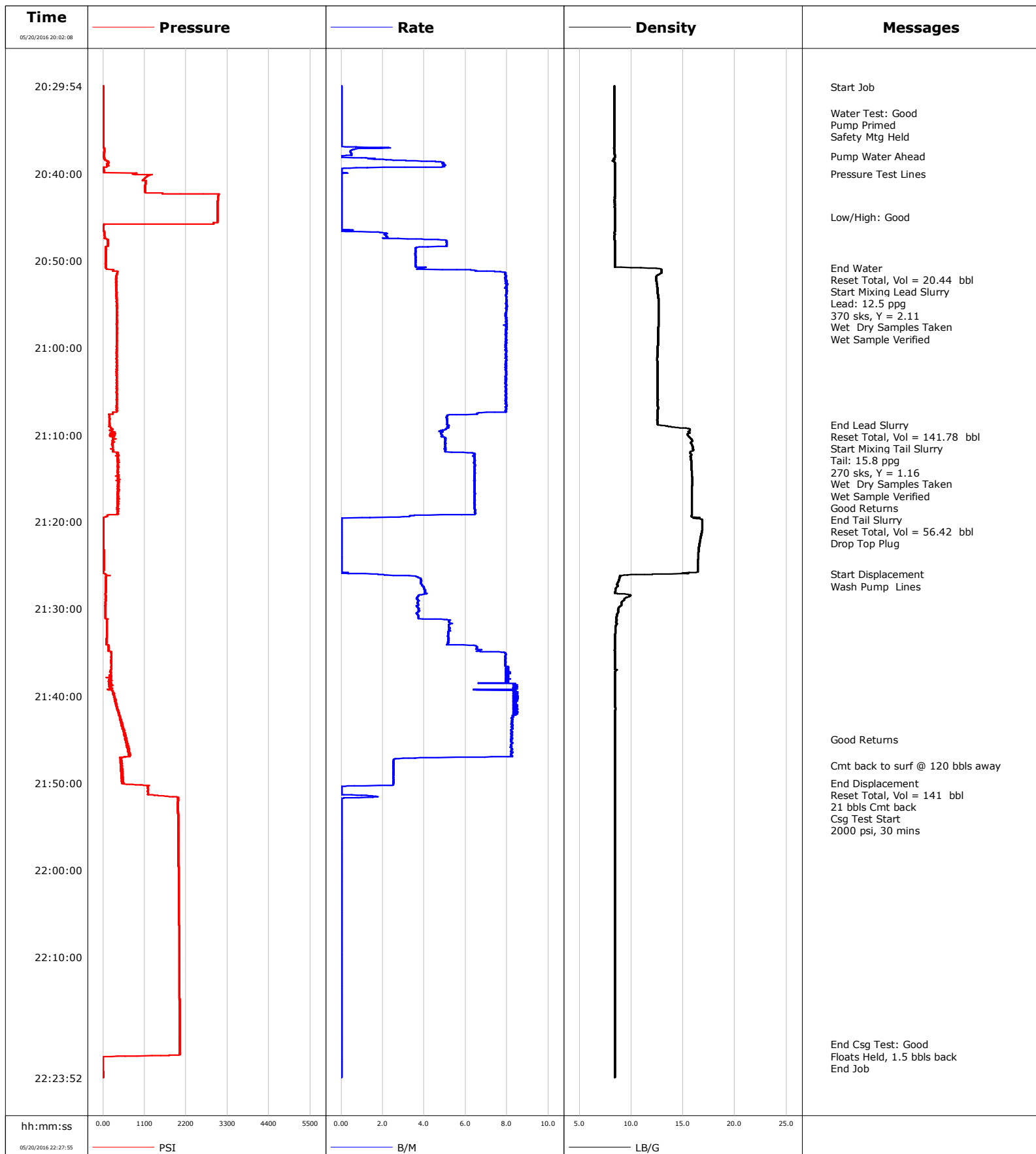


Well Land Fed 3N-32HZ
Field Wattenberg
Engineer Matlock/Sovereign
Country United States

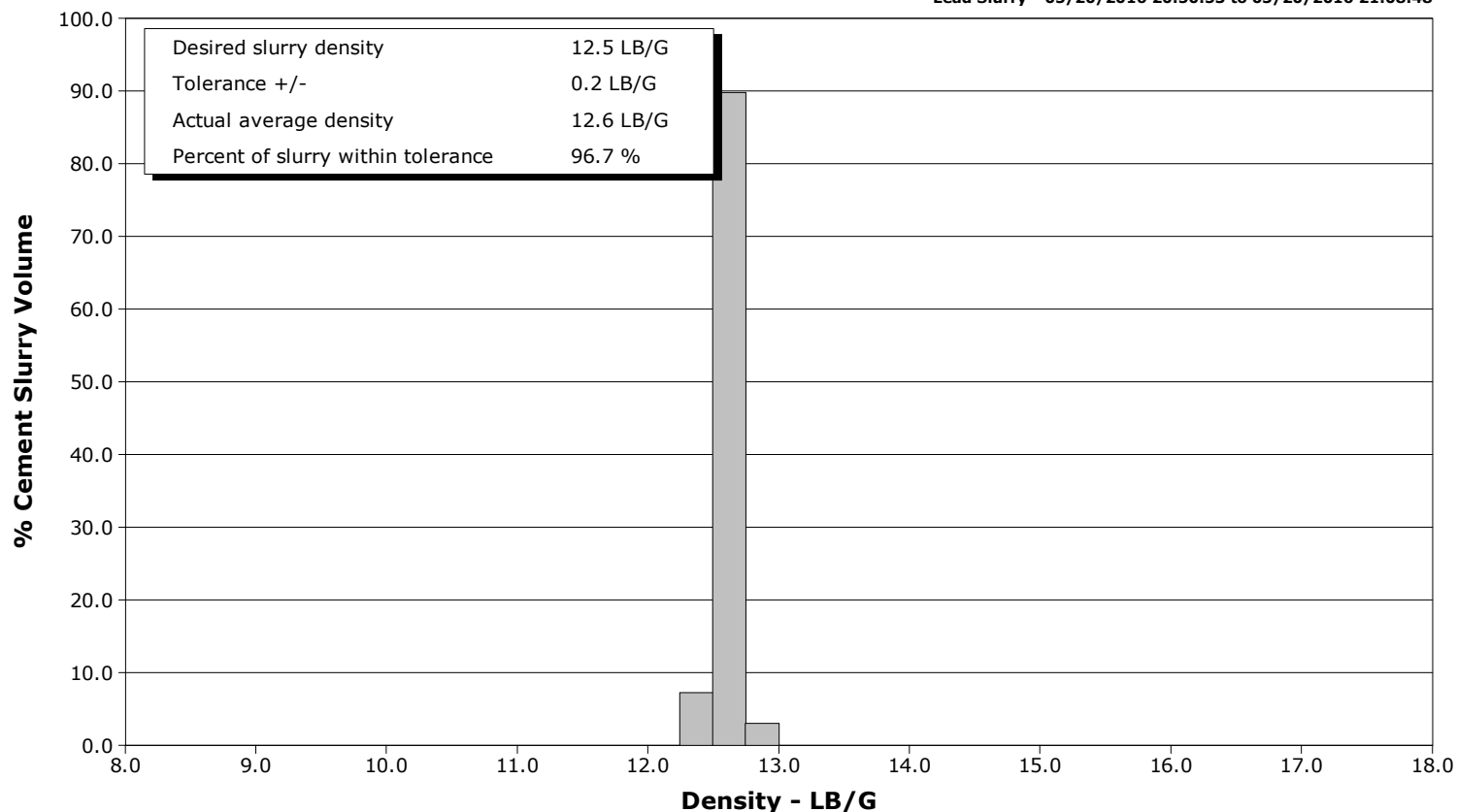
Client Anadarko
SIR No. DJT7-00192
Job Type Surface
Job Date 05-20-2016



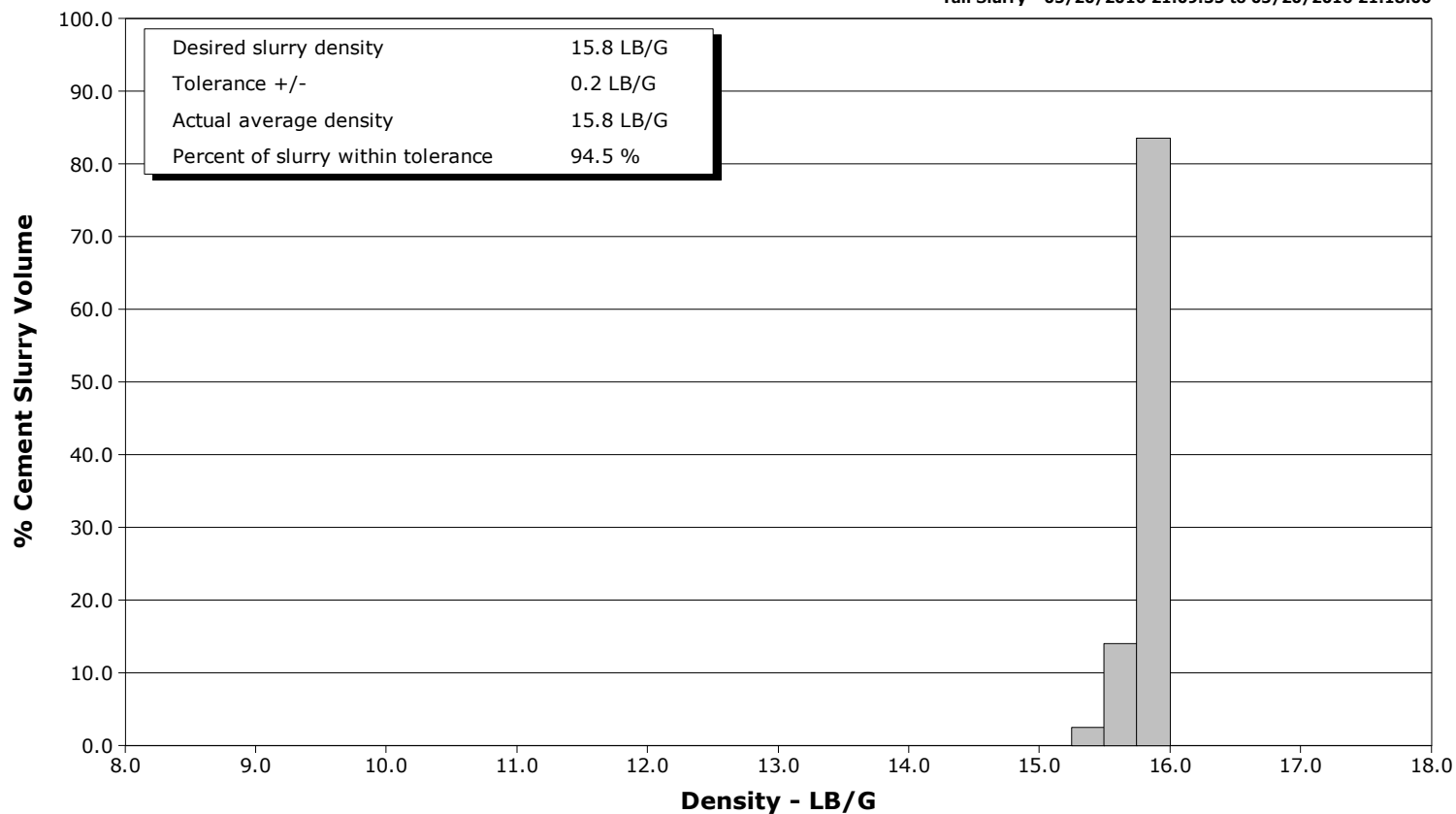
Well Land Fed 3N-32HZ
Field Wattenberg
Engineer Matlock/Sovereign
Country United States

Client Anadarko
SIR No. DJT7-00192
Job Type Surface
Job Date 05-20-2016

Lead Slurry - 05/20/2016 20:50:53 to 05/20/2016 21:08:48



Tail Slurry - 05/20/2016 21:09:35 to 05/20/2016 21:18:00



Cementing Service Report

					Customer Anadarko			Job Number DJT7-00192							
Well Land Fed 3N-32HZ			Location (legal)			Schlumberger Location Cheyenne			Job Start May/20/2016						
Field Wattenberg		Formation Name/Type			Deviation deg		Bit Size 13.5 in		Well MD 1872.0 ft		Well TVD 1872.0 ft				
County Weld		State/Province CO			BHP psi		BHST 101 degF		BHCT 81 degF		Pore Press. Gradient lb/gal				
Well Master 631662963		API/UWI 5123423900000													
Rig Name Precision 461		Drilled For Oil		Service Via Land		Casing/ Liner									
						Depth, ft		Size, in		Weight, lb/ft		Grade	Thread		
Offshore Zone		Well Class New		Well Type Development		1872.0		9.6		36.0		P-110			
						0.0		0.0		0.0					
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 Surface													
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole									
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft	
Service Instructions Cement 9 5/8" Surface casing at 1900' Top of Lead: Surface Est. Top of Tail: 1400'						ft		ft							
						ft		ft						Diameter in	
						ft		ft							
		Treat Down Casing		Displacement 141.0 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 psi						Shoe Type Float			Squeeze Type						
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1872.0 ft			Tool Type						
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type			Tool Depth ft						
Cement Head Type Single						Stage Tool Depth ft			Tail Pipe Size in						
Job Scheduled For May/20/2016 19:00		Arrived on Location May/20/2016 19:00		Leave Location May/20/2016 23:30		Collar Type Float			Tail Pipe Depth ft						
						Collar Depth 1828.0 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								
05/20/2016	20:45:55	-3	0.0	8.40	5.1	0	Start Job								
05/20/2016	20:46:35	10	0.0	8.40	5.2	0									
05/20/2016	20:47:15	41	2.2	8.39	6.4	0									
05/20/2016	20:47:55	124	5.1	8.40	9.0	0									
05/20/2016	20:48:35	70	3.6	8.40	12.1	0									
05/20/2016	20:49:15	67	3.6	8.40	14.5	0									
05/20/2016	20:49:55	74	3.6	8.40	16.9	0									
05/20/2016	20:50:35	69	3.6	8.40	19.3	0									
05/20/2016	20:50:48	74	3.9	10.89	20.1	19	End Water								
05/20/2016	20:50:50	72	3.9	11.68	20.2	19	Reset Total, Vol = 20.44 bbl								
05/20/2016	20:50:53	86	3.8	12.38	20.4	20	Start Mixing Lead Slurry								
05/20/2016	20:51:15	385	7.7	12.92	1.9	21									
05/20/2016	20:51:55	350	7.9	12.40	7.2	25									
05/20/2016	20:52:00	345	7.9	12.39	7.9	26	Lead: 12.5 ppg								
05/20/2016	20:52:35	342	7.9	12.45	12.5	28									
05/20/2016	20:53:00	343	8.0	12.51	15.8	28	370 sks, Y = 2.11								
05/20/2016	20:53:15	354	8.0	12.53	17.8	28									
05/20/2016	20:53:55	352	7.9	12.57	23.1	28									
05/20/2016	20:54:00	363	7.9	12.57	23.8	28	Wet Sample Verified								
05/20/2016	20:54:35	360	7.9	12.63	28.4	28									
05/20/2016	20:55:15	358	8.0	12.64	33.7	27									

Well			Field		Job Start		Customer		Job Number	
Land Fed 3N-32HZ			Wattenberg		May/20/2016		Anadarko		DJT7-00192	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
05/20/2016	20:56:35	367	8.0	12.63	44.3	26				
05/20/2016	20:57:15	360	8.0	12.62	49.6	25				
05/20/2016	20:57:55	358	8.0	12.60	54.9	25				
05/20/2016	20:58:35	362	8.0	12.60	60.2	25				
05/20/2016	20:59:15	362	8.0	12.59	65.5	25				
05/20/2016	20:59:55	361	7.9	12.55	70.8	25				
05/20/2016	21:00:35	362	8.0	12.53	76.1	24				
05/20/2016	21:01:15	357	7.9	12.51	81.4	24				
05/20/2016	21:01:55	360	7.9	12.52	86.7	24				
05/20/2016	21:02:35	369	7.9	12.53	92.0	24				
05/20/2016	21:03:15	356	7.9	12.53	97.3	24				
05/20/2016	21:03:55	366	7.9	12.54	102.6	24				
05/20/2016	21:04:35	356	7.9	12.55	107.9	25				
05/20/2016	21:05:15	356	7.9	12.56	113.2	25				
05/20/2016	21:05:55	369	7.9	12.56	118.5	25				
05/20/2016	21:06:35	358	7.9	12.54	123.8	25				
05/20/2016	21:07:15	360	7.9	12.54	129.1	22				
05/20/2016	21:07:55	169	5.1	12.54	133.4	20				
05/20/2016	21:08:35	163	5.1	12.53	136.8	20				
05/20/2016	21:08:48	166	5.1	12.53	137.9	22	End Lead Slurry			
05/20/2016	21:09:15	209	5.1	15.31	140.2	37				
05/20/2016	21:09:33	199	4.8	15.66	141.7	38	Reset Total, Vol = 141.78 bbl			
05/20/2016	21:09:35	245	4.7	15.61	0.1	37	Start Mixing Tail Slurry			
05/20/2016	21:09:37	259	4.9	15.52	0.2	37	Tail: 15.8 ppg			
05/20/2016	21:09:45	262	4.8	15.64	0.9	37	270 sks, Y = 1.16			
05/20/2016	21:09:55	279	4.8	15.43	1.7	39				
05/20/2016	21:10:00	183	4.9	15.41	2.1	40	Wet Dry Samples Taken			
05/20/2016	21:10:35	272	5.0	15.84	5.0	42				
05/20/2016	21:11:00	265	5.0	15.78	7.1	42	Wet Sample Verified			
05/20/2016	21:11:15	259	5.0	15.89	8.3	42				
05/20/2016	21:11:55	260	5.0	15.75	11.7	42				
05/20/2016	21:12:00	361	5.3	15.68	12.1	42	Good Returns			
05/20/2016	21:12:35	370	6.4	15.73	15.8	42				
05/20/2016	21:13:15	391	6.4	15.78	20.0	40				
05/20/2016	21:13:55	383	6.4	15.80	24.3	40				
05/20/2016	21:14:35	419	6.4	15.85	28.6	40				
05/20/2016	21:15:15	389	6.4	15.87	32.9	40				
05/20/2016	21:15:55	399	6.4	15.86	37.2	41				
05/20/2016	21:16:35	394	6.4	15.84	41.5	41				
05/20/2016	21:17:15	380	6.4	15.84	45.8	41				
05/20/2016	21:17:55	408	6.4	15.84	50.1	41				
05/20/2016	21:18:00	375	6.4	15.84	50.6	44	End Tail Slurry			
05/20/2016	21:18:35	384	6.4	15.84	54.3	53				
05/20/2016	21:19:00	379	6.5	15.84	57.0	59	Reset Total, Vol = 56.42 bbl			
05/20/2016	21:19:15	116	3.5	15.83	58.5	75				
05/20/2016	21:19:55	8	0.0	16.84	59.4	0				
05/20/2016	21:20:00	8	0.0	16.84	59.4	0	Drop Top Plug			
05/20/2016	21:20:35	8	0.0	16.86	59.4	0				
05/20/2016	21:21:15	8	0.0	16.79	59.4	0				
05/20/2016	21:21:55	8	0.0	16.67	59.4	0				
05/20/2016	21:22:35	12	0.0	16.56	59.4	0				
05/20/2016	21:23:15	14	0.0	16.50	59.4	0				
05/20/2016	21:23:55	15	0.0	16.46	59.4	0				
05/20/2016	21:24:35	18	0.0	16.43	59.4	0				

Well			Field		Job Start		Customer		Job Number
Land Fed 3N-32HZ			Wattenberg		May/20/2016		Anadarko		DJT7-00192
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
05/20/2016	21:25:55	36	0.3	15.56	0.0	81			
05/20/2016	21:26:00	65	1.7	12.90	0.1	81	Start Displacement		
05/20/2016	21:26:35	72	3.8	8.83	1.9	81			
05/20/2016	21:27:00	70	3.8	8.69	3.5	81	Wash Pump Lines		
05/20/2016	21:27:15	69	3.9	8.66	4.5	81			
05/20/2016	21:27:55	66	4.0	8.48	7.1	81			
05/20/2016	21:28:35	71	3.7	9.82	9.8	11			
05/20/2016	21:29:15	64	3.7	9.05	12.2	18			
05/20/2016	21:29:55	65	3.7	8.77	14.7	25			
05/20/2016	21:30:35	63	3.7	8.65	17.1	14			
05/20/2016	21:31:15	104	5.1	8.58	19.7	0			
05/20/2016	21:31:55	101	5.2	8.51	23.2	20			
05/20/2016	21:32:35	102	5.2	8.47	26.6	2			
05/20/2016	21:33:15	99	5.2	8.42	30.1	8			
05/20/2016	21:33:55	89	5.1	8.41	33.5	0			
05/20/2016	21:34:35	146	6.5	8.41	37.5	0			
05/20/2016	21:35:15	211	7.9	8.40	42.3	0			
05/20/2016	21:35:55	214	7.9	8.41	47.6	0			
05/20/2016	21:36:35	215	7.9	8.41	52.9	0			
05/20/2016	21:37:15	182	8.2	8.44	58.2	0			
05/20/2016	21:37:55	205	8.0	8.42	63.5	0			
05/20/2016	21:38:35	213	8.4	8.41	68.9	0			
05/20/2016	21:39:15	113	6.4	8.41	74.4	0			
05/20/2016	21:39:55	279	8.3	8.41	79.9	0			
05/20/2016	21:40:35	321	8.4	8.41	85.5	0			
05/20/2016	21:41:15	352	8.5	8.41	91.1	0			
05/20/2016	21:41:55	428	8.3	8.41	96.7	0			
05/20/2016	21:42:35	455	8.2	8.41	102.2	0			
05/20/2016	21:43:15	483	8.2	8.41	107.7	0			
05/20/2016	21:43:55	560	8.2	8.41	113.2	0			
05/20/2016	21:44:35	560	8.2	8.41	118.7	0			
05/20/2016	21:45:00	625	8.2	8.41	122.1	0	Good Returns		
05/20/2016	21:45:15	614	8.2	8.41	124.2	0			
05/20/2016	21:45:55	657	8.2	8.41	129.6	0			
05/20/2016	21:46:35	717	8.3	8.41	135.0	0			
05/20/2016	21:47:15	484	2.6	8.41	139.6	0			
05/20/2016	21:47:55	470	2.5	8.41	141.3	0			
05/20/2016	21:48:00	506	2.5	8.41	141.5	0	Cmt back to surf @ 120 bbls away		
05/20/2016	21:48:35	471	2.5	8.41	143.0	0			
05/20/2016	21:49:15	514	2.5	8.41	144.7	0			
05/20/2016	21:49:55	539	2.5	8.41	146.3	0			
05/20/2016	21:50:00	543	2.5	8.41	146.5	0	End Displacement		
05/20/2016	21:50:05	498	2.5	8.41	146.8	0	Reset Total, Vol = 141 bbl		
05/20/2016	21:50:06	532	2.5	8.41	146.8	0	21 bbls Cmt back		
05/20/2016	21:50:35	1185	0.0	8.41	147.4	0			
05/20/2016	21:51:15	1185	0.0	8.41	147.4	0			
05/20/2016	21:51:55	1988	0.0	8.41	147.8	0			
05/20/2016	21:52:00	1987	0.0	8.41	147.8	0	Csg Test Start		
05/20/2016	21:52:35	1986	0.0	8.41	147.8	0			
05/20/2016	21:53:15	1987	0.0	8.41	147.8	0			
05/20/2016	21:53:55	1988	0.0	8.41	147.8	0			
05/20/2016	21:54:00	1988	0.0	8.41	147.8	0	2000 psi, 30 mins		
05/20/2016	21:54:35	1989	0.0	8.41	147.8	0			
05/20/2016	21:55:15	1990	0.0	8.41	147.8	0			

Well			Field		Job Start		Customer		Job Number	
Land Fed 3N-32HZ			Wattenberg		May/20/2016		Anadarko		DJT7-00192	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
05/20/2016	21:56:35	1994	0.0	8.41	147.8	0				
05/20/2016	21:57:15	1995	0.0	8.41	147.8	0				
05/20/2016	21:57:55	1997	0.0	8.41	147.8	0				
05/20/2016	21:58:35	1998	0.0	8.41	147.8	0				
05/20/2016	21:59:15	2000	0.0	8.41	147.8	0				
05/20/2016	21:59:55	2000	0.0	8.41	147.8	0				
05/20/2016	22:00:35	2002	0.0	8.42	147.8	0				
05/20/2016	22:01:15	2004	0.0	8.41	147.8	0				
05/20/2016	22:01:55	2005	0.0	8.42	147.8	0				
05/20/2016	22:02:35	2006	0.0	8.42	147.8	0				
05/20/2016	22:03:15	2008	0.0	8.42	147.8	0				
05/20/2016	22:03:55	2008	0.0	8.42	147.8	0				
05/20/2016	22:04:35	2010	0.0	8.42	147.8	0				
05/20/2016	22:05:15	2011	0.0	8.41	147.8	0				
05/20/2016	22:05:55	2012	0.0	8.41	147.8	0				
05/20/2016	22:06:35	2014	0.0	8.41	147.8	0				
05/20/2016	22:07:15	2014	0.0	8.42	147.8	0				
05/20/2016	22:07:55	2016	0.0	8.42	147.8	0				
05/20/2016	22:08:35	2017	0.0	8.42	147.8	0				
05/20/2016	22:09:15	2018	0.0	8.42	147.8	0				
05/20/2016	22:09:55	2019	0.0	8.42	147.8	0				
05/20/2016	22:10:35	2020	0.0	8.41	147.8	0				
05/20/2016	22:11:15	2021	0.0	8.42	147.8	0				
05/20/2016	22:11:55	2022	0.0	8.41	147.8	0				
05/20/2016	22:12:35	2023	0.0	8.41	147.8	0				
05/20/2016	22:13:15	2024	0.0	8.41	147.8	0				
05/20/2016	22:13:55	2025	0.0	8.41	147.8	0				
05/20/2016	22:14:35	2026	0.0	8.41	147.8	0				
05/20/2016	22:15:15	2027	0.0	8.42	147.8	0				
05/20/2016	22:15:55	2028	0.0	8.41	147.8	0				
05/20/2016	22:16:35	2029	0.0	8.41	147.8	0				
05/20/2016	22:17:15	2030	0.0	8.41	147.8	0				
05/20/2016	22:17:55	2031	0.0	8.41	147.8	0				
05/20/2016	22:18:35	2031	0.0	8.41	147.8	0				
05/20/2016	22:19:15	2031	0.0	8.41	147.8	0				
05/20/2016	22:19:55	2032	0.0	8.41	147.8	0				
05/20/2016	22:20:00	2032	0.0	8.41	147.8	0	End Csg Test: Good			
05/20/2016	22:20:04	2032	0.0	8.41	147.8	0	Floats Held, 1.5 bbls back			
05/20/2016	22:20:35	2032	0.0	8.41	147.8	0				
05/20/2016	22:21:00	2033	0.0	8.41	147.8	0	End Job			
05/20/2016	22:21:15	2032	0.0	8.41	147.8	0				
05/20/2016	22:21:55	-5	0.0	8.41	147.8	0				
05/20/2016	22:22:35	-2	0.0	8.41	147.8	0				

Well Land Fed 3N-32HZ	Field Wattenberg	Job Start May/20/2016	Customer Anadarko	Job Number DJT7-00192
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 197.0	Mud	Spacer 20.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final 0	Average	Bump Plug to 1200	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 195.0 bbl	Displacement 141.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 21.0 bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative James Gober			Schlumberger Supervisor Matlock/Sovereign			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-