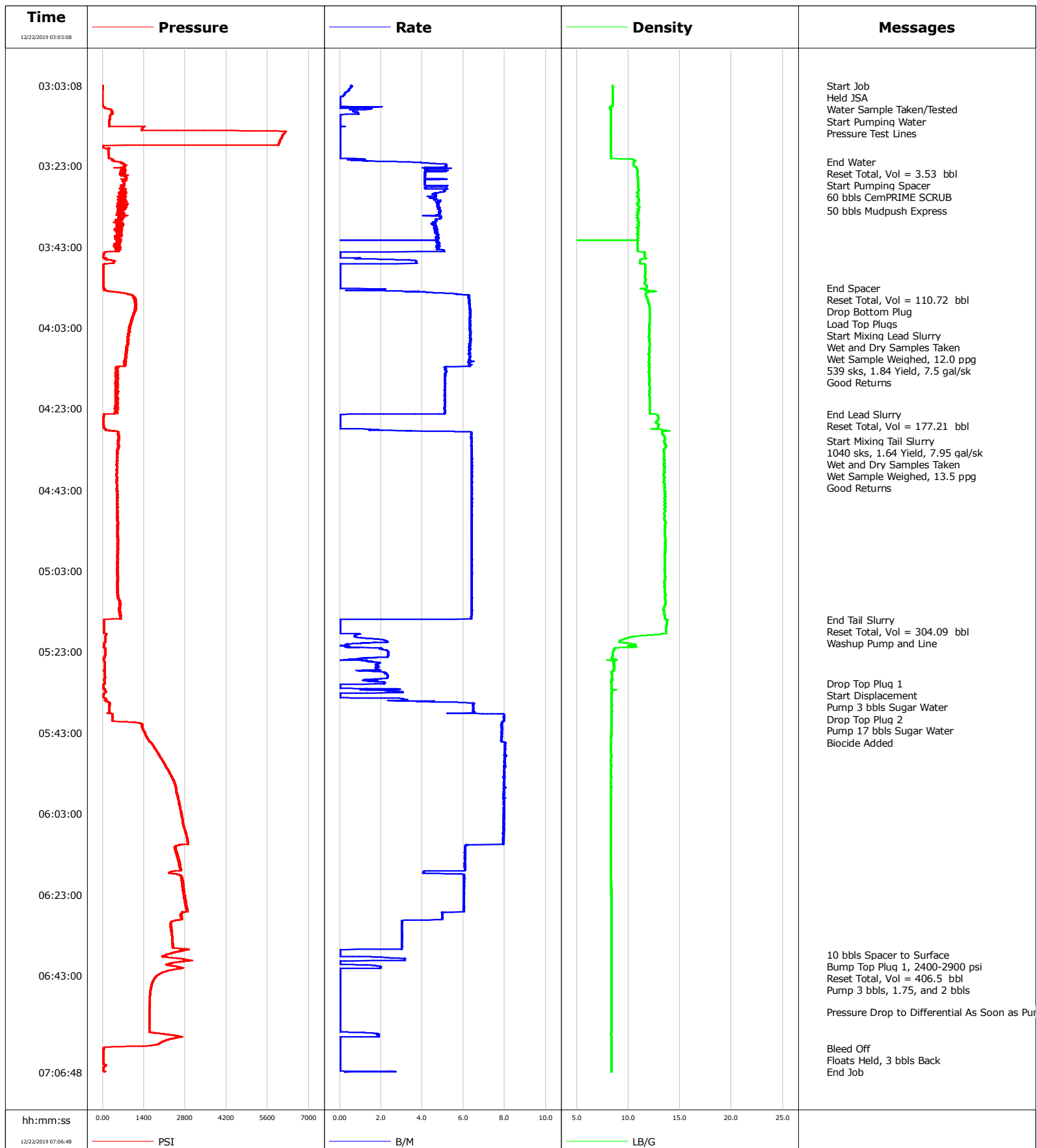


Well	Jodster North 25-8HZ	Client	Anadarko
Field	Wattenberg	SIR No.	EAJ7-01212
Engineer	Ryan Drilling/Guy Olson	Job Type	5.5" Production
Country	United States	Job Date	12-22-2019



Cementing Service Report

				Customer Anadarko			Job Number EAJ7-01212		
Well Jodster North 25-8HZ			Location (legal) CWY		Schlumberger Location CWY			Job Start Dec/22/2019	
Field Wattenberg		Formation Name/Type		Deviation 90 deg		Bit Size 7.9 in		Well MD 17490.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 230 degF		BHCT 230 degF	
Well Master 0065958466		API/UWI						Pore Press. Gradient lb/gal	
Rig Name Precision 564		Drilled For Oil and Gas		Service Via Land		Casing/ Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		17490.0		5.5	
						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	
Service Line Cementing		Job Type 5.5" Production						Grade	
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	
						ft		ft	
						Treat Down		Displacement 406.5 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 2400 psi						Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 17490.6 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type		Tool Depth ft	
Cement Head Type Double						Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Dec/21/2019 22:00		Arrived on Location Dec/21/2019 22:00		Leave Location Dec/22/2019 08:00		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 17487.3 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
12/22/2019	03:03:08	0	0.5	8.48	0.7	Started Acquisition			
12/22/2019	03:03:09	-1	0.5	8.48	0.7	Held JSA			
12/22/2019	03:03:15	0	0.6	8.48	0.7	Start Pumping Water			
12/22/2019	03:03:17	0	0.6	8.48	0.8	Pressure Test Lines			
12/22/2019	03:04:08	0	0.5	8.48	1.2				
12/22/2019	03:05:08	-1	0.3	8.48	1.6				
12/22/2019	03:06:08	-1	0.0	8.47	1.7				
12/22/2019	03:07:08	-1	0.0	8.46	1.7				
12/22/2019	03:08:08	9	0.0	8.46	1.7				
12/22/2019	03:09:08	306	1.2	8.30	2.4				
12/22/2019	03:10:08	334	0.9	8.34	3.2				
12/22/2019	03:11:08	239	0.0	8.35	3.4				
12/22/2019	03:12:08	232	0.0	8.34	3.4				
12/22/2019	03:13:08	227	0.0	8.35	3.4				
12/22/2019	03:14:08	1326	0.0	8.34	3.4				
12/22/2019	03:15:08	6139	0.0	8.34	3.4				
12/22/2019	03:16:08	6067	0.0	8.34	3.4				
12/22/2019	03:17:08	6002	0.0	8.34	3.4				
12/22/2019	03:18:08	21	0.0	8.34	3.4				
12/22/2019	03:19:08	186	0.0	8.34	3.4				
12/22/2019	03:20:08	201	0.0	8.34	3.4				

Well			Field	Job Start		Customer	Job Number	
Jodster North 25-8HZ			Wattenberg		Dec/22/2019		Anadarko	EAJ7-01212
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
12/22/2019	03:21:56	514	2.5	10.68	4.2	End Water		
12/22/2019	03:21:57	487	2.7	10.63	4.2	Reset Total, Vol = 3.53 bbl		
12/22/2019	03:21:59	508	3.0	10.57	4.3	Start Pumping Spacer		
12/22/2019	03:22:03	561	3.3	10.54	4.5	60 bbls CemPRIME SCRUB		
12/22/2019	03:22:08	608	3.9	10.52	4.8			
12/22/2019	03:23:08	743	5.2	10.63	9.6			
12/22/2019	03:24:08	637	4.3	10.89	14.1			
12/22/2019	03:25:08	661	4.1	10.92	18.5			
12/22/2019	03:26:08	825	4.1	10.93	22.7			
12/22/2019	03:28:08	702	5.2	10.98	31.4			
12/22/2019	03:29:08	718	5.1	11.01	36.1			
12/22/2019	03:30:08	645	4.6	10.96	40.9			
12/22/2019	03:31:08	559	4.6	11.01	45.4			
12/22/2019	03:32:08	551	4.8	10.93	50.2			
12/22/2019	03:33:08	598	4.7	11.05	55.0			
12/22/2019	03:34:04	623	4.9	11.01	59.5	50 bbls Mudpush Express		
12/22/2019	03:34:08	738	4.9	11.00	59.8			
12/22/2019	03:35:08	514	4.7	10.83	64.6			
12/22/2019	03:36:08	577	4.7	10.94	69.5			
12/22/2019	03:37:08	635	4.6	11.00	74.1			
12/22/2019	03:38:08	540	4.7	10.92	78.7			
12/22/2019	03:39:08	514	4.7	10.95	83.4			
12/22/2019	03:40:08	632	4.7	10.95	88.1			
12/22/2019	03:41:08	603	4.7	10.88	92.8			
12/22/2019	03:42:08	492	4.8	10.92	97.6			
12/22/2019	03:43:08	444	4.7	10.92	102.4			
12/22/2019	03:44:08	529	5.1	10.95	107.2			
12/22/2019	03:45:08	32	0.0	11.60	107.7			
12/22/2019	03:46:08	118	2.5	11.21	108.3			
12/22/2019	03:47:08	256	2.7	11.12	111.9			
12/22/2019	03:48:08	29	0.0	11.63	112.0			
12/22/2019	03:49:08	30	0.0	11.62	112.0			
12/22/2019	03:50:08	31	0.0	11.61	112.0			
12/22/2019	03:51:08	31	0.0	11.68	112.0			
12/22/2019	03:52:08	32	0.0	11.60	112.0			
12/22/2019	03:53:08	32	0.0	11.76	112.0	End Spacer		
12/22/2019	03:53:09	32	0.0	11.76	112.0	Reset Total, Vol = 110.72 bbl		
12/22/2019	03:53:28	75	2.2	11.65	112.2	Drop Bottom Plug		
12/22/2019	03:53:29	74	2.2	11.66	112.2	Load Top Plugs		
12/22/2019	03:54:08	419	4.1	12.09	113.8			
12/22/2019	03:54:13	523	4.2	11.91	114.2	Start Mixing Lead Slurry		
12/22/2019	03:54:14	486	4.2	11.90	114.2	Wet and Dry Samples Taken		
12/22/2019	03:54:15	538	4.2	11.89	114.3	Wet Sample Weighed, 12.0 ppg		
12/22/2019	03:55:08	1041	6.3	11.72	119.3			
12/22/2019	03:56:08	1085	6.3	11.88	125.5			
12/22/2019	03:57:08	1097	6.3	11.99	131.8			
12/22/2019	03:58:08	1104	6.3	12.05	138.1			
12/22/2019	03:59:08	1114	6.3	12.06	144.4			
12/22/2019	04:00:08	1025	6.3	12.05	150.7			
12/22/2019	04:01:08	973	6.3	12.07	157.1			
12/22/2019	04:02:08	940	6.3	12.03	163.4			
12/22/2019	04:03:08	893	6.3	12.04	169.7			
12/22/2019	04:04:08	940	6.3	12.02	176.0			
12/22/2019	04:05:08	878	6.3	12.00	182.3			

Well			Field	Job Start		Customer		Job Number	
Jodster North 25-8HZ			Wattenberg		Dec/22/2019		Anadarko		EAJ7-01212
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
12/22/2019	04:07:08	839	6.3	12.05	195.0				
12/22/2019	04:09:08	836	6.3	12.07	207.6				
12/22/2019	04:10:08	817	6.3	12.03	213.9				
12/22/2019	04:11:08	767	6.3	12.05	220.2				
12/22/2019	04:12:08	752	6.3	12.01	226.5				
12/22/2019	04:13:08	459	5.1	12.00	232.1				
12/22/2019	04:14:08	488	5.1	12.02	237.2				
12/22/2019	04:15:08	463	5.1	12.02	242.4				
12/22/2019	04:16:08	472	5.1	12.06	247.5				
12/22/2019	04:17:08	461	5.1	12.02	252.6				
12/22/2019	04:18:08	438	5.1	12.04	257.7				
12/22/2019	04:19:08	540	5.1	12.06	262.8				
12/22/2019	04:20:08	465	5.1	12.06	267.9				
12/22/2019	04:21:08	465	5.1	12.05	273.0				
12/22/2019	04:22:08	436	5.1	12.06	278.1				
12/22/2019	04:23:08	481	5.1	12.05	283.2				
12/22/2019	04:24:08	497	5.1	12.12	288.2				
12/22/2019	04:24:15	405	5.1	12.12	288.8	End Lead Slurry			
12/22/2019	04:24:30	37	0.0	12.80	289.2	Reset Total, Vol = 177.21 bbl			
12/22/2019	04:25:08	32	0.0	12.91	289.2				
12/22/2019	04:26:08	33	0.0	12.74	289.2				
12/22/2019	04:27:08	33	0.0	12.92	289.2				
12/22/2019	04:28:08	145	1.7	13.26	289.4				
12/22/2019	04:29:08	524	6.4	13.27	294.1				
12/22/2019	04:30:08	543	6.4	13.56	300.4				
12/22/2019	04:30:50	555	6.4	13.47	304.9	Start Mixing Tail Slurry			
12/22/2019	04:31:08	530	6.4	13.49	306.8				
12/22/2019	04:31:52	532	6.4	13.58	311.5	1040 sks, 1.64 Yield, 7.95 gal/sk			
12/22/2019	04:32:08	554	6.4	13.67	313.2				
12/22/2019	04:33:08	527	6.4	13.48	319.6				
12/22/2019	04:34:08	498	6.4	13.43	326.0				
12/22/2019	04:35:08	495	6.4	13.46	332.4				
12/22/2019	04:36:08	480	6.4	13.45	338.8				
12/22/2019	04:37:08	489	6.4	13.52	345.2				
12/22/2019	04:38:08	486	6.4	13.44	351.6				
12/22/2019	04:39:08	464	6.4	13.38	358.0				
12/22/2019	04:40:08	486	6.4	13.48	364.4				
12/22/2019	04:41:08	473	6.4	13.41	370.8				
12/22/2019	04:42:08	487	6.4	13.50	377.2				
12/22/2019	04:44:08	512	6.4	13.59	390.0				
12/22/2019	04:45:08	483	6.4	13.51	396.4				
12/22/2019	04:46:08	497	6.4	13.52	402.8				
12/22/2019	04:47:08	505	6.4	13.57	409.2				
12/22/2019	04:48:08	503	6.4	13.57	415.6				
12/22/2019	04:49:08	492	6.4	13.49	422.0				
12/22/2019	04:50:08	478	6.4	13.49	428.4				
12/22/2019	04:51:08	516	6.4	13.61	434.8				
12/22/2019	04:52:08	505	6.4	13.54	441.2				
12/22/2019	04:53:08	497	6.4	13.53	447.6				
12/22/2019	04:54:08	502	6.4	13.54	454.0				
12/22/2019	04:55:08	523	6.4	13.57	460.4				
12/22/2019	04:56:08	519	6.4	13.58	466.8				
12/22/2019	04:57:08	526	6.4	13.55	473.2				
12/22/2019	04:58:08	521	6.4	13.57	479.6				

Well			Field	Job Start		Customer		Job Number	
Jodster North 25-8HZ			Wattenberg		Dec/22/2019		Anadarko		EAJ7-01212
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
12/22/2019	05:00:08	520	6.4	13.52	492.4				
12/22/2019	05:01:08	489	6.4	13.53	498.8				
12/22/2019	05:02:08	500	6.4	13.55	505.2				
12/22/2019	05:03:08	497	6.4	13.54	511.6				
12/22/2019	05:04:08	485	6.4	13.54	518.0				
12/22/2019	05:05:08	502	6.4	13.56	524.4				
12/22/2019	05:06:08	494	6.4	13.53	530.8				
12/22/2019	05:07:08	526	6.4	13.51	537.2				
12/22/2019	05:08:08	525	6.4	13.54	543.6				
12/22/2019	05:09:08	521	6.4	13.57	550.0				
12/22/2019	05:10:08	572	6.4	13.57	556.4				
12/22/2019	05:11:08	611	6.4	13.58	562.8				
12/22/2019	05:12:08	585	6.4	13.43	569.2				
12/22/2019	05:13:08	580	6.4	13.48	575.6				
12/22/2019	05:14:08	606	6.4	13.54	582.0				
12/22/2019	05:14:57	196	4.1	13.60	587.2	End Tail Slurry			
12/22/2019	05:14:58	88	2.1	13.67	587.3	Reset Total, Vol = 304.09 bbl			
12/22/2019	05:15:08	49	0.0	13.76	587.4				
12/22/2019	05:16:08	43	0.0	13.74	587.4				
12/22/2019	05:17:08	44	0.0	13.63	587.4				
12/22/2019	05:19:08	99	0.7	11.01	587.9				
12/22/2019	05:20:08	88	2.2	9.32	589.2				
12/22/2019	05:21:08	39	0.4	10.61	590.9				
12/22/2019	05:22:08	84	2.0	8.70	591.5				
12/22/2019	05:23:08	86	2.4	8.51	593.7				
12/22/2019	05:24:08	82	2.3	8.45	596.0				
12/22/2019	05:25:08	42	1.1	7.96	597.3				
12/22/2019	05:26:08	73	1.8	8.58	598.9				
12/22/2019	05:27:08	72	1.7	8.64	600.8				
12/22/2019	05:28:08	80	2.2	8.39	602.5				
12/22/2019	05:29:08	84	2.3	8.41	604.8				
12/22/2019	05:30:08	51	1.3	8.44	606.7				
12/22/2019	05:30:50	79	2.1	8.36	608.1	Drop Top Plug 1			
12/22/2019	05:30:55	79	2.2	8.36	608.3	Start Displacement			
12/22/2019	05:30:59	35	1.2	8.36	608.4	Pump 3 bbls Sugar Water			
12/22/2019	05:31:08	25	0.0	8.38	608.5				
12/22/2019	05:32:08	75	1.2	8.36	608.5				
12/22/2019	05:33:01	100	3.1	8.39	610.7	Drop Top Plug 2			
12/22/2019	05:33:08	76	2.9	8.39	611.1				
12/22/2019	05:34:08	29	0.0	8.38	611.3				
12/22/2019	05:35:08	149	3.5	8.38	613.4				
12/22/2019	05:36:08	232	6.5	8.40	619.1				
12/22/2019	05:37:08	229	6.5	8.39	625.6				
12/22/2019	05:38:02	233	6.5	8.36	631.4	Pump 17 bbls Sugar Water			
12/22/2019	05:38:08	216	6.4	8.36	632.0				
12/22/2019	05:38:10	157	5.5	8.36	632.3	Biocide Added			
12/22/2019	05:39:08	332	8.0	8.36	639.6				
12/22/2019	05:40:08	331	8.0	8.35	647.6				
12/22/2019	05:41:08	1336	7.8	8.35	655.5				
12/22/2019	05:42:08	1362	7.8	8.35	663.3				
12/22/2019	05:43:08	1437	7.9	8.35	671.2				
12/22/2019	05:44:08	1511	7.8	8.35	679.0				
12/22/2019	05:45:08	1586	7.8	8.35	686.8				
12/22/2019	05:46:08	1713	8.0	8.35	694.8				

Well			Field	Job Start		Customer		Job Number	
Jodster North 25-8HZ			Wattenberg		Dec/22/2019		Anadarko		EAJ7-01212
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
12/22/2019	05:48:08	1882	8.0	8.35	710.8				
12/22/2019	05:49:08	1970	8.0	8.34	718.9				
12/22/2019	05:50:08	2054	8.0	8.34	726.8				
12/22/2019	05:51:08	2127	8.0	8.35	734.8				
12/22/2019	05:52:08	2217	8.0	8.34	742.8				
12/22/2019	05:53:08	2288	8.0	8.34	750.7				
12/22/2019	05:54:08	2358	8.0	8.34	758.8				
12/22/2019	05:55:08	2432	8.0	8.34	766.7				
12/22/2019	05:56:08	2479	8.0	8.34	774.7				
12/22/2019	05:57:08	2500	8.0	8.34	782.7				
12/22/2019	05:58:08	2535	8.0	8.34	790.6				
12/22/2019	05:59:08	2547	8.0	8.35	798.6				
12/22/2019	06:00:08	2591	8.0	8.34	806.5				
12/22/2019	06:01:08	2619	8.0	8.34	814.5				
12/22/2019	06:02:08	2650	8.0	8.34	822.4				
12/22/2019	06:03:08	2666	7.9	8.34	830.4				
12/22/2019	06:04:08	2701	8.0	8.34	838.3				
12/22/2019	06:05:08	2719	8.0	8.34	846.3				
12/22/2019	06:06:08	2744	7.9	8.34	854.2				
12/22/2019	06:07:08	2802	8.0	8.34	862.2				
12/22/2019	06:08:08	2841	7.9	8.34	870.1				
12/22/2019	06:09:08	2866	7.9	8.34	878.0				
12/22/2019	06:10:08	2903	7.9	8.34	886.0				
12/22/2019	06:11:08	2476	6.1	8.34	893.0				
12/22/2019	06:12:08	2463	6.1	8.34	899.0				
12/22/2019	06:13:08	2539	6.1	8.34	905.1				
12/22/2019	06:14:08	2587	6.1	8.34	911.2				
12/22/2019	06:15:08	2604	6.1	8.35	917.3				
12/22/2019	06:16:08	2604	6.1	8.35	923.3				
12/22/2019	06:17:08	2460	4.3	8.35	929.4				
12/22/2019	06:18:08	2607	6.0	8.35	934.1				
12/22/2019	06:19:08	2667	6.0	8.35	940.1				
12/22/2019	06:20:08	2724	6.0	8.35	946.1				
12/22/2019	06:21:08	2752	6.0	8.35	952.1				
12/22/2019	06:22:08	2765	6.0	8.35	958.2				
12/22/2019	06:23:08	2776	6.0	8.35	964.2				
12/22/2019	06:24:08	2814	6.0	8.35	970.2				
12/22/2019	06:25:08	2812	6.0	8.35	976.2				
12/22/2019	06:26:08	2830	6.0	8.35	982.2				
12/22/2019	06:27:08	2862	6.0	8.35	988.2				
12/22/2019	06:28:08	2644	5.0	8.35	993.3				
12/22/2019	06:29:08	2683	5.0	8.35	998.3				
12/22/2019	06:30:08	2298	3.0	8.35	1001.6				
12/22/2019	06:31:08	2311	3.0	8.35	1004.6				
12/22/2019	06:32:08	2326	3.0	8.35	1007.6				
12/22/2019	06:33:08	2350	3.0	8.35	1010.6				
12/22/2019	06:34:08	2366	3.0	8.35	1013.7				
12/22/2019	06:35:08	2381	3.0	8.36	1016.7				
12/22/2019	06:36:08	2399	3.0	8.36	1019.7				
12/22/2019	06:37:08	2518	0.0	8.36	1020.8				
12/22/2019	06:37:47	2202	0.0	8.36	1020.8	10 bbls Spacer to Surface			
12/22/2019	06:38:08	2053	0.0	8.36	1020.8				
12/22/2019	06:38:09	2058	0.0	8.36	1020.8	Reset Total, Vol = 406.5 bbl			
12/22/2019	06:38:15	2019	0.0	8.36	1020.8	Pump 3 bbls, 1.75, and 2 bbls			

Well Jodster North 25-8HZ			Field Wattenberg		Job Start Dec/22/2019	Customer Anadarko		Job Number EAJ7-01212
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
12/22/2019	06:40:08	2189	0.0	8.36	1023.6			
12/22/2019	06:41:08	2754	2.0	8.36	1025.2			
12/22/2019	06:42:08	2066	0.0	8.36	1025.3			
12/22/2019	06:43:08	1820	0.0	8.36	1025.3			
12/22/2019	06:44:08	1721	0.0	8.36	1025.3			
12/22/2019	06:45:08	1668	0.0	8.36	1025.3			
12/22/2019	06:46:08	1635	0.0	8.36	1025.3			
12/22/2019	06:47:08	1617	0.0	8.36	1025.3			
12/22/2019	06:48:08	1604	0.0	8.36	1025.3			
12/22/2019	06:49:08	1599	0.0	8.36	1025.3			
12/22/2019	06:50:08	1597	0.0	8.36	1025.3			
12/22/2019	06:51:08	1591	0.0	8.36	1025.3			
12/22/2019	06:51:55	1585	0.0	8.36	1025.3	Pressure Drop to Differential As Soon as Pumps Off		
12/22/2019	06:52:08	1586	0.0	8.36	1025.3			
12/22/2019	06:53:08	1584	0.0	8.36	1025.3			
12/22/2019	06:54:08	1585	0.0	8.36	1025.3			
12/22/2019	06:55:08	1584	0.0	8.36	1025.3			
12/22/2019	06:56:08	1587	0.0	8.36	1025.3			
12/22/2019	06:57:08	1718	1.5	8.36	1025.5			
12/22/2019	06:58:08	2599	0.4	8.36	1027.3			
12/22/2019	06:59:08	2083	0.0	8.36	1027.3			
12/22/2019	07:00:08	1755	0.0	8.36	1027.3			
12/22/2019	07:00:53	35	0.0	8.36	1027.3	Bleed Off		
12/22/2019	07:01:08	34	0.0	8.36	1027.3			
12/22/2019	07:01:55	31	0.0	8.36	1027.3	End Job		
12/22/2019	07:02:08	31	0.0	8.36	1027.3			
12/22/2019	07:03:08	30	0.0	8.36	1027.3			
12/22/2019	07:04:08	30	0.0	8.36	1027.3			
12/22/2019	07:05:08	112	0.0	8.36	1027.3			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.5	N2	Mud	Maximum Rate 8.1	Total Slurry 481.0	Mud 0.0	Spacer 110.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 6220	Final 0	Average 1133	Bump Plug to 2900	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 481.0 bbl		Displacement 406.5 bbl	Mix Water Temp 69 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative Levi Killough			Schlumberger Supervisor Ryan Drilling/Guy Olson			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	