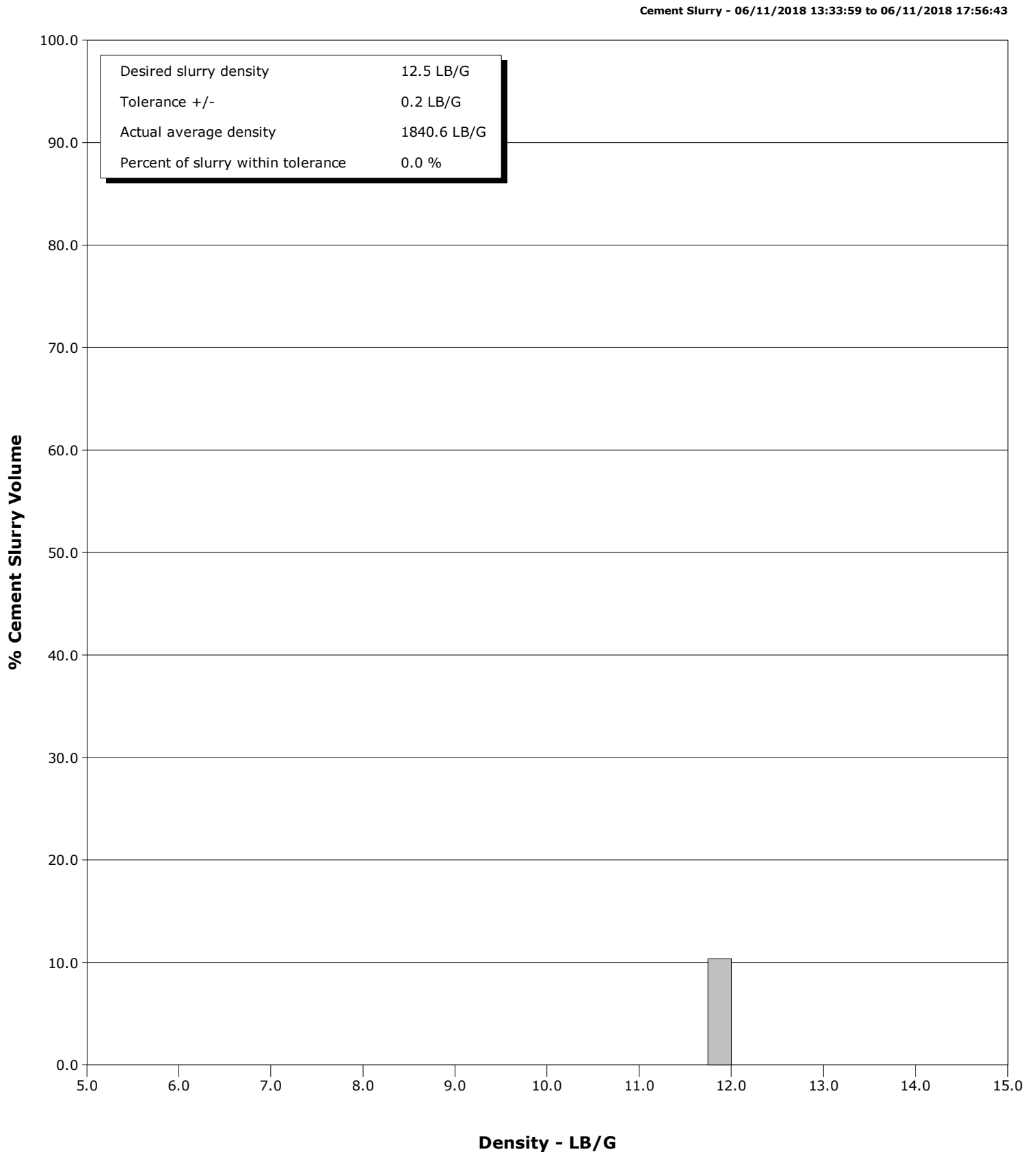


Well	Ruegge 3F-4H	Client	Crestone
Field	Wattenburg	SIR No.	E0ZP-00248
Engineer	Caleb Baldwin	Job Type	5.5" Production
Country		Job Date	



Well Ruegge 3F-4H
Field Wattenburg
Engineer Caleb Baldwin
Country

Client Crestone
SIR No. E0ZP-00248
Job Type 5.5" Production
Job Date



Cementing Service Report

				Customer Crestone			Job Number EOZP-00248		
Well Ruegge 3F-4H			Location (legal)		Schlumberger Location Cheyenne			Job Start Jun/26/2018	
Field Wattenburg		Formation Name/Type		Deviation deg	Bit Size in		Well MD 11868.0 ft	Well TVD 7055.0 ft	
County		State/Province Colorado		BHP psi	BHST 222 degF	BHCT 191 degF	Pore Press. Gradient lb/gal		
Well Master 0631761950		API/UWI							
Rig Name Ensign 140	Drilled For Oil & Gas	Service Via Land		Casing/ Liner					
				Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class New	Well Type Development		2483.0	9.6	40.0	j55		
				11868.0	5.5	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	
Service Line Cementing	Job Type 5.5" 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	Total Interval	
				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
				Treat Down	Displacement bbl	Packer Type	Packer Depth ft		
				Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. 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 11868.0 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 Jun/10/2018 15:00	Arrived on Location Jun/26/2018 15:00	Leave Location Jun/11/2018 02:30		Collar Type Float			Tail Pipe Depth ft		
				Collar Depth 11858.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure NULL	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/11/2018	13:33:59	0	0.0	585.95	0.0	Started Acquisition			
06/11/2018	13:34:00	0	0.0	586.83	8491245.0	Held JSA			
06/11/2018	13:35:00	0	0.0	-1.10	517965920.0	Start Job			
06/11/2018	13:40:00	0	0.0	-2.19	3065354752.0	Start Pressure Test			
06/11/2018	14:13:00	0	2.2	2776.99	19328378880.0	Start Pumping Spacer			
06/11/2018	14:34:00	0	0.4	3309.17	28468432896.0	End Spacer			
06/11/2018	14:34:30	0	0.0	2524.57	28729628672.0	Reset Total, Volume= 59bbl			
06/11/2018	14:35:00	0	0.0	2959.84	28991928320.0	Start Mixing Lead Slurry			
06/11/2018	14:36:00	0	0.0	2980.14	29516529664.0	730 sks, y=1.68, mw=5.88			
06/11/2018	14:36:30	0	0.0	2946.78	29778829312.0	Wet and Dry Samples Taken			
06/11/2018	14:37:00	0	0.0	2948.21	30041128960.0	Density Checked w/ Mud Scale			
06/11/2018	15:20:00	0	4.1	3762.88	49781395456.0	End Lead Slurry			
06/11/2018	15:21:00	0	4.1	3582.01	50215374848.0	Start Mixing Tail Slurry			
06/11/2018	15:22:00	0	4.1	3650.61	50649354240.0	830sks, y=1.66, mw=7.92			
06/11/2018	15:23:00	0	4.1	3372.39	51083333632.0	Wet and Dry Samples Taken			
06/11/2018	15:24:00	0	4.1	4863.34	51517313024.0	Density Checked w/ Mud Scale			
06/11/2018	16:14:00	0	0.0	2957.65	73767657472.0	End Tail Slurry			
06/11/2018	16:35:00	0	0.2	-514.07	84621393920.0	Wash up Pump and Lines			
06/11/2018	16:37:00	0	2.2	-517.25	85469650944.0	Drop Top Plug			
06/11/2018	16:38:00	0	2.1	-517.58	85903826944.0	Start Displacement			
06/11/2018	17:30:00	0	0.0	-504.41	109171040256.0	End Displacement			

Well Ruegge 3F-4H			Field Wattenburg		Job Start Jun/26/2018		Customer Crestone		Job Number E0ZP-00248		
Date	Time 24-hr clock	Treating Pressure NULL		Flow Rate B/M		Density LB/G		Volume BBL		Message	
06/11/2018	17:35:00	0		0.0		-504.74		111736012800.0		Floats Holind 3 bbl bacI	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum	Final 0	Average	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal			
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl		Displacement 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			Schlumberger Supervisor Caleb Baldwin			Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>				
						-	-				