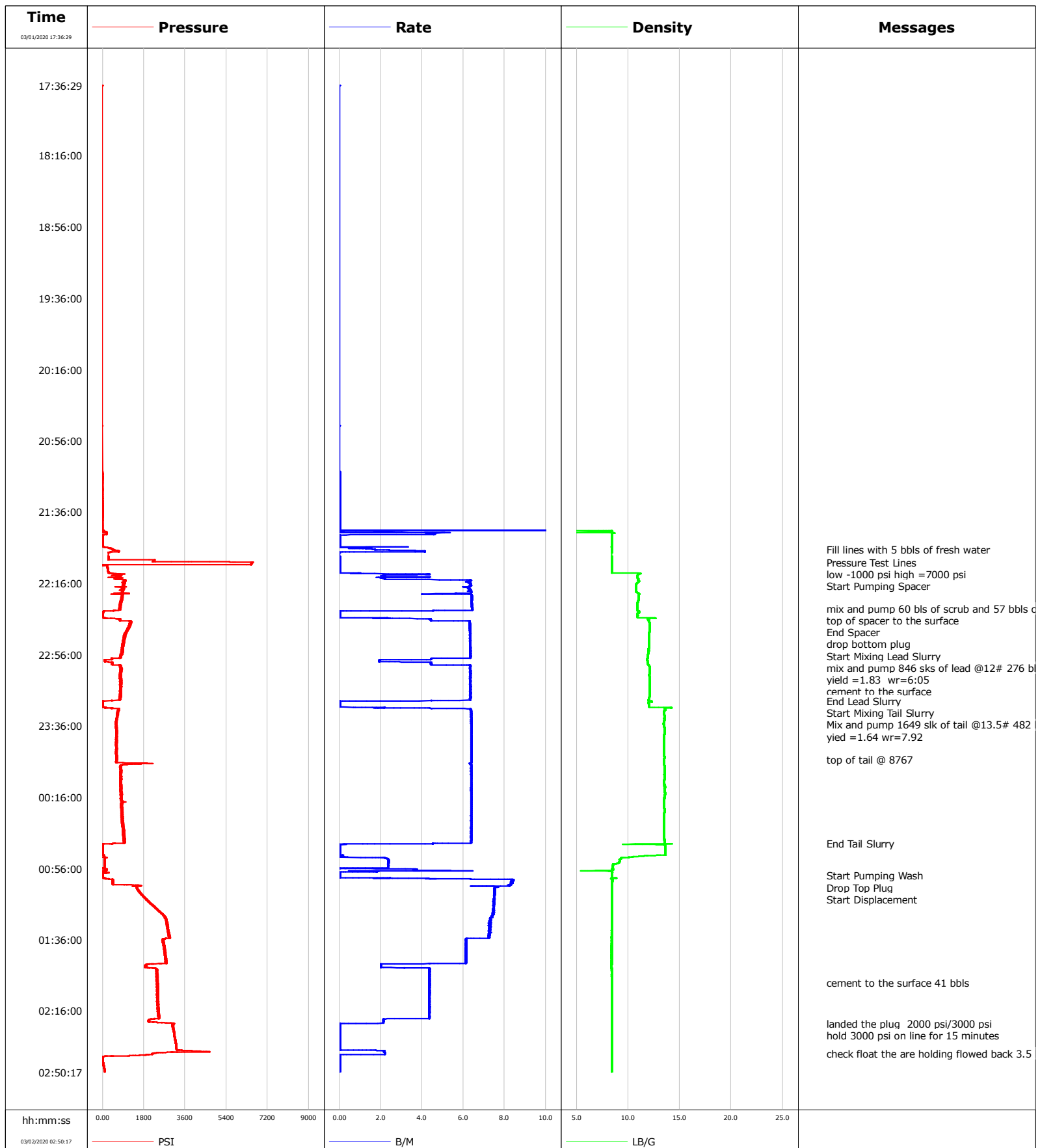


Well FOLLEY
Field DG
Engineer ALBERT SNYDER
Country United States

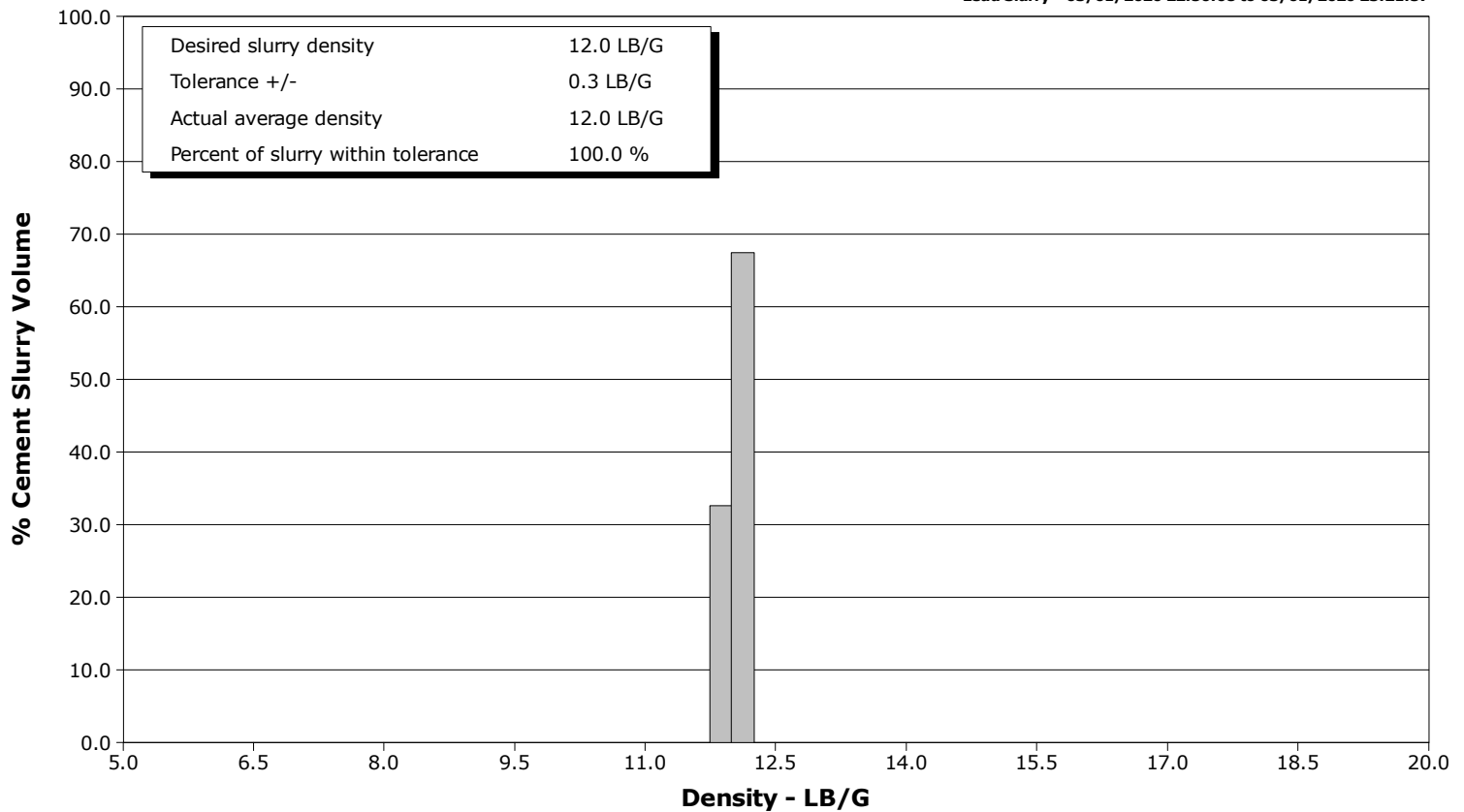
Client ANADARKO
SIR No. 3129646
Job Type PRODUCTION
Job Date 03-01-2020



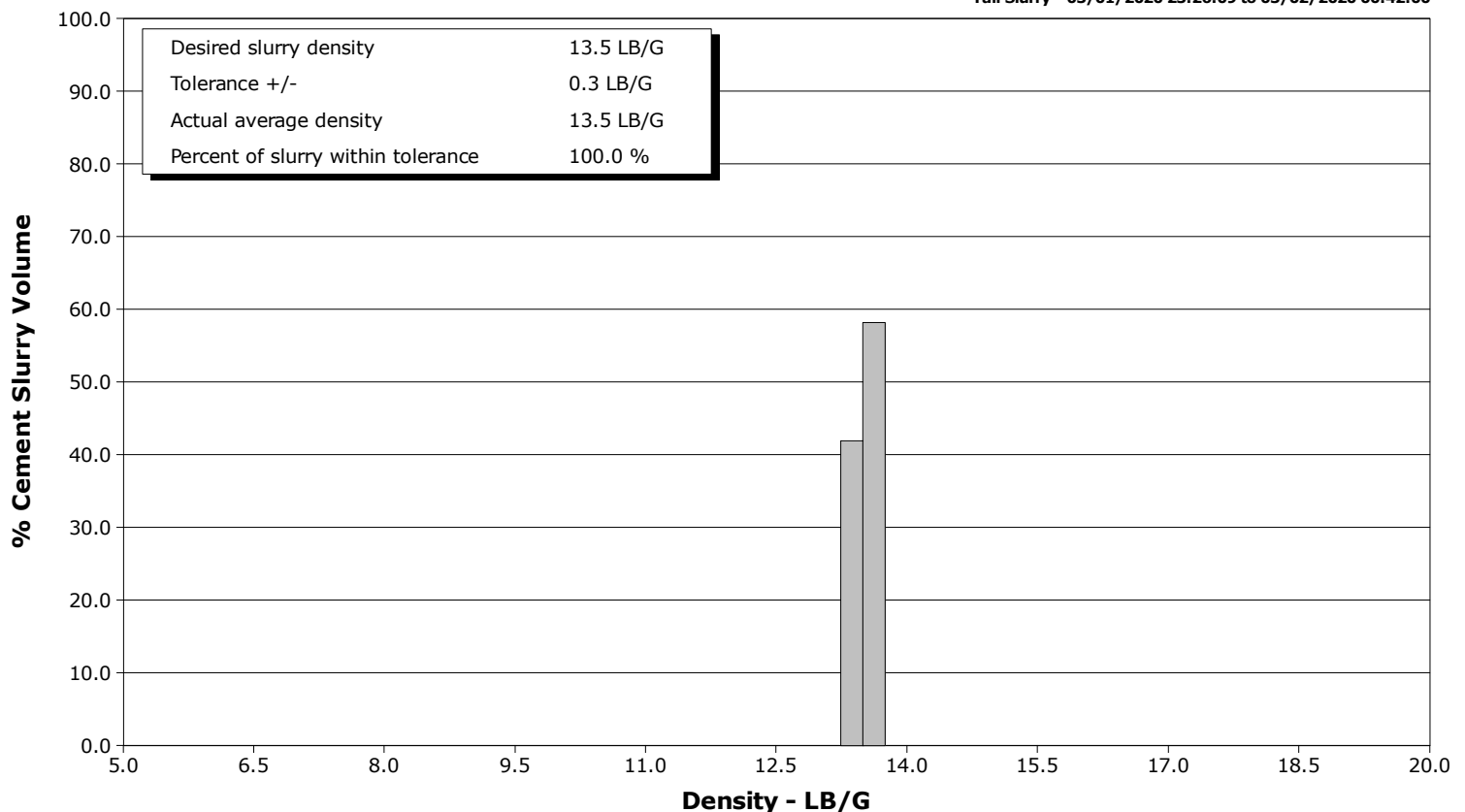
Well FOLLEY
Field DG
Engineer ALBERT SNYDER
Country United States

Client ANADARKO
SIR No. 3129646
Job Type PRODUCTION
Job Date 03-01-2020

Lead Slurry - 03/01/2020 22:50:08 to 03/01/2020 23:21:57



Tail Slurry - 03/01/2020 23:26:09 to 03/02/2020 00:42:00



				Customer ANADARKO			Job Number 3129646	
Well FOLLEY 13-8HZ			Location (legal) 13-8HZ		Schlumberger Location CWY		Job Start Mar/01/2020	
Field DG		Formation Name/Type		Deviation deg	Bit Size in	Well MD 20364.0 ft		Well TVD 6804.0 ft
County WELD		State/Province Colorado		BHP psi	BHST 230 degF	BHCT 230 degF	Pore Press. Gradient lb/gal	
Well Master 065960195		API/UWI 05-069-06526						
Rig Name P564	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	1903.0	9.6	36.0	110	8RD
	20119.0	5.5	17.0	110	8RD			
Drilling Fluid Type LT OBM		Max. Density 9.40 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			
Service Instructions	ft	ft						
	ft	ft			Diameter in			
	ft	ft						
	Treat Down Casing		Displacement 466.4 bbl		Packer Type		Packer Depth ft	
	Tubing Vol. bbl		Casing Vol. 467.7 bbl		Annular Vol. 91.0 bbl		Openhole Vol. 753.0 bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure 14296 psi				Shoe Type Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 20119.0 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 Mar/01/2020 01:00		Arrived on Location Mar/01/2020 00:30		Leave Location Mar/02/2020 06:00		Collar Type Float		Tail Pipe Depth ft
						Collar Depth 20104.0 ft		Sqz. Total Vol. bbl
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/01/2020	17:36:29	-0	0.0	0.01	0.0	Started Acquisition		
03/01/2020	21:14:29	-0	0.0	0.01	0.0			
03/01/2020	21:16:29	-1	0.0	0.01	0.0			
03/01/2020	21:18:29	-1	0.0	0.01	0.0			
03/01/2020	21:20:29	-1	0.0	0.01	0.0			
03/01/2020	21:22:29	-1	0.0	0.01	0.0			
03/01/2020	21:24:29	-1	0.0	0.01	0.0			
03/01/2020	21:26:29	-1	0.0	0.01	0.0			
03/01/2020	21:28:29	-0	0.0	0.01	0.0			
03/01/2020	21:30:29	0	0.0	0.01	0.0			
03/01/2020	21:32:29	0	0.0	0.01	0.0			
03/01/2020	21:34:29	0	0.0	0.01	0.0			
03/01/2020	21:36:29	-1	0.0	0.01	0.0			
03/01/2020	21:38:29	-0	0.0	0.01	0.0			
03/01/2020	21:40:29	-0	0.0	0.01	0.0			
03/01/2020	21:42:29	-1	0.0	0.01	0.0			
03/01/2020	21:44:29	-1	0.0	0.01	0.0			
03/01/2020	21:46:29	47	2.6	8.37	0.0			
03/01/2020	21:48:29	160	4.6	8.42	0.0			
03/01/2020	21:50:29	7	0.0	8.42	0.0			
03/01/2020	21:52:29	5	0.0	8.42	0.0			

Well			Field	Job Start		Customer	Job Number
FOLLEY 13-8HZ			DG	Mar/01/2020		ANADARKO	3129646
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/01/2020	21:56:29	373	1.3	8.41	1.1		
03/01/2020	21:57:00	453	1.7	8.41	1.9	Fill lines with 5 bbls of fresh water	
03/01/2020	21:58:29	319	0.0	8.42	6.4		
03/01/2020	22:02:29	250	0.0	8.41	6.4		
03/01/2020	22:04:00	5571	0.0	8.41	6.4	Pressure Test Lines	
03/01/2020	22:04:29	6515	0.0	8.41	6.4		
03/01/2020	22:06:29	205	0.0	8.41	0.0		
03/01/2020	22:08:29	228	0.0	8.41	0.0		
03/01/2020	22:10:00	241	0.0	8.41	0.0	Start Pumping Spacer	
03/01/2020	22:10:29	295	0.9	11.19	0.3		
03/01/2020	22:12:29	763	4.4	10.91	5.6		
03/01/2020	22:16:29	906	6.3	10.78	25.3		
03/01/2020	22:18:29	931	6.3	10.77	37.9		
03/01/2020	22:20:29	865	6.4	10.76	50.5		
03/01/2020	22:22:29	899	6.4	11.03	62.6		
03/01/2020	22:24:29	862	6.4	10.99	75.5		
03/01/2020	22:26:29	796	6.4	10.94	88.3		
03/01/2020	22:28:29	789	6.4	10.85	101.1		
03/01/2020	22:30:00	779	6.4	10.87	110.8	mix and pump 60 bls of scrub and 57 bbls of mudpush	
03/01/2020	22:30:29	783	6.4	10.89	113.9		
03/01/2020	22:31:00	779	6.4	10.90	117.3	top of spacer to the surface	
03/01/2020	22:32:00	25	0.0	11.05	0.0	End Spacer	
03/01/2020	22:32:29	21	0.0	11.04	0.0		
03/01/2020	22:34:29	17	0.0	10.91	0.0		
03/01/2020	22:36:29	766	4.4	11.95	4.0		
03/01/2020	22:38:29	1238	6.3	12.05	15.7		
03/01/2020	22:40:00	1184	6.3	12.08	25.3	drop bottom plug	
03/01/2020	22:40:29	1165	6.3	12.09	28.3		
03/01/2020	22:42:29	1083	6.3	12.05	41.0		
03/01/2020	22:44:29	997	6.3	12.01	53.6		
03/01/2020	22:46:29	954	6.3	12.01	66.3		
03/01/2020	22:48:29	952	6.3	12.02	78.9		
03/01/2020	22:50:08	897	6.3	12.01	89.4	Start Mixing Lead Slurry	
03/01/2020	22:50:11	912	6.3	12.01	89.7	mix and pump 846 sks of lead @12# 276 bbls	
03/01/2020	22:50:12	867	6.3	12.01	89.8	cement to the surface	
03/01/2020	22:50:29	900	6.3	12.01	91.6		
03/01/2020	22:52:29	847	6.3	11.99	104.3		
03/01/2020	22:54:29	842	6.3	11.98	116.8		
03/01/2020	22:56:29	844	6.3	11.91	129.6		
03/01/2020	22:58:29	413	4.4	11.83	141.5		
03/01/2020	23:00:29	406	4.4	11.89	147.1		
03/01/2020	23:02:29	764	6.3	12.04	157.2		
03/01/2020	23:04:29	811	6.3	12.10	169.9		
03/01/2020	23:06:29	777	6.3	12.06	182.6		
03/01/2020	23:08:29	835	6.3	12.04	195.2		
03/01/2020	23:10:29	825	6.3	12.08	207.9		
03/01/2020	23:12:29	831	6.3	12.08	220.6		
03/01/2020	23:14:29	779	6.3	12.08	233.2		
03/01/2020	23:16:29	753	6.3	12.04	245.9		
03/01/2020	23:18:29	779	6.3	12.07	258.6		
03/01/2020	23:20:29	754	6.3	12.03	271.3		
03/01/2020	23:21:57	47	3.0	11.97	280.1	End Lead Slurry	
03/01/2020	23:22:29	13	0.0	12.29	0.0		
03/01/2020	23:24:29	13	0.0	12.01	0.0		

Well			Field		Job Start		Customer		Job Number	
FOLLEY 13-8HZ			DG		Mar/01/2020		ANADARKO		3129646	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
03/01/2020	23:26:29	688		6.3	13.56		3.4			
03/01/2020	23:28:29	629		6.4	13.46		16.1			
03/01/2020	23:30:00	640		6.4	13.52		25.8	Mix and pump 1649 slk of tail @13.5# 482 bbls		
03/01/2020	23:30:29	639		6.4	13.54		28.9			
03/01/2020	23:32:29	640		6.4	13.52		41.6			
03/01/2020	23:34:29	595		6.4	13.44		54.4			
03/01/2020	23:36:29	594		6.4	13.49		67.2			
03/01/2020	23:38:29	599		6.4	13.53		79.9			
03/01/2020	23:40:00	603		6.4	13.53		89.6	yied =1.64 wr=7.92		
03/01/2020	23:40:29	589		6.4	13.53		92.7			
03/01/2020	23:42:29	608		6.4	13.51		105.4			
03/01/2020	23:44:29	620		6.4	13.49		118.2			
03/01/2020	23:46:29	617		6.4	13.48		131.0			
03/01/2020	23:50:29	579		6.4	13.44		156.5			
03/01/2020	23:52:29	593		6.4	13.49		169.3			
03/01/2020	23:54:29	635		6.4	13.51		182.1			
03/01/2020	23:55:00	613		6.4	13.50		185.3	top of tail @ 8767		
03/01/2020	23:56:29	629		6.4	13.49		194.8			
03/01/2020	23:58:29	794		6.4	13.53		207.5			
03/02/2020	00:00:29	792		6.4	13.55		220.3			
03/02/2020	00:02:29	787		6.4	13.56		233.0			
03/02/2020	00:04:29	774		6.4	13.54		245.8			
03/02/2020	00:06:29	826		6.4	13.51		258.5			
03/02/2020	00:08:29	835		6.4	13.47		271.3			
03/02/2020	00:10:29	798		6.4	13.56		284.0			
03/02/2020	00:12:29	783		6.4	13.54		296.8			
03/02/2020	00:14:29	822		6.4	13.58		309.5			
03/02/2020	00:16:29	814		6.4	13.52		322.3			
03/02/2020	00:18:29	854		6.4	13.49		335.0			
03/02/2020	00:20:29	837		6.4	13.51		347.8			
03/02/2020	00:22:29	848		6.4	13.52		360.5			
03/02/2020	00:24:29	829		6.4	13.52		373.3			
03/02/2020	00:26:29	828		6.4	13.50		386.0			
03/02/2020	00:28:29	866		6.4	13.50		398.7			
03/02/2020	00:30:29	914		6.4	13.46		411.5			
03/02/2020	00:32:29	886		6.4	13.46		424.3			
03/02/2020	00:34:29	904		6.4	13.48		437.0			
03/02/2020	00:36:29	910		6.4	13.46		449.7			
03/02/2020	00:38:29	923		6.4	13.47		462.5			
03/02/2020	00:40:29	956		6.4	13.53		475.2			
03/02/2020	00:42:00	509		4.5	13.54		484.7	End Tail Slurry		
03/02/2020	00:42:29	12		0.0	13.30		486.0			
03/02/2020	00:44:29	17		0.0	13.59		486.0			
03/02/2020	00:46:29	17		0.0	13.60		486.0			
03/02/2020	00:48:29	49		0.0	13.61		0.0			
03/02/2020	00:50:29	78		2.3	9.27		1.6			
03/02/2020	00:52:29	74		2.4	9.14		6.3			
03/02/2020	00:54:29	77		2.4	8.53		11.0			
03/02/2020	00:56:29	190		3.7	8.57		15.2			
03/02/2020	00:58:29	190		0.0	8.41		20.1			
03/02/2020	01:00:00	7		0.0	8.41		20.1	Start Pumping Wash		
03/02/2020	01:00:29	6		0.0	8.41		20.1			
03/02/2020	01:02:29	452		8.4	8.45		6.6			
03/02/2020	01:04:29	475		8.3	8.44		23.3			

Well			Field	Job Start		Customer	Job Number
FOLLEY 13-8HZ			DG	Mar/01/2020		ANADARKO	3129646
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/02/2020	01:06:49	1499	7.5	8.40	41.8	Drop Top Plug	
03/02/2020	01:07:10	1501	7.5	8.41	44.4	Start Displacement	
03/02/2020	01:08:29	1575	7.5	8.40	54.3		
03/02/2020	01:10:29	1688	7.5	8.40	69.3		
03/02/2020	01:12:29	1817	7.5	8.40	84.3		
03/02/2020	01:14:29	2002	7.5	8.40	99.3		
03/02/2020	01:16:29	2179	7.5	8.40	114.3		
03/02/2020	01:18:29	2346	7.5	8.40	129.2		
03/02/2020	01:20:29	2521	7.5	8.40	144.1		
03/02/2020	01:22:29	2654	7.4	8.40	159.0		
03/02/2020	01:24:29	2775	7.3	8.40	173.7		
03/02/2020	01:26:29	2811	7.3	8.40	188.2		
03/02/2020	01:28:29	2829	7.3	8.40	202.9		
03/02/2020	01:30:29	2846	7.3	8.40	217.4		
03/02/2020	01:32:29	2881	7.2	8.40	232.0		
03/02/2020	01:34:29	2921	7.2	8.40	246.5		
03/02/2020	01:36:29	2641	6.1	8.40	259.6		
03/02/2020	01:38:29	2677	6.1	8.40	271.9		
03/02/2020	01:40:29	2696	6.1	8.40	284.2		
03/02/2020	01:42:29	2702	6.1	8.40	296.4		
03/02/2020	01:44:29	2768	6.1	8.40	308.7		
03/02/2020	01:46:29	2763	6.1	8.40	320.9		
03/02/2020	01:48:29	2806	6.1	8.40	333.2		
03/02/2020	01:50:29	1887	2.0	8.40	341.2		
03/02/2020	01:52:29	2341	4.4	8.40	346.8		
03/02/2020	01:54:29	2363	4.4	8.40	355.5		
03/02/2020	01:56:29	2368	4.3	8.40	364.2		
03/02/2020	01:58:29	2372	4.4	8.40	372.9		
03/02/2020	02:00:00	2430	4.4	8.40	379.5	cement to the surface 41 bbls	
03/02/2020	02:00:29	2433	4.4	8.40	381.6		
03/02/2020	02:02:29	2394	4.4	8.40	390.3		
03/02/2020	02:04:29	2424	4.4	8.40	399.0		
03/02/2020	02:06:29	2421	4.4	8.40	407.7		
03/02/2020	02:08:29	2388	4.4	8.40	416.4		
03/02/2020	02:10:29	2415	4.3	8.40	425.1		
03/02/2020	02:12:29	2423	4.4	8.40	433.8		
03/02/2020	02:14:29	2394	4.4	8.40	442.5		
03/02/2020	02:16:29	2452	4.4	8.40	451.2		
03/02/2020	02:18:29	2457	4.3	8.40	459.9		
03/02/2020	02:20:29	2249	2.2	8.40	468.4		
03/02/2020	02:22:29	2495	2.1	8.40	472.7		
03/02/2020	02:23:00	3042	0.2	8.40	473.7	landed the plug 2000 psi/3000 psi	
03/02/2020	02:24:29	3045	0.0	8.40	473.7		
03/02/2020	02:25:00	3091	0.0	8.40	473.7	hold 3000 psi on line for 15 minutes	
03/02/2020	02:26:29	3080	0.0	8.40	473.7		
03/02/2020	02:28:29	3118	0.0	8.40	473.7		
03/02/2020	02:30:29	3141	0.0	8.40	473.7		
03/02/2020	02:32:29	3166	0.0	8.40	473.7		
03/02/2020	02:34:29	3193	0.0	8.40	473.7		
03/02/2020	02:36:29	3218	0.0	8.40	0.0		
03/02/2020	02:38:29	4018	2.2	8.40	1.0		
03/02/2020	02:40:00	2166	2.2	8.40	2.1	check float the are holding flowed back 3.5 bbls	
03/02/2020	02:40:29	1997	0.0	8.40	3.1		
03/02/2020	02:42:29	3	0.0	8.40	3.1		

Well FOLLEY 13-8HZ			Field DG		Job Start Mar/01/2020		Customer ANADARKO		Job Number 3129646	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL		Message
03/02/2020	02:46:29	42		0.0		8.40		0.0		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.8	N2	Mud 0.0	Maximum Rate 0.0	Total Slurry 758.0	Mud 0.0	Spacer 117.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3000	Final 2000	Average 1220	Bump Plug to 3000	Breakdown	Type FreshWater	Volume bbl	Density 8.34 lb/gal		
Avg. N2 Percent %	Designed Slurry Volume 1347.0 bbl	Displacement 466.4 bbl	Mix Water Temp 67 degF	Cement Circulated to Surface?		<input checked="" type="checkbox"/>	Volume 41.0 bbl		
				Washed Thru Perfs		<input type="checkbox"/>	To ft		
Customer or Authorized Representative JOHN TRUITT		Schlumberger Supervisor ALBERT SNYDER			Circulation Lost		<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
					-			-	