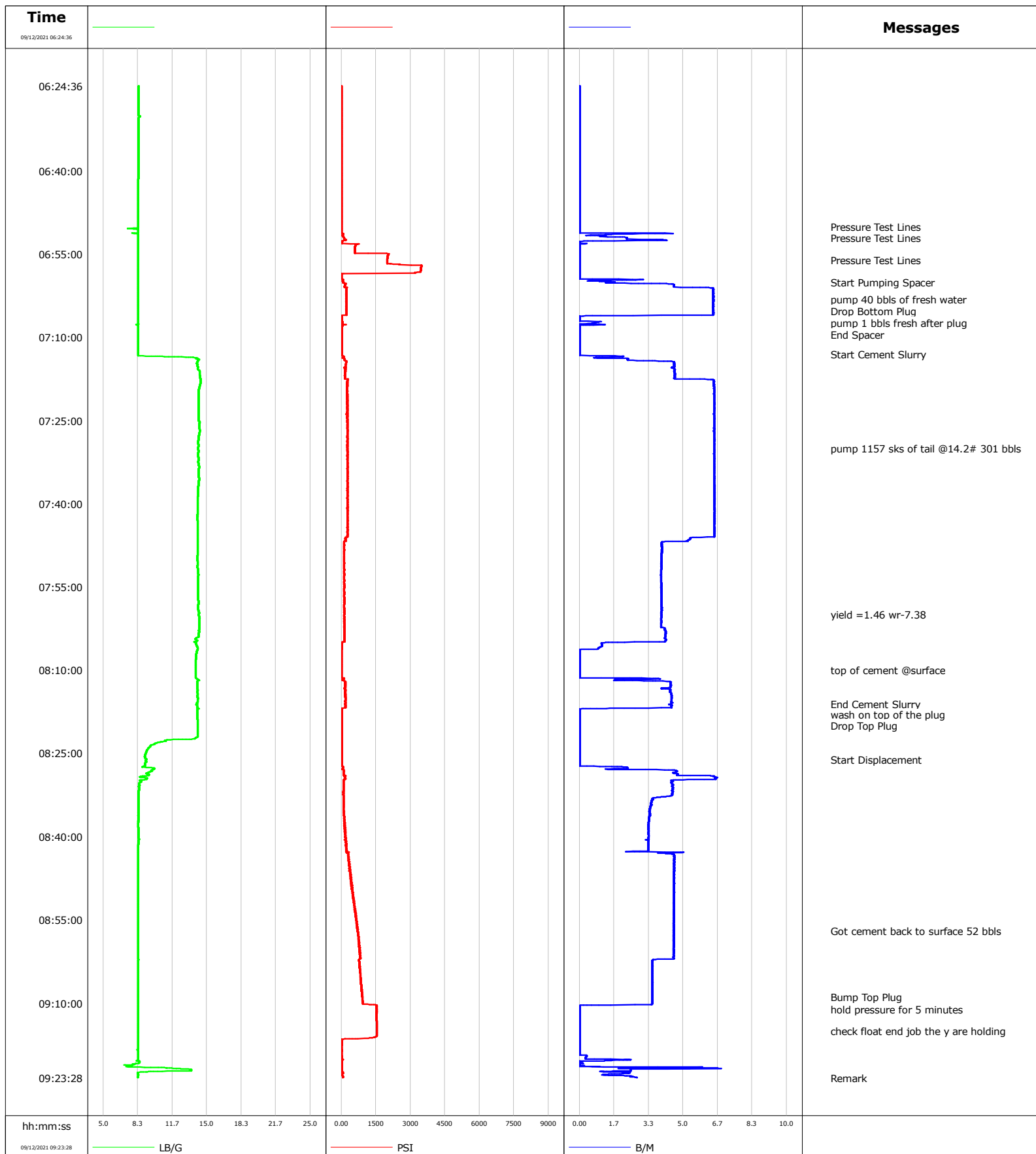


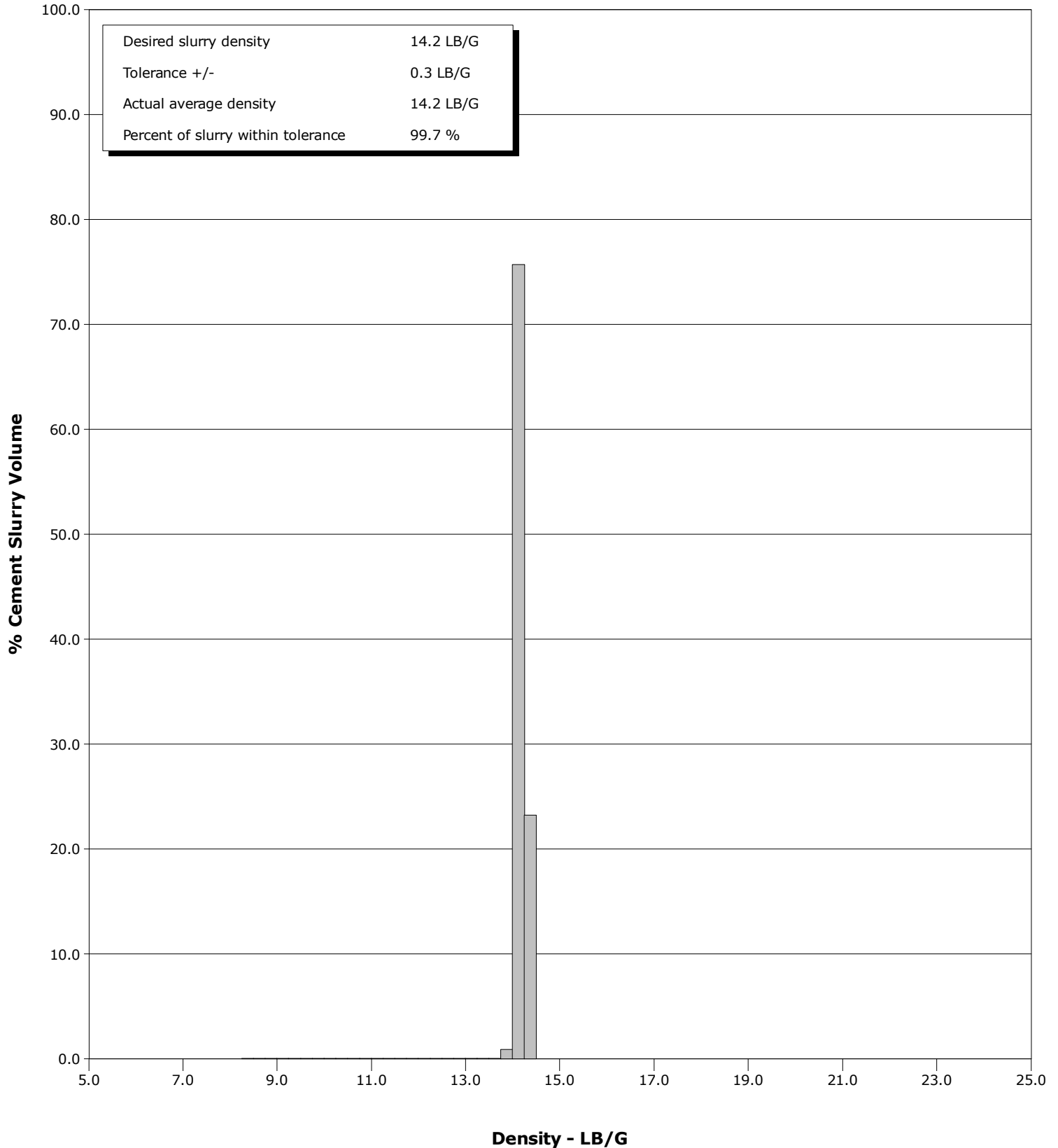
Well	GRANDE	Client	CRESTONE
Field	DJ	SIR No.	3236253
Engineer	ALBERT SNYDER	Job Type	SURFACE
Country	United States	Job Date	09-12-2021



Well GRANDE
Field DJ
Engineer ALBERT SNYDER
Country United States

Client CRESTONE
SIR No. 3236253
Job Type SURFACE
Job Date 09-12-2021

Cement Slurry - 09/12/2021 07:13:00 to 09/12/2021 08:16:00



Cementing Service Report

				Customer CRESTONE			Job Number 3236253			
Well GRANDE 4-65-20-19 4AH			Location (legal) 4-65-20-19 4AH			Schlumberger Location CWY			Job Start Sep/12/2021	
Field DJ		Formation Name/Type		Deviation deg		Bit Size in		Well MD 2321.0 ft		Well TVD ft
County ARAPAHO		State/Province Colorado		BHP psi		BHST 103 degF		BHCT 84 degF		Pore Press. Gradient lb/gal
Well Master 066211170		API/UWI 066211170								
Rig Name E 122		Drilled For Oil & Gas		Service Via Land		Casing/ Liner				
						Depth, ft		Size, in		Weight, lb/ft
Offshore Zone N/A		Well Class New		Well Type Development		80.0		16.0		65.0
						2301.0		9.6		40.0
Drilling Fluid Type LT OBM		Max. Density 8.70 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe				
						T/D		Depth, ft		Size, in
Service Line Cementing		Job Type SURFACE								
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection		Perforations/Open Hole				
						Top, ft		Bottom, ft		shot/ft
						ft		ft		
						ft		ft		
						Treat Down Casing		Displacement 172.0 bbl		Packer Type
						Tubing Vol. bbl		Casing Vol. 174.0 bbl		Annular Vol. 4.0 bbl
										Packer Depth ft
										Openhole Vol. 201.0 bbl
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools		Squeeze Job		
Lift Pressure 750 psi						Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 2301.0 ft		Tool Type		
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type		Tool Depth ft		
Cement Head Type Single						Stage Tool Depth ft		Tail Pipe Size in		
Job Scheduled For Sep/12/2021 05:00		Arrived on Location Sep/12/2021 05:30		Leave Location Sep/12/2021 10:30		Collar Type Float		Tail Pipe Depth ft		
						Collar Depth 2271.0 ft		Sqz. Total Vol. bbl		
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_DOWNHOLE_DENSITY LB/G	Message					
09/12/2021	06:24:36	5	0.0	8.42	Started Acquisition					
09/12/2021	06:50:00	3	0.0	8.39	Pressure Test Lines					
09/12/2021	06:52:00	123	2.3	8.39	Pressure Test Lines					
09/12/2021	06:56:00	1996	0.0	8.39	Pressure Test Lines					
09/12/2021	07:00:00	89	1.7	8.39	Start Pumping Spacer					
09/12/2021	07:03:00	212	6.4	8.39	pump 40 bbls of fresh water					
09/12/2021	07:04:00	216	6.5	8.39	Drop Bottom Plug					
09/12/2021	07:06:00	77	4.0	8.39	pump 1 bbls fresh after plug					
09/12/2021	07:07:00	30	0.0	8.39	End Spacer					
09/12/2021	07:13:00	22	0.0	8.38	Start Cement Slurry					
09/12/2021	07:30:00	281	6.5	14.15	pump 1157 sks of tail @14.2# 301 bbls					
09/12/2021	08:00:00	126	3.9	14.23	yield =1.46 wr-7.38					
09/12/2021	08:10:00	19	0.0	13.91	top of cement @surface					
09/12/2021	08:16:00	175	4.4	14.04	End Cement Slurry					
09/12/2021	08:18:00	23	0.0	14.08	wash on top of the plug					
09/12/2021	08:20:00	24	0.0	14.10	Drop Top Plug					
09/12/2021	08:57:00	706	4.6	8.39	Got cement back to surface 52 bbls					
09/12/2021	09:09:00	910	3.5	8.39	Bump Top Plug					
09/12/2021	09:10:00	932	3.5	8.39	hold pressure for 5 minutes					
09/12/2021	09:15:00	1533	0.0	8.39	check float end job the y are holding					

Well GRANDE 4-65-20-19 4AH	Field DJ	Job Start Sep/12/2021	Customer CRESTONE	Job Number 3236253
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 4.6	N2	Mud	Maximum Rate 6.9		Total Slurry 301.0	Mud 0.0	Spacer 40.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 3491	Final 78	Average 302	Bump Plug to 850	Breakdown	Type FreshWater		Volume 172.0 bbl		Density 8.34 lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 175.0 bbl		Displacement 172.0 bbl		Mix Water Temp 75 degF		Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume 52.0 bbl	
								Washed Thru Perfs		<input type="checkbox"/>	To ft
Customer or Authorized Representative RICCKY/JOHN				Schlumberger Supervisor ALBERT SNYDER				Circulation Lost	<input type="checkbox"/>	Job Completed	<input type="checkbox"/>
								-		-	



Service Order #:	
Date:	Sep/12/2021
Operating Time (hh:mm):	00:00
Client Rep:	RICKEY/JOHN
Schlumberger Engineer:	ALBERT SNYDER
Schlumberger FSM:	

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

4	Evaluation					
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>		0
					Sub-total	0%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: