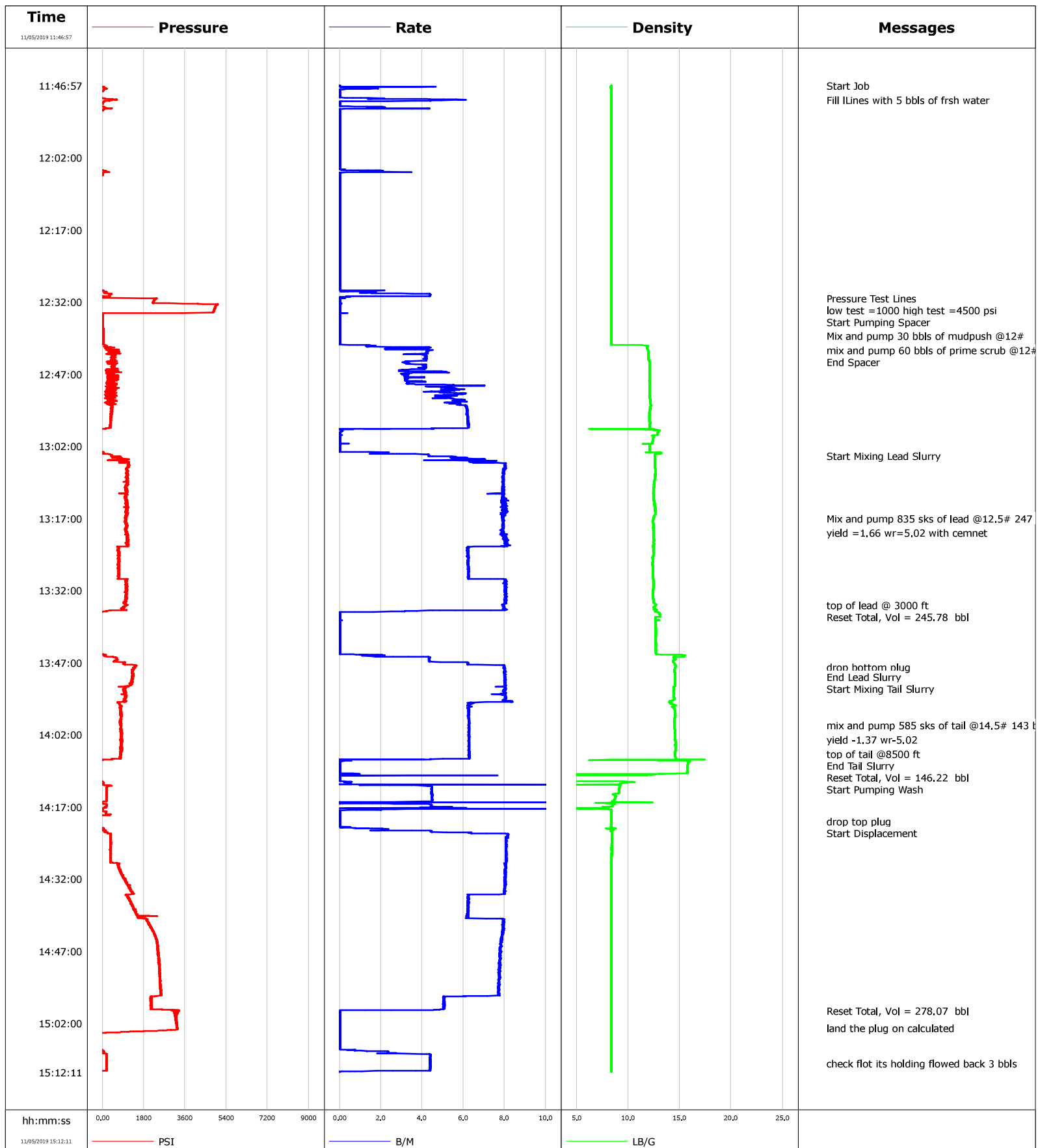


Well HINGLEY
Field DJ
Engineer ALBERT SNYDER
Country United States

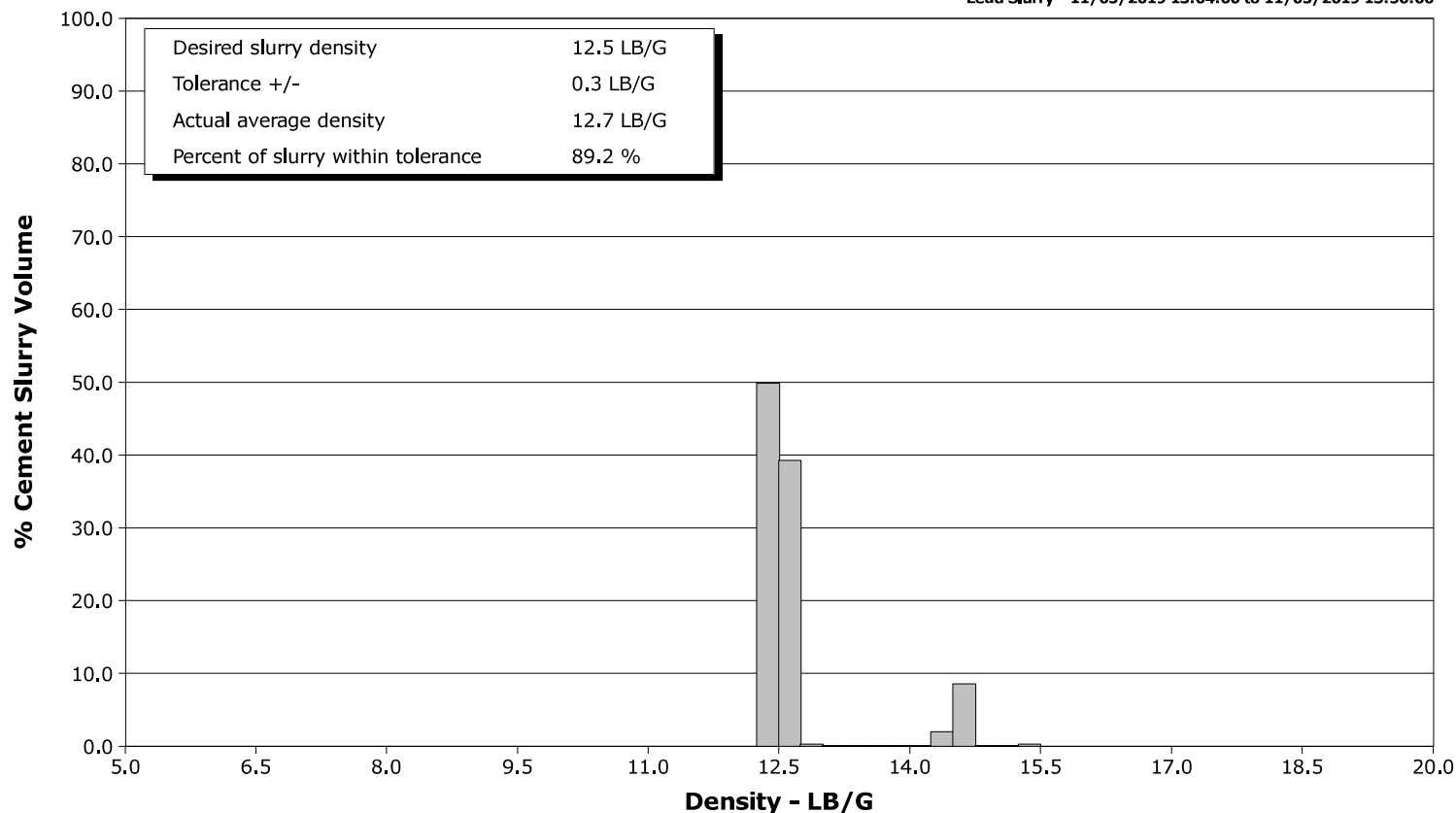
Client CRESTONE PEAKE
SIR No. 3082072
Job Type PRODUCTION
Job Date 11-05-2019



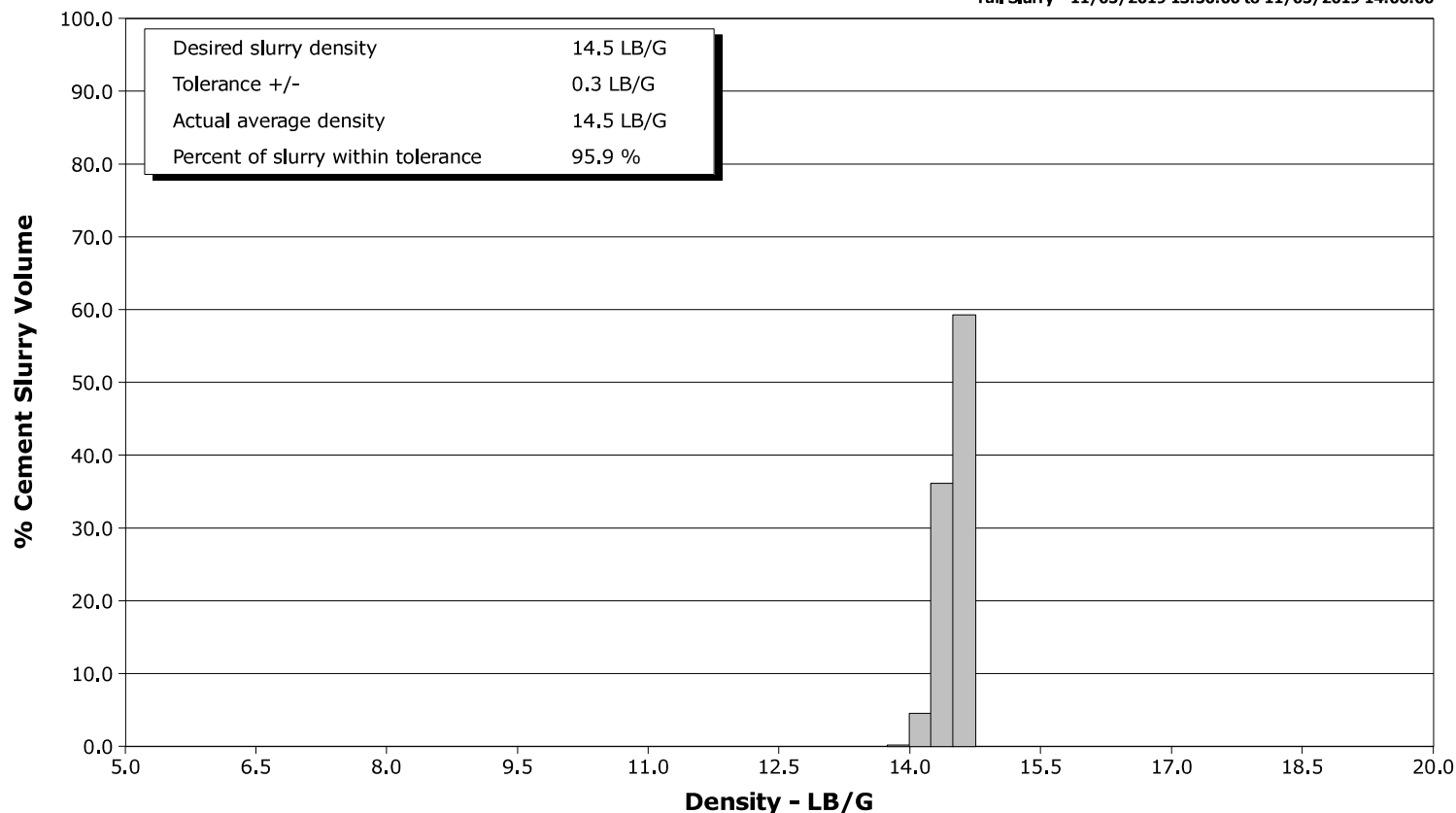
Well HINGLEY
Field DJ
Engineer ALBERT SNYDER
Country United States

Client CRESTONE PEAKE
SIR No. 3082072
Job Type PRODUCTION
Job Date 11-05-2019

Lead Slurry - 11/05/2019 13:04:00 to 11/05/2019 13:50:00



Tail Slurry - 11/05/2019 13:50:00 to 11/05/2019 14:06:00



Cementing Service Report

				Customer CRESTONE PEAKE				Job Number 3082072			
Well HINGLEY 1K-18H-A167			Location (legal) 1K-18H-A167			Schlumberger Location CWY			Job Start Nov/05/2019		
Field DJ		Formation Name/Type		Deviation deg		Bit Size in		Well MD 12372.0 ft		Well TVD 7495.0 ft	
County WELD		State/Province Colorado		BHP psi		BHST 235 degF		BHCT 213 degF		Pore Press. Gradient lb/gal	
Well Master 05-123-47172		API/UWI 05-123-471-72									
Rig Name E 153		Drilled For Oil & Gas		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
										Grade	
										Thread	
Offshore Zone N/A		Well Class New		Well Type Development		2517.0		9.6		40.0	
						12372.0		5.5		20.0	
										110	
										110	
Drilling Fluid Type LT OBM		Max. Density 10.50 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
										Weight, lb/ft	
										Grade	
										Thread	
Service Line Cementing		Job Type 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	
										Diameter in	
						Treat Down Casing		Displacement 274.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 277.0 bbl		Annular Vol. 120.0 bbl	
										Openhole Vol. 402.0 bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>				Casing Tools				Squeeze Job	
Lift Pressure 10397 psi						Shoe Type Guide				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 12372.0 ft				Tool Type	
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth ft	
Cement Head Type Double						Stage Tool Depth ft				Tail Pipe Size in	
Job Scheduled For Nov/05/2019 08:30		Arrived on Location Nov/05/2019 08:00		Leave Location Nov/05/2019 17:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 12339.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
11/05/2019	11:46:57	-17	0.0	8.36	0.0	Started Acquisition					
11/05/2019	11:46:58	-17	0.0	8.36	0.0	Start Job					
11/05/2019	11:48:57	-13	0.0	8.38	1.1						
11/05/2019	11:50:00	621	6.1	8.37	2.5	Fill ILines with 5 bbls of frsh water					
11/05/2019	11:50:57	-3	0.0	8.38	3.7						
11/05/2019	11:52:57	-13	0.0	8.38	4.9						
11/05/2019	11:54:57	-17	0.0	8.38	4.9						
11/05/2019	11:56:57	-18	0.0	8.38	4.9						
11/05/2019	11:58:57	-19	0.0	8.38	4.9						
11/05/2019	12:00:57	-19	0.0	8.38	4.9						
11/05/2019	12:02:57	-19	0.0	8.38	4.9						
11/05/2019	12:04:57	259	2.3	8.38	5.5						
11/05/2019	12:06:57	-19	0.0	8.38	5.8						
11/05/2019	12:08:57	-20	0.0	8.38	5.8						
11/05/2019	12:10:57	-21	0.0	8.38	5.9						
11/05/2019	12:12:57	-21	0.0	8.38	5.9						
11/05/2019	12:14:57	-21	0.0	8.38	5.9						
11/05/2019	12:16:57	-21	0.0	8.38	5.9						
11/05/2019	12:18:57	-22	0.0	8.38	5.9						
11/05/2019	12:20:57	-22	0.0	8.38	5.9						
11/05/2019	12:22:57	-22	0.0	8.38	5.9						

Well			Field	Job Start		Customer		Job Number
HINGLEY 1K-18H-A167			DJ	Nov/05/2019		CRESTONE PEAKE		3082072
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/05/2019	12:26:57	-23	0.0	8.38	5.9			
11/05/2019	12:28:57	-23	0.0	8.38	5.9			
11/05/2019	12:30:57	11	0.3	8.38	9.3			
11/05/2019	12:31:15	2354	0.0	8.38	9.3	Pressure Test Lines		
11/05/2019	12:32:31	5011	0.0	8.38	9.3	low test =1000 high test =4500 psi		
11/05/2019	12:32:57	4919	0.0	8.38	9.3			
11/05/2019	12:34:57	10	0.0	8.38	0.0			
11/05/2019	12:35:00	10	0.0	8.38	0.0	Start Pumping Spacer		
11/05/2019	12:36:57	18	0.0	8.38	0.0			
11/05/2019	12:38:57	30	0.0	8.38	0.0			
11/05/2019	12:39:00	30	0.0	8.38	0.0	Mix and pump 30 bbls of mudpush @12#		
11/05/2019	12:40:57	90	0.9	8.38	0.0			
11/05/2019	12:42:00	231	4.4	11.91	2.7	mix and pump 60 bbls of prime scrub @12# with surfactant		
11/05/2019	12:42:57	538	3.7	11.96	6.6			
11/05/2019	12:43:00	539	4.2	11.97	6.8	End Spacer		
11/05/2019	12:44:57	587	4.1	12.10	14.4			
11/05/2019	12:46:57	349	3.1	12.11	22.4			
11/05/2019	12:48:57	637	3.3	12.09	29.1			
11/05/2019	12:50:57	191	5.7	12.12	39.4			
11/05/2019	12:52:57	189	5.3	12.15	50.5			
11/05/2019	12:54:57	366	6.2	12.08	62.5			
11/05/2019	12:56:57	332	6.2	12.06	75.0			
11/05/2019	12:58:57	-38	0.1	12.95	0.0			
11/05/2019	13:00:57	-39	0.0	12.38	0.1			
11/05/2019	13:02:57	-38	0.0	12.10	0.1			
11/05/2019	13:04:00	399	4.3	12.59	2.5	Start Mixing Lead Slurry		
11/05/2019	13:04:57	726	5.3	12.58	7.9			
11/05/2019	13:06:57	1045	8.0	12.62	23.4			
11/05/2019	13:08:57	1104	8.0	12.57	39.2			
11/05/2019	13:10:57	1028	7.9	12.49	55.1			
11/05/2019	13:12:57	1002	8.0	12.52	70.9			
11/05/2019	13:14:57	1031	8.1	12.62	86.9			
11/05/2019	13:16:57	1062	7.9	12.46	102.8			
11/05/2019	13:17:00	1027	7.9	12.46	103.2	Mix and pump 835 sks of lead @12.5# 247 bbls		
11/05/2019	13:18:57	1018	7.9	12.43	118.7			
11/05/2019	13:20:00	1087	7.9	12.46	127.0	yield =1.66 wr=5.02 with cemnet		
11/05/2019	13:20:57	1092	8.0	12.49	134.6			
11/05/2019	13:22:57	698	6.3	12.43	150.6			
11/05/2019	13:24:57	708	6.2	12.40	163.0			
11/05/2019	13:26:57	679	6.3	12.38	175.5			
11/05/2019	13:28:57	701	6.3	12.41	188.0			
11/05/2019	13:30:57	1079	8.0	12.42	202.8			
11/05/2019	13:32:57	1052	8.0	12.41	218.9			
11/05/2019	13:34:57	982	8.0	12.71	235.0			
11/05/2019	13:35:00	977	7.9	12.69	235.4	top of lead @ 3000 ft		
11/05/2019	13:36:47	-28	0.0	13.03	245.8	Reset Total, Vol = 245.78 bbl		
11/05/2019	13:36:57	-30	0.0	13.08	0.0			
11/05/2019	13:38:57	-23	0.0	12.64	0.0			
11/05/2019	13:40:57	-23	0.0	12.68	0.0			
11/05/2019	13:42:57	-22	0.0	12.66	0.0			
11/05/2019	13:44:57	-22	0.0	12.70	0.0			
11/05/2019	13:46:57	974	6.2	14.40	5.9			
11/05/2019	13:48:00	1455	8.0	14.57	13.3	drop bottom plug		
11/05/2019	13:48:57	1280	8.0	14.52	20.9			

Well			Field		Job Start	Customer	Job Number
HINGLEY 1K-18H-A167			DJ		Nov/05/2019	CRESTONE PEAKE	3082072
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/05/2019	13:50:57	1254	8.0	14.54	36.9		
11/05/2019	13:52:57	949	8.0	14.43	52.9		
11/05/2019	13:54:57	945	7.9	14.27	68.9		
11/05/2019	13:56:57	824	6.3	14.54	82.0		
11/05/2019	13:58:57	785	6.3	14.49	94.6		
11/05/2019	14:00:00	790	6.3	14.49	101.2	mix and pump 585 sks of tail @14.5# 143 bbsl with cemnet	
11/05/2019	14:00:57	788	6.3	14.52	107.2		
11/05/2019	14:02:57	814	6.3	14.56	119.7		
11/05/2019	14:03:00	804	6.3	14.56	120.0	yield -1.37 wr-5.02	
11/05/2019	14:04:57	852	6.3	14.61	132.3		
11/05/2019	14:06:00	779	6.3	14.56	138.9	top of tail @8500 ft	
11/05/2019	14:06:57	807	6.3	14.58	144.8		
11/05/2019	14:07:17	15	0.0	6.21	146.2	Reset Total, Vol = 146.22 bbl	
11/05/2019	14:08:57	-23	0.0	15.74	0.0		
11/05/2019	14:10:57	-23	0.0	0.67	0.4		
11/05/2019	14:11:43	-13	0.0	1.26	0.4	Start Pumping Wash	
11/05/2019	14:12:57	196	4.5	9.20	3.6		
11/05/2019	14:14:57	183	4.5	8.79	12.6		
11/05/2019	14:16:57	158	4.4	8.43	21.0		
11/05/2019	14:18:57	-36	0.0	8.39	0.0		
11/05/2019	14:20:00	-34	0.0	8.39	0.0	drop top plug	
11/05/2019	14:20:57	-34	0.0	8.38	0.0		
11/05/2019	14:22:00	130	4.4	8.38	1.2	Start Displacement	
11/05/2019	14:22:57	353	8.2	8.43	7.2		
11/05/2019	14:24:57	362	8.0	8.40	23.4		
11/05/2019	14:26:57	357	8.1	8.40	39.5		
11/05/2019	14:28:57	667	8.0	8.39	55.7		
11/05/2019	14:30:57	817	8.0	8.39	71.8		
11/05/2019	14:32:57	1080	8.1	8.39	87.8		
11/05/2019	14:34:57	1341	8.0	8.39	103.8		
11/05/2019	14:36:57	1252	6.2	8.38	116.8		
11/05/2019	14:38:57	1444	6.2	8.38	129.3		
11/05/2019	14:40:57	2010	7.9	8.38	142.9		
11/05/2019	14:42:57	2195	7.9	8.38	158.8		
11/05/2019	14:44:57	2363	7.8	8.38	174.6		
11/05/2019	14:46:57	2425	7.8	8.38	190.2		
11/05/2019	14:48:57	2453	7.8	8.38	205.7		
11/05/2019	14:50:57	2461	7.8	8.38	221.3		
11/05/2019	14:52:57	2526	7.7	8.38	236.8		
11/05/2019	14:54:57	2525	7.7	8.38	252.2		
11/05/2019	14:56:57	2129	5.0	8.38	266.1		
11/05/2019	14:58:57	2154	5.0	8.38	276.2		
11/05/2019	14:59:26	3150	0.0	8.38	278.1	Reset Total, Vol = 278.07 bbl	
11/05/2019	15:00:57	3176	0.0	8.38	0.0		
11/05/2019	15:02:57	3251	0.0	8.38	0.0		
11/05/2019	15:03:00	3251	0.0	8.38	0.0	land the plug on calculated	
11/05/2019	15:04:57	-25	0.0	8.38	0.0		
11/05/2019	15:08:57	172	4.4	8.38	4.0		
11/05/2019	15:10:25	166	4.4	8.38	10.4	check flot its holding flowed back 3 bbls	

Well HINGLEY 1K-18H-A167	Field DJ	Job Start Nov/05/2019	Customer CRESTONE PEAKE	Job Number 3082072
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 8,0	N2	Mud 6,0	Maximum Rate 8,0		Total Slurry 390.0	Mud	Spacer 90,0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 2200	Final 3200	Average	Bump Plug to 3200	Breakdown	Type FreshWater		Volume 274.0 bbl		Density 8.34 lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 0,0 bbl		Displacement 274.0 bbl		Mix Water Temp 75 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl	
								Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative RYAN BUFORD				Schlumberger Supervisor ALBERT SNYDER				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
								-		-	