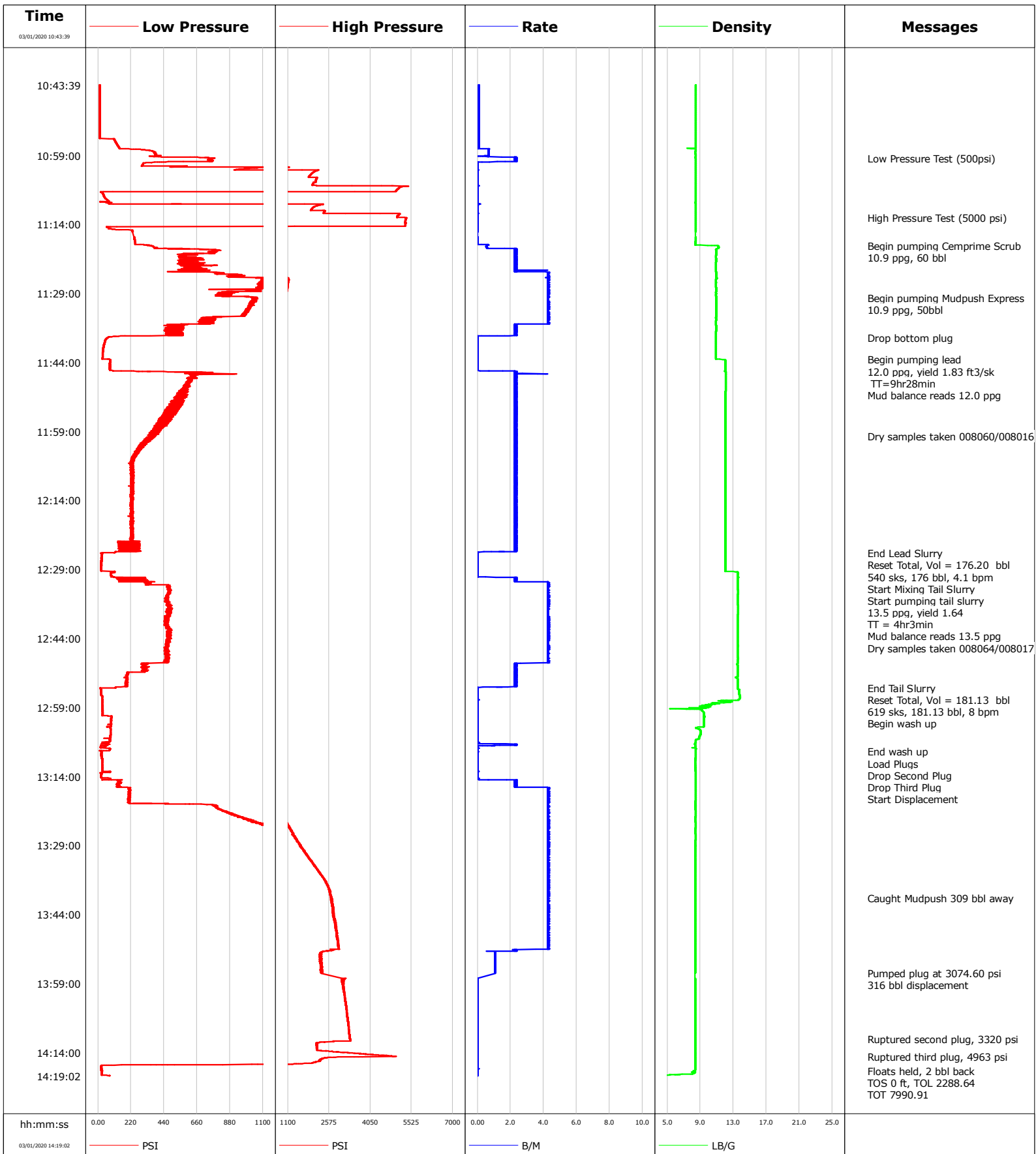


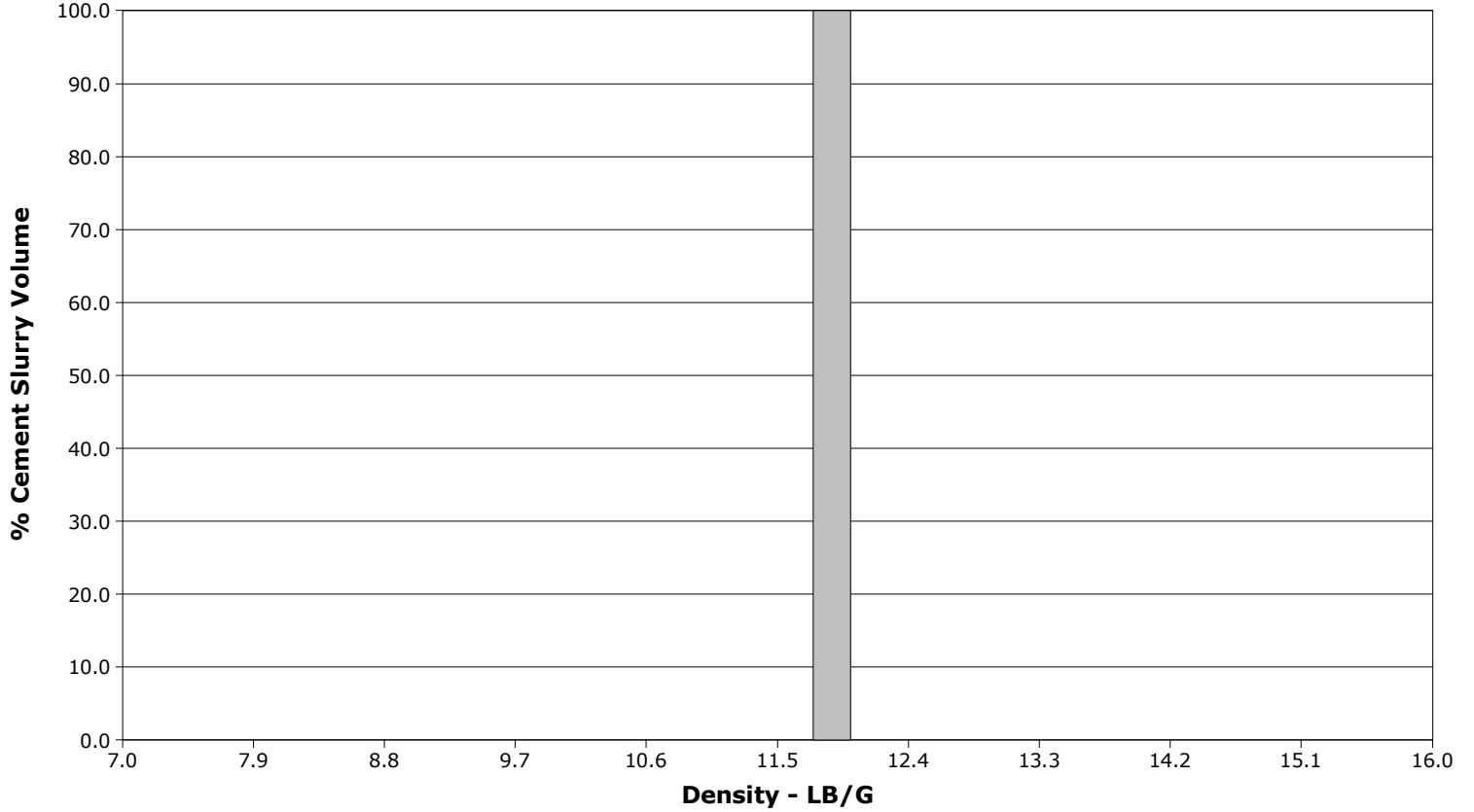
<b>Well</b>	Mae J8-2Hz	<b>Client</b>	Anadarko Petroleum Company
<b>Field</b>	Wattenberg	<b>SIR No.</b>	EAJ7-01252
<b>Engineer</b>	Emily Firehammer	<b>Job Type</b>	Production
<b>Country</b>	United States	<b>Job Date</b>	03-01-2020



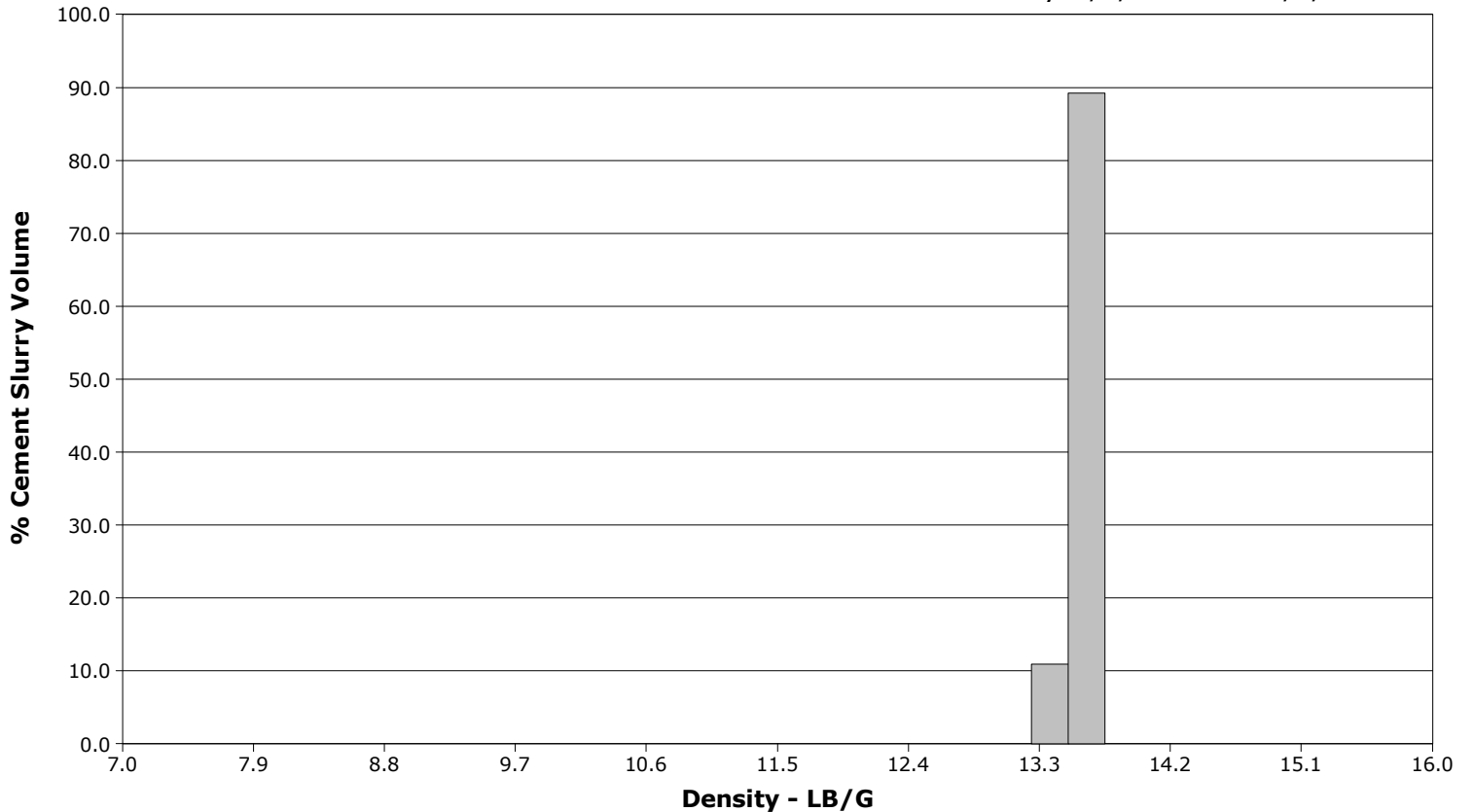
**Well** Mae J8-2Hz  
**Field** Wattenberg  
**Engineer** Emily Firehammer  
**Country** United States

**Client** Anadarko Petroleum Company  
**SIR No.** EAJ7-01252  
**Job Type** Production  
**Job Date** 03-01-2020

Lead Slurry - 03/01/2020 12:25:05 to 03/01/2020 12:25:26



Tail Slurry - 03/01/2020 12:25:55 to 03/01/2020 12:54:47



				Customer			Job Number	
				Anadarko Petroleum Company			EAJ7-01252	
Well		Location (legal)		Schlumberger Location		Job Start		
Mae J8-2Hz 05-123-50520-00-00		Precision 461		Cheyenne		Mar/01/2020		
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD	
Wattenberg				deg	7.9 in	13616.6 ft	7703.0 ft	
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient	
Weld County		Colorado		psi	230 degF	230 degF	lb/gal	
Well Master		API/UWI						
0065961416		05-123-50520-00-00						
Rig Name	Drilled For	Service Via	Casing/Liner					
Precision 461	Oil & Gas	Land						
Offshore Zone	Well Class	Well Type	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
N/A	New	Development	1899.0	9.6	36.0	J55	8RD	
			13616.6	5.5	17.0	P110	8RD	
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
Oil Mud		9.50 lb/gal	cP					
Service Line	Job Type	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Cementing	Production							
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole					
10640 psi	psi	Double Cement head						
Service Instructions			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
			ft	ft			ft	
			ft	ft			Diameter	
			ft	ft			in	
Treat Down		Displacement		Packer Type		Packer Depth		
Casing		315.9 bbl		None		0.0 ft		
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.		
bbl		315.9 bbl		91.0 bbl		362.0 bbl		
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement		Casing Tools		Squeeze Job		
<input type="checkbox"/>		<input type="checkbox"/>						
Lift Pressure		psi		Shoe Type		Squeeze Type		
Pipe Rotated		Pipe Reciprocated		Shoe Depth		Tool Type		
<input type="checkbox"/>		<input type="checkbox"/>		13616.6 ft				
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth		
		1	2	none		ft		
Cement Head Type		Double		Stage Tool Depth		Tail Pipe Size		
				0.0 ft		in		
Job Scheduled For		Arrived on Location	Leave Location	Collar Type		Tail Pipe Depth		
Mar/01/2020 08:00		Mar/01/2020 07:30	Mar/01/2020 03:30			ft		
				Collar Depth		Sqz. Total Vol.		
				13615.4 ft		bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/01/2020	10:43:39	12	0.0	8.41	0.0	Started Acquisition		
03/01/2020	10:44:40	11	0.0	8.41	0.0			
03/01/2020	10:45:41	11	0.0	8.42	0.0			
03/01/2020	10:46:42	11	0.0	8.41	0.0			
03/01/2020	10:47:43	12	0.0	8.42	0.0			
03/01/2020	10:48:44	11	0.0	8.42	0.0			
03/01/2020	10:49:45	11	0.0	8.42	0.0			
03/01/2020	10:50:46	11	0.0	8.42	0.0			
03/01/2020	10:51:47	11	0.0	8.42	0.0			
03/01/2020	10:52:48	11	0.0	8.42	0.0			
03/01/2020	10:53:49	11	0.0	8.42	0.0			
03/01/2020	10:54:50	11	0.0	8.42	0.0			
03/01/2020	10:55:51	114	0.0	8.42	0.0			
03/01/2020	10:56:52	132	0.0	8.42	0.0			
03/01/2020	10:57:53	342	0.7	8.42	0.2			
03/01/2020	10:58:54	380	0.6	8.40	0.8			
03/01/2020	10:59:35	778	4.5	8.41	2.0	Low Pressure Test (500psi)		
03/01/2020	10:59:55	748	4.5	8.41	3.5			
03/01/2020	11:00:56	299	0.0	8.41	5.7			
03/01/2020	11:01:57	956	0.0	8.41	5.7			
03/01/2020	11:02:58	1950	0.0	8.41	5.7			

Well		Field		Job Start		Customer		Job Number	
Mae J8-2Hz 05-123-50520-00-00		Wattenberg		Mar/01/2020		Anadarko Petroleum Company		EAJ7-01252	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/01/2020	11:05:00	2018	0.0	8.41	5.7				
03/01/2020	11:06:01	5083	0.0	8.41	5.7				
03/01/2020	11:07:02	23	0.0	8.41	5.7				
03/01/2020	11:08:03	43	0.0	8.41	5.7				
03/01/2020	11:09:04	16	0.0	8.41	5.7				
03/01/2020	11:10:05	2080	0.0	8.41	5.9				
03/01/2020	11:11:06	2422	0.0	8.41	5.9				
03/01/2020	11:12:07	5023	0.0	8.41	5.9				
03/01/2020	11:12:32	5334	0.0	8.41	5.9	High Pressure Test (5000 psi)			
03/01/2020	11:13:08	5306	0.0	8.41	5.9				
03/01/2020	11:14:09	5298	0.0	8.41	5.9				
03/01/2020	11:15:10	147	0.0	8.41	5.9				
03/01/2020	11:17:12	243	0.0	8.41	5.9				
03/01/2020	11:18:13	249	0.0	8.40	5.9				
03/01/2020	11:18:36	344	0.6	11.05	6.0	Begin pumping Cemprime Scrub			
03/01/2020	11:18:37	345	0.6	11.10	6.0	10.9 ppg, 60 bbl			
03/01/2020	11:19:14	457	0.5	11.20	6.3				
03/01/2020	11:20:15	739	4.5	10.92	10.3				
03/01/2020	11:21:16	595	2.2	10.91	12.9				
03/01/2020	11:22:17	542	2.2	10.89	15.1				
03/01/2020	11:23:18	605	2.2	10.90	17.8				
03/01/2020	11:24:19	692	2.0	10.91	20.0				
03/01/2020	11:25:20	896	6.4	10.92	25.1				
03/01/2020	11:26:21	1112	8.3	10.90	33.1				
03/01/2020	11:27:22	1081	8.3	10.90	41.5				
03/01/2020	11:28:23	1068	8.0	10.93	49.8				
03/01/2020	11:29:24	882	6.4	10.87	56.7				
03/01/2020	11:30:00	1056	8.3	10.92	61.1	Begin pumping Mudpush Express			
03/01/2020	11:30:25	1053	8.3	10.93	64.5				
03/01/2020	11:31:26	1027	8.3	10.95	73.0				
03/01/2020	11:32:27	1005	8.3	10.95	81.4				
03/01/2020	11:33:28	972	8.3	10.94	89.8				
03/01/2020	11:34:29	770	6.4	10.91	97.4				
03/01/2020	11:35:30	773	6.4	10.90	103.9				
03/01/2020	11:36:31	534	4.5	10.91	109.0				
03/01/2020	11:37:32	483	4.5	10.91	113.6				
03/01/2020	11:38:33	68	0.0	10.91	116.8				
03/01/2020	11:38:40	62	0.0	10.91	116.8	Drop bottom plug			
03/01/2020	11:39:34	45	0.0	10.91	116.8				
03/01/2020	11:40:35	37	0.0	10.91	116.8				
03/01/2020	11:41:36	33	0.0	10.91	116.8				
03/01/2020	11:42:37	30	0.0	10.91	116.8				
03/01/2020	11:43:25	81	0.5	11.98	116.9	Begin pumping lead			
03/01/2020	11:43:26	82	0.4	11.99	116.9	12.0 ppg, yield 1.83 ft3/sk			
03/01/2020	11:43:38	79	0.1	12.00	117.0				
03/01/2020	11:43:45	80	0.1	12.00	117.0	TT=9hr28min			
03/01/2020	11:44:39	79	0.1	12.01	117.1				
03/01/2020	11:45:40	79	0.1	12.02	117.2				
03/01/2020	11:46:41	667	4.5	12.06	120.5				
03/01/2020	11:47:42	630	4.4	12.08	125.1				
03/01/2020	11:48:43	581	4.5	12.07	129.6				
03/01/2020	11:49:44	579	4.5	12.07	134.1				
03/01/2020	11:50:00	597	4.5	12.07	135.3	Mud balance reads 12.0 ppg			
03/01/2020	11:50:45	588	4.4	12.04	138.6				

Well		Field		Job Start		Customer		Job Number	
Mae J8-2Hz 05-123-50520-00-00		Wattenberg		Mar/01/2020		Anadarko Petroleum Company		EAJ7-01252	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/01/2020	11:52:47	512	4.5	12.01	147.7				
03/01/2020	11:53:48	470	4.5	12.01	152.2				
03/01/2020	11:54:49	442	4.5	12.00	156.8				
03/01/2020	11:55:50	448	4.5	11.99	161.3				
03/01/2020	11:56:51	463	4.5	12.01	165.9				
03/01/2020	11:57:52	447	4.5	12.01	170.4				
03/01/2020	11:58:53	403	4.5	12.01	175.0				
03/01/2020	11:59:54	353	4.5	12.02	179.5				
03/01/2020	12:00:00	338	4.5	12.03	180.0	Dry samples taken 008060/008016			
03/01/2020	12:00:55	310	4.5	12.03	184.1				
03/01/2020	12:01:56	284	4.5	12.03	188.6				
03/01/2020	12:02:57	286	4.5	12.03	193.2				
03/01/2020	12:03:58	251	4.5	12.02	197.8				
03/01/2020	12:04:59	222	4.5	12.02	202.3				
03/01/2020	12:06:00	222	4.5	12.01	206.9				
03/01/2020	12:07:01	225	4.5	12.01	211.4				
03/01/2020	12:08:02	229	4.5	12.02	216.0				
03/01/2020	12:09:03	238	4.5	12.02	220.6				
03/01/2020	12:10:04	240	4.5	12.03	225.1				
03/01/2020	12:11:05	229	4.5	12.02	229.7				
03/01/2020	12:12:06	219	4.5	12.03	234.3				
03/01/2020	12:13:07	225	4.5	12.04	238.8				
03/01/2020	12:14:08	225	4.5	12.03	243.4				
03/01/2020	12:15:09	232	4.5	12.01	248.0				
03/01/2020	12:16:10	232	4.5	12.01	252.6				
03/01/2020	12:17:11	233	4.5	12.02	257.1				
03/01/2020	12:18:12	225	4.5	12.02	261.7				
03/01/2020	12:19:13	216	4.5	12.00	266.3				
03/01/2020	12:20:14	233	4.5	12.01	270.9				
03/01/2020	12:21:15	236	4.5	12.02	275.4				
03/01/2020	12:22:16	230	4.5	12.03	280.0				
03/01/2020	12:23:17	142	4.1	12.00	284.4				
03/01/2020	12:24:18	194	4.1	12.00	288.6				
03/01/2020	12:25:19	110	2.7	11.99	292.6				
03/01/2020	12:25:26	27	1.5	11.99	292.9	End Lead Slurry			
03/01/2020	12:25:27	26	1.0	11.99	292.9	Reset Total, Vol = 176.20 bbl			
03/01/2020	12:25:44	25	0.0	12.00	292.9	540 sks, 176 bbl, 4.1 bpm			
03/01/2020	12:25:55	24	0.0	12.00	292.9	Start Mixing Tail Slurry			
03/01/2020	12:26:20	24	0.0	12.00	292.9				
03/01/2020	12:27:21	23	0.0	12.00	292.9				
03/01/2020	12:28:22	22	0.0	12.00	292.9				
03/01/2020	12:29:23	110	0.2	12.01	292.9				
03/01/2020	12:29:30	110	2.6	13.45	293.1	Start pumping tail slurry			
03/01/2020	12:29:50	85	1.8	13.54	293.9	13.5 ppg, yield 1.64			
03/01/2020	12:29:52	85	1.8	13.54	294.0	TT = 4hr3min			
03/01/2020	12:30:00	84	1.8	13.54	294.2	Mud balance reads 13.5 ppg			
03/01/2020	12:30:24	92	2.1	13.48	295.0				
03/01/2020	12:31:25	336	4.3	13.51	298.7				
03/01/2020	12:32:26	467	8.0	13.50	304.6				
03/01/2020	12:33:27	470	8.3	13.54	313.1				
03/01/2020	12:34:28	473	8.3	13.52	321.5				
03/01/2020	12:35:00	470	8.4	13.50	326.0	Dry samples taken 008064/008017			
03/01/2020	12:35:29	453	8.3	13.50	330.0				
03/01/2020	12:37:31	469	8.4	13.57	347.0				

Well		Field		Job Start		Customer		Job Number	
Mae J8-2Hz 05-123-50520-00-00		Wattenberg		Mar/01/2020		Anadarko Petroleum Company		EAJ7-01252	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/01/2020	12:39:33	466	8.4	13.49	364.0				
03/01/2020	12:40:34	450	8.3	13.51	372.5				
03/01/2020	12:41:35	479	8.3	13.53	380.9				
03/01/2020	12:42:36	478	8.3	13.53	389.4				
03/01/2020	12:43:37	470	8.3	13.52	397.9				
03/01/2020	12:44:38	473	8.3	13.53	406.4				
03/01/2020	12:45:39	465	8.3	13.54	414.9				
03/01/2020	12:46:40	453	8.3	13.50	423.3				
03/01/2020	12:47:41	463	8.3	13.53	431.8				
03/01/2020	12:48:42	467	8.3	13.53	440.3				
03/01/2020	12:49:43	308	6.5	13.48	448.2				
03/01/2020	12:50:44	327	6.5	13.53	454.7				
03/01/2020	12:51:45	196	4.6	13.52	460.5				
03/01/2020	12:52:46	191	4.6	13.50	465.1				
03/01/2020	12:54:47	15	1.7	13.51	474.0	End Tail Slurry			
03/01/2020	12:54:48	15	1.1	13.51	474.0				
03/01/2020	12:54:51	17	0.2	13.51	474.0	Reset Total, Vol = 181.13 bbl			
03/01/2020	12:54:58	18	0.0	13.52	474.1	619 sks, 181.13 bbl, 8 bpm			
03/01/2020	12:55:49	22	0.0	13.70	474.1				
03/01/2020	12:56:50	29	0.0	13.79	474.1				
03/01/2020	12:57:51	29	0.0	12.69	474.1				
03/01/2020	12:58:52	29	0.0	9.80	474.1				
03/01/2020	12:59:53	29	0.0	9.33	474.4				
03/01/2020	13:00:54	90	1.2	9.42	474.4				
03/01/2020	13:01:55	88	3.0	9.46	477.0				
03/01/2020	13:02:56	88	3.0	9.44	480.0				
03/01/2020	13:03:57	84	3.0	9.00	482.9				
03/01/2020	13:04:58	84	3.0	9.00	486.0				
03/01/2020	13:05:59	80	2.9	8.48	489.0				
03/01/2020	13:07:00	69	0.7	8.38	491.6				
03/01/2020	13:08:01	80	2.9	8.44	492.3				
03/01/2020	13:08:32	22	0.0	8.42	493.4	End wash up			
03/01/2020	13:09:02	23	0.0	8.41	493.4				
03/01/2020	13:09:32	23	0.0	8.41	493.4	Load Plugs			
03/01/2020	13:10:03	25	0.0	8.40	493.4				
03/01/2020	13:12:05	29	0.0	8.40	493.4				
03/01/2020	13:12:49	30	0.0	8.40	493.4	Drop Second Plug			
03/01/2020	13:13:06	36	4.2	8.41	494.2				
03/01/2020	13:14:07	22	0.0	8.41	494.5				
03/01/2020	13:14:17	32	0.1	8.41	494.5	Drop Third Plug			
03/01/2020	13:15:08	148	6.5	8.41	498.4				
03/01/2020	13:16:09	135	6.5	8.43	505.0				
03/01/2020	13:17:10	217	8.3	8.43	513.0				
03/01/2020	13:18:11	207	8.3	8.41	521.5				
03/01/2020	13:19:12	211	8.3	8.40	530.0				
03/01/2020	13:20:13	789	8.2	8.41	538.4				
03/01/2020	13:21:14	823	8.3	8.41	546.8				
03/01/2020	13:22:15	914	8.2	8.41	555.2				
03/01/2020	13:23:16	991	8.2	8.40	563.5				
03/01/2020	13:24:17	1077	8.2	8.41	571.9				
03/01/2020	13:25:18	1186	8.2	8.40	580.2				
03/01/2020	13:26:19	1285	8.2	8.40	588.5				
03/01/2020	13:27:20	1352	8.1	8.41	596.8				
03/01/2020	13:28:21	1483	8.2	8.40	605.1				

Well		Field		Job Start		Customer		Job Number	
Mae J8-2Hz 05-123-50520-00-00		Wattenberg		Mar/01/2020		Anadarko Petroleum Company		EAJ7-01252	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/01/2020	13:30:23	1725	8.2	8.40	621.8				
03/01/2020	13:31:24	1807	8.2	8.40	630.1				
03/01/2020	13:32:25	1955	8.2	8.40	638.5				
03/01/2020	13:33:26	2070	8.2	8.40	646.8				
03/01/2020	13:34:27	2188	8.2	8.40	655.1				
03/01/2020	13:35:28	2309	8.2	8.40	663.4				
03/01/2020	13:36:29	2426	8.2	8.40	671.7				
03/01/2020	13:37:30	2521	8.1	8.40	680.0				
03/01/2020	13:38:31	2569	8.1	8.40	688.2				
03/01/2020	13:39:32	2644	8.1	8.40	696.5				
03/01/2020	13:40:30	2642	8.1	8.40	704.4	Caught Mudpush 309 bbl away			
03/01/2020	13:40:33	2638	8.1	8.40	704.8				
03/01/2020	13:41:34	2702	8.1	8.40	713.0				
03/01/2020	13:42:35	2720	8.1	8.40	721.3				
03/01/2020	13:43:36	2711	8.1	8.40	729.6				
03/01/2020	13:44:37	2789	8.1	8.40	737.8				
03/01/2020	13:45:38	2801	8.1	8.40	746.1				
03/01/2020	13:46:39	2836	8.1	8.40	754.4				
03/01/2020	13:47:40	2849	8.1	8.40	762.6				
03/01/2020	13:48:41	2881	8.1	8.40	770.9				
03/01/2020	13:49:42	2893	8.1	8.40	779.1				
03/01/2020	13:50:43	2918	8.1	8.40	787.3				
03/01/2020	13:51:44	2688	6.3	8.40	795.3				
03/01/2020	13:52:45	2241	3.3	8.40	799.2				
03/01/2020	13:53:46	2258	3.2	8.40	802.5				
03/01/2020	13:54:47	2271	3.3	8.40	805.8				
03/01/2020	13:55:48	2304	3.3	8.40	809.1				
03/01/2020	13:58:51	3072	0.0	8.40	812.1				
03/01/2020	13:59:52	3098	0.0	8.40	812.1				
03/01/2020	14:00:53	3108	0.0	8.40	812.1				
03/01/2020	14:01:54	3136	0.0	8.40	812.1				
03/01/2020	14:02:55	3161	0.0	8.40	812.1				
03/01/2020	14:03:56	3184	0.0	8.40	812.1				
03/01/2020	14:04:57	3204	0.0	8.40	812.1				
03/01/2020	14:05:58	3224	0.0	8.40	812.1				
03/01/2020	14:06:59	3246	0.0	8.40	812.1				
03/01/2020	14:08:00	3264	0.0	8.40	812.1				
03/01/2020	14:09:01	3283	0.0	8.40	812.1				
03/01/2020	14:10:02	3302	0.0	8.40	812.1				
03/01/2020	14:11:00	3320	0.0	8.40	812.1	Ruptured second plug, 3320 psi			
03/01/2020	14:11:03	3321	0.0	8.40	812.1				
03/01/2020	14:12:04	2128	0.0	8.40	812.1				
03/01/2020	14:13:05	2139	0.0	8.40	812.1				
03/01/2020	14:14:06	3487	2.2	8.39	813.3				
03/01/2020	14:14:47	4854	2.2	8.40	814.8	Ruptured third plug, 4963 psi			
03/01/2020	14:15:07	2472	2.2	8.40	815.5				
03/01/2020	14:16:08	2026	0.0	8.40	817.4				
03/01/2020	14:17:09	24	0.0	8.40	817.4				
03/01/2020	14:17:56	27	0.0	8.21	817.4	Floats held, 2 bbl back			
03/01/2020	14:18:10	25	0.0	8.32	817.4				
03/01/2020	14:18:29	24	0.0	8.09	817.4	TOS 0 ft, TOL 2288.64			

<b>Well</b> Mae J8-2Hz 05-123-50520-00-00	<b>Field</b> Wattenberg	<b>Job Start</b> Mar/01/2020	<b>Customer</b> Anadarko Petroleum Company	<b>Job Number</b> EAJ7-01252
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### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
<b>Slurry</b> 5.6	<b>N2</b>	<b>Mud</b>	<b>Maximum Rate</b> 8.4	<b>Total Slurry</b> 357.3	<b>Mud</b> 0.0	<b>Spacer</b> 110.0	<b>N2</b>	
Treating Pressure Summary, psi					Breakdown Fluid			
<b>Maximum</b> 5428	<b>Final</b> 70	<b>Average</b> 995	<b>Bump Plug to</b> 4000	<b>Breakdown</b>	<b>Type</b>	<b>Volume</b> bbl	<b>Density</b> lb/gal	
<b>Avg. N2 Percent</b> %	<b>Designed Slurry Volume</b> 357.0 bbl	<b>Displacement</b> 316.0 bbl	<b>Mix Water Temp</b> 67 degF	<b>Cement Circulated to Surface?</b> <input type="checkbox"/>	<b>Volume</b> bbl	<b>To</b> ft	<b>Job Completed</b> <input type="checkbox"/>	
				<b>Washed Thru Perfs</b> <input type="checkbox"/>				
<b>Customer or Authorized Representative</b> Pierre-Alexandre Lessard			<b>Schlumberger Supervisor</b> Emily Firehammer		<b>Circulation Lost</b> <input type="checkbox"/>			
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