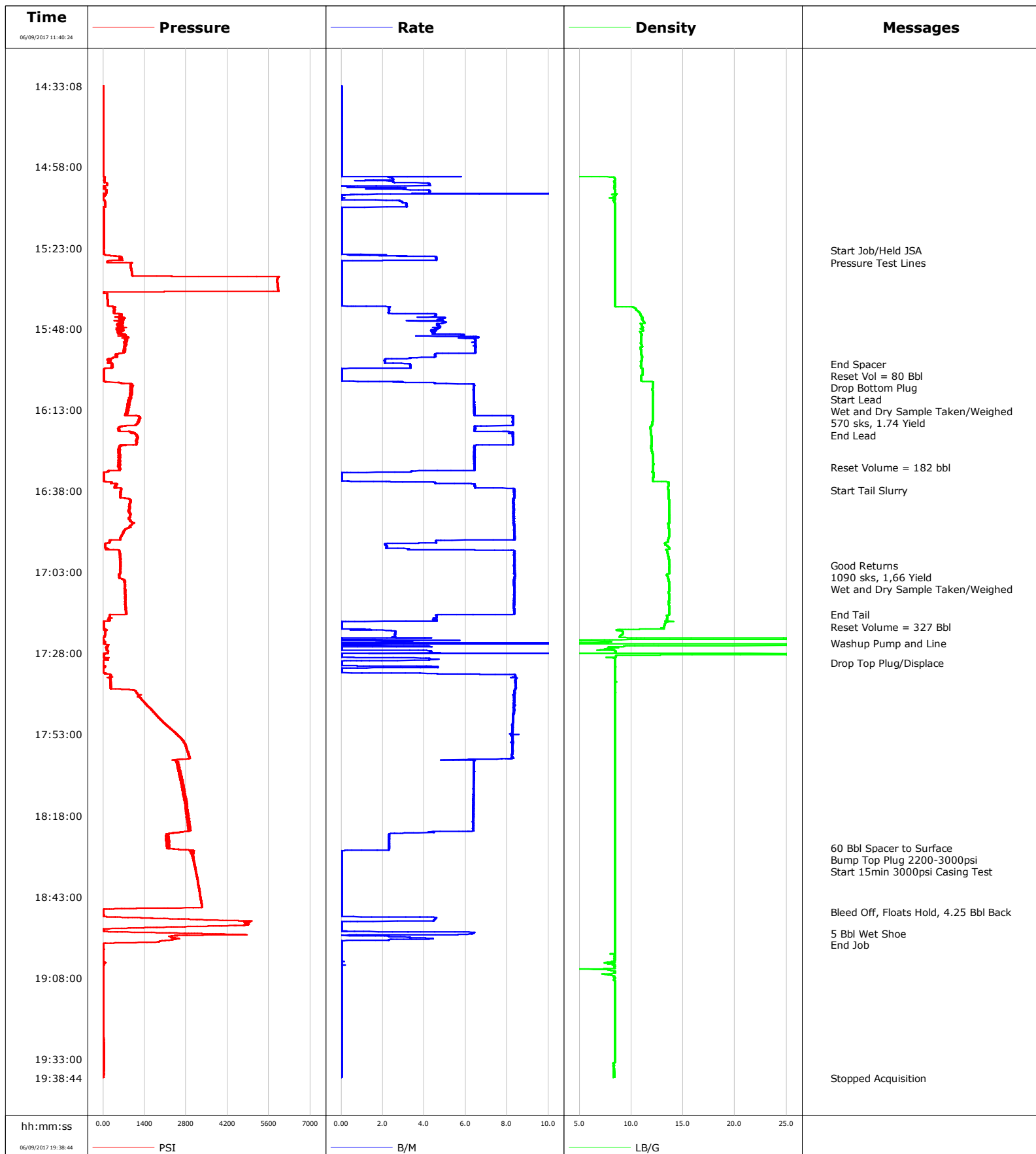


**Well** Butterball 12N-34HZ  
**Field** Wattenberg  
**Engineer** R Drilling/K Sovereign  
**Country** United States

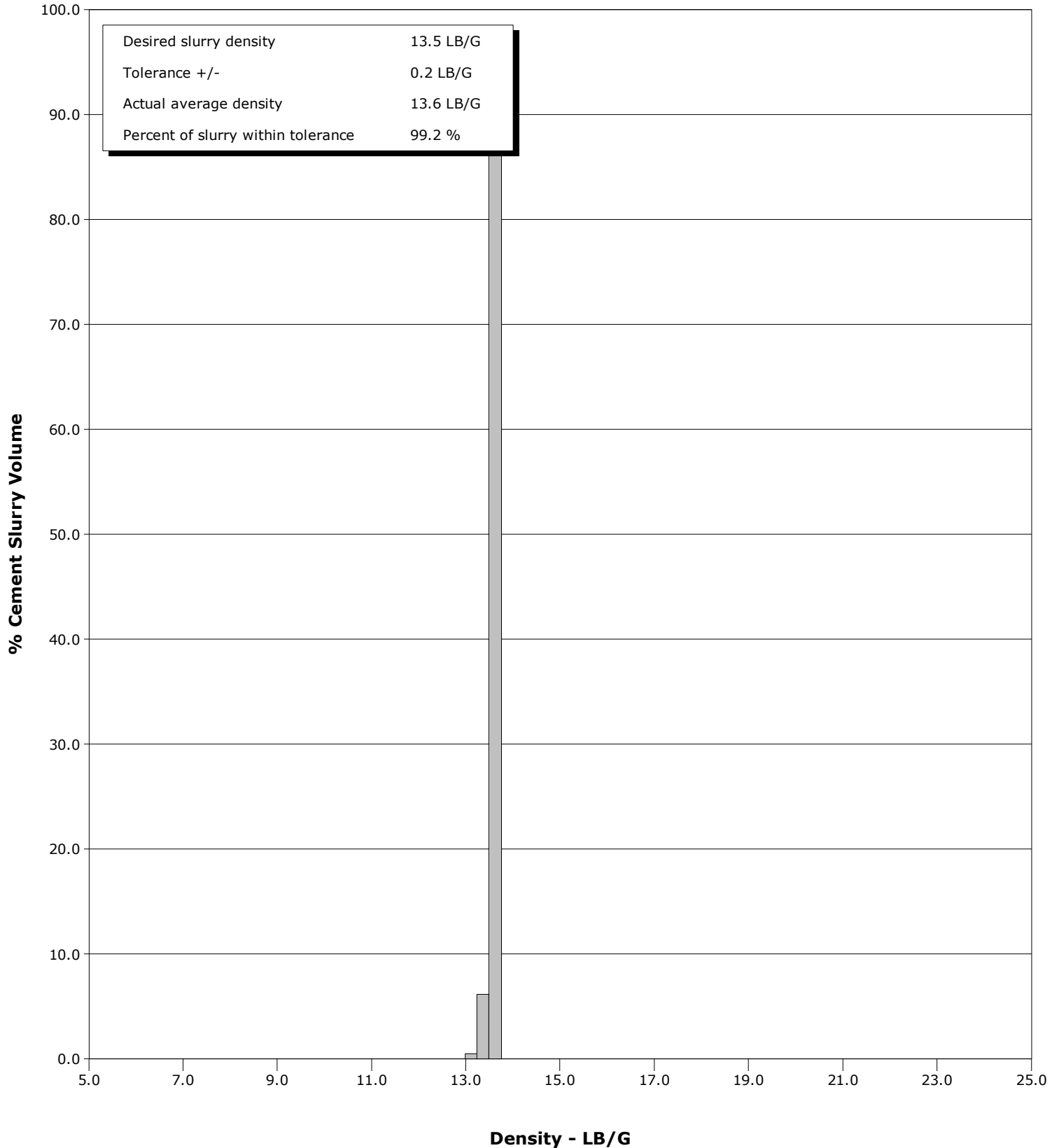
**Client** Anadarko  
**SIR No.** DMBW-01052  
**Job Type** 5.5" Production  
**Job Date** 06-09-2017



**Well** Butterball 12N-34HZ  
**Field** Wattenberg  
**Engineer** R Drilling/K Sovereign  
**Country** United States

**Client** Anadarko  
**SIR No.** DMBW-01052  
**Job Type** 5.5" Production  
**Job Date** 06-09-2017

Cement Slurry - 06/09/2017 16:38:25 to 06/09/2017 17:12:35



# Cementing Service Report

					Customer Anadarko			Job Number DMBW-01052	
Well Butterball 12N-34HZ			Location (legal) CWY			Schlumberger Location CWY		Job Start Jun/09/2017	
Field Wattenberg		Formation Name/Type Shale		Deviation 90 deg		Bit Size 7.9 in		Well MD 15881.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 227 degF		BHCT 226 degF	
Well Master 0631711639		API/UWI						Pore Press. Gradient lb/gal	
Rig Name Precision 564		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		1873.0		9.6	
						15881.0		5.5	
						36.0		j55	
						17.0		p110	
Drilling Fluid Type		Max. Density 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	
						ft		ft	
						Diameter in			
						Treat Down Casing		Displacement 369.0 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 2200 psi						Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 15881.0 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 Jun/09/2017 07:30		Arrived on Location Jun/09/2017 07:30		Leave Location Jun/09/2017 20:00		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 15872.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
06/09/2017	11:40:24	-1	0.0	0.00	0.0	0			
06/09/2017	11:41:24	-2	0.0	0.00	0.0	0			
06/09/2017	11:42:24	-4	0.0	0.00	0.0	0			
06/09/2017	11:43:24	-5	0.0	0.00	0.0	0			
06/09/2017	11:44:24	-5	0.0	0.00	0.0	0			
06/09/2017	11:45:24	-7	0.0	0.00	0.0	0			
06/09/2017	11:46:24	2	0.0	0.00	0.0	0			
06/09/2017	11:47:24	2	0.0	0.00	0.0	0			
06/09/2017	11:48:24	1	0.0	0.00	0.0	0			
06/09/2017	11:49:24	2	0.0	0.00	0.0	0			
06/09/2017	11:50:24	3	0.0	0.00	0.0	0			
06/09/2017	11:51:24	2	0.0	0.00	0.0	0			
06/09/2017	11:52:24	3	0.0	0.00	0.0	0			
06/09/2017	11:53:24	3	0.0	0.00	0.0	0			
06/09/2017	11:55:24	4	0.0	0.00	0.0	0			
06/09/2017	11:56:24	3	0.0	0.00	0.0	0			
06/09/2017	11:57:24	4	0.0	0.00	0.0	0			
06/09/2017	11:58:24	4	0.0	0.00	0.0	0			
06/09/2017	11:59:24	5	0.0	0.00	0.0	0			
06/09/2017	12:00:24	4	0.0	0.00	0.0	0			
06/09/2017	12:01:24	5	0.0	0.00	0.0	0			

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	12:03:24	4	0.0	0.00	0.0	0		
06/09/2017	12:04:24	3	0.0	0.00	0.0	0		
06/09/2017	12:05:24	4	0.0	0.00	0.0	0		
06/09/2017	12:06:24	4	0.0	0.00	0.0	0		
06/09/2017	12:07:24	5	0.0	0.00	0.0	0		
06/09/2017	12:08:24	5	0.0	0.00	0.0	0		
06/09/2017	12:09:24	5	0.0	0.01	0.0	0		
06/09/2017	12:10:24	5	0.0	0.00	0.0	0		
06/09/2017	12:11:24	5	0.0	0.00	0.0	0		
06/09/2017	12:12:24	5	0.0	0.00	0.0	0		
06/09/2017	12:13:24	5	0.0	0.00	0.0	0		
06/09/2017	12:14:24	5	0.0	0.00	0.0	0		
06/09/2017	12:15:24	6	0.0	0.00	0.0	0		
06/09/2017	12:16:24	5	0.0	0.00	0.0	0		
06/09/2017	12:17:24	5	0.0	0.00	0.0	0		
06/09/2017	12:18:24	6	0.0	0.00	0.0	0		
06/09/2017	12:19:24	5	0.0	0.00	0.0	0		
06/09/2017	12:20:24	6	0.0	0.00	0.0	0		
06/09/2017	12:21:24	5	0.0	0.00	0.0	0		
06/09/2017	12:22:24	5	0.0	0.00	0.0	0		
06/09/2017	12:23:24	5	0.0	0.00	0.0	0		
06/09/2017	12:24:24	6	0.0	0.00	0.0	0		
06/09/2017	12:25:24	6	0.0	0.00	0.0	0		
06/09/2017	12:26:24	6	0.0	0.00	0.0	0		
06/09/2017	12:27:24	7	0.0	0.00	0.0	0		
06/09/2017	12:28:24	7	0.0	0.00	0.0	0		
06/09/2017	12:29:24	7	0.0	0.01	0.0	0		
06/09/2017	12:30:24	7	0.0	0.00	0.0	0		
06/09/2017	12:31:24	7	0.0	0.00	0.0	0		
06/09/2017	12:32:24	7	0.0	0.00	0.0	0		
06/09/2017	12:33:24	7	0.0	0.00	0.0	0		
06/09/2017	12:34:24	7	0.0	0.00	0.0	0		
06/09/2017	12:35:24	7	0.0	0.00	0.0	0		
06/09/2017	12:36:24	7	0.0	0.00	0.0	0		
06/09/2017	12:37:24	7	0.0	0.00	0.0	0		
06/09/2017	12:38:24	7	0.0	0.00	0.0	0		
06/09/2017	12:39:24	7	0.0	0.00	0.0	0		
06/09/2017	12:40:24	7	0.0	0.00	0.0	0		
06/09/2017	12:41:24	8	0.0	0.01	0.0	0		
06/09/2017	12:42:24	7	0.0	0.00	0.0	0		
06/09/2017	12:43:24	8	0.0	0.00	0.0	0		
06/09/2017	12:44:24	8	0.0	0.00	0.0	0		
06/09/2017	12:45:24	8	0.0	0.00	0.0	0		
06/09/2017	12:46:24	8	0.0	0.00	0.0	0		
06/09/2017	12:47:24	8	0.0	0.00	0.0	0		
06/09/2017	12:48:24	8	0.0	0.00	0.0	0		
06/09/2017	12:49:24	8	0.0	0.00	0.0	0		
06/09/2017	12:50:24	9	0.0	0.00	0.0	0		
06/09/2017	12:51:24	9	0.0	0.00	0.0	0		
06/09/2017	12:52:24	9	0.0	0.00	0.0	0		
06/09/2017	12:53:24	9	0.0	0.00	0.0	0		
06/09/2017	12:54:24	9	0.0	0.00	0.0	0		
06/09/2017	12:55:24	9	0.0	0.01	0.0	0		
06/09/2017	12:56:24	8	0.0	0.01	0.0	0		

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	12:58:24	9	0.0	0.01	0.0	0		
06/09/2017	12:59:24	9	0.0	0.00	0.0	0		
06/09/2017	13:00:24	9	0.0	0.00	0.0	0		
06/09/2017	13:01:24	9	0.0	0.01	0.0	0		
06/09/2017	13:02:24	9	0.0	0.00	0.0	0		
06/09/2017	13:03:24	9	0.0	0.00	0.0	0		
06/09/2017	13:04:24	9	0.0	0.00	0.0	0		
06/09/2017	13:05:24	9	0.0	0.00	0.0	0		
06/09/2017	13:06:24	8	0.0	0.00	0.0	0		
06/09/2017	13:07:24	9	0.0	0.01	0.0	0		
06/09/2017	13:08:24	9	0.0	0.01	0.0	0		
06/09/2017	13:09:24	9	0.0	0.00	0.0	0		
06/09/2017	13:10:24	9	0.0	0.00	0.0	0		
06/09/2017	13:11:24	8	0.0	0.00	0.0	0		
06/09/2017	13:12:24	8	0.0	0.00	0.0	0		
06/09/2017	13:13:24	8	0.0	0.00	0.0	0		
06/09/2017	13:14:24	9	0.0	0.00	0.0	0		
06/09/2017	13:15:24	9	0.0	0.00	0.0	0		
06/09/2017	13:16:24	8	0.0	0.01	0.0	0		
06/09/2017	13:17:24	9	0.0	0.00	0.0	0		
06/09/2017	13:18:24	8	0.0	0.00	0.0	0		
06/09/2017	13:19:24	8	0.0	0.00	0.0	0		
06/09/2017	13:20:24	8	0.0	0.00	0.0	0		
06/09/2017	13:21:24	8	0.0	0.00	0.0	0		
06/09/2017	13:22:24	8	0.0	0.00	0.0	0		
06/09/2017	13:23:24	8	0.0	0.01	0.0	0		
06/09/2017	13:24:24	8	0.0	0.01	0.0	0		
06/09/2017	13:25:24	8	0.0	0.00	0.0	0		
06/09/2017	13:26:24	8	0.0	0.00	0.0	0		
06/09/2017	13:27:24	9	0.0	0.00	0.0	0		
06/09/2017	13:28:24	9	0.0	0.01	0.0	0		
06/09/2017	13:29:24	8	0.0	0.00	0.0	0		
06/09/2017	13:30:24	8	0.0	0.00	0.0	0		
06/09/2017	13:31:24	8	0.0	0.01	0.0	0		
06/09/2017	13:32:24	8	0.0	0.00	0.0	0		
06/09/2017	13:33:24	8	0.0	0.00	0.0	0		
06/09/2017	13:34:24	8	0.0	0.00	0.0	0		
06/09/2017	13:35:24	8	0.0	0.01	0.0	0		
06/09/2017	13:36:24	8	0.0	0.01	0.0	0		
06/09/2017	13:37:24	8	0.0	0.00	0.0	0		
06/09/2017	13:38:24	7	0.0	0.01	0.0	0		
06/09/2017	13:39:24	8	0.0	0.01	0.0	0		
06/09/2017	13:40:24	8	0.0	0.00	0.0	0		
06/09/2017	13:41:24	8	0.0	0.01	0.0	0		
06/09/2017	13:42:24	7	0.0	0.00	0.0	0		
06/09/2017	13:43:24	8	0.0	0.00	0.0	0		
06/09/2017	13:44:24	8	0.0	0.01	0.0	0		
06/09/2017	13:45:24	9	0.0	0.00	0.0	0		
06/09/2017	13:46:24	9	0.0	0.00	0.0	0		
06/09/2017	13:47:24	9	0.0	0.00	0.0	0		
06/09/2017	13:48:24	8	0.0	0.00	0.0	0		
06/09/2017	13:49:24	9	0.0	0.00	0.0	0		
06/09/2017	13:50:24	9	0.0	0.00	0.0	0		
06/09/2017	13:51:24	9	0.0	0.00	0.0	0		

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	13:53:24	9	0.0	0.00	0.0	0		
06/09/2017	13:54:24	9	0.0	0.00	0.0	0		
06/09/2017	13:55:24	9	0.0	0.00	0.0	0		
06/09/2017	13:56:24	9	0.0	0.00	0.0	0		
06/09/2017	13:57:24	10	0.0	0.00	0.0	0		
06/09/2017	13:58:24	10	0.0	0.00	0.0	0		
06/09/2017	13:59:24	10	0.0	0.00	0.0	0		
06/09/2017	14:00:24	11	0.0	0.01	0.0	0		
06/09/2017	14:01:24	10	0.0	0.00	0.0	0		
06/09/2017	14:02:24	8	0.0	0.00	0.0	0		
06/09/2017	14:03:24	7	0.0	0.01	0.0	0		
06/09/2017	14:04:24	5	0.0	0.00	0.0	0		
06/09/2017	14:05:24	5	0.0	0.00	0.0	0		
06/09/2017	14:06:24	4	0.0	0.00	0.0	0		
06/09/2017	14:07:24	5	0.0	0.00	0.0	0		
06/09/2017	14:08:24	7	0.0	0.00	0.0	0		
06/09/2017	14:09:24	7	0.0	0.01	0.0	0		
06/09/2017	14:10:24	6	0.0	0.00	0.0	0		
06/09/2017	14:11:24	7	0.0	0.00	0.0	0		
06/09/2017	14:12:24	6	0.0	0.01	0.0	0		
06/09/2017	14:13:24	7	0.0	0.00	0.0	0		
06/09/2017	14:14:24	7	0.0	0.00	0.0	0		
06/09/2017	14:15:24	8	0.0	0.00	0.0	0		
06/09/2017	14:16:24	7	0.0	0.00	0.0	0		
06/09/2017	14:17:24	7	0.0	0.00	0.0	0		
06/09/2017	14:18:24	6	0.0	0.01	0.0	0		
06/09/2017	14:19:24	6	0.0	0.01	0.0	0		
06/09/2017	14:20:24	6	0.0	0.00	0.0	0		
06/09/2017	14:21:24	6	0.0	0.00	0.0	0		
06/09/2017	14:22:24	5	0.0	0.01	0.0	0		
06/09/2017	14:23:24	5	0.0	0.01	0.0	0		
06/09/2017	14:24:24	5	0.0	0.01	0.0	0		
06/09/2017	14:25:24	5	0.0	0.00	0.0	0		
06/09/2017	14:26:24	5	0.0	0.00	0.0	0		
06/09/2017	14:27:24	5	0.0	0.00	0.0	0		
06/09/2017	14:28:24	6	0.0	0.01	0.0	0		
06/09/2017	14:29:24	7	0.0	0.00	0.0	0		
06/09/2017	14:30:24	6	0.0	0.01	0.0	0		
06/09/2017	14:31:24	6	0.0	0.01	0.0	0		
06/09/2017	14:32:24	5	0.0	0.00	0.0	0		
06/09/2017	14:33:24	5	0.0	0.01	0.0	0		
06/09/2017	14:34:24	5	0.0	0.00	0.0	0		
06/09/2017	14:35:24	5	0.0	0.00	0.0	0		
06/09/2017	14:36:24	7	0.0	0.01	0.0	0		
06/09/2017	14:37:24	6	0.0	0.00	0.0	0		
06/09/2017	14:38:24	6	0.0	0.01	0.0	0		
06/09/2017	14:39:24	6	0.0	0.00	0.0	0		
06/09/2017	14:40:24	5	0.0	0.00	0.0	0		
06/09/2017	14:41:24	4	0.0	0.00	0.0	0		
06/09/2017	14:42:24	4	0.0	0.00	0.0	0		
06/09/2017	14:43:24	4	0.0	0.01	0.0	0		
06/09/2017	14:44:24	4	0.0	0.00	0.0	0		
06/09/2017	14:45:24	3	0.0	0.01	0.0	0		
06/09/2017	14:46:24	4	0.0	0.00	0.0	0		

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	14:48:24	4	0.0	0.00	0.0	0		
06/09/2017	14:49:24	4	0.0	0.00	0.0	0		
06/09/2017	14:50:24	4	0.0	0.00	0.0	0		
06/09/2017	14:51:24	4	0.0	0.00	0.0	0		
06/09/2017	14:52:24	5	0.0	0.00	0.0	0		
06/09/2017	14:53:24	4	0.0	0.00	0.0	0		
06/09/2017	14:54:24	4	0.0	0.00	0.0	0		
06/09/2017	14:55:24	3	0.0	0.00	0.0	0		
06/09/2017	14:56:24	4	0.0	0.01	0.0	0		
06/09/2017	14:57:24	6	0.0	0.00	0.0	0		
06/09/2017	14:58:24	6	0.0	0.01	0.0	0		
06/09/2017	14:59:24	6	0.0	0.01	0.0	0		
06/09/2017	15:00:24	3	0.0	0.00	0.0	0		
06/09/2017	15:01:24	49	2.4	8.35	0.9	0		
06/09/2017	15:02:24	48	2.2	8.36	3.1	0		
06/09/2017	15:03:24	128	4.2	8.40	6.3	0		
06/09/2017	15:04:24	19	0.3	8.43	8.9	0		
06/09/2017	15:05:24	103	4.3	8.40	11.8	0		
06/09/2017	15:06:24	1	16.9	8.44	16.2	0		
06/09/2017	15:07:24	-10	0.0	8.28	17.7	0		
06/09/2017	15:08:24	42	2.5	8.26	17.8	0		
06/09/2017	15:09:24	67	3.1	8.40	20.7	0		
06/09/2017	15:10:24	71	3.2	8.40	23.9	0		
06/09/2017	15:11:24	17	0.0	8.41	24.2	0		
06/09/2017	15:12:24	19	0.0	8.41	24.2	0		
06/09/2017	15:13:24	19	0.0	8.41	24.2	0		
06/09/2017	15:14:24	19	0.0	8.41	24.2	0		
06/09/2017	15:15:24	19	0.0	8.41	24.2	0		
06/09/2017	15:16:24	19	0.0	8.41	24.2	0		
06/09/2017	15:17:24	19	0.0	8.41	24.2	0		
06/09/2017	15:18:24	20	0.0	8.41	24.2	0		
06/09/2017	15:19:24	19	0.0	8.41	24.2	0		
06/09/2017	15:20:24	19	0.0	8.41	24.2	0		
06/09/2017	15:21:24	19	0.0	8.41	24.2	0		
06/09/2017	15:22:24	20	0.0	8.41	24.2	0		
06/09/2017	15:23:24	13	0.0	8.41	24.2	0		
06/09/2017	15:23:50	17	0.0	8.41	24.2	0	Start Job/Held JSA	
06/09/2017	15:24:24	18	0.0	8.41	24.2	0		
06/09/2017	15:24:50	20	0.0	8.41	24.2	0	Pressure Test Lines	
06/09/2017	15:25:24	239	1.9	8.40	0.3	0		
06/09/2017	15:26:24	621	4.6	8.41	4.3	0		
06/09/2017	15:27:24	142	0.0	8.41	7.0	0		
06/09/2017	15:28:24	924	0.0	8.41	7.0	0		
06/09/2017	15:29:24	940	0.0	8.41	7.0	0		
06/09/2017	15:30:24	961	0.0	8.41	7.0	0		
06/09/2017	15:31:24	982	0.0	8.41	7.0	0		
06/09/2017	15:32:24	5886	0.0	8.41	7.0	0		
06/09/2017	15:33:24	5876	0.0	8.40	7.0	0		
06/09/2017	15:34:24	5885	0.0	8.40	7.0	0		
06/09/2017	15:35:24	5900	0.0	8.41	7.0	0		
06/09/2017	15:36:24	5917	0.0	8.40	7.0	0		
06/09/2017	15:37:24	140	0.0	8.40	7.0	0		
06/09/2017	15:38:24	148	0.0	8.40	0.0	0		
06/09/2017	15:39:24	152	0.0	8.40	0.0	0		

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	15:41:24	415	2.3	10.23	0.7	0		
06/09/2017	15:42:24	356	2.3	10.57	3.0	0		
06/09/2017	15:43:24	512	4.4	10.87	5.4	0		
06/09/2017	15:44:24	679	4.5	11.04	9.9	0		
06/09/2017	15:45:24	656	4.9	11.10	14.8	0		
06/09/2017	15:46:24	583	4.8	10.87	19.5	0		
06/09/2017	15:47:24	523	4.7	11.08	24.2	0		
06/09/2017	15:48:24	462	4.4	11.12	28.8	0		
06/09/2017	15:49:24	538	4.4	10.93	33.3	0		
06/09/2017	15:50:24	748	6.5	10.97	38.6	0		
06/09/2017	15:51:24	788	6.5	10.95	45.0	0		
06/09/2017	15:52:24	760	6.5	10.91	51.5	0		
06/09/2017	15:53:24	707	6.5	11.03	57.9	0		
06/09/2017	15:54:24	708	6.5	10.93	64.4	0		
06/09/2017	15:55:24	694	6.5	10.96	70.8	0		
06/09/2017	15:56:24	440	4.5	11.03	75.7	0		
06/09/2017	15:57:24	143	2.1	11.02	79.3	0		
06/09/2017	15:58:24	174	2.1	10.95	81.4	24		
06/09/2017	15:58:50	301	3.3	10.95	82.5	42	End Spacer	
06/09/2017	15:58:51	301	3.3	10.95	82.6	43	Reset Vol = 80 Bbl	
06/09/2017	15:59:24	296	3.3	10.94	84.4	57		
06/09/2017	16:00:24	32	0.0	11.12	0.0	0		
06/09/2017	16:01:24	20	0.0	11.10	0.0	0		
06/09/2017	16:02:24	18	0.0	10.97	0.0	0		
06/09/2017	16:03:24	19	0.0	10.95	0.0	0		
06/09/2017	16:04:24	81	2.8	12.10	0.5	22		
06/09/2017	16:04:50	686	4.5	12.10	2.2	22	Drop Bottom Plug	
06/09/2017	16:05:24	968	6.4	12.07	5.6	22		
06/09/2017	16:06:21	969	6.4	12.04	11.7	22	Start Lead	
06/09/2017	16:06:24	951	6.4	12.04	12.0	22		
06/09/2017	16:06:50	972	6.4	12.03	14.8	22	Wet and Dry Sample Taken/Weighed	
06/09/2017	16:07:24	918	6.4	12.06	18.4	22		
06/09/2017	16:07:50	924	6.4	12.09	21.1	22	570 sks, 1.74 Yield	
06/09/2017	16:08:24	907	6.4	12.09	24.8	22		
06/09/2017	16:09:24	930	6.4	12.06	31.2	22		
06/09/2017	16:09:50	898	6.4	12.06	33.9	22	End Lead	
06/09/2017	16:10:24	913	6.4	12.06	37.6	22		
06/09/2017	16:11:24	900	6.4	12.06	44.0	22		
06/09/2017	16:12:24	805	6.4	12.07	50.4	22		
06/09/2017	16:13:24	812	6.4	12.07	56.8	22		
06/09/2017	16:14:24	804	6.4	12.06	63.2	22		
06/09/2017	16:15:24	1243	8.2	12.06	70.8	22		
06/09/2017	16:16:24	1214	8.3	12.06	79.1	22		
06/09/2017	16:17:24	1161	8.3	12.02	87.4	22		
06/09/2017	16:18:24	568	6.4	11.84	94.7	22		
06/09/2017	16:19:24	555	6.4	11.87	101.2	22		
06/09/2017	16:20:24	1097	8.3	11.87	109.0	22		
06/09/2017	16:21:24	1171	8.3	11.98	117.3	22		
06/09/2017	16:22:24	1114	8.3	11.96	125.6	22		
06/09/2017	16:23:24	1138	8.3	11.97	133.8	22		
06/09/2017	16:24:24	544	6.4	11.94	141.0	22		
06/09/2017	16:25:24	553	6.4	11.97	147.4	22		
06/09/2017	16:26:24	525	6.4	12.04	153.8	22		
06/09/2017	16:27:24	519	6.4	12.10	160.3	22		



Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	16:29:24	560	6.4	12.12	173.1	22		
06/09/2017	16:30:24	559	6.4	12.09	179.5	22		
06/09/2017	16:30:50	542	6.4	12.11	182.3	32	Reset Volume = 182 bbl	
06/09/2017	16:31:24	564	6.4	12.11	185.9	73		
06/09/2017	16:32:24	20	0.0	12.16	189.8	0		
06/09/2017	16:33:24	17	0.0	12.13	189.8	0		
06/09/2017	16:34:24	20	0.0	12.05	189.8	0		
06/09/2017	16:35:24	281	4.5	13.58	191.1	31		
06/09/2017	16:36:24	458	6.4	13.57	196.9	37		
06/09/2017	16:37:24	604	8.3	13.56	203.9	37		
06/09/2017	16:37:50	605	8.3	13.57	207.5	37	Start Tail Slurry	
06/09/2017	16:38:24	589	8.3	13.57	212.2	37		
06/09/2017	16:39:24	589	8.4	13.59	220.6	37		
06/09/2017	16:40:24	860	8.3	13.61	228.9	37		
06/09/2017	16:41:24	917	8.3	13.62	237.2	37		
06/09/2017	16:42:24	881	8.3	13.64	245.5	37		
06/09/2017	16:43:24	872	8.3	13.65	253.8	37		
06/09/2017	16:44:24	861	8.3	13.65	262.1	37		
06/09/2017	16:45:24	936	8.3	13.66	270.5	37		
06/09/2017	16:46:24	872	8.3	13.66	278.8	37		
06/09/2017	16:47:24	935	8.3	13.66	287.1	37		
06/09/2017	16:48:24	962	8.3	13.58	295.4	37		
06/09/2017	16:49:24	848	8.3	13.61	303.7	37		
06/09/2017	16:50:24	691	8.3	13.63	312.1	37		
06/09/2017	16:51:24	656	8.3	13.63	320.4	37		
06/09/2017	16:52:24	586	8.4	13.57	328.8	37		
06/09/2017	16:53:24	243	4.6	13.56	336.1	37		
06/09/2017	16:54:24	76	2.1	13.24	339.9	37		
06/09/2017	16:55:24	82	2.2	13.61	342.1	0		
06/09/2017	16:56:24	540	8.4	13.44	346.2	12		
06/09/2017	16:57:24	558	8.3	13.52	354.5	32		
06/09/2017	16:58:24	576	8.3	13.58	362.8	37		
06/09/2017	16:59:24	590	8.3	13.63	371.2	37		
06/09/2017	17:00:24	591	8.3	13.66	379.5	37		
06/09/2017	17:00:50	597	8.3	13.67	383.1	38	Good Returns	
06/09/2017	17:01:24	587	8.4	13.66	387.9	37		
06/09/2017	17:02:24	576	8.4	13.66	396.2	38		
06/09/2017	17:03:24	573	8.3	13.66	404.6	38		
06/09/2017	17:04:24	558	8.4	13.52	412.9	38		
06/09/2017	17:05:24	720	8.3	13.59	421.3	38		
06/09/2017	17:06:24	751	8.3	13.65	429.6	38		
06/09/2017	17:07:24	754	8.3	13.66	437.9	38		
06/09/2017	17:08:24	739	8.3	13.67	446.3	38		
06/09/2017	17:09:24	738	8.3	13.61	454.6	38		
06/09/2017	17:10:24	746	8.3	13.62	463.0	38		
06/09/2017	17:11:24	754	8.3	13.64	471.3	38		
06/09/2017	17:12:24	748	8.3	13.62	479.6	38		
06/09/2017	17:13:24	748	8.3	13.64	487.9	38		
06/09/2017	17:14:24	771	8.3	13.64	496.3	38		
06/09/2017	17:15:24	778	8.3	13.65	504.6	38		
06/09/2017	17:16:00	744	8.3	13.66	509.6	38	End Tail	
06/09/2017	17:16:24	226	4.6	13.41	511.7	35		
06/09/2017	17:16:50	223	4.6	13.48	513.7	61	Reset Volume = 327 Bbl	
06/09/2017	17:17:24	195	4.6	13.42	516.2	79		

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	17:19:24	25	0.0	13.19	519.6	0		
06/09/2017	17:20:24	25	0.0	13.03	519.6	0		
06/09/2017	17:21:24	79	2.6	9.18	521.3	79		
06/09/2017	17:22:24	64	2.6	9.04	523.9	79		
06/09/2017	17:23:24	-31	0.0	25.00	526.2	79		
06/09/2017	17:24:24	64	2.5	8.04	527.5	79		
06/09/2017	17:24:50	16	15.6	1.42	528.5	79	Washup Pump and Line	
06/09/2017	17:25:24	154	0.0	25.00	530.2	0		
06/09/2017	17:26:24	131	0.0	7.79	531.7	0		
06/09/2017	17:27:24	169	4.3	8.51	533.1	0		
06/09/2017	17:28:24	36	0.0	25.00	535.8	0		
06/09/2017	17:29:24	117	2.9	8.22	536.1	0		
06/09/2017	17:30:24	-14	0.0	8.41	539.6	0		
06/09/2017	17:30:50	2	0.0	8.41	539.6	0	Drop Top Plug/Displace	
06/09/2017	17:31:24	7	0.0	8.41	539.6	0		
06/09/2017	17:32:24	2	3.8	8.43	541.7	0		
06/09/2017	17:33:24	7	0.0	8.44	542.1	0		
06/09/2017	17:34:24	138	6.0	8.43	543.5	0		
06/09/2017	17:35:24	141	8.2	8.44	551.7	0		
06/09/2017	17:36:24	244	8.4	8.44	560.1	0		
06/09/2017	17:37:24	257	8.4	8.43	568.5	0		
06/09/2017	17:38:24	251	8.4	8.43	576.9	0		
06/09/2017	17:39:24	1055	8.4	8.42	585.3	0		
06/09/2017	17:40:24	1162	8.4	8.42	593.7	0		
06/09/2017	17:41:24	1216	8.3	8.42	602.0	0		
06/09/2017	17:42:24	1334	8.3	8.42	610.3	0		
06/09/2017	17:43:24	1412	8.3	8.42	618.7	0		
06/09/2017	17:44:24	1516	8.3	8.42	627.0	0		
06/09/2017	17:45:24	1637	8.3	8.42	635.3	0		
06/09/2017	17:46:24	1744	8.3	8.42	643.6	0		
06/09/2017	17:47:24	1843	8.3	8.42	651.9	0		
06/09/2017	17:48:24	1937	8.3	8.42	660.2	0		
06/09/2017	17:49:24	2038	8.3	8.42	668.5	0		
06/09/2017	17:50:24	2185	8.2	8.42	676.8	0		
06/09/2017	17:51:24	2307	8.2	8.42	685.0	0		
06/09/2017	17:52:24	2434	8.2	8.42	693.3	0		
06/09/2017	17:53:24	2551	8.2	8.42	701.5	0		
06/09/2017	17:54:24	2643	8.2	8.42	709.8	0		
06/09/2017	17:55:24	2735	8.2	8.42	718.0	0		
06/09/2017	17:56:24	2795	8.3	8.42	726.3	0		
06/09/2017	17:57:24	2828	8.2	8.42	734.5	0		
06/09/2017	17:58:24	2850	8.2	8.42	742.8	0		
06/09/2017	17:59:24	2879	8.2	8.42	751.0	0		
06/09/2017	18:00:24	2928	8.0	8.42	759.3	0		
06/09/2017	18:01:24	2494	6.4	8.42	765.8	0		
06/09/2017	18:02:24	2542	6.4	8.42	772.2	0		
06/09/2017	18:03:24	2578	6.4	8.41	778.6	0		
06/09/2017	18:04:24	2541	6.4	8.41	785.0	0		
06/09/2017	18:05:24	2631	6.4	8.42	791.4	0		
06/09/2017	18:06:24	2637	6.4	8.42	797.7	0		
06/09/2017	18:07:24	2673	6.4	8.42	804.1	0		
06/09/2017	18:08:24	2646	6.4	8.42	810.5	0		
06/09/2017	18:09:24	2715	6.4	8.42	816.9	0		
06/09/2017	18:10:24	2733	6.4	8.42	823.3	0		

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	18:12:24	2731	6.4	8.42	836.0	0		
06/09/2017	18:13:24	2796	6.4	8.42	842.4	0		
06/09/2017	18:14:24	2787	6.4	8.42	848.7	0		
06/09/2017	18:15:24	2827	6.4	8.42	855.1	0		
06/09/2017	18:16:24	2800	6.4	8.42	861.5	0		
06/09/2017	18:17:24	2864	6.4	8.42	867.8	0		
06/09/2017	18:18:24	2866	6.4	8.42	874.2	0		
06/09/2017	18:19:24	2884	6.4	8.42	880.6	0		
06/09/2017	18:20:24	2856	6.4	8.42	886.9	0		
06/09/2017	18:21:24	2870	6.4	8.42	893.3	0		
06/09/2017	18:22:24	2921	6.4	8.42	899.6	0		
06/09/2017	18:23:24	2376	3.0	8.42	904.9	0		
06/09/2017	18:24:24	2116	2.3	8.42	907.3	0		
06/09/2017	18:25:24	2121	2.3	8.42	909.6	0		
06/09/2017	18:26:24	2214	2.3	8.42	911.9	0		
06/09/2017	18:27:24	2196	2.3	8.42	914.2	0		
06/09/2017	18:27:58	2185	2.3	8.42	915.5	0	60 Bbl Spacer to Surface	
06/09/2017	18:28:24	2539	2.3	8.42	916.5	0		
06/09/2017	18:29:24	3065	0.0	8.42	917.1	0		
06/09/2017	18:29:50	3050	0.0	8.42	917.1	0	Bump Top Plug 2200-3000psi	
06/09/2017	18:30:13	3007	0.0	8.42	917.1	0	Start 15min 3000psi Casing Test	
06/09/2017	18:30:24	3044	0.0	8.42	917.1	0		
06/09/2017	18:31:24	3039	0.0	8.42	917.1	0		
06/09/2017	18:32:24	3061	0.0	8.42	917.1	0		
06/09/2017	18:33:24	3086	0.0	8.42	917.1	0		
06/09/2017	18:34:24	3111	0.0	8.42	917.1	0		
06/09/2017	18:35:24	3133	0.0	8.42	917.1	0		
06/09/2017	18:36:24	3156	0.0	8.42	917.1	0		
06/09/2017	18:37:24	3177	0.0	8.42	917.1	0		
06/09/2017	18:38:24	3196	0.0	8.42	917.1	0		
06/09/2017	18:39:24	3215	0.0	8.42	917.1	0		
06/09/2017	18:40:24	3234	0.0	8.42	917.1	0		
06/09/2017	18:41:24	3252	0.0	8.42	917.1	0		
06/09/2017	18:42:24	3270	0.0	8.42	917.1	0		
06/09/2017	18:43:24	3288	0.0	8.42	917.1	0		
06/09/2017	18:44:24	3306	0.0	8.42	917.1	0		
06/09/2017	18:45:24	3323	0.0	8.42	917.1	0		
06/09/2017	18:46:24	2904	0.0	8.42	917.1	0		
06/09/2017	18:47:24	11	0.0	8.42	917.1	0		
06/09/2017	18:47:40	11	0.0	8.42	917.1	0	Bleed Off, Floats Hold, 4.25 Bbl Back	
06/09/2017	18:48:24	11	0.0	8.42	917.1	0		
06/09/2017	18:49:24	848	4.6	8.41	917.9	0		
06/09/2017	18:50:24	4583	4.5	8.42	922.4	0		
06/09/2017	18:51:24	4801	0.0	8.42	923.2	0		
06/09/2017	18:52:24	1920	0.0	8.42	923.2	0		
06/09/2017	18:53:24	15	0.0	8.42	923.2	0		
06/09/2017	18:54:16	2776	6.4	8.42	926.1	0	5 Bbl Wet Shoe	
06/09/2017	18:54:24	3521	6.3	8.41	927.0	0		
06/09/2017	18:55:24	2327	2.9	8.41	930.0	0		
06/09/2017	18:56:24	2216	2.2	8.41	933.4	0		
06/09/2017	18:57:24	32	0.0	8.41	933.5	0		
06/09/2017	18:57:44	11	0.0	8.41	933.5	0	End Job	
06/09/2017	18:58:24	12	0.0	8.41	933.5	0		
06/09/2017	18:59:24	14	0.0	8.41	933.5	0		

Well Butterball 12N-34HZ			Field Wattenberg		Job Start Jun/09/2017	Customer Anadarko		Job Number DMBW-01052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
06/09/2017	19:02:24	12	0.0	8.41	933.5	0		
06/09/2017	19:03:24	42	0.0	7.46	933.5	0		
06/09/2017	19:04:24	14	0.0	8.41	933.5	0		
06/09/2017	19:05:24	15	0.0	7.31	933.5	0		
06/09/2017	19:06:24	15	0.0	8.33	933.5	0		
06/09/2017	19:07:24	15	0.0	8.32	933.5	0		
06/09/2017	19:08:24	15	0.0	8.39	933.5	0		
06/09/2017	19:09:24	16	0.0	8.41	933.5	0		
06/09/2017	19:10:24	15	0.0	8.41	933.5	0		
06/09/2017	19:11:24	15	0.0	8.41	933.5	0		
06/09/2017	19:12:24	15	0.0	8.41	933.5	0		
06/09/2017	19:13:24	15	0.0	8.40	933.5	0		
06/09/2017	19:14:24	15	0.0	8.40	933.5	0		
06/09/2017	19:15:24	16	0.0	8.40	933.5	0		
06/09/2017	19:16:24	15	0.0	8.41	933.5	0		
06/09/2017	19:17:24	16	0.0	8.41	933.5	0		
06/09/2017	19:18:24	15	0.0	8.41	933.5	0		
06/09/2017	19:19:24	16	0.0	8.41	933.5	0		
06/09/2017	19:20:24	16	0.0	8.40	933.5	0		
06/09/2017	19:21:24	16	0.0	8.40	933.5	0		
06/09/2017	19:22:24	16	0.0	8.40	933.5	0		
06/09/2017	19:23:24	16	0.0	8.40	933.5	0		
06/09/2017	19:24:24	17	0.0	8.40	933.5	0		
06/09/2017	19:25:24	16	0.0	8.40	933.5	0		
06/09/2017	19:26:24	17	0.0	8.40	933.5	0		
06/09/2017	19:27:24	17	0.0	8.40	933.5	0		
06/09/2017	19:28:24	17	0.0	8.40	933.5	0		
06/09/2017	19:29:24	17	0.0	8.40	933.5	0		
06/09/2017	19:30:24	17	0.0	8.40	933.5	0		
06/09/2017	19:31:24	17	0.0	8.40	933.5	0		
06/09/2017	19:32:24	17	0.0	8.40	933.5	0		
06/09/2017	19:33:24	17	0.0	8.40	933.5	0		
06/09/2017	19:34:24	17	0.0	8.33	933.5	0		
06/09/2017	19:35:24	17	0.0	8.31	933.5	0		
06/09/2017	19:36:24	17	0.0	8.31	933.5	0		
06/09/2017	19:37:24	17	0.0	8.35	933.5	0		
06/09/2017	19:38:24	17	0.0	8.38	933.5	0		

## Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 509.0	Mud	Spacer 80.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final 0	Average	Bump Plug to 3000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl	Displacement 369.0 bbl	Mix Water Temp 73 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl	
					Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Tobin Sinclair			Schlumberger Supervisor R Drilling/K Sovereign			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	