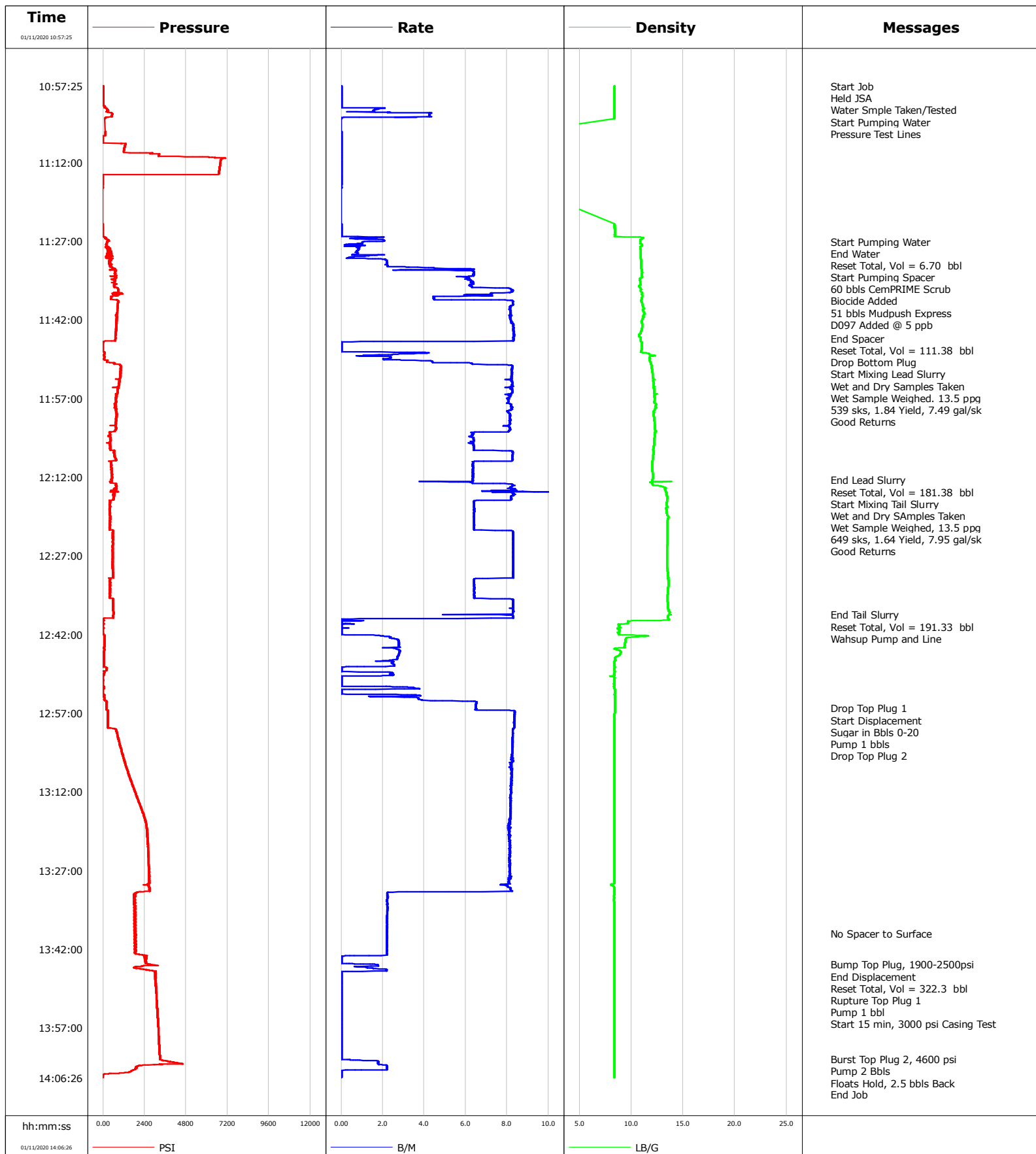


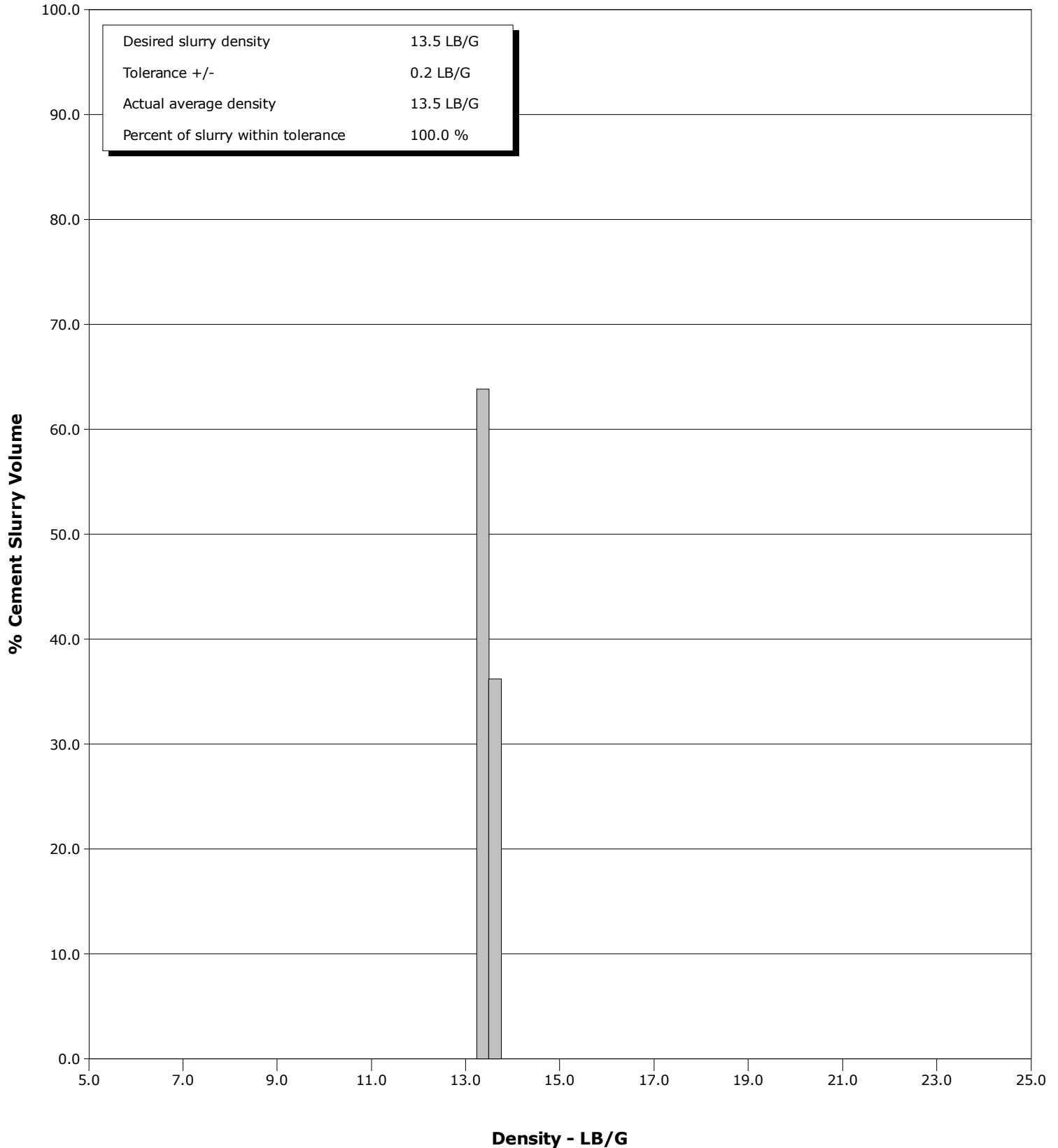
Well	Windsock 21-8HZ	Client	Anadarko
Field	DJ	SIR No.	EAJ7-01224
Engineer	Ryan Drilling/Andrew Black	Job Type	5.5" Production
Country	United States	Job Date	01-11-2020



Well Windsock 21-8HZ
Field DJ
Engineer Ryan Drilling/Andrew Black
Country United States

Client Anadarko
SIR No. EAJ7-01224
Job Type 5.5" Production
Job Date 01-11-2020

Cement Slurry - 01/11/2020 12:19:10 to 01/11/2020 12:30:25



Cementing Service Report

				Customer Anadarko			Job Number EAJ7-01224										
Well Windsock 21-8HZ			Location (legal) CWY			Schlumberger Location CWY			Job Start Jan/11/2020								
Field DJ		Formation Name/Type			Deviation 90 deg		Bit Size 7.9 in		Well MD 13870.0 ft		Well TVD 7837.0 ft						
County Weld		State/Province Colorado			BHP psi		BHST 230 degF		BHCT 230 degF		Pore Press. Gradient lb/gal						
Well Master 0065959422		API/UWI															
Rig Name Precision 461		Drilled For Oil & Gas		Service Via Land		Casing / Liner											
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone		Well Class New		Well Type Development		13870.0		5.5		17.0		p110		Itc			
						0.0		0.0		0.0							
Drilling Fluid Type 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 5.5" Production															
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Double Cement head		Perforations / Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval			
						ft		ft						ft			
						ft		ft						Diameter		in	
						ft		ft									
						Treat Down		Displacement 322.3 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl		Openhole Vol. bbl					
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools			Squeeze Job								
Lift Pressure 1900 psi						Shoe Type Float			Squeeze Type								
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 13870.0 ft			Tool Type								
No. Centralizers		Top Plugs 2		Bottom Plugs 1		Stage Tool Type			Tool Depth ft								
Cement Head Type Double						Stage Tool Depth ft			Tail Pipe Size in								
Job Scheduled For Jan/11/2020 07:00		Arrived on Location Jan/11/2020 07:00		Leave Location Jan/11/2020 15:00		Collar Type Float			Tail Pipe Depth ft								
						Collar Depth 13863.0 ft			Sqz. Total Vol. bbl								
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message											
01/11/2020	10:57:25	1	0.0	8.35	0.0	Started Acquisition											
01/11/2020	10:57:26	-0	0.0	8.35	0.0	Start Job											
01/11/2020	10:57:27	1	0.0	8.35	0.0	Held JSA											
01/11/2020	10:57:31	1	0.0	8.35	0.0	Start Pumping Water											
01/11/2020	10:57:32	1	0.0	8.35	0.0	Pressure Test Lines											
01/11/2020	10:58:25	0	0.0	8.35	0.0												
01/11/2020	10:59:25	1	0.0	8.35	0.0												
01/11/2020	11:00:25	0	0.0	8.35	0.0												
01/11/2020	11:01:25	121	0.0	8.35	0.0												
01/11/2020	11:02:25	297	0.0	8.35	1.2												
01/11/2020	11:03:25	197	0.0	8.35	5.2												
01/11/2020	11:06:25	118	0.0	0.00	0.0												
01/11/2020	11:07:25	-2	0.0	0.00	0.0												
01/11/2020	11:08:25	1037	0.0	0.00	0.0												
01/11/2020	11:09:25	1221	0.0	0.00	0.0												
01/11/2020	11:11:25	6838	0.0	0.00	0.0												
01/11/2020	11:12:25	6763	0.0	0.00	0.0												
01/11/2020	11:13:25	6724	0.0	0.00	0.0												
01/11/2020	11:14:25	-31	0.0	0.00	0.0												
01/11/2020	11:15:25	-23	0.0	0.00	0.0												
01/11/2020	11:24:25	-1	0.0	8.40	0.0												

Well			Field		Job Start		Customer		Job Number	
Windssock 21-8HZ			DJ		Jan/11/2020		Anadarko		EAJ7-01224	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
01/11/2020	11:27:02	225	1.7	10.85	1.4	Start Pumping Water				
01/11/2020	11:27:03	325	1.4	10.85	1.4	End Water				
01/11/2020	11:27:06	251	1.1	10.85	1.5	Reset Total, Vol = 6.70 bbl				
01/11/2020	11:27:17	227	1.0	10.85	1.7	Start Pumping Spacer				
01/11/2020	11:27:23	220	1.0	10.85	1.8	60 bbls CemPRIME Scrub				
01/11/2020	11:27:25	217	1.0	10.85	1.8					
01/11/2020	11:27:35	198	0.3	11.01	1.9	Biocide Added				
01/11/2020	11:28:25	340	0.9	10.86	2.5					
01/11/2020	11:29:25	262	0.8	10.90	3.3					
01/11/2020	11:30:25	549	2.0	10.92	4.1					
01/11/2020	11:31:25	380	2.2	10.95	6.3					
01/11/2020	11:32:25	512	5.4	10.99	9.9					
01/11/2020	11:33:25	720	6.3	11.02	15.8					
01/11/2020	11:34:25	684	6.2	10.80	21.9					
01/11/2020	11:35:25	663	6.3	10.84	28.2					
01/11/2020	11:36:25	883	8.3	10.92	35.5					
01/11/2020	11:37:25	863	7.1	11.07	43.0					
01/11/2020	11:38:25	871	8.3	10.97	48.5					
01/11/2020	11:39:25	854	8.1	11.10	56.8					
01/11/2020	11:40:01	830	8.1	11.17	61.7	51 bbls Mudpush Express				
01/11/2020	11:40:02	821	8.1	11.15	61.8	D097 Added @ 5 ppb				
01/11/2020	11:40:25	828	8.2	11.19	64.9					
01/11/2020	11:41:25	801	8.2	11.18	73.1					
01/11/2020	11:42:25	778	8.2	10.99	81.3					
01/11/2020	11:43:25	754	8.3	11.04	89.5					
01/11/2020	11:44:25	735	8.3	10.93	97.8					
01/11/2020	11:45:25	706	8.3	10.92	106.2					
01/11/2020	11:45:34	729	8.3	10.92	107.4	End Spacer				
01/11/2020	11:45:37	713	8.3	10.92	107.8	Reset Total, Vol = 111.38 bbl				
01/11/2020	11:45:53	712	8.3	10.92	110.0	Drop Bottom Plug				
01/11/2020	11:46:25	-1	0.0	11.00	112.1					
01/11/2020	11:47:25	-5	0.0	10.99	112.1					
01/11/2020	11:48:25	76	3.7	11.68	113.1					
01/11/2020	11:49:25	55	2.0	11.80	115.4					
01/11/2020	11:50:16	629	6.3	11.87	118.6	Start Mixing Lead Slurry				
01/11/2020	11:50:17	661	6.3	11.88	118.7	Wet Sample Weighed. 13.5 ppg				
01/11/2020	11:50:25	682	6.3	11.90	119.5					
01/11/2020	11:51:25	1007	8.2	11.99	127.5					
01/11/2020	11:52:25	988	8.2	12.06	135.7					
01/11/2020	11:53:25	863	8.1	12.17	143.9					
01/11/2020	11:54:25	939	8.2	12.16	152.1					
01/11/2020	11:55:25	839	8.2	12.20	160.3					
01/11/2020	11:56:25	798	8.1	12.20	168.5					
01/11/2020	11:57:25	749	8.1	12.23	176.6					
01/11/2020	11:58:25	678	8.2	12.34	184.7					
01/11/2020	11:59:25	738	8.0	12.18	192.9					
01/11/2020	12:00:25	778	8.1	12.18	201.0					
01/11/2020	12:01:25	742	8.1	12.23	209.0					
01/11/2020	12:02:25	723	8.1	12.29	217.2					
01/11/2020	12:03:25	401	6.4	12.28	225.3					
01/11/2020	12:04:25	420	6.4	12.25	231.6					
01/11/2020	12:05:25	403	6.4	12.21	238.0					
01/11/2020	12:06:25	405	6.4	12.15	244.3					
01/11/2020	12:07:25	647	8.3	12.15	251.6					

Well			Field	Job Start		Customer		Job Number
Windssock 21-8HZ			DJ	Jan/11/2020		Anadarko		EAJ7-01224
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/11/2020	12:09:25	451	6.3	12.01	267.2			
01/11/2020	12:10:25	481	6.3	12.03	273.6			
01/11/2020	12:11:25	499	6.3	12.08	279.9			
01/11/2020	12:12:25	454	6.3	12.05	286.3			
01/11/2020	12:12:30	472	6.3	12.03	286.8	End Lead Slurry		
01/11/2020	12:12:54	499	5.9	12.72	289.2	Reset Total, Vol = 181.38 bbl		
01/11/2020	12:13:25	754	8.3	12.04	292.9			
01/11/2020	12:14:25	623	8.4	13.34	301.1			
01/11/2020	12:15:01	673	8.2	13.42	306.0	Start Mixing Tail Slurry		
01/11/2020	12:15:21	690	8.3	13.40	308.8	Wet and Dry SAmPles Taken		
01/11/2020	12:15:25	632	8.3	13.41	309.3			
01/11/2020	12:16:25	409	6.6	13.45	317.5			
01/11/2020	12:17:25	387	6.4	13.42	323.9			
01/11/2020	12:18:25	388	6.4	13.41	330.3			
01/11/2020	12:19:25	408	6.4	13.53	336.7			
01/11/2020	12:20:25	395	6.4	13.51	343.1			
01/11/2020	12:21:25	391	6.4	13.50	349.5			
01/11/2020	12:22:25	562	8.3	13.48	356.5			
01/11/2020	12:23:25	572	8.3	13.49	364.8			
01/11/2020	12:24:25	558	8.3	13.51	373.1			
01/11/2020	12:25:25	570	8.3	13.46	381.4			
01/11/2020	12:26:25	554	8.3	13.46	389.7			
01/11/2020	12:27:25	546	8.3	13.44	397.9			
01/11/2020	12:28:25	563	8.3	13.45	406.2			
01/11/2020	12:29:25	544	8.3	13.47	414.5			
01/11/2020	12:30:25	557	8.3	13.54	422.8			
01/11/2020	12:31:25	391	6.4	13.56	430.8			
01/11/2020	12:32:25	390	6.4	13.58	437.2			
01/11/2020	12:33:25	413	6.4	13.55	443.7			
01/11/2020	12:34:25	387	6.4	13.52	450.1			
01/11/2020	12:35:25	565	8.3	13.50	457.0			
01/11/2020	12:36:25	581	8.3	13.55	465.1			
01/11/2020	12:37:25	581	8.3	13.57	473.5			
01/11/2020	12:38:14	588	8.0	13.69	480.2	End Tail Slurry		
01/11/2020	12:38:17	602	8.2	13.61	480.6	Reset Total, Vol = 191.33 bbl		
01/11/2020	12:38:25	564	8.3	13.56	481.7			
01/11/2020	12:39:25	-3	0.1	9.68	486.1			
01/11/2020	12:40:25	-5	0.0	8.83	486.2			
01/11/2020	12:41:25	-5	0.0	8.86	486.2			
01/11/2020	12:42:25	65	2.4	10.48	486.9			
01/11/2020	12:43:25	60	2.8	9.41	489.5			
01/11/2020	12:44:25	65	2.8	9.33	492.3			
01/11/2020	12:45:25	56	2.8	8.99	495.0			
01/11/2020	12:46:25	51	2.7	8.44	497.7			
01/11/2020	12:47:25	47	2.4	8.39	500.2			
01/11/2020	12:48:25	204	0.0	8.39	501.9			
01/11/2020	12:49:25	52	2.4	8.39	502.7			
01/11/2020	12:50:25	-5	0.0	8.39	503.8			
01/11/2020	12:51:25	-2	0.0	8.31	503.8			
01/11/2020	12:52:25	-14	0.6	8.44	505.6			
01/11/2020	12:53:25	57	2.9	8.39	505.7			
01/11/2020	12:54:25	75	3.9	8.40	509.0			
01/11/2020	12:55:25	195	6.5	8.41	514.9			
01/11/2020	12:56:03	191	6.5	8.41	519.0	Drop Top Plug 1		

Well			Field		Job Start	Customer	Job Number
Windssock 21-8HZ			DJ		Jan/11/2020	Anadarko	EAJ7-01224
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/11/2020	12:56:12	189	6.5	8.40	520.0	Sugar in Bbls 0-20	
01/11/2020	12:56:13	188	6.5	8.41	520.1	Pump 1 bbls	
01/11/2020	12:56:25	284	8.1	8.41	521.4		
01/11/2020	12:57:25	282	8.3	8.39	529.8		
01/11/2020	12:57:35	272	8.4	8.39	531.2	Drop Top Plug 2	
01/11/2020	12:58:25	269	8.3	8.39	538.1		
01/11/2020	12:59:25	261	8.3	8.39	546.4		
01/11/2020	13:00:25	779	8.3	8.39	554.7		
01/11/2020	13:01:25	854	8.3	8.39	563.0		
01/11/2020	13:02:25	926	8.3	8.39	571.3		
01/11/2020	13:03:25	1003	8.3	8.39	579.5		
01/11/2020	13:04:25	1075	8.2	8.39	587.8		
01/11/2020	13:05:25	1171	8.2	8.38	596.0		
01/11/2020	13:06:25	1272	8.1	8.38	604.2		
01/11/2020	13:07:25	1360	8.2	8.38	612.4		
01/11/2020	13:08:25	1461	8.2	8.39	620.7		
01/11/2020	13:09:25	1563	8.2	8.39	628.9		
01/11/2020	13:10:25	1658	8.2	8.38	637.1		
01/11/2020	13:11:25	1789	8.2	8.39	645.1		
01/11/2020	13:12:25	1894	8.2	8.38	653.5		
01/11/2020	13:13:25	2012	8.2	8.38	661.6		
01/11/2020	13:14:25	2135	8.2	8.38	669.8		
01/11/2020	13:15:25	2230	8.2	8.38	678.0		
01/11/2020	13:16:25	2369	8.2	8.38	686.1		
01/11/2020	13:17:25	2441	8.1	8.38	694.3		
01/11/2020	13:18:25	2517	8.0	8.38	702.4		
01/11/2020	13:19:25	2567	8.1	8.38	710.5		
01/11/2020	13:20:25	2562	8.1	8.38	718.6		
01/11/2020	13:21:25	2575	8.1	8.38	726.7		
01/11/2020	13:22:25	2592	8.1	8.38	734.8		
01/11/2020	13:23:25	2609	8.1	8.38	742.9		
01/11/2020	13:24:25	2621	8.1	8.38	751.1		
01/11/2020	13:25:25	2636	8.1	8.38	759.2		
01/11/2020	13:26:25	2654	8.1	8.38	767.3		
01/11/2020	13:27:25	2658	8.1	8.38	775.4		
01/11/2020	13:28:25	2645	8.1	8.38	783.6		
01/11/2020	13:29:25	2691	8.1	8.38	791.6		
01/11/2020	13:30:25	2681	8.1	8.36	799.7		
01/11/2020	13:31:25	1792	2.2	8.36	805.4		
01/11/2020	13:32:25	1793	2.2	8.35	807.6		
01/11/2020	13:33:25	1777	2.2	8.36	809.9		
01/11/2020	13:34:25	1801	2.2	8.37	812.1		
01/11/2020	13:35:25	1788	2.2	8.38	814.3		
01/11/2020	13:36:25	1797	2.2	8.38	816.5		
01/11/2020	13:37:25	1832	2.2	8.38	818.7		
01/11/2020	13:38:25	1808	2.2	8.38	820.9		
01/11/2020	13:38:56	1812	2.2	8.38	822.1	No Spacer to Surface	
01/11/2020	13:39:25	1836	2.2	8.38	823.1		
01/11/2020	13:40:25	1883	2.2	8.38	825.3		
01/11/2020	13:41:25	1820	2.2	8.37	827.5		
01/11/2020	13:42:25	1862	2.2	8.37	829.7		
01/11/2020	13:43:25	2501	0.0	8.38	831.4		
01/11/2020	13:44:25	2446	0.0	8.38	831.4		
01/11/2020	13:44:51	2773	1.7	8.38	831.6	Bump Top Plug, 1900-2500psi	

Well			Field		Job Start	Customer		Job Number
Windssock 21-8HZ			DJ		Jan/11/2020	Anadarko		EAJ7-01224
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/11/2020	13:44:54	2814	1.8	8.38	831.6	Reset Total, Vol = 322.3 bbl		
01/11/2020	13:44:56	2938	1.8	8.38	831.7	Rupture Top Plug 1		
01/11/2020	13:45:25	1795	1.2	8.38	832.3			
01/11/2020	13:46:25	3085	0.0	8.38	833.8			
01/11/2020	13:46:27	2987	0.0	8.37	833.8	Pump 1 bbl		
01/11/2020	13:46:29	3005	0.0	8.38	833.8	Start 15 min, 3000 psi Casing Test		
01/11/2020	13:47:25	3005	0.0	8.38	833.8			
01/11/2020	13:48:25	3059	0.0	8.38	833.8			
01/11/2020	13:49:25	3063	0.0	8.38	833.8			
01/11/2020	13:50:25	3073	0.0	8.38	833.8			
01/11/2020	13:51:25	3097	0.0	8.38	833.8			
01/11/2020	13:53:25	3131	0.0	8.38	833.8			
01/11/2020	13:54:25	3150	0.0	8.38	833.8			
01/11/2020	13:55:25	3166	0.0	8.38	833.8			
01/11/2020	13:56:25	3183	0.0	8.38	833.8			
01/11/2020	13:57:25	3200	0.0	8.38	833.8			
01/11/2020	13:58:25	3214	0.0	8.38	833.8			
01/11/2020	13:59:25	3230	0.0	8.38	833.8			
01/11/2020	14:00:25	3251	0.0	8.38	833.8			
01/11/2020	14:01:25	3260	0.0	8.38	833.8			
01/11/2020	14:02:25	3276	0.0	8.38	833.8			
01/11/2020	14:02:55	3286	0.0	8.38	833.8	Burst Top Plug 2, 4600 psi		
01/11/2020	14:02:56	3295	0.0	8.38	833.8	Pump 2 Bbls		
01/11/2020	14:03:25	3845	1.8	8.38	834.4			
01/11/2020	14:04:21	1907	2.2	8.38	836.2	Floats Hold, 2.5 bbls Back		
01/11/2020	14:04:24	1950	2.2	8.38	836.3	End Job		
01/11/2020	14:04:25	1880	2.2	8.38	836.3			
01/11/2020	14:05:25	1478	0.0	8.38	837.5			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.3	N2	Mud 0.0	Maximum Rate 10.0		Total Slurry 371.0	Mud 0.0	Spacer 111.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4641	Final -15	Average 1278	Bump Plug to 2500	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 366.0 bbl	Displacement 322.3 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl		
					Washed Thru Perfs <input type="checkbox"/>	To ft		
Customer or Authorized Representative Joe Wallem			Schlumberger Supervisor Ryan Drilling/Andrew Black			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	