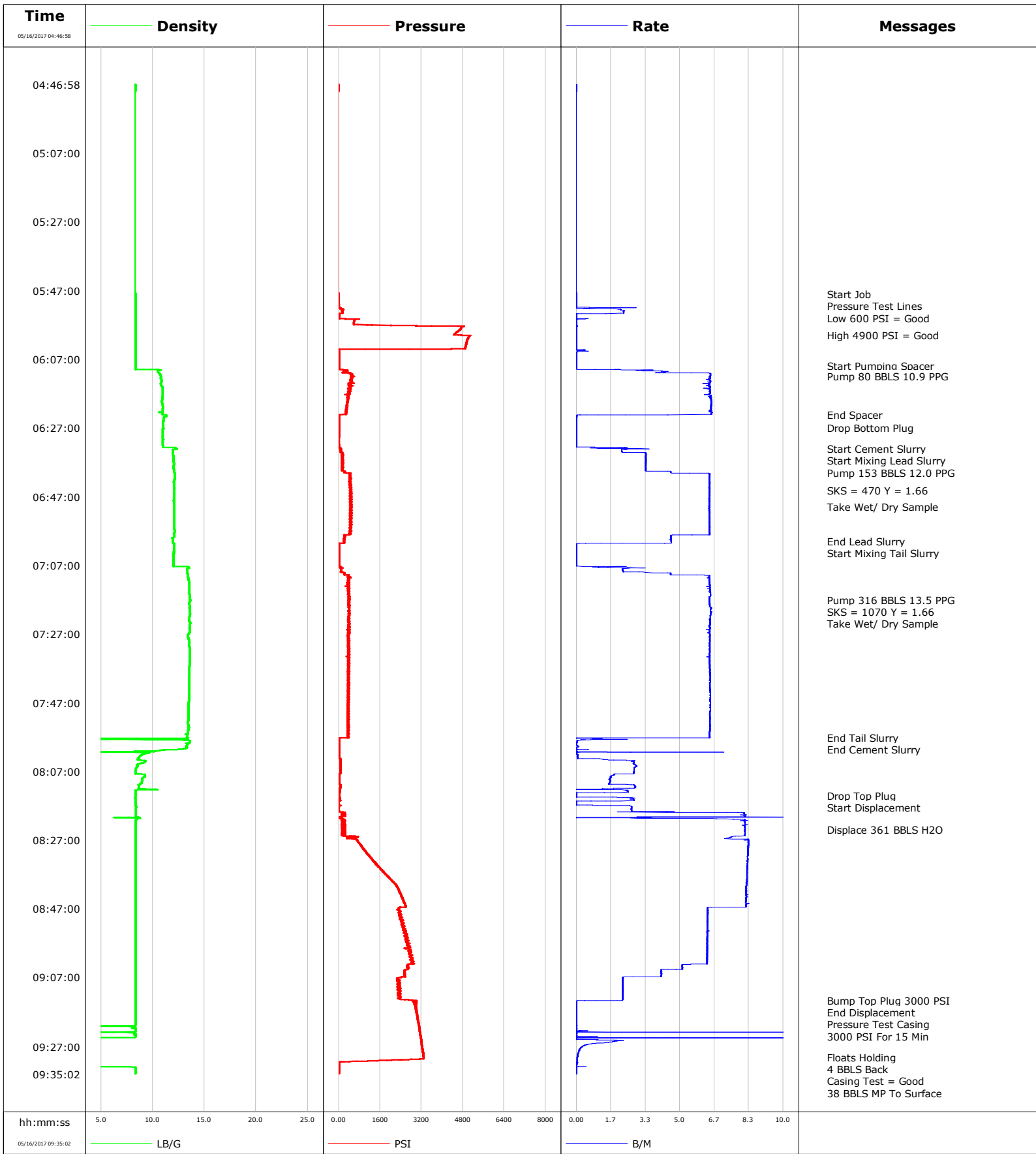


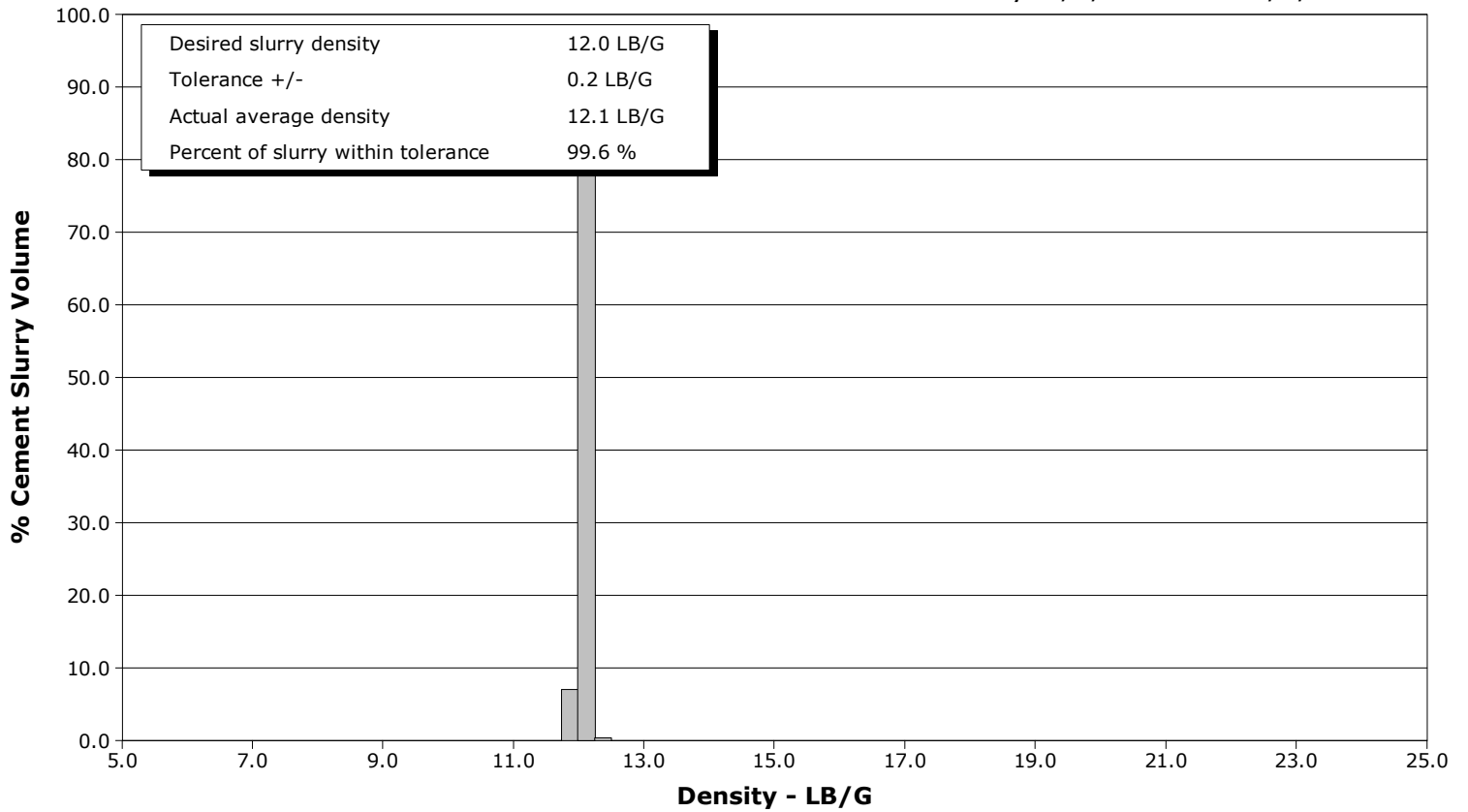
Well	Butterball 40C-34HZ	Client	Anadarko
Field	Wattenberg	SIR No.	2505317
Engineer	Conley Jensen/ Joe Sanchez	Job Type	5.5" Monobore
Country	United States	Job Date	05-16-2017



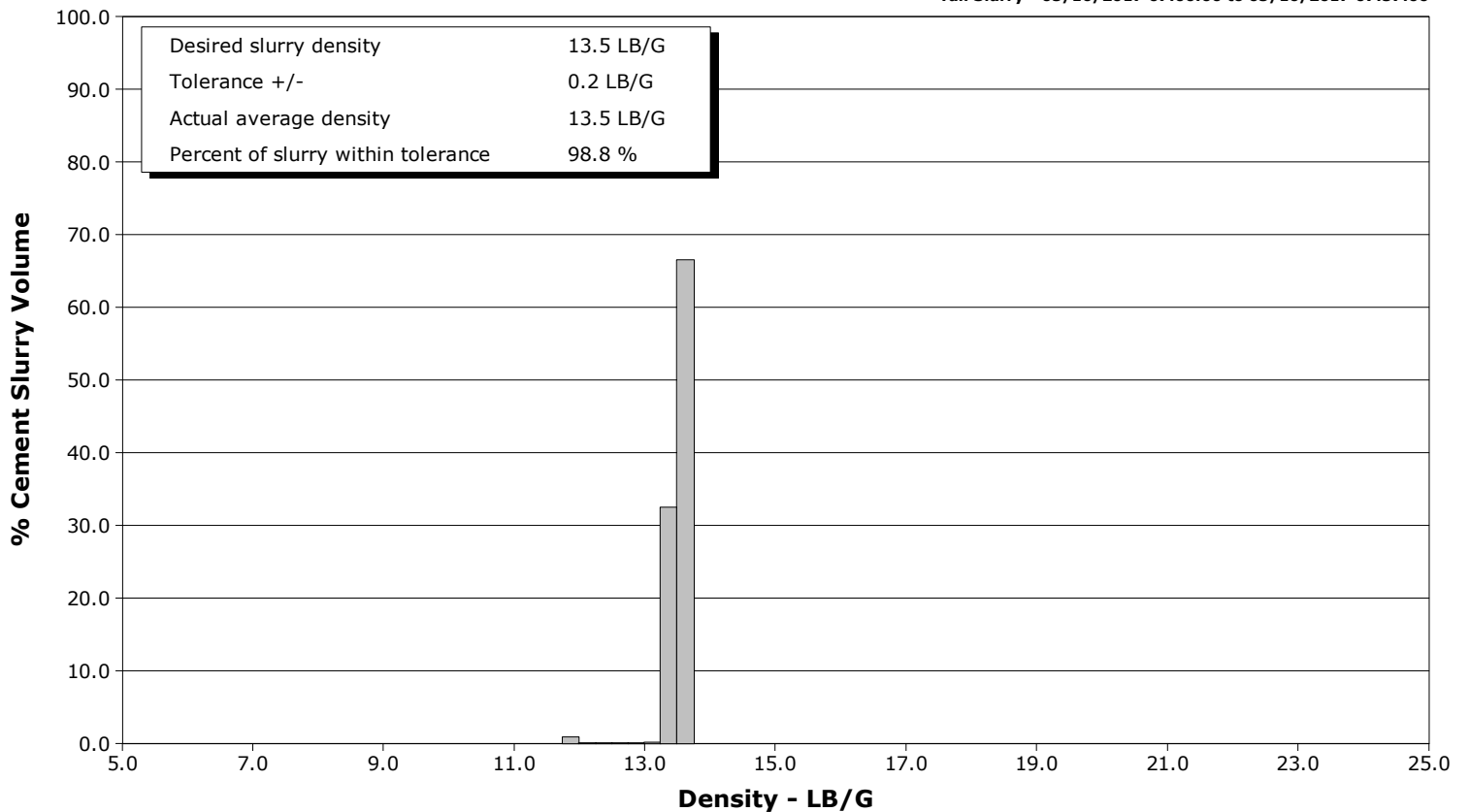
Well Butterball 40C-34HZ
Field Wattenberg
Engineer Conley Jensen/ Joe Sanchez
Country United States

Client Anadarko
SIR No. 2505317
Job Type 5.5" Monobore
Job Date 05-16-2017

Lead Slurry - 05/16/2017 06:33:00 to 05/16/2017 07:00:00



Tail Slurry - 05/16/2017 07:00:00 to 05/16/2017 07:57:00



				Customer			Job Number			
				Anadarko			2505317			
Well		Location (legal)			Schlumberger Location		Job Start			
Butterball 40C-34HZ 40C-34HZ					CWY		May/16/2017			
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD			
Wattenberg		Shale		deg	7.9 in	15619.0 ft	7442.0 ft			
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient		
		Colorado			psi	231 degF	229 degF	lb/gal		
Well Master		API/UWI								
0631713042		05123443190000								
Rig Name	Drilled For	Service Via		Casing/Liner						
Precision 461	Oil	Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class	Well Type		1829.0	9.6	36.0	J55	8RD		
	New	Development		15519.0	5.5	17.0	P110	8RD		
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe					
		lb/gal	cP		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type									
Cementing	5.5" Monobore									
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole						
psi	psi	Double Cement head		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
Service Instructions Perform 5.5" Monobore Per Proposal Design.				ft	ft			ft		
				ft	ft			Diameter		
				ft	ft			in		
Treat Down		Displacement		Packer Type		Packer Depth				
Casing		361.0 bbl				ft				
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.				
bbl		363.0 bbl		513.0 bbl		908.0 bbl				
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement		Casing Tools			Squeeze Job			
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								
Lift Pressure		psi		Shoe Type		Squeeze Type				
				Float						
Pipe Rotated		Pipe Reciprocated		Shoe Depth		Tool Type				
<input type="checkbox"/>		<input type="checkbox"/>		15619.0 ft						
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth				
		1	1			ft				
Cement Head Type		Double		Stage Tool Depth		Tail Pipe Size				
				ft		in				
Job Scheduled For		Arrived on Location	Leave Location		Collar Type		Tail Pipe Depth			
May/16/2017 00:00		May/16/2017 00:00	May/16/2017 11:00		Float		ft			
				Collar Depth		Sqz. Total Vol.				
				15531.0 ft		bbl				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
05/16/2017	04:46:58	1	0.0	8.34	0.0	Started Acquisition				
05/16/2017	04:48:28	1	0.0	8.34	0.0					
05/16/2017	05:48:00	-1	0.0	8.34	0.0	Start Job				
05/16/2017	05:48:28	-1	0.0	8.34	0.0					
05/16/2017	05:49:00	-1	0.0	8.34	0.0	Pressure Test Lines				
05/16/2017	05:49:58	0	0.0	8.34	0.0					
05/16/2017	05:51:28	2	0.0	8.34	0.0					
05/16/2017	05:52:58	138	2.3	8.32	1.7					
05/16/2017	05:54:28	23	0.0	8.33	3.4					
05/16/2017	05:55:00	23	0.0	8.32	3.4	Low 600 PSI = Good				
05/16/2017	05:55:58	607	0.0	8.33	3.4					
05/16/2017	05:57:28	4828	0.0	8.32	3.4					
05/16/2017	05:58:58	4593	0.0	8.33	3.4					
05/16/2017	06:00:00	4732	0.0	8.33	3.4	High 4900 PSI = Good				
05/16/2017	06:00:28	5028	0.0	8.33	3.4					
05/16/2017	06:01:58	4945	0.0	8.33	3.5					
05/16/2017	06:03:28	4900	0.0	8.33	3.5					
05/16/2017	06:04:58	8	0.0	8.32	3.6					
05/16/2017	06:06:28	10	0.0	8.32	3.6					
05/16/2017	06:07:58	11	0.0	8.33	3.6					
05/16/2017	06:09:00	13	0.0	8.32	3.6	Start Pumping Spacer				

Well		Field		Job Start		Customer		Job Number	
Butterball 40C-34HZ 40C-34HZ		Wattenberg		May/16/2017		Anadarko		2505317	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/16/2017	06:10:58	458	5.5	10.61	3.6				
05/16/2017	06:12:00	566	6.5	10.79	10.3	Pump 80 BBLS 10.9 PPG			
05/16/2017	06:12:28	482	6.5	10.78	13.3				
05/16/2017	06:13:58	465	6.4	10.79	22.9				
05/16/2017	06:15:28	351	6.2	10.96	32.5				
05/16/2017	06:16:58	369	6.5	10.96	42.2				
05/16/2017	06:18:28	359	6.5	10.92	51.9				
05/16/2017	06:19:58	339	6.5	10.91	61.7				
05/16/2017	06:21:28	329	6.5	10.98	71.4				
05/16/2017	06:22:58	290	6.5	10.97	81.2				
05/16/2017	06:23:00	294	6.5	10.97	81.4	End Spacer			
05/16/2017	06:24:28	4	0.0	11.04	82.5				
05/16/2017	06:25:58	3	0.0	11.02	82.6				
05/16/2017	06:27:00	3	0.0	11.02	82.6	Drop Bottom Plug			
05/16/2017	06:27:28	4	0.0	10.96	82.6				
05/16/2017	06:28:58	3	0.0	10.96	82.6				
05/16/2017	06:30:28	3	0.0	10.96	0.0				
05/16/2017	06:31:58	3	0.0	10.94	0.0				
05/16/2017	06:33:00	27	1.4	12.19	0.6	Start Cement Slurry			
05/16/2017	06:33:28	81	2.2	11.93	1.7				
05/16/2017	06:34:58	129	3.4	11.99	6.0				
05/16/2017	06:36:28	144	3.4	12.02	11.0				
05/16/2017	06:37:58	159	3.3	12.03	16.0				
05/16/2017	06:39:28	145	3.3	12.06	21.1				
05/16/2017	06:40:00	256	4.6	12.08	23.3	Pump 153 BBLS 12.0 PPG			
05/16/2017	06:40:58	439	6.4	12.11	29.3				
05/16/2017	06:42:28	418	6.4	12.06	38.9				
05/16/2017	06:43:58	428	6.4	12.08	48.6				
05/16/2017	06:45:00	465	6.4	12.08	55.2	SKS = 470 Y = 1.66			
05/16/2017	06:45:28	495	6.4	12.07	58.2				
05/16/2017	06:46:58	421	6.4	12.04	67.9				
05/16/2017	06:48:28	490	6.4	12.03	77.5				
05/16/2017	06:49:58	454	6.4	12.05	87.2				
05/16/2017	06:50:00	476	6.4	12.05	87.4	Take Wet/ Dry Sample			
05/16/2017	06:51:28	431	6.5	12.05	96.8				
05/16/2017	06:52:58	492	6.4	12.05	106.4				
05/16/2017	06:54:28	493	6.4	12.05	116.1				
05/16/2017	06:55:58	460	6.4	12.05	125.7				
05/16/2017	06:57:28	469	6.4	12.08	135.4				
05/16/2017	06:58:58	234	4.6	11.89	143.6				
05/16/2017	07:00:00	225	4.6	11.92	148.3	End Lead Slurry			
05/16/2017	07:00:28	198	4.6	11.94	150.4				
05/16/2017	07:01:58	4	0.0	12.04	0.0				
05/16/2017	07:03:28	5	0.0	12.03	0.0				
05/16/2017	07:04:58	6	0.0	12.02	0.0				
05/16/2017	07:06:28	7	0.0	11.99	0.0				
05/16/2017	07:07:58	89	2.2	13.36	1.3				
05/16/2017	07:09:28	219	4.6	13.37	5.6				
05/16/2017	07:10:58	349	6.4	13.44	14.5				
05/16/2017	07:12:28	347	6.4	13.52	24.1				
05/16/2017	07:13:58	372	6.5	13.53	33.8				
05/16/2017	07:15:28	363	6.5	13.56	43.5				
05/16/2017	07:16:58	358	6.4	13.61	53.2	Pump 316 BBLS 13.5 PPG			
05/16/2017	07:16:59	358	6.4	13.61	53.3	Take Wet/ Dry Sample			

Well Butterball 40C-34HZ 40C-34HZ			Field Wattenberg		Job Start May/16/2017	Customer Anadarko	Job Number 2505317
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/16/2017	07:19:58	411	6.5	13.59	72.5		
05/16/2017	07:21:28	378	6.5	13.59	82.2		
05/16/2017	07:22:58	355	6.5	13.51	91.9		
05/16/2017	07:24:28	373	6.5	13.60	101.6		
05/16/2017	07:25:58	357	6.4	13.57	111.3		
05/16/2017	07:27:28	363	6.5	13.41	120.9		
05/16/2017	07:28:58	360	6.4	13.53	130.6		
05/16/2017	07:30:28	383	6.4	13.53	140.3		
05/16/2017	07:31:58	401	6.5	13.58	150.0		
05/16/2017	07:33:28	360	6.4	13.58	159.6		
05/16/2017	07:34:58	344	6.4	13.56	169.3		
05/16/2017	07:36:28	373	6.4	13.56	178.9		
05/16/2017	07:37:58	363	6.5	13.54	188.6		
05/16/2017	07:39:28	352	6.5	13.53	198.3		
05/16/2017	07:40:58	342	6.5	13.52	208.0		
05/16/2017	07:42:28	369	6.5	13.52	217.7		
05/16/2017	07:43:58	365	6.5	13.51	227.3		
05/16/2017	07:45:28	378	6.5	13.51	237.0		
05/16/2017	07:46:58	354	6.5	13.47	246.7		
05/16/2017	07:48:28	363	6.5	13.44	256.4		
05/16/2017	07:49:58	387	6.5	13.43	266.1		
05/16/2017	07:51:28	359	6.5	13.43	275.8		
05/16/2017	07:52:58	338	6.5	13.40	285.5		
05/16/2017	07:54:28	361	6.5	13.46	295.2		
05/16/2017	07:55:58	336	6.4	13.41	304.8		
05/16/2017	07:57:00	364	6.4	13.29	311.5	End Tail Slurry	
05/16/2017	07:57:28	5	1.1	1.17	313.4		
05/16/2017	07:58:58	11	0.0	13.45	313.8		
05/16/2017	08:00:28	11	0.0	12.87	313.8		
05/16/2017	08:01:58	11	0.0	9.11	314.4		
05/16/2017	08:03:28	66	1.3	8.52	314.6		
05/16/2017	08:04:58	64	2.8	8.51	318.4		
05/16/2017	08:06:28	63	2.8	8.36	322.7		
05/16/2017	08:07:58	25	1.8	9.24	326.6		
05/16/2017	08:09:28	23	1.6	8.98	329.1		
05/16/2017	08:10:58	67	2.8	8.63	331.7		
05/16/2017	08:12:28	53	2.5	8.34	335.1		
05/16/2017	08:13:58	31	0.0	8.34	336.7		
05/16/2017	08:14:00	32	0.0	8.34	336.7	Drop Top Plug	
05/16/2017	08:15:28	62	2.8	8.33	339.3		
05/16/2017	08:16:58	42	2.6	8.33	339.9		
05/16/2017	08:18:28	22	2.7	8.37	343.9		
05/16/2017	08:19:58	221	8.2	8.37	1.6		
05/16/2017	08:21:28	177	8.1	8.34	11.4		
05/16/2017	08:22:58	206	8.1	8.33	23.6		
05/16/2017	08:23:48	142	8.1	8.33	30.4	Displace 361 BBLS H2O	
05/16/2017	08:24:28	235	8.1	8.33	35.8		
05/16/2017	08:25:58	770	7.5	8.33	48.0		
05/16/2017	08:27:28	760	8.3	8.33	59.8		
05/16/2017	08:28:58	899	8.3	8.33	72.2		
05/16/2017	08:30:28	1060	8.3	8.33	84.7		
05/16/2017	08:31:58	1259	8.3	8.33	97.1		
05/16/2017	08:33:28	1388	8.3	8.33	109.5		
05/16/2017	08:34:58	1566	8.3	8.33	121.9		

Well		Field		Job Start		Customer		Job Number	
Butterball 40C-34HZ 40C-34HZ		Wattenberg		May/16/2017		Anadarko		2505317	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/16/2017	08:37:58	1960	8.2	8.33	146.6				
05/16/2017	08:39:28	2154	8.2	8.33	159.0				
05/16/2017	08:40:58	2310	8.2	8.33	171.3				
05/16/2017	08:42:28	2385	8.2	8.33	183.6				
05/16/2017	08:43:58	2467	8.2	8.33	195.9				
05/16/2017	08:45:28	2556	8.3	8.35	208.2				
05/16/2017	08:46:58	2314	6.3	8.33	219.7				
05/16/2017	08:48:28	2431	6.3	8.33	229.2				
05/16/2017	08:49:58	2435	6.3	8.33	238.7				
05/16/2017	08:51:28	2461	6.3	8.33	248.2				
05/16/2017	08:52:58	2500	6.3	8.33	257.7				
05/16/2017	08:54:28	2637	6.3	8.33	267.2				
05/16/2017	08:55:58	2671	6.3	8.33	276.7				
05/16/2017	08:57:28	2666	6.3	8.33	286.2				
05/16/2017	08:58:58	2765	6.3	8.33	295.7				
05/16/2017	09:00:28	2856	6.3	8.33	305.1				
05/16/2017	09:01:58	2808	6.3	8.33	314.6				
05/16/2017	09:03:28	2687	5.1	8.33	323.7				
05/16/2017	09:04:58	2579	4.1	8.33	331.0				
05/16/2017	09:06:28	2566	4.1	8.33	337.2				
05/16/2017	09:07:58	2363	2.2	8.33	341.2				
05/16/2017	09:09:28	2333	2.2	8.33	344.6				
05/16/2017	09:10:58	2404	2.2	8.33	347.9				
05/16/2017	09:12:28	2351	2.2	8.33	351.3				
05/16/2017	09:13:45	3046	0.0	8.33	354.0	Bump Top Plug 3000 PSI			
05/16/2017	09:13:46	2908	0.0	8.33	354.0	End Displacement			
05/16/2017	09:13:58	3012	0.0	8.33	354.0				
05/16/2017	09:14:00	2890	0.0	8.33	354.0	Pressure Test Casing			
05/16/2017	09:14:01	2959	0.0	8.33	354.0	3000 PSI For 15 Min			
05/16/2017	09:15:28	3024	0.0	8.33	354.0				
05/16/2017	09:16:58	3034	0.0	8.33	354.0				
05/16/2017	09:18:28	3058	0.0	8.33	354.0				
05/16/2017	09:19:58	3093	0.0	8.33	354.0				
05/16/2017	09:21:28	3128	0.0	8.33	354.0				
05/16/2017	09:22:58	3160	0.0	7.72	354.9				
05/16/2017	09:24:28	3190	4.6	2.24	355.1				
05/16/2017	09:25:58	3220	1.4	0.84	358.8				
05/16/2017	09:27:28	3248	0.2	2.88	359.6				
05/16/2017	09:28:58	3276	0.1	3.65	359.8				
05/16/2017	09:30:15	3300	0.0	4.06	359.9	Floats Holding			
05/16/2017	09:30:28	3303	0.0	4.11	359.9				
05/16/2017	09:30:29	3303	0.0	4.12	359.9	4 BBLs Back			
05/16/2017	09:31:46	1	0.1	4.21	359.9	Casing Test = Good			
05/16/2017	09:31:58	1	0.0	4.28	360.0				
05/16/2017	09:33:28	5	0.0	8.33	360.0				
05/16/2017	09:34:47	4	0.0	8.33	360.0	38 BBLs MP To Surface			
05/16/2017	09:34:58	5	0.0	8.33	360.0				

Well Butterball 40C-34HZ 40C-34HZ	Field Wattenberg	Job Start May/16/2017	Customer Anadarko	Job Number 2505317
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.4	N2	Mud	Maximum Rate 25.0	Total Slurry 470.0	Mud 0.0	Spacer 80.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 5095	Final 5	Average 802	Bump Plug to 3000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 470.0 bbl	Displacement 361.0 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	To ft		
				Washed Thru Perfs <input type="checkbox"/>				
Customer or Authorized Representative Will Turner			Schlumberger Supervisor Conley Jensen/ Joe Sanchez		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		