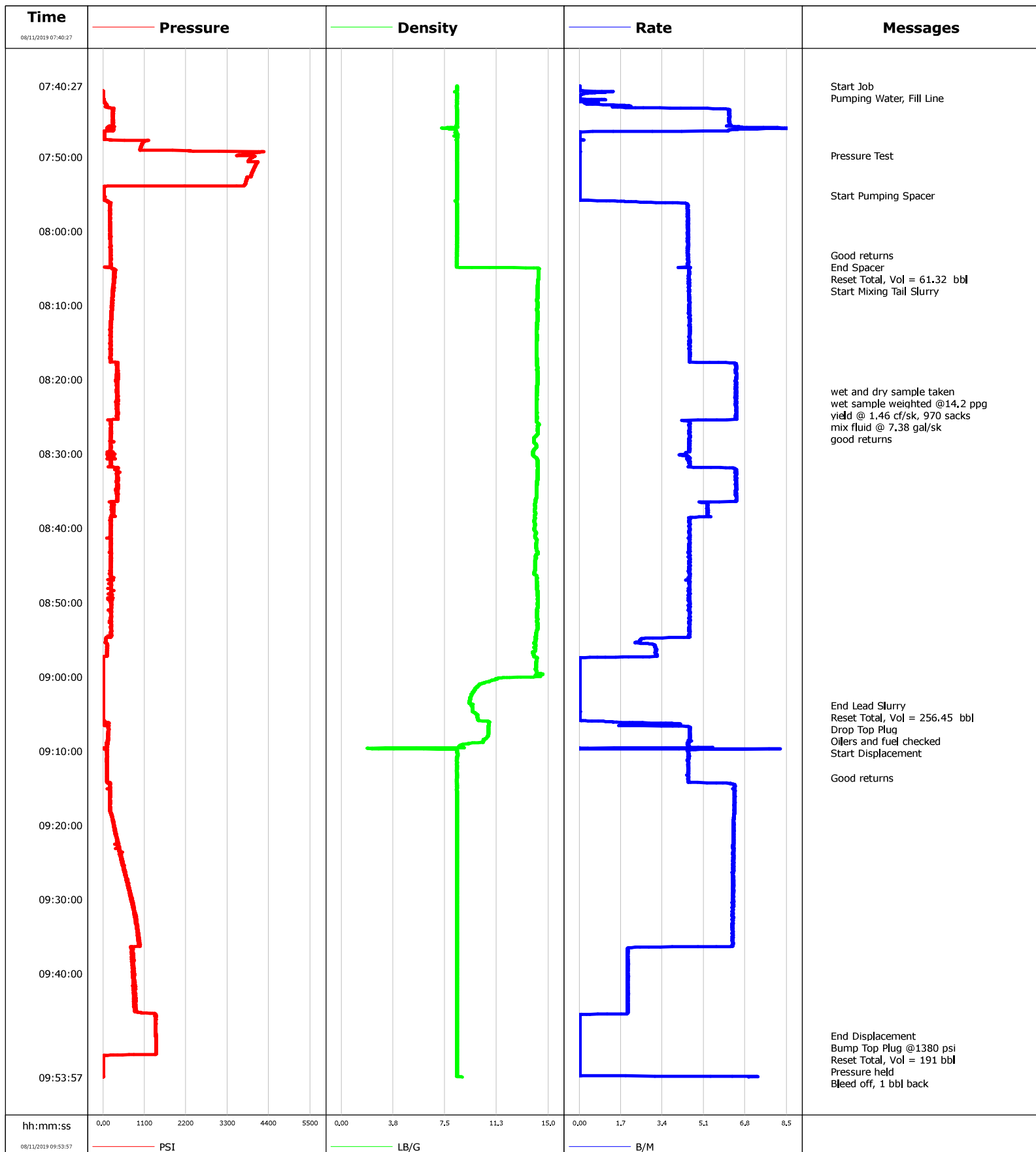


Well	HINGLEY 1K-18H-A167	Client	CRESTONE
Field		SIR No.	3023818
Engineer	LAN PHAM	Job Type	SURFACE
Country	United States	Job Date	08-11-2019



Cementing Service Report

				Customer CRESTONE				Job Number 3023818			
Well HINGLEY 1K-18H-A167 1K-18H-A167			Location (legal)			Schlumberger Location			Job Start Aug/11/2019		
Field		Formation Name/Type		Deviation deg		Bit Size in		Well MD 2564.4 ft		Well TVD 2564.4 ft	
County WELD		State/Province CO		BHP psi		BHST 115 degF		BHCT 85 degF		Pore Press. Gradient lb/gal	
Well Master 0064730902		API/UWI 05-123-47172-00-00									
Rig Name E122		Drilled For Oil and Gas		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
										Grade	
										Thread	
Offshore Zone		Well Class New		Well Type Exploration		100.0		16.0		55.0	
						2564.4		9.6		40.0	
										F25	
										J55	
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 SURFACE									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 9 5/8" 8RD		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down Casing		Displacement 191.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. 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 820 psi						Shoe Type FLOAT				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 2564.4 ft				Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth ft	
Cement Head Type Single						Stage Tool Depth ft				Tail Pipe Size in	
Job Scheduled For Aug/11/2019 06:00		Arrived on Location Aug/11/2019 06:00		Leave Location Aug/11/2019 11:00		Collar Type FLOAT				Tail Pipe Depth ft	
						Collar Depth 2522.7 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Pressure PSI	Message					
08/11/2019	07:40:27	-2	0.0	8.37	-1	Started Acquisition					
08/11/2019	07:40:28	-3	0.0	8.37	-2	Start Job					
08/11/2019	07:40:34	-3	0.0	8.37	-2	Pumping Water, Fill Line					
08/11/2019	07:49:50	3602	0.0	8.39	3571	Pressure Test					
08/11/2019	07:55:13	17	0.0	8.37	16	Start Pumping Spacer					
08/11/2019	08:03:15	199	4.5	8.36	206	Good returns					
08/11/2019	08:04:14	193	4.5	8.36	211	End Spacer					
08/11/2019	08:04:15	210	4.4	8.36	201	Reset Total, Vol = 61.32 bbl					
08/11/2019	08:04:20	203	4.5	8.36	209	Start Mixing Tail Slurry					
08/11/2019	08:21:36	368	6.4	14.15	391	wet and dry sample taken					
08/11/2019	08:21:37	398	6.4	14.15	381	mix fluid @ 7.38 gal/sk					
08/11/2019	08:21:38	395	6.4	14.15	370	good returns					
08/11/2019	09:03:52	5	0.0	9.39	7	End Lead Slurry					
08/11/2019	09:03:53	5	0.0	9.39	7	Reset Total, Vol = 256.45 bbl					
08/11/2019	09:03:54	5	0.0	9.40	7	Drop Top Plug					
08/11/2019	09:03:55	5	0.0	9.41	7	Oilers and fuel checked					
08/11/2019	09:03:57	5	0.0	9.43	7	Start Displacement					
08/11/2019	09:13:35	85	4.5	8.36	96	Good returns					
08/11/2019	09:48:25	1401	0.0	8.37	1394	End Displacement					
08/11/2019	09:48:26	1401	0.0	8.37	1395	Bump Top Plug @1380 psi					
08/11/2019	09:48:27	1401	0.0	8.37	1394	Reset Total, Vol = 191 bbl					

Well HINGLEY 1K-18H-A167 1K-18H-A167	Field	Job Start Aug/11/2019	Customer CRESTONE	Job Number 3023818
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate		Total Slurry 256,0	Mud	Spacer 50.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final 0	Average	Bump Plug to 1380	Breakdown	Type		Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 252,0 bbl		Displacement 291,0 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/> Volume 51.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative RANDY LANTZ				Schlumberger Supervisor LAN PHAM				Circulation Lost <input type="checkbox"/> Job Completed <input checked="" type="checkbox"/>	
								- -	