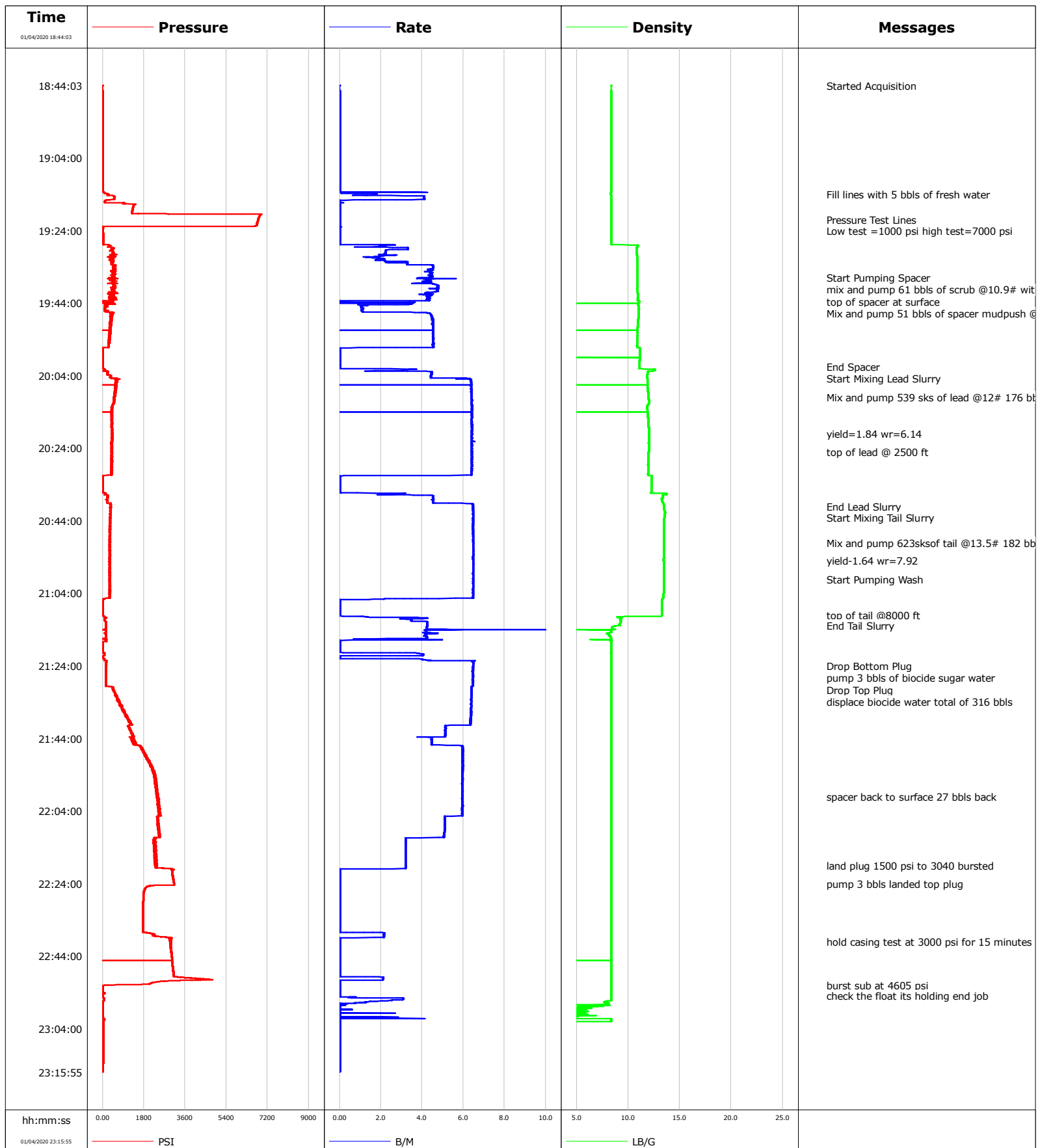


**Well** WINDSOCK  
**Field** DJ  
**Engineer** ALBERT SNYDER  
**Country** United States

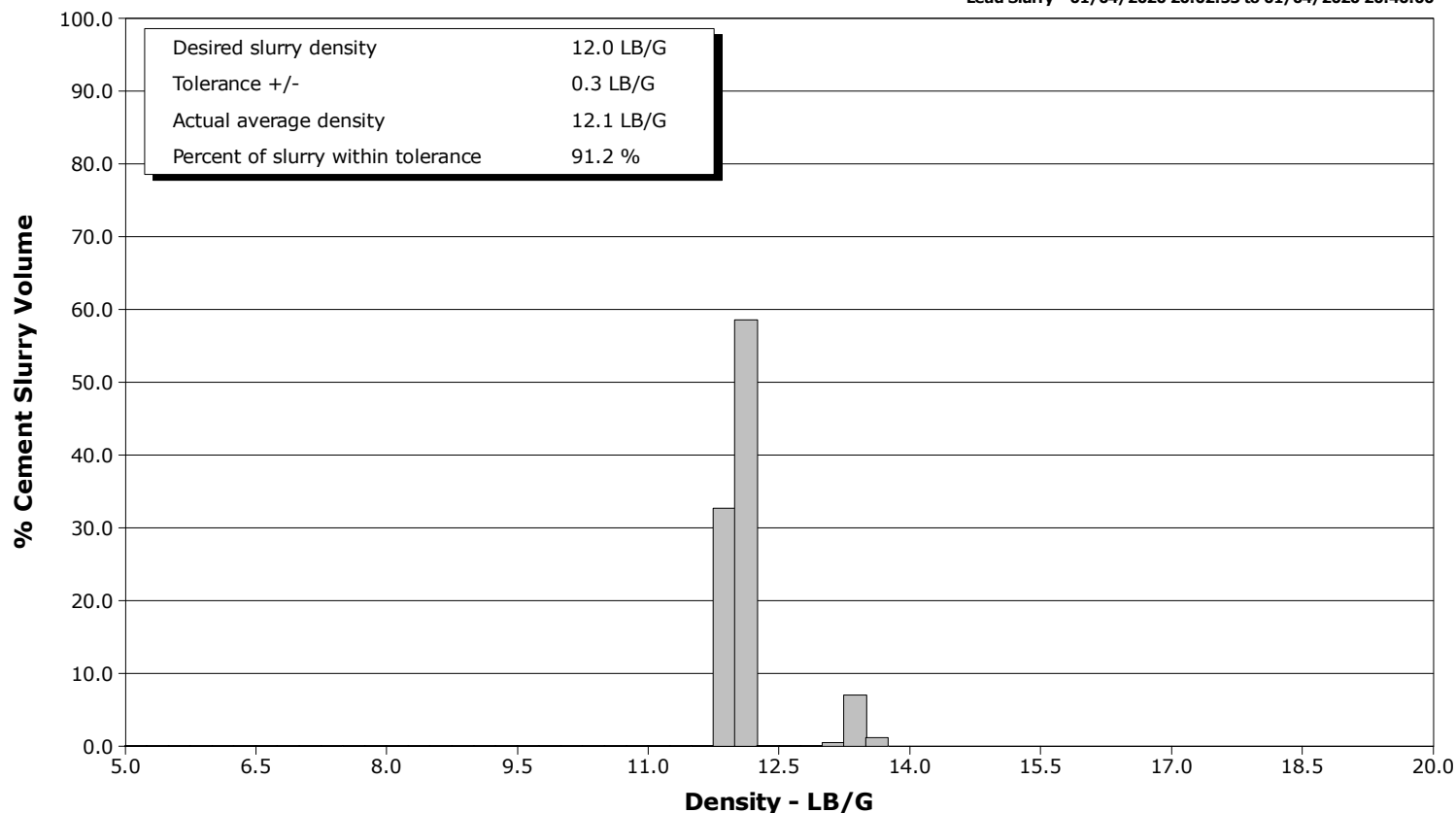
**Client** ANADARKO  
**SIR No.** 3107213  
**Job Type** PRODUCTION  
**Job Date** 01-04-2020



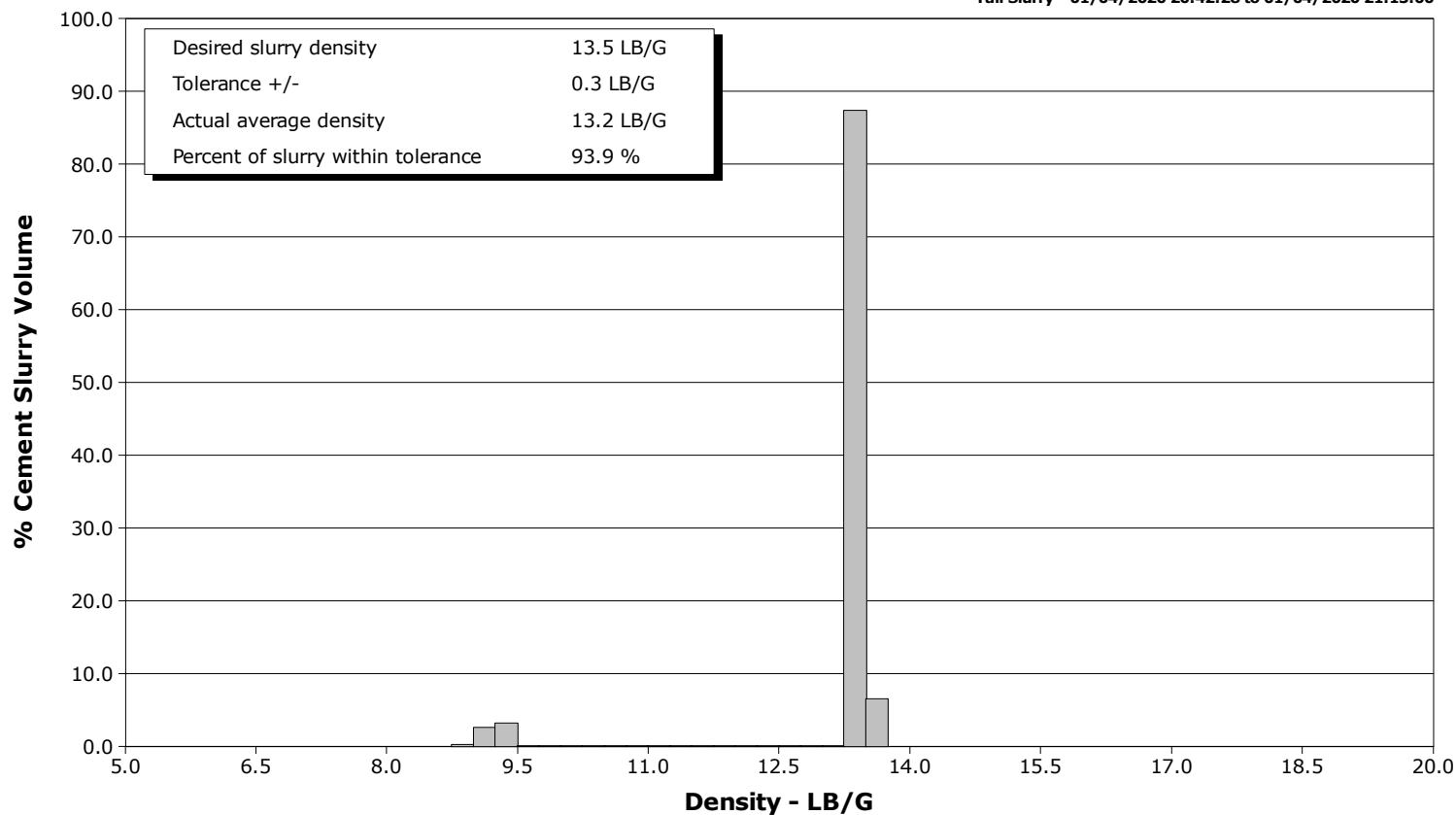
**Well** WINDSOCK  
**Field** DJ  
**Engineer** ALBERT SNYDER  
**Country** United States

**Client** ANADARKO  
**SIR No.** 3107213  
**Job Type** PRODUCTION  
**Job Date** 01-04-2020

Lead Slurry - 01/04/2020 20:02:53 to 01/04/2020 20:40:00



Tail Slurry - 01/04/2020 20:42:28 to 01/04/2020 21:13:00



				Customer ANADARKO			Job Number 3107213										
Well WINDSOCK 21-11HZ			Location (legal) 21-11HZ			Schlumberger Location CWY			Job Start Jan/04/2020								
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 13633.0 ft		Well TVD 7854.0 ft						
County WELD		State/Province Colorado			BHP psi		BHST 230 degF		BHCT 230 degF		Pore Press. Gradient lb/gal						
Well Master 05-123-50636		API/UWI 05-123-50636															
Rig Name PRECISION 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		1890.0		9.6		36.0		J55		8RD			
						13622.0		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 ft			
Service Instructions						ft		ft									
						ft		ft									
						ft		ft									
						Treat Down Casing		Displacement 316.5 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. bbl		Casing Vol. 316.7 bbl		Annular Vol. 363.0 bbl		Openhole Vol. 90.5 bbl					
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools				Squeeze Job							
Lift Pressure 9747 psi						Shoe Type Guide				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 13633.0 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/04/2020 13:30		Arrived on Location Jan/04/2020 13:00		Leave Location Jan/05/2020 00:00		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 13614.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message											
01/04/2020	18:44:03	5	0.0	8.36	0.0	Started Acquisition											
01/04/2020	18:46:03	5	0.0	8.36	0.0												
01/04/2020	18:48:03	5	0.0	8.36	0.0												
01/04/2020	18:50:03	5	0.0	8.36	0.0												
01/04/2020	18:52:03	5	0.0	8.36	0.0												
01/04/2020	18:54:03	4	0.0	8.36	0.0												
01/04/2020	18:56:03	4	0.0	8.36	0.0												
01/04/2020	19:00:03	4	0.0	8.36	0.0												
01/04/2020	19:02:03	5	0.0	8.36	0.0												
01/04/2020	19:04:03	5	0.0	8.36	0.0												
01/04/2020	19:06:03	5	0.0	8.36	0.0												
01/04/2020	19:08:03	4	0.0	8.36	0.0												
01/04/2020	19:10:03	5	0.0	8.36	0.0												
01/04/2020	19:12:03	5	0.0	8.36	0.0												
01/04/2020	19:14:00	232	1.7	8.32	0.7	Fill lines with 5 bbls of fresh water											
01/04/2020	19:14:03	260	1.7	8.32	0.7												
01/04/2020	19:16:03	100	0.0	8.37	6.0												
01/04/2020	19:18:03	1309	0.0	8.37	6.0												
01/04/2020	19:20:03	6845	0.0	8.37	6.0												
01/04/2020	19:21:00	6783	0.0	8.37	6.0	Pressure Test Lines											
01/04/2020	19:22:03	6739	0.0	8.37	6.0												

Well			Field		Job Start		Customer		Job Number	
WINDSOCK 21-11HZ			DJ		Jan/04/2020		ANADARKO		3107213	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
01/04/2020	19:24:03	21		0.0	8.37		6.0			
01/04/2020	19:26:03	23		0.0	8.37		6.0			
01/04/2020	19:28:03	237		2.6	10.76		6.2			
01/04/2020	19:30:03	460		2.2	10.83		11.9			
01/04/2020	19:32:03	498		2.0	10.89		18.4			
01/04/2020	19:34:03	553		4.5	10.90		25.6			
01/04/2020	19:36:03	491		4.5	10.90		34.5			
01/04/2020	19:37:02	476		4.4	10.90		38.8	Start Pumping Spacer		
01/04/2020	19:37:38	420		4.4	10.90		41.4	mix and pump 61 bbls of scrub @10.9# with surfactant		
01/04/2020	19:38:03	413		4.0	10.90		43.2			
01/04/2020	19:38:37	300		3.6	10.90		45.6	top of spacer at surface		
01/04/2020	19:39:06	510		4.7	10.91		47.7	Mix and pump 51 bbls of spacer mudpush @10.9#		
01/04/2020	19:40:03	431		4.5	10.87		52.3			
01/04/2020	19:42:03	435		4.4	10.94		61.3			
01/04/2020	19:44:03	276		3.5	10.94		68.0			
01/04/2020	19:46:03	84		1.1	11.02		71.2			
01/04/2020	19:48:03	433		4.5	10.99		78.3			
01/04/2020	19:50:03	342		4.5	10.94		87.3			
01/04/2020	19:52:03	346		4.5	10.91		96.4			
01/04/2020	19:54:03	264		4.5	10.88		105.4			
01/04/2020	19:56:03	274		4.5	10.86		114.5			
01/04/2020	19:58:03	10		0.0	11.13		115.8			
01/04/2020	20:00:03	10		0.0	11.12		115.8			
01/04/2020	20:01:33	10		0.0	11.12		115.8	End Spacer		
01/04/2020	20:02:03	10		0.0	11.12		115.8			
01/04/2020	20:02:53	225		4.4	11.90		117.9	Start Mixing Lead Slurry		
01/04/2020	20:04:03	362		4.4	11.80		123.1			
01/04/2020	20:06:03	633		6.4	11.87		134.5			
01/04/2020	20:10:00	496		6.4	11.95		159.7	Mix and pump 539 sks of lead @12# 176 bbls		
01/04/2020	20:10:03	538		6.4	11.95		160.0			
01/04/2020	20:12:03	461		6.4	11.91		172.8			
01/04/2020	20:14:03	441		6.4	11.88		185.6			
01/04/2020	20:16:03	403		6.4	11.95		198.4			
01/04/2020	20:18:03	391		6.4	11.97		211.3			
01/04/2020	20:20:00	429		6.4	12.02		223.8	yield=1.84 wr=6.14		
01/04/2020	20:20:03	395		6.4	12.02		224.1			
01/04/2020	20:22:03	407		6.4	12.00		236.9			
01/04/2020	20:24:03	434		6.4	12.01		249.7			
01/04/2020	20:25:00	391		6.4	11.99		255.8	top of lead @ 2500 ft		
01/04/2020	20:26:03	425		6.4	11.97		262.5			
01/04/2020	20:28:03	394		6.4	11.94		275.3			
01/04/2020	20:30:03	371		6.4	11.95		288.2			
01/04/2020	20:32:03	7		0.0	12.28		297.7			
01/04/2020	20:34:03	6		0.0	12.25		297.7			
01/04/2020	20:36:03	7		0.0	12.25		297.7			
01/04/2020	20:38:03	221		4.5	13.24		304.3			
01/04/2020	20:40:00	348		6.5	13.47		314.6	End Lead Slurry		
01/04/2020	20:40:03	332		6.5	13.47		314.9			
01/04/2020	20:42:03	365		6.5	13.55		327.9			
01/04/2020	20:42:28	329		6.5	13.54		330.6	Start Mixing Tail Slurry		
01/04/2020	20:44:03	316		6.5	13.49		340.8			
01/04/2020	20:46:03	350		6.4	13.46		353.7			
01/04/2020	20:48:03	317		6.5	13.45		366.7			
01/04/2020	20:50:00	340		6.5	13.44		379.3	Mix and pump 623sksof tail @13.5# 182 bbls		

Well			Field		Job Start	Customer	Job Number
WINDSOCK 21-11HZ			DJ		Jan/04/2020	ANADARKO	3107213
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/04/2020	20:52:03	298	6.5	13.44	392.5		
01/04/2020	20:54:03	338	6.5	13.43	405.5		
01/04/2020	20:55:00	292	6.5	13.42	411.6	yield-1.64 wr=7.92	
01/04/2020	20:56:03	297	6.5	13.44	418.4		
01/04/2020	20:58:03	338	6.5	13.44	431.4		
01/04/2020	21:00:00	314	6.5	13.44	444.0	Start Pumping Wash	
01/04/2020	21:00:03	300	6.5	13.44	444.3		
01/04/2020	21:02:03	323	6.5	13.44	457.2		
01/04/2020	21:04:03	309	6.5	13.43	470.2		
01/04/2020	21:06:03	13	0.0	13.27	479.8		
01/04/2020	21:08:03	18	0.0	13.25	479.8		
01/04/2020	21:10:00	18	0.0	13.25	479.8	top of tail @8000 ft	
01/04/2020	21:10:03	18	0.0	13.25	479.8		
01/04/2020	21:12:03	139	4.2	9.25	485.4		
01/04/2020	21:13:00	151	4.2	8.82	489.5	End Tail Slurry	
01/04/2020	21:14:03	26	4.2	3.24	494.2		
01/04/2020	21:16:03	142	4.2	8.29	502.8		
01/04/2020	21:18:03	19	0.0	8.36	506.2		
01/04/2020	21:20:03	17	0.0	8.36	506.2		
01/04/2020	21:22:03	72	3.3	8.39	509.6		
01/04/2020	21:24:00	146	6.5	8.37	520.9	Drop Bottom Plug	
01/04/2020	21:24:03	152	6.5	8.37	521.2		
01/04/2020	21:25:00	144	6.5	8.37	527.4	pump 3 bbls of biocide sugar water	
01/04/2020	21:26:03	146	6.5	8.37	534.1		
01/04/2020	21:28:03	145	6.5	8.37	547.1		
01/04/2020	21:29:49	438	6.4	8.37	558.4	Drop Top Plug	
01/04/2020	21:30:00	439	6.4	8.37	559.6	displace biocide water total of 316 bbls	
01/04/2020	21:30:03	433	6.4	8.37	559.9		
01/04/2020	21:32:03	617	6.4	8.36	572.7		
01/04/2020	21:34:03	756	6.4	8.36	585.5		
01/04/2020	21:36:03	919	6.4	8.36	598.2		
01/04/2020	21:38:03	1012	6.4	8.36	610.9		
01/04/2020	21:40:03	1277	6.3	8.36	623.6		
01/04/2020	21:42:03	1264	5.1	8.36	634.3		
01/04/2020	21:44:03	1380	4.5	8.36	644.2		
01/04/2020	21:46:03	1667	5.9	8.36	653.4		
01/04/2020	21:48:03	1854	6.0	8.37	665.3		
01/04/2020	21:50:03	1979	6.0	8.36	677.2		
01/04/2020	21:52:03	2134	6.0	8.36	689.2		
01/04/2020	21:54:03	2239	5.9	8.36	701.1		
01/04/2020	21:56:03	2330	6.0	8.36	713.0		
01/04/2020	21:58:03	2412	6.0	8.36	724.9		
01/04/2020	22:00:00	2375	5.9	8.36	736.5	spacer back to surface 27 bbls back	
01/04/2020	22:00:03	2416	6.0	8.36	736.8		
01/04/2020	22:02:03	2468	5.9	8.36	748.7		
01/04/2020	22:04:03	2459	5.9	8.36	760.6		
01/04/2020	22:06:03	2427	5.1	8.36	771.9		
01/04/2020	22:08:03	2410	5.1	8.37	782.1		
01/04/2020	22:10:03	2477	5.0	8.37	792.3		
01/04/2020	22:12:03	2245	3.2	8.37	801.2		
01/04/2020	22:14:03	2309	3.2	8.37	807.5		
01/04/2020	22:16:03	2325	3.2	8.37	813.9		
01/04/2020	22:18:03	2378	3.2	8.37	820.3		
01/04/2020	22:19:00	2310	3.2	8.37	823.3	land plug 1500 psi to 3040 bursted	

Well			Field		Job Start	Customer		Job Number
WINDSOCK 21-11HZ			DJ		Jan/04/2020	ANADARKO		3107213
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/04/2020	22:22:03	3066	0.0	8.37	826.3			
01/04/2020	22:24:00	3110	0.0	8.38	826.3	pump 3 bbls landed top plug		
01/04/2020	22:24:03	3110	0.0	8.38	826.3			
01/04/2020	22:26:03	1809	0.0	8.38	826.3			
01/04/2020	22:28:03	1774	0.0	8.38	826.3			
01/04/2020	22:30:03	1759	0.0	8.38	826.3			
01/04/2020	22:32:03	1754	0.0	8.38	826.3			
01/04/2020	22:34:03	1750	0.0	8.38	826.3			
01/04/2020	22:36:03	1750	0.0	8.38	826.3			
01/04/2020	22:38:03	2278	2.1	8.38	827.6			
01/04/2020	22:40:00	2937	0.0	8.38	829.4	hold casing test at 3000 psi for 15 minutes		
01/04/2020	22:40:03	2990	0.0	8.38	829.4			
01/04/2020	22:42:03	2989	0.0	8.38	829.4			
01/04/2020	22:44:03	3015	0.0	8.38	829.4			
01/04/2020	22:46:03	3044	0.0	8.38	829.4			
01/04/2020	22:48:03	3078	0.0	8.38	829.4			
01/04/2020	22:50:03	3932	2.1	8.38	830.1			
01/04/2020	22:52:00	171	0.0	8.38	831.3	burst sub at 4605 psi		
01/04/2020	22:52:03	41	0.0	8.38	831.3			
01/04/2020	22:54:03	5	0.0	8.38	831.3			
01/04/2020	22:55:00	3	0.0	8.38	831.3	check the float its holding end job		
01/04/2020	22:56:03	62	2.6	8.38	831.3			
01/04/2020	22:58:03	6	0.0	5.16	831.3			
01/04/2020	23:00:03	5	0.0	5.01	831.3			
01/04/2020	23:02:03	35	0.0	4.94	831.3			
01/04/2020	23:04:03	31	0.0	0.11	831.3			
01/04/2020	23:06:03	29	0.0	0.11	831.3			
01/04/2020	23:08:03	30	0.0	0.11	831.3			
01/04/2020	23:10:03	31	0.0	0.11	831.3			
01/04/2020	23:12:03	31	0.0	0.11	831.3			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 56.0	N2	Mud	Maximum Rate 7.0		Total Slurry 358.0	Mud 0.0	Spacer 110.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 4605	Final 3040	Average 1200	Bump Plug to 3040	Breakdown	Type FreshWater	Volume 316.0 bbl	Density 8.34 lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 358.0 bbl		Displacement 316.0 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl				
					Washed Thru Perfs <input type="checkbox"/>		To ft				
Customer or Authorized Representative STEVE WILSON			Schlumberger Supervisor ALBERT SNYDER			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>				
						-	-				