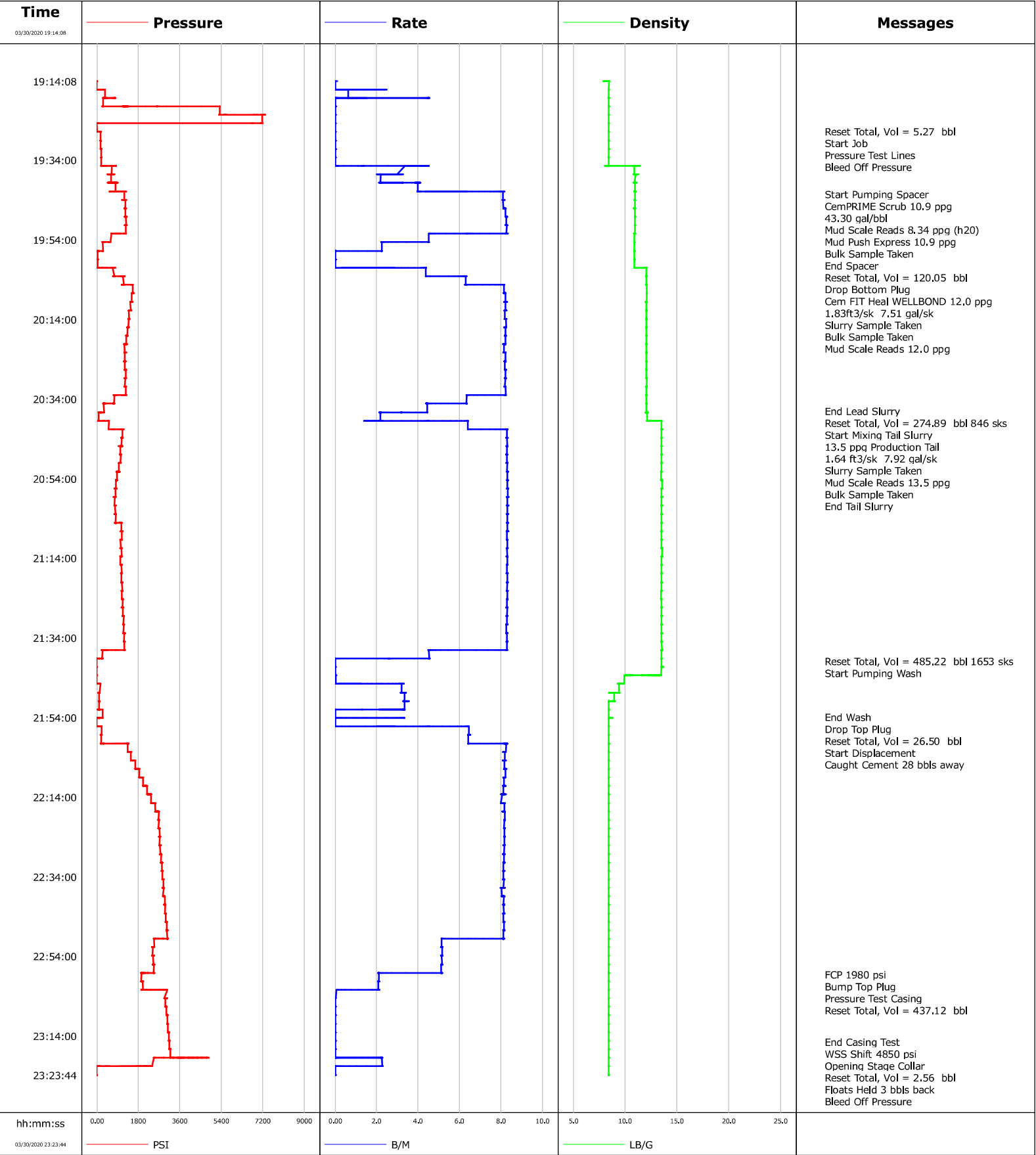


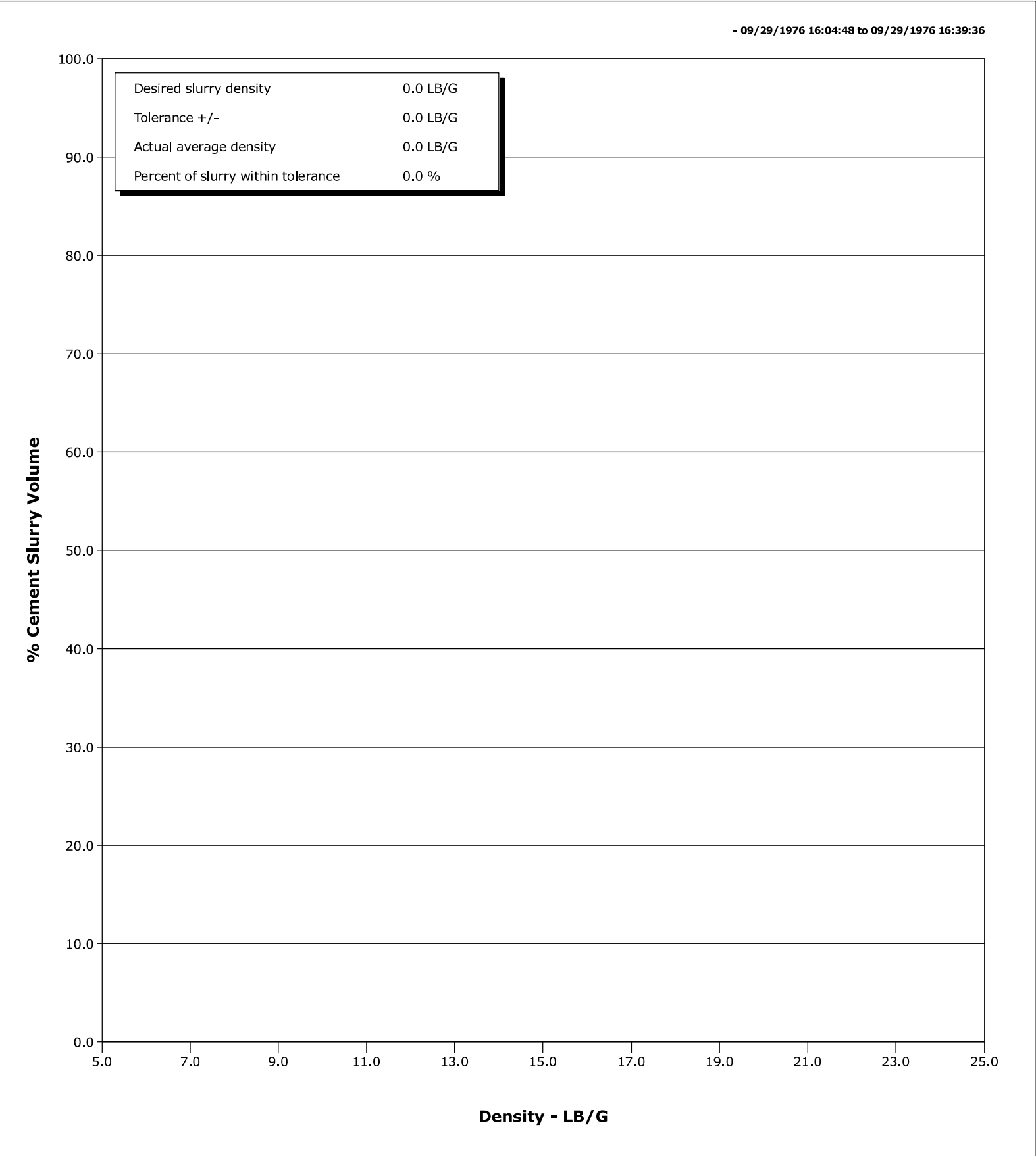
Well	Damore 18 5HZ	Client	Anadarko
Field	Wattenburg	SIR No.	3145486
Engineer	Jermarco Arrington / Sheldon Bell	Job Type	Cem Prod Casing
Country	North America	Job Date	





Cementing Qa/Qc Density Report

Well	Damore 18 5HZ	Client	Anadarko
Field	Wattenburg	SIR No.	3145486
Engineer	Jermarco Arrington / Sheldon Bell	Job Type	Cem Prod Casing
Country	North America	Job Date	



Cementing Service Report

				Customer Anadarko			Job Number 3145486	
Well Damore 18 SHZ			Location (legal) Greeley			Schlumberger Location		Job Start Mar/30/2020
Field Wattenburg		Formation Name/Type		Deviation deg	Bit Size in	Well MD 20407.0 ft		Well TVD ft
County Weld		State/Province Colorado		BHP psi	BHST 230 degF	BHCT 230 degF	Pore Press. Gradient lb/gal	
Well Master 0065961665		API/UWI 05-123-50772-00-00						
Rig Name P-564	Drilled For Oil	Service Via Land	Casing/Liner					
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type	1859.0	9.6	36.0	P110	8RD	
			20407.0	5.5	17.0	J55	8RD	
Drilling Fluid Type Oil Mud		Max. Density 9.50 lb/gal	Plastic Viscosity 78,000 cP	Tubing/Drill Pipe				
				T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
Service Line Cementing	Job Type Cem Prod Casing							
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	
Service Instructions			ft	ft			ft	
			ft	ft			Diameter	
			ft	ft			in	
Treat Down Casing		Displacement 473.1 bbl		Packer Type		Packer Depth ft		
Tubing Vol. bbl		Casing Vol. 473.2 bbl		Annular Vol. 847.0 bbl		Openhole Vol. 756.7 bbl		
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure psi		Shoe Type Float		Squeeze Type				
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 20407.0 ft		Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs 1	Stage Tool Type		Tool Depth ft		
Cement Head Type Single		Stage Tool Depth ft		Tail Pipe Size in				
Job Scheduled For Mar/30/2020 15:00		Arrived on Location Mar/30/2020 15:00	Leave Location Mar/30/2020 23:00	Collar Type Float		Tail Pipe Depth ft		
				Collar Depth 20392.0 ft		Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/30/2020	19:14:08	-62	0.2	8.33	0.0	Started Acquisition		
03/30/2020	19:14:08	-55	0.1	8.21	0.0			
03/30/2020	19:14:08	-54	0.0	8.06	0.0			
03/30/2020	19:14:08	-53	0.0	7.90	0.0			
03/30/2020	19:14:08	-53	0.0	7.97	0.0			
03/30/2020	19:14:08	-52	0.0	8.13	0.0			
03/30/2020	19:14:08	-53	0.0	8.24	0.0			
03/30/2020	19:14:08	-53	0.0	8.32	0.0			
03/30/2020	19:14:08	-53	0.0	8.38	0.0			
03/30/2020	19:14:08	-54	0.0	8.40	0.0			
03/30/2020	19:14:08	-54	0.0	8.41	0.0			
03/30/2020	19:14:08	-1	0.0	8.25	0.0			
03/30/2020	19:14:08	0	0.0	8.15	0.0			
03/30/2020	19:14:08	0	0.0	8.24	0.0			
03/30/2020	19:14:08	-0	0.0	8.32	0.0			
03/30/2020	19:14:08	-1	0.0	8.37	0.0			
03/30/2020	19:14:08	-1	0.0	8.40	0.0			
03/30/2020	19:14:08	-0	0.0	8.40	0.0			
03/30/2020	19:14:08	-0	0.0	8.41	0.0			
03/30/2020	19:14:08	-0	0.0	8.33	0.0			
03/30/2020	19:14:08	-1	0.0	8.30	0.0			

Well			Field		Job Start	Customer	Job Number
Damore 18 5HZ			Wattenburg		Mar/30/2020	Anadarko	3145486
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/30/2020	19:14:08	-1	0.0	8.33	0.0		
03/30/2020	19:14:08	-1	0.0	8.37	0.0		
03/30/2020	19:14:08	-1	0.0	8.40	0.0		
03/30/2020	19:14:08	-1	0.0	8.41	0.0		
03/30/2020	19:14:08	-2	0.0	8.42	0.0		
03/30/2020	19:14:08	-2	0.0	8.42	0.0		
03/30/2020	19:14:08	-2	0.0	8.43	0.0		
03/30/2020	19:14:08	-2	0.0	8.43	0.0		
03/30/2020	19:14:08	-2	0.0	8.43	0.0		
03/30/2020	19:14:08	-1	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-2	0.0	8.43	0.0		
03/30/2020	19:14:08	-2	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-2	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:14:08	-3	0.0	8.43	0.0		
03/30/2020	19:44:00	1191	8.1	10.92	26.5	Mud Scale Reads 8,34 ppg (h20)	
03/30/2020	20:48:00	1028	8.3	13.51	454.9	Mud Scale Reads 13,5 ppg	
03/30/2020	21:24:16	1075	8.3	13.46	755.8		
03/30/2020	21:24:16	1088	8.3	13.46	756.0		
03/30/2020	21:24:16	1087	8.3	13.46	756.1		
03/30/2020	21:24:16	1087	8.3	13.46	756.3		
03/30/2020	21:24:16	1079	8.3	13.45	756.4		
03/30/2020	21:24:16	1100	8.3	13.45	756.5		
03/30/2020	21:24:16	1104	8.3	13.45	756.7		
03/30/2020	21:24:16	1096	8.3	13.45	756.8		
03/30/2020	21:24:16	1091	8.3	13.46	756.9		
03/30/2020	21:24:16	1107	8.3	13.46	757.1		
03/30/2020	21:24:16	1098	8.3	13.46	757.2		
03/30/2020	21:24:16	1083	8.3	13.46	757.4		
03/30/2020	21:24:16	1081	8.3	13.47	757.5		
03/30/2020	21:24:16	1090	8.3	13.47	757.6		
03/30/2020	21:24:16	1091	8.3	13.47	757.8		
03/30/2020	21:24:16	1085	8.3	13.47	757.9		
03/30/2020	21:24:16	1102	8.3	13.47	758.0		
03/30/2020	21:24:16	1108	8.3	13.47	758.2		
03/30/2020	21:24:16	1100	8.3	13.47	758.3		
03/30/2020	21:24:16	1096	8.3	13.47	758.5		
03/30/2020	21:24:16	1109	8.3	13.47	758.6		
03/30/2020	21:24:16	1103	8.3	13.46	758.7		
03/30/2020	21:24:16	1085	8.3	13.46	758.9		
03/30/2020	21:24:16	1079	8.3	13.46	759.0		
03/30/2020	21:24:16	1089	8.3	13.46	759.2		
03/30/2020	21:24:16	1097	8.3	13.46	759.3		
03/30/2020	21:24:16	1090	8.3	13.46	759.4		
03/30/2020	21:24:16	1103	8.3	13.46	759.6		
03/30/2020	21:24:16	1102	8.3	13.46	759.7		
03/30/2020	21:24:16	1100	8.3	13.45	759.8		
03/30/2020	21:24:16	1098	8.3	13.45	760.0		

Well			Field		Job Start	Customer	Job Number
Damore 18 5HZ			Wattenburg		Mar/30/2020	Anadarko	3145486
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/30/2020	21:24:16	1098	8.3	13.46	760.4		
03/30/2020	21:24:16	1081	8.3	13.46	760.5		
03/30/2020	21:24:16	1088	8.3	13.46	760.7		
03/30/2020	21:24:16	1091	8.3	13.46	760.8		
03/30/2020	21:24:16	1095	8.3	13.47	761.0		
03/30/2020	21:24:16	1088	8.3	13.47	761.1		
03/30/2020	21:24:16	1101	8.3	13.47	761.2		
03/30/2020	21:24:16	1112	8.3	13.47	761.4		
03/30/2020	21:24:16	1108	8.3	13.46	761.5		
03/30/2020	21:24:16	1099	8.3	13.46	761.6		
03/30/2020	21:24:16	1115	8.3	13.46	761.8		
03/30/2020	21:24:16	1105	8.3	13.46	761.9		
03/30/2020	21:24:16	1085	8.3	13.46	762.1		
03/30/2020	21:24:16	1088	8.3	13.46	762.2		
03/30/2020	21:24:16	1099	8.3	13.46	762.3		
03/30/2020	21:24:16	1104	8.3	13.46	762.5		
03/30/2020	21:24:16	1090	8.3	13.46	762.6		
03/30/2020	21:24:16	1110	8.3	13.46	762.7		
03/30/2020	21:24:16	1115	8.3	13.46	762.9		
03/30/2020	21:24:16	1107	8.3	13.46	763.0		
03/30/2020	21:24:16	1104	8.3	13.47	763.2		
03/30/2020	21:24:16	1117	8.3	13.47	763.3		
03/30/2020	21:24:16	1105	8.3	13.47	763.4		
03/30/2020	21:24:16	1093	8.3	13.47	763.6		
03/30/2020	21:24:16	1095	8.3	13.48	763.7		
03/30/2020	21:24:16	1106	8.3	13.48	763.9		
03/30/2020	21:24:16	1098	8.3	13.48	764.0		
03/30/2020	21:24:16	1096	8.3	13.48	764.1		
03/30/2020	21:24:16	1114	8.3	13.48	764.3		
03/30/2020	21:24:16	1118	8.3	13.48	764.4		
03/30/2020	21:24:16	1109	8.3	13.48	764.5		
03/30/2020	21:24:16	1106	8.3	13.48	764.7		
03/30/2020	21:24:16	1114	8.3	13.48	764.8		
03/30/2020	21:24:16	1109	8.3	13.48	765.0		
03/30/2020	21:24:16	1095	8.3	13.48	765.1		
03/30/2020	21:24:16	1094	8.3	13.48	765.2		
03/30/2020	21:24:16	1104	8.3	13.47	765.4		
03/30/2020	21:24:16	1104	8.3	13.47	765.5		
03/30/2020	21:24:16	1092	8.3	13.47	765.7		
03/30/2020	21:24:16	1098	8.3	13.47	765.8		
03/30/2020	21:24:16	1112	8.3	13.47	765.9		
03/30/2020	21:24:16	1105	8.3	13.46	766.1		
03/30/2020	21:24:16	1105	8.3	13.46	766.2		
03/30/2020	21:24:16	1111	8.3	13.46	766.3		
03/30/2020	21:24:16	1102	8.3	13.46	766.5		
03/30/2020	21:24:16	1086	8.3	13.46	766.6		
03/30/2020	21:24:16	1092	8.3	13.46	766.8		
03/30/2020	21:24:16	1099	8.3	13.46	766.9		
03/30/2020	21:24:16	1100	8.3	13.46	767.0		
03/30/2020	21:24:16	1086	8.3	13.47	767.2		
03/30/2020	21:24:16	1105	8.3	13.47	767.3		
03/30/2020	21:24:16	1106	8.3	13.47	767.4		
03/30/2020	21:24:16	1108	8.3	13.47	767.6		
03/30/2020	21:24:16	1099	8.3	13.47	767.7		

Well			Field		Job Start	Customer	Job Number
Damore 18 5HZ			Wattenburg		Mar/30/2020	Anadarko	3145486
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/30/2020	21:24:16	1104	8.3	13.48	768.0		
03/30/2020	21:24:16	1097	8.3	13.48	768.1		
03/30/2020	21:24:16	1089	8.3	13.48	768.3		
03/30/2020	21:24:16	1104	8.3	13.48	768.4		
03/30/2020	21:24:16	1108	8.3	13.49	768.6		
03/30/2020	21:24:16	1093	8.3	13.49	768.7		
03/30/2020	21:24:16	1112	8.3	13.49	768.8		
03/30/2020	21:24:16	1118	8.3	13.49	769.0		
03/30/2020	21:24:16	1111	8.3	13.49	769.2		
03/30/2020	21:24:16	1102	8.3	13.49	769.4		
03/30/2020	21:24:16	1118	8.3	13.49	769.5		
03/30/2020	21:24:16	1108	8.3	13.49	769.7		
03/30/2020	21:24:16	1096	8.3	13.49	769.8		
03/30/2020	21:24:16	1093	8.3	13.49	769.9		
03/30/2020	21:24:16	1106	8.3	13.49	770.1		
03/30/2020	21:24:16	1108	8.3	13.49	770.2		
03/30/2020	21:24:16	1094	8.3	13.49	770.4		
03/30/2020	21:24:16	1119	8.3	13.49	770.5		
03/30/2020	21:24:16	1116	8.3	13.49	770.6		
03/30/2020	21:24:16	1108	8.3	13.49	770.8		
03/30/2020	21:24:16	1106	8.3	13.49	770.9		
03/30/2020	21:24:16	1120	8.3	13.49	771.0		
03/30/2020	21:24:16	1107	8.3	13.49	771.2		
03/30/2020	21:24:16	1095	8.3	13.49	771.3		
03/30/2020	21:24:16	1097	8.3	13.50	771.5		
03/30/2020	21:24:16	1104	8.3	13.50	771.6		
03/30/2020	21:24:16	1112	8.3	13.50	771.7		
03/30/2020	21:24:16	1098	8.3	13.50	771.9		
03/30/2020	21:24:16	1108	8.3	13.50	772.0		
03/30/2020	21:24:16	1117	8.3	13.50	772.1		
03/30/2020	21:24:16	1119	8.3	13.50	772.3		
03/30/2020	21:24:16	1101	8.3	13.50	772.4		
03/30/2020	21:24:16	1123	8.3	13.50	772.6		
03/30/2020	21:24:16	1112	8.3	13.50	772.7		
03/30/2020	21:24:16	1095	8.3	13.50	772.8		
03/30/2020	21:24:16	1097	8.3	13.50	773.0		
03/30/2020	21:24:16	1109	8.3	13.50	773.1		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 759.0	Mud	Spacer 120.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final 0	Average	Bump Plug to 3000	Breakdown	Type FreshWater	Volume 473.0 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 759.0 bbl	Displacement 473.0 bbl	Mix Water Temp 75 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl	
					Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Steve Martinez			Schlumberger Supervisor Jermarco Arrington / Sheldon Bell			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	