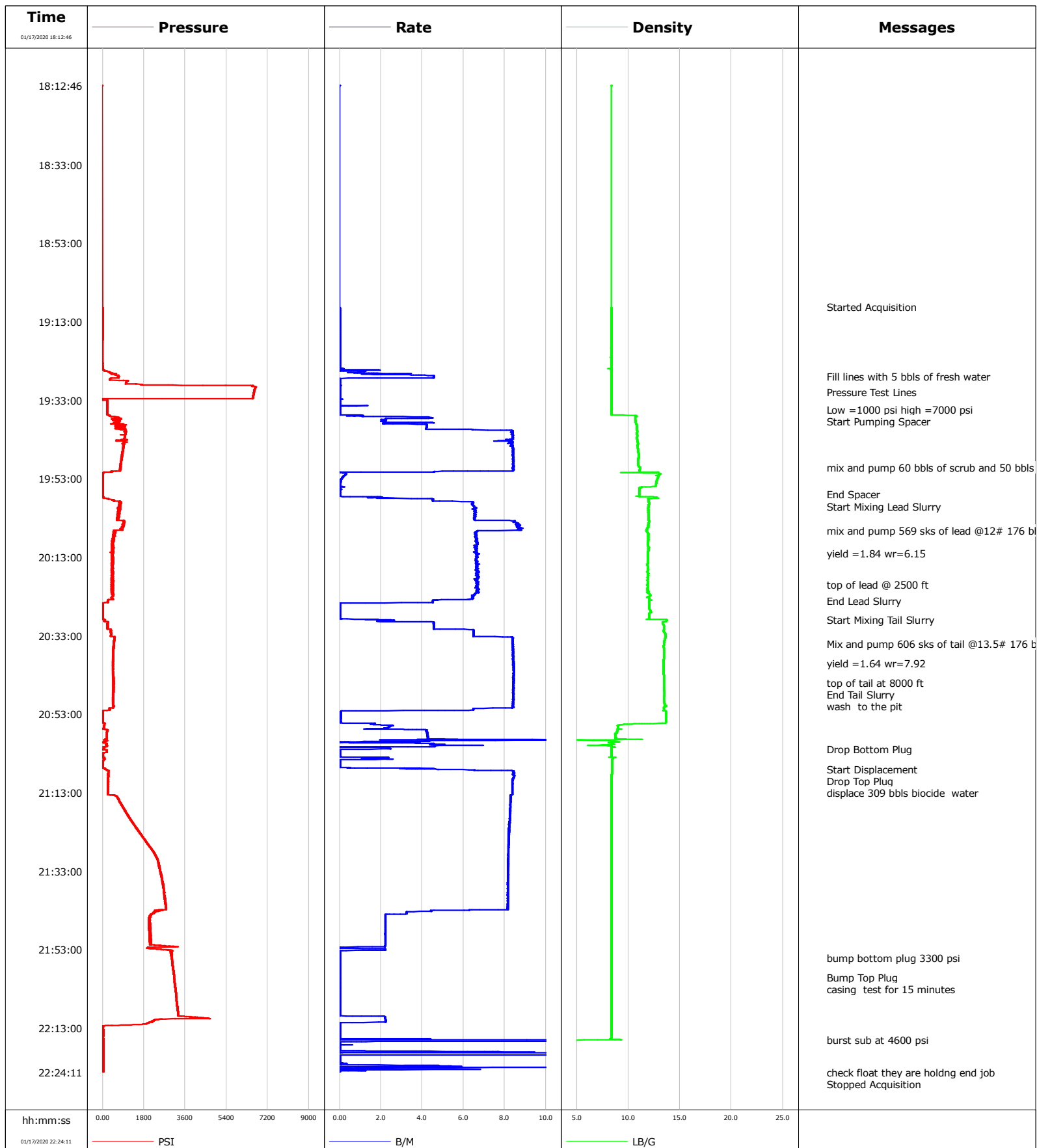


Well WIND SOCK
Field DJ
Engineer ALBERT SNYDER
Country United States

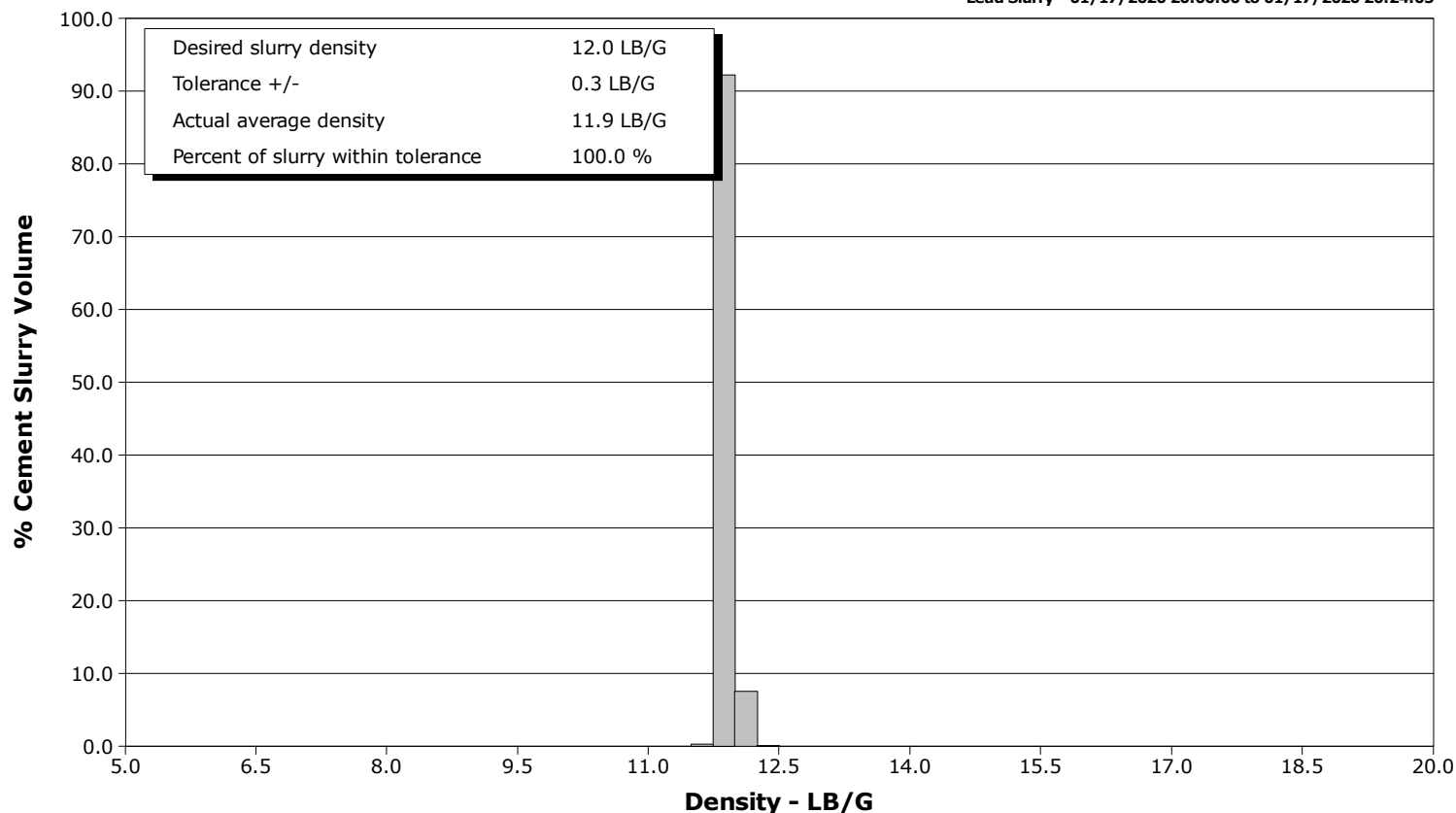
Client ANADARKO
SIR No. 3111742
Job Type PRODUCTION
Job Date 01-17-2020



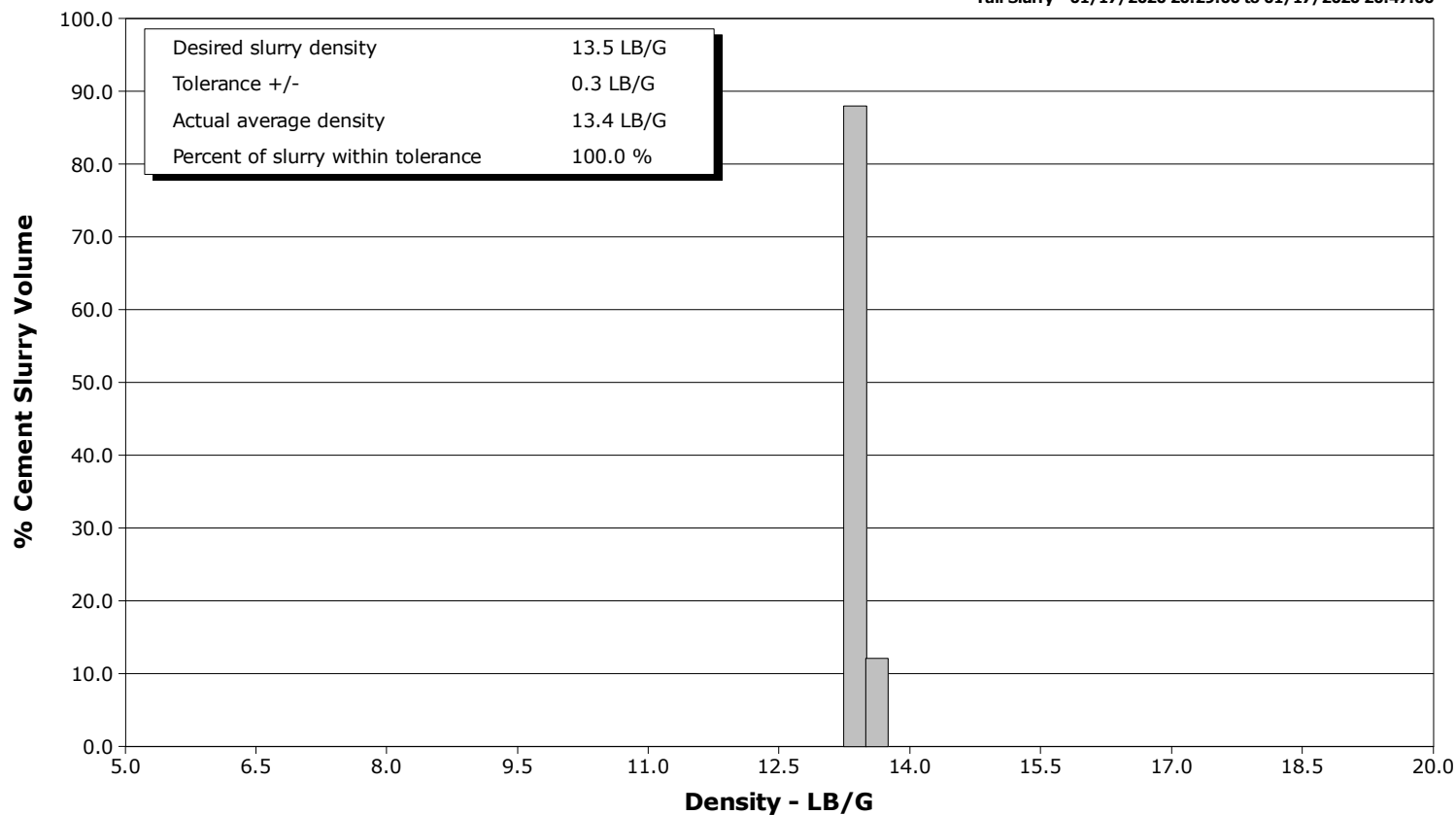
Well WIND SOCK
Field DJ
Engineer ALBERT SNYDER
Country United States

Client ANADARKO
SIR No. 3111742
Job Type PRODUCTION
Job Date 01-17-2020

Lead Slurry - 01/17/2020 20:00:00 to 01/17/2020 20:24:05



Tail Slurry - 01/17/2020 20:29:00 to 01/17/2020 20:47:00



Cementing Service Report

				Customer ANADARKO			Job Number 3111742										
Well WIND SOCK 21-7HZ			Location (legal) 21 7HZ			Schlumberger Location CWY			Job Start Jan/17/2020								
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 13500.0 ft		Well TVD 7760.0 ft						
County WELD		State/Province Colorado			BHP psi		BHST 230 degF		BHCT 230 degF		Pore Press. Gradient lb/gal						
Well Master 05-123-50629		API/UWI 05-123-50629															
Rig Name P 461		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		1894.0		9.6		36.0		110		8RD			
						13510.0		5.5		17.0		110		8RD			
Drilling Fluid Type LT OBM		Max. Density 9.50 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			
Service Instructions						ft		ft						ft			
						ft		ft						Diameter			
						ft		ft						in			
		Treat Down Casing				Displacement 313.6 bbl				Packer Type				Packer Depth ft			
		Tubing Vol. bbl				Casing Vol. 313.6 bbl				Annular Vol. 91.0 bbl				Openhole Vol. 474.0 bbl			
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools				Squeeze Job							
Lift Pressure 9660 psi						Shoe Type Float				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 13500.0 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 Jan/17/2020 16:00		Arrived on Location Jan/17/2020 15:00		Leave Location Jan/17/2020 00:23		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 13492.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message											
01/17/2020	18:12:46	-1	0.0	8.38	0.0												
01/17/2020	19:10:46	0	0.0	8.38	0.0												
01/17/2020	19:12:46	-0	0.0	8.39	0.0												
01/17/2020	19:14:46	0	0.0	8.39	0.0												
01/17/2020	19:16:46	1	0.0	8.38	0.0												
01/17/2020	19:18:46	-2	0.0	8.38	0.0												
01/17/2020	19:20:46	-3	0.0	8.38	0.0												
01/17/2020	19:24:46	2	0.0	8.36	0.0												
01/17/2020	19:26:46	656	4.6	8.39	2.5												
01/17/2020	19:27:00	726	4.6	8.39	3.5	Fill lines with 5 bbls of fresh water											
01/17/2020	19:28:46	1018	0.0	8.39	5.3												
01/17/2020	19:30:46	6602	0.0	8.39	5.3												
01/17/2020	19:31:00	6593	0.0	8.39	5.3	Pressure Test Lines											
01/17/2020	19:32:46	4	0.1	8.39	5.3												
01/17/2020	19:34:46	216	0.0	8.38	0.1												
01/17/2020	19:35:23	214	0.0	8.38	0.1	Low =1000 psi high =7000 psi											
01/17/2020	19:36:41	212	0.0	8.38	0.1	Start Pumping Spacer											
01/17/2020	19:36:46	225	0.1	8.38	0.1												
01/17/2020	19:38:46	634	4.6	10.74	5.1												
01/17/2020	19:40:46	985	8.4	10.85	14.1												
01/17/2020	19:42:46	952	8.4	10.83	30.9												

Well			Field		Job Start	Customer	Job Number
WIND SOCK 21-7HZ			DJ		Jan/17/2020	ANADARKO	3111742
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/17/2020	19:46:46	848	8.4	10.99	64.2		
01/17/2020	19:48:46	814	8.4	10.97	81.1		
01/17/2020	19:50:00	780	8.4	11.08	91.4	mix and pump 60 bbls of scrub and 50 bbls of mud push @	
01/17/2020	19:50:46	750	8.4	11.08	97.9		
01/17/2020	19:52:46	13	0.1	12.84	0.2		
01/17/2020	19:54:46	11	0.0	12.68	0.3		
01/17/2020	19:56:46	10	0.0	11.04	0.3		
01/17/2020	19:57:00	11	0.0	11.04	0.3	End Spacer	
01/17/2020	19:58:46	796	5.5	11.96	4.5		
01/17/2020	20:00:00	746	6.5	11.97	12.4	Start Mixing Lead Slurry	
01/17/2020	20:00:46	657	6.6	11.94	17.4		
01/17/2020	20:02:46	696	6.5	11.96	30.5		
01/17/2020	20:04:46	907	8.6	11.94	45.8		
01/17/2020	20:06:09	704	8.7	11.78	57.8	mix and pump 569 sks of lead @12# 176 bbls	
01/17/2020	20:06:46	556	6.6	11.91	62.0		
01/17/2020	20:08:46	445	6.6	11.92	75.3		
01/17/2020	20:10:46	439	6.7	11.93	88.5		
01/17/2020	20:12:00	475	6.6	11.89	96.7	yield =1.84 wr=6.15	
01/17/2020	20:12:46	461	6.6	11.89	101.8		
01/17/2020	20:14:46	453	6.7	11.83	115.1		
01/17/2020	20:16:46	400	6.7	11.83	128.4		
01/17/2020	20:18:46	386	6.6	11.85	141.7		
01/17/2020	20:20:00	445	6.7	11.87	149.9	top of lead @ 2500 ft	
01/17/2020	20:20:46	453	6.6	11.90	155.0		
01/17/2020	20:22:46	468	6.5	12.14	168.3		
01/17/2020	20:24:05	236	4.5	12.01	176.3	End Lead Slurry	
01/17/2020	20:24:46	11	0.0	12.01	0.1		
01/17/2020	20:26:46	13	0.0	12.16	0.1		
01/17/2020	20:28:46	88	0.7	11.79	0.1		
01/17/2020	20:29:00	103	2.5	13.73	0.5	Start Mixing Tail Slurry	
01/17/2020	20:30:46	219	4.6	13.44	7.5		
01/17/2020	20:34:46	500	8.4	13.46	35.0		
01/17/2020	20:35:00	480	8.4	13.45	37.0	Mix and pump 606 sks of tail @13.5# 176 bbls	
01/17/2020	20:36:46	473	8.4	13.43	51.8		
01/17/2020	20:38:46	457	8.4	13.43	68.6		
01/17/2020	20:40:00	449	8.4	13.41	78.9	yield =1.64 wr=7.92	
01/17/2020	20:40:46	455	8.4	13.40	85.5		
01/17/2020	20:42:46	459	8.4	13.40	102.3		
01/17/2020	20:44:46	488	8.4	13.43	119.2		
01/17/2020	20:45:00	482	8.4	13.43	121.1	top of tail at 8000 ft	
01/17/2020	20:46:46	476	8.4	13.46	136.0		
01/17/2020	20:47:00	486	8.4	13.47	138.0	End Tail Slurry	
01/17/2020	20:48:46	456	8.4	13.44	152.8		
01/17/2020	20:50:00	463	8.4	13.49	163.2	wash to the pit	
01/17/2020	20:50:46	470	8.4	13.60	169.6		
01/17/2020	20:52:46	13	0.1	13.63	0.0		
01/17/2020	20:54:46	16	0.0	13.64	0.1		
01/17/2020	20:56:46	31	1.6	9.39	3.3		
01/17/2020	20:58:46	183	4.3	8.76	11.5		
01/17/2020	21:00:46	173	4.6	8.38	19.3		
01/17/2020	21:02:00	14	0.0	8.37	23.2	Drop Bottom Plug	
01/17/2020	21:02:46	75	0.0	8.38	23.2		
01/17/2020	21:04:46	31	0.0	8.43	1.3		
01/17/2020	21:06:46	110	3.9	8.43	1.4		

Well			Field	Job Start		Customer		Job Number
WIND SOCK 21-7HZ			DJ	Jan/17/2020		ANADARKO		3111742
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/17/2020	21:08:46	248	8.4	8.38	16.2			
01/17/2020	21:09:00	239	8.4	8.39	18.2	Drop Top Plug		
01/17/2020	21:10:44	233	8.4	8.38	32.7	displace 309 bbls biocide water		
01/17/2020	21:10:46	234	8.4	8.38	33.0			
01/17/2020	21:12:46	238	8.4	8.38	49.7			
01/17/2020	21:14:46	684	8.3	8.38	66.4			
01/17/2020	21:16:46	894	8.3	8.38	82.9			
01/17/2020	21:18:46	1106	8.2	8.38	99.4			
01/17/2020	21:20:46	1333	8.2	8.37	115.9			
01/17/2020	21:22:46	1566	8.2	8.37	132.3			
01/17/2020	21:24:46	1818	8.2	8.37	148.7			
01/17/2020	21:26:46	2055	8.2	8.37	165.1			
01/17/2020	21:28:46	2296	8.2	8.37	181.4			
01/17/2020	21:30:46	2439	8.2	8.37	197.8			
01/17/2020	21:32:46	2507	8.2	8.37	214.1			
01/17/2020	21:34:46	2574	8.1	8.37	230.4			
01/17/2020	21:36:46	2648	8.2	8.37	246.7			
01/17/2020	21:38:46	2678	8.1	8.37	263.0			
01/17/2020	21:40:46	2724	8.1	8.37	279.3			
01/17/2020	21:42:46	2764	8.1	8.37	295.4			
01/17/2020	21:44:46	2033	2.2	8.37	302.5			
01/17/2020	21:46:46	2081	2.2	8.37	306.9			
01/17/2020	21:48:46	2043	2.2	8.37	311.3			
01/17/2020	21:50:46	2101	2.2	8.37	315.8			
01/17/2020	21:52:46	2219	2.1	8.37	319.3			
01/17/2020	21:54:46	2996	0.0	8.37	320.3			
01/17/2020	21:55:00	3009	0.0	8.37	320.3	bump bottom plug 3300 psi		
01/17/2020	21:56:46	3046	0.0	8.38	320.3			
01/17/2020	21:58:46	3089	0.0	8.38	320.3			
01/17/2020	22:00:00	3115	0.0	8.38	320.3	Bump Top Plug		
01/17/2020	22:00:46	3129	0.0	8.38	320.3			
01/17/2020	22:01:00	3134	0.0	8.38	320.3	casing test for 15 minutes		
01/17/2020	22:02:46	3167	0.0	8.38	320.3			
01/17/2020	22:04:46	3204	0.0	8.38	320.3			
01/17/2020	22:06:46	3240	0.0	8.38	320.3			
01/17/2020	22:08:46	3275	0.0	8.38	320.3			
01/17/2020	22:10:46	2405	2.2	8.38	0.4			
01/17/2020	22:12:46	12	0.0	8.38	2.1			
01/17/2020	22:14:46	31	0.0	8.38	2.1			
01/17/2020	22:16:00	36	23.3	7.05	2.9	burst sub at 4600 psi		
01/17/2020	22:16:46	34	0.0	0.11	10.7			
01/17/2020	22:18:46	35	1.1	0.12	10.7			
01/17/2020	22:20:46	34	0.0	0.11	26.1			
01/17/2020	22:22:46	34	4.6	0.10	27.6			

Well WIND SOCK 21-7HZ	Field DJ	Job Start Jan/17/2020	Customer ANADARKO	Job Number 3111742
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.2	N2	Mud	Maximum Rate 25.0	Total Slurry 352.0	Mud 0.0	Spacer 110.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 6688	Final 0	Average 1101	Bump Plug to 3300	Breakdown	Type FreshWater	Volume 313.0 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 313.0 bbl	Displacement 313.0 bbl	Mix Water Temp 78 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative JOE WELLAM			Schlumberger Supervisor ALBERT SNYDER			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	