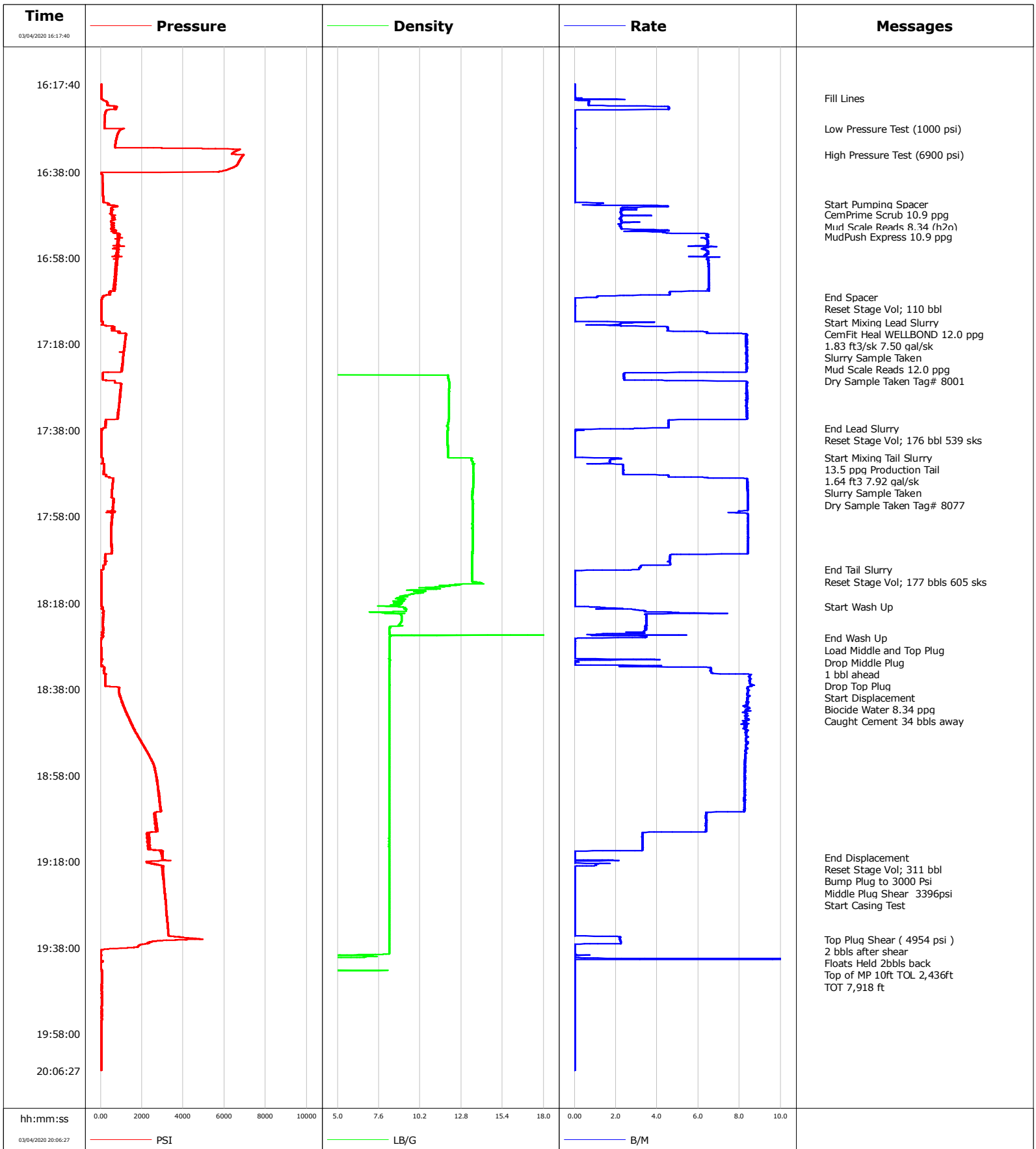


Well	Mae J 8-3HZ	Client	Anadarko
Field	Wattenburg	SIR No.	3132187
Engineer	Jermarco Arrington/ Sheldon Bell	Job Type	Cem Prod Casing
Country	United States	Job Date	3.4.20



				Customer			Job Number			
				Anadarko			3132187			
Well		Location (legal)			Schlumberger Location			Job Start		
Mae J 8-3HZ		Erie						Mar/04/2020		
Field		Formation Name/Type			Deviation	Bit Size	Well MD	Well TVD		
Wattenburg					deg	7.9 in	13412.0 ft	7596.0 ft		
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient		
Weld		Colorado			psi	230 degF	230 degF	lb/gal		
Well Master		API/UWI								
0065961412		05-123-50519-00-00								
Rig Name	Drilled For		Service Via		Casing/Liner					
P-461	Oil		Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class		Well Type		1926.0	9.6	36.0	J55	8RD	
	New		Other		13432.0	4.5	17.0	P110	8RD	
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe					
Oil Mud		9.40 lb/gal	70.000 cP		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type			Perforations/Open Hole						
Cementing	Cem Prod Casing			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
				ft	ft			ft		
				ft	ft			Diameter		
				ft	ft			in		
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection		Treat Down	Displacement	Packer Type	Packer Depth	
psi	psi				Casing	311.3 bbl		ft		
Service Instructions		Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.					
		bbl	311.4 bbl	461.3 bbl	369.3 bbl					
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement			Casing Tools			Squeeze Job		
<input type="checkbox"/>		<input checked="" type="checkbox"/>								
Lift Pressure		Shoe Type			Shoe Depth	Squeeze Type				
psi		Float			13432.0 ft					
Pipe Rotated		Pipe Reciprocated			Stage Tool Type	Tool Depth				
<input type="checkbox"/>		<input type="checkbox"/>				ft				
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Depth			Tail Pipe Size			
		2	1	ft			in			
Cement Head Type		Job Scheduled For			Collar Type	Collar Depth	Tail Pipe Depth			
Single		Mar/04/2020 13:00			Float	13420.0 ft	ft	Sqz. Total Vol.		
		Mar/04/2020 13:30						bbl		
		Mar/04/2020 20:15								
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/04/2020	16:17:40	42	0.0	0.00	0.0	Started Acquisition				
03/04/2020	16:20:54	42	0.1	0.00	0.0	Fill Lines				
03/04/2020	16:27:58	188	0.0	0.00	5.1	Low Pressure Test (1000 psi)				
03/04/2020	16:34:03	6932	0.0	0.00	5.2	High Pressure Test (6900 psi)				
03/04/2020	16:45:27	356	1.2	0.00	5.5	Start Pumping Spacer				
03/04/2020	16:48:00	519	2.3	0.00	11.8	CemPrime Scrub 10.9 ppg				
03/04/2020	16:50:00	545	2.2	0.00	16.6	Mud Scale Reads 8.34 (h2o)				
03/04/2020	16:53:00	824	6.5	0.00	27.9	MudPush Express 10.9 ppg				
03/04/2020	17:07:04	124	1.1	0.00	114.9	End Spacer				
03/04/2020	17:08:00	44	0.0	0.00	115.1	Reset Stage Vol; 110 bbl				
03/04/2020	17:12:49	96	2.3	0.00	115.2	Start Mixing Lead Slurry				
03/04/2020	17:14:00	600	4.5	0.00	118.3	CemFit Heal WELLBOND 12.0 ppg				
03/04/2020	17:15:00	840	5.3	0.00	122.8	1.83 ft3/sk 7.50 gal/sk				
03/04/2020	17:19:00	1152	8.3	0.00	155.2	Slurry Sample Taken				
03/04/2020	17:20:00	1116	8.3	0.00	163.5	Mud Scale Reads 12.0 ppg				
03/04/2020	17:25:00	111	2.4	0.00	202.5	Dry Sample Taken Tag# 8001				
03/04/2020	17:37:29	124	3.4	11.96	290.4	End Lead Slurry				
03/04/2020	17:37:59	22	0.5	11.95	291.0	Reset Stage Vol; 176 bbl 539 sks				
03/04/2020	17:44:14	28	0.0	11.94	291.1	Start Mixing Tail Slurry				
03/04/2020	17:45:00	108	1.7	13.45	292.4	13.5 ppg Production Tail				
03/04/2020	17:46:00	152	2.3	13.56	294.1	1.64 ft3 7.92 gal/sk				

Well		Field		Job Start		Customer		Job Number	
Mae J 8-3HZ		Wattenburg		Mar/04/2020		Anadarko		3132187	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/04/2020	17:49:00	598	6.5	13.55	303.1	Dry Sample Taken Tag# 8077			
03/04/2020	18:10:19	105	2.9	13.48	466.6	End Tail Slurry			
03/04/2020	18:11:00	30	0.0	13.46	466.9	Reset Stage Vol; 177 bbls 605 sks			
03/04/2020	18:18:49	49	0.0	8.23	466.9	Start Wash Up			
03/04/2020	18:26:06	25	2.1	8.28	490.3	End Wash Up			
03/04/2020	18:29:00	28	0.0	8.27	490.4	Load Middle and Top Plug			
03/04/2020	18:30:51	27	0.0	8.28	490.4	Drop Middle Plug			
03/04/2020	18:31:07	88	3.9	8.28	490.7	1 bbl ahead			
03/04/2020	18:32:07	22	0.0	8.27	491.3	Drop Top Plug			
03/04/2020	18:32:25	27	0.1	8.27	491.3	Start Displacement			
03/04/2020	18:33:00	173	6.6	8.26	493.6	Biocide Water 8.34 ppg			
03/04/2020	18:37:27	624	8.4	8.26	528.7	Caught Cement 34 bbls away			
03/04/2020	19:17:02	2975	0.0	8.24	813.6	End Displacement			
03/04/2020	19:17:15	2981	0.0	8.24	813.6	Reset Stage Vol; 311 bbl			
03/04/2020	19:17:30	3008	0.0	8.24	813.6	Bump Plug to 3000 Psi			
03/04/2020	19:17:46	3408	2.2	8.24	813.8	Middle Plug Shear 3396psi			
03/04/2020	19:18:59	3025	0.8	8.24	814.6	Start Casing Test			
03/04/2020	19:36:01	4954	2.2	8.25	816.2	Top Plug Shear (4954 psi)			
03/04/2020	19:36:02	4589	2.2	8.25	816.2	2 bbls after shear			
03/04/2020	19:37:10	2040	0.1	8.26	818.6	Floats Held 2bbls back			
03/04/2020	19:38:10	718	0.0	8.25	818.6	Top of MP 10ft TOL 2,436ft			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
6.0			25.0	821.9	0.0	534.7	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
6932	41	1068	3000			311.0 bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
%	0.0 bbl	179.5 bbl	70 degF	<input type="checkbox"/>	bbl		
				Washed Thru Perfs	To		
				<input type="checkbox"/>	ft		
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	Job Completed		
Joe Wallen	Jermarco Arrington/ Sheldon Bell			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
				-	-		