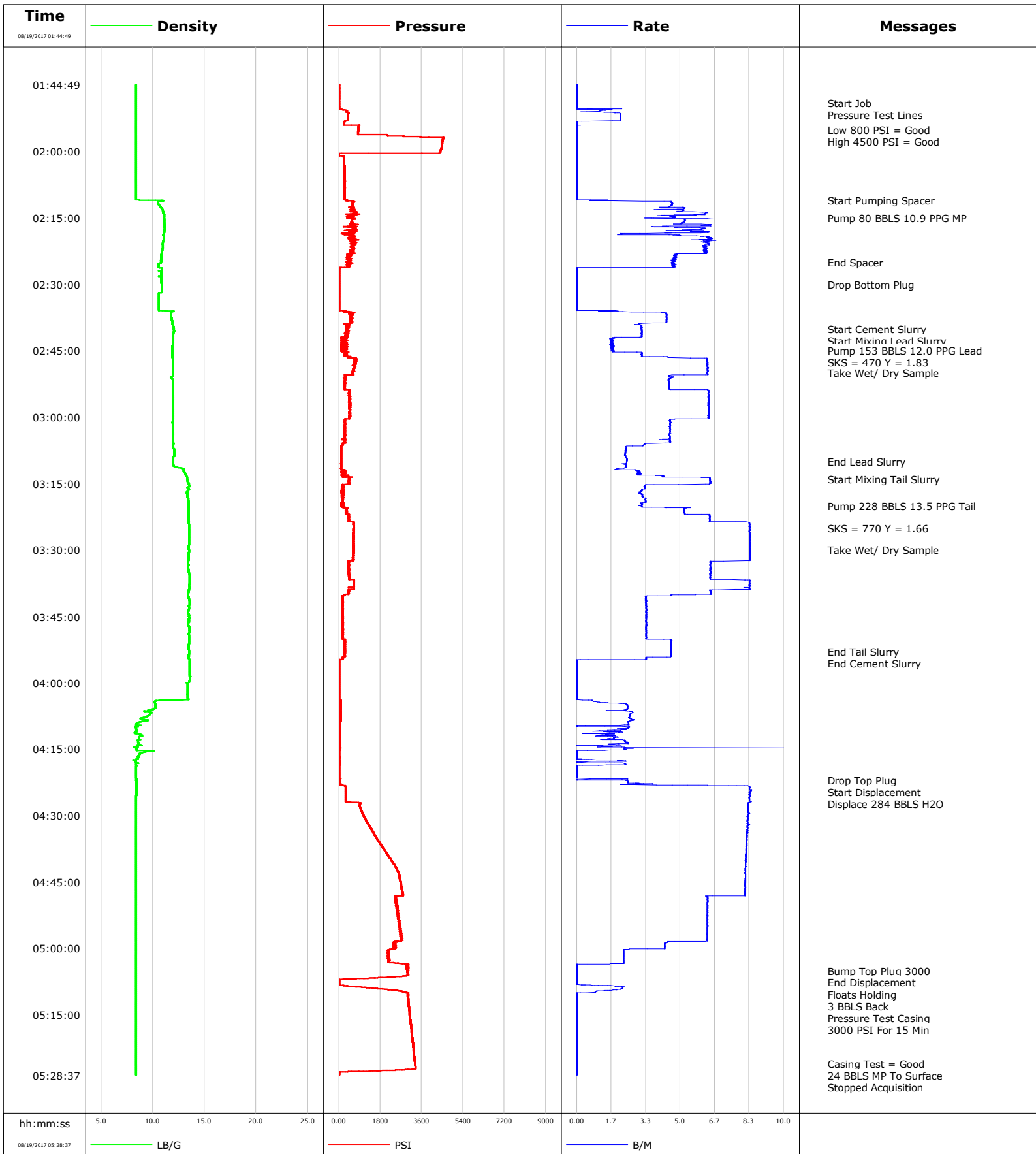


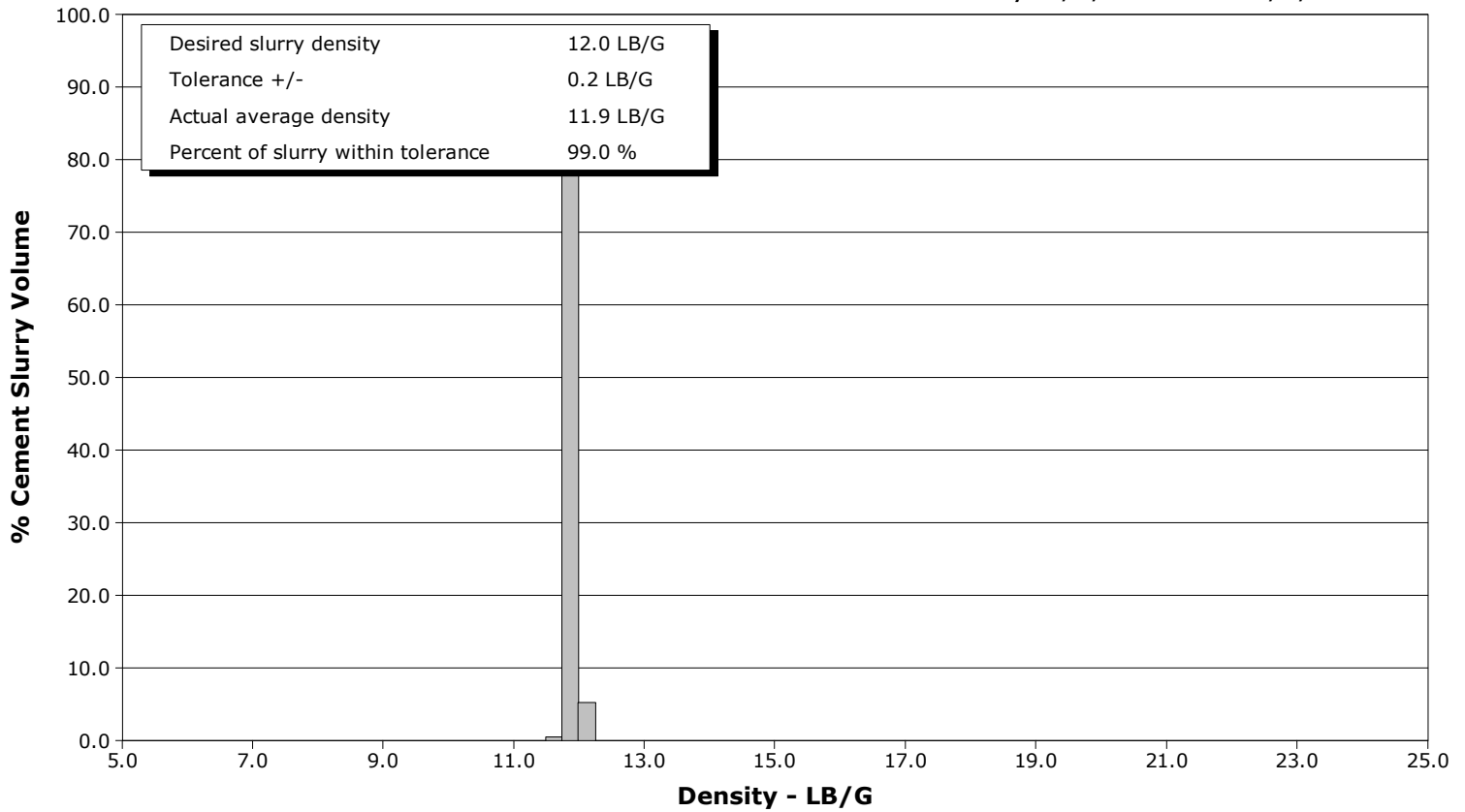
Well	Cannon	Client	Anadarko
Field	Wattenberg	SIR No.	2558366
Engineer	Conley jensen/ Sheldon Bell	Job Type	5.5" Monobore
Country	United States	Job Date	08-19-2017



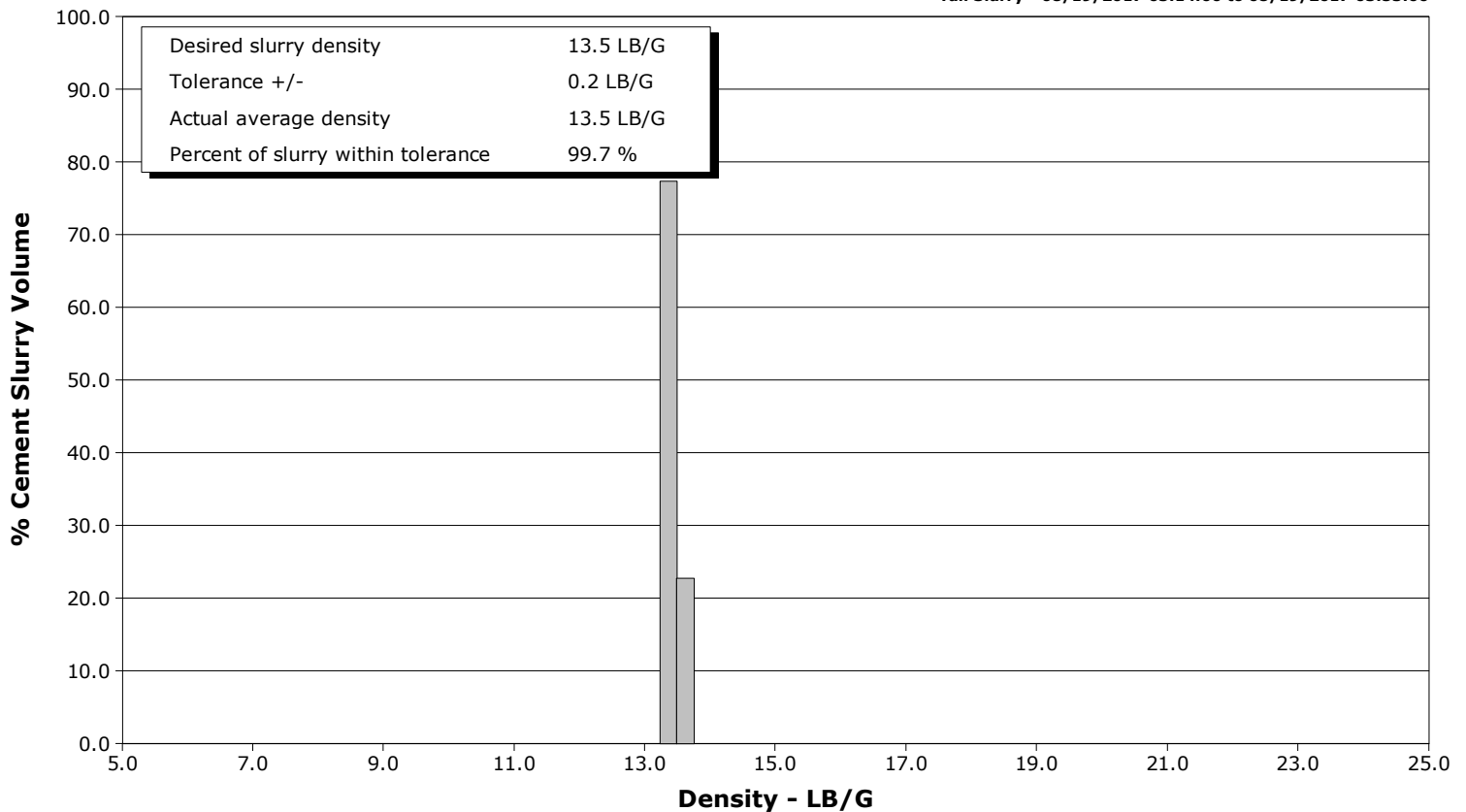
Well Cannon
Field Wattenberg
Engineer Conley jensen/ Sheldon Bell
Country United States

Client Anadarko
SIR No. 2558366
Job Type 5.5" Monobore
Job Date 08-19-2017

Lead Slurry - 08/19/2017 02:40:00 to 08/19/2017 03:10:00



Tail Slurry - 08/19/2017 03:14:00 to 08/19/2017 03:53:00



				Customer Anadarko			Job Number 2558366								
Well Cannon 3N-4HZ			Location (legal)			Schlumberger Location CWY			Job Start Aug/19/2017						
Field Wattenberg		Formation Name/Type Shale			Deviation deg		Bit Size 7.9 in		Well MD 12909.0 ft		Well TVD 7091.0 ft				
County			State/Province Colorado			BHP psi		BHST 223 degF		BHCT 218 degF		Pore Press. Gradient lb/gal			
Well Master 0631719478			API/UWI 05123447980000												
Rig Name Precision 564		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		1864.0		9.6		36.0		J55	8RD		
						12909.0		5.5		20.0		P110	8RD		
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" Monobore													
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					Diameter in	
							ft		ft						
							Treat Down Casing		Displacement 284.0 bbl		Packer Type		Packer Depth ft		
							Tubing Vol. bbl		Casing Vol. 286.0 bbl		Annular Vol. 430.0 bbl		Openhole Vol. 748.0 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 12909.0 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 Aug/19/2017 00:00		Arrived on Location Aug/19/2017 00:00			Leave Location Aug/19/2017 07:00			Collar Type Float			Tail Pipe Depth ft				
								Collar Depth 12818.0 ft			Sqz. Total Vol. bbl				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message									
08/19/2017	01:44:49	0	0.0	8.37	0.0	Started Acquisition									
08/19/2017	01:46:19	1	0.0	8.37	0.0										
08/19/2017	01:47:49	1	0.0	8.37	0.0										
08/19/2017	01:49:00	1	0.0	8.37	0.0	Start Job									
08/19/2017	01:49:19	0	0.0	8.37	0.0										
08/19/2017	01:50:00	16	0.0	8.37	0.0	Pressure Test Lines									
08/19/2017	01:50:49	350	1.1	8.37	0.7										
08/19/2017	01:52:19	398	2.1	8.36	3.4										
08/19/2017	01:53:49	236	0.0	8.37	5.1										
08/19/2017	01:55:00	845	0.0	8.37	5.1	Low 800 PSI = Good									
08/19/2017	01:55:19	840	0.0	8.37	5.1										
08/19/2017	01:56:49	4547	0.0	8.37	5.1										
08/19/2017	01:58:19	4479	0.0	8.37	5.1										
08/19/2017	01:59:49	4413	0.0	8.37	5.1										
08/19/2017	02:01:19	214	0.0	8.37	5.1										
08/19/2017	02:02:49	233	0.0	8.37	5.1										
08/19/2017	02:04:19	250	0.0	8.37	5.1										
08/19/2017	02:05:49	258	0.0	8.37	5.1										
08/19/2017	02:07:19	257	0.0	8.37	0.0										
08/19/2017	02:08:49	258	0.0	8.36	0.0										
08/19/2017	02:10:19	258	0.0	8.36	0.0										

Well Cannon 3N-4HZ			Field Wattenberg		Job Start Aug/19/2017	Customer Anadarko		Job Number 2558366
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
08/19/2017	02:11:49	603	4.6	10.52	3.2			
08/19/2017	02:13:19	599	5.1	10.96	10.4			
08/19/2017	02:14:49	626	4.8	11.07	18.4			
08/19/2017	02:15:00	370	3.7	11.08	19.3	Pump 80 BBLs 10.9 PPG MP		
08/19/2017	02:16:19	542	5.1	11.11	26.0			
08/19/2017	02:17:49	365	4.3	11.11	34.4			
08/19/2017	02:19:19	670	6.4	11.06	41.6			
08/19/2017	02:20:49	662	6.4	10.94	51.1			
08/19/2017	02:22:19	531	6.3	10.90	60.4			
08/19/2017	02:23:49	509	4.7	10.82	68.7			
08/19/2017	02:25:00	309	4.6	10.79	74.3	End Spacer		
08/19/2017	02:25:19	381	4.7	10.59	75.8			
08/19/2017	02:26:49	18	0.0	10.73	79.9			
08/19/2017	02:28:19	17	0.0	10.80	79.9			
08/19/2017	02:29:49	18	0.0	10.84	0.0			
08/19/2017	02:30:00	18	0.0	10.84	0.0	Drop Bottom Plug		
08/19/2017	02:31:19	19	0.0	10.86	0.0			
08/19/2017	02:32:49	19	0.0	10.55	0.0			
08/19/2017	02:34:19	19	0.0	10.55	0.0			
08/19/2017	02:35:49	19	0.0	10.56	0.0			
08/19/2017	02:37:19	538	4.3	11.79	5.1			
08/19/2017	02:38:49	373	3.0	11.90	11.6			
08/19/2017	02:40:00	404	3.1	12.01	15.2	Start Cement Slurry		
08/19/2017	02:40:19	319	3.1	12.02	16.2			
08/19/2017	02:41:49	308	3.1	11.94	20.9			
08/19/2017	02:43:19	134	1.8	11.94	23.7			
08/19/2017	02:44:49	114	1.7	11.87	26.3			
08/19/2017	02:45:00	142	1.8	11.87	26.6	Pump 153 BBLs 12.0 PPG Lead		
08/19/2017	02:46:19	506	4.4	11.88	30.4			
08/19/2017	02:47:49	749	6.3	11.93	39.3			
08/19/2017	02:49:19	641	6.3	11.92	48.8			
08/19/2017	02:50:00	609	6.3	11.93	53.1	Take Wet/ Dry Sample		
08/19/2017	02:50:49	282	4.5	11.87	57.6			
08/19/2017	02:52:19	246	4.5	11.92	64.3			
08/19/2017	02:53:49	485	6.3	11.93	71.1			
08/19/2017	02:55:19	437	6.4	11.95	80.6			
08/19/2017	02:56:49	484	6.4	11.97	90.2			
08/19/2017	02:58:19	472	6.4	11.97	99.7			
08/19/2017	02:59:49	499	6.4	11.94	109.3			
08/19/2017	03:01:19	278	4.5	11.91	117.2			
08/19/2017	03:02:49	249	4.5	11.93	123.9			
08/19/2017	03:04:19	249	4.5	11.93	130.7			
08/19/2017	03:05:49	283	4.5	11.98	137.4			
08/19/2017	03:07:19	94	2.4	12.06	141.7			
08/19/2017	03:08:49	94	2.4	12.03	145.2			
08/19/2017	03:10:00	94	2.4	11.97	148.1	End Lead Slurry		
08/19/2017	03:10:19	95	2.4	11.97	148.8			
08/19/2017	03:11:49	116	2.2	12.94	0.8			
08/19/2017	03:13:19	231	4.1	13.23	5.4			
08/19/2017	03:14:00	440	6.5	13.30	9.2	Start Mixing Tail Slurry		
08/19/2017	03:14:49	456	6.5	13.43	14.5			
08/19/2017	03:16:19	148	3.2	13.49	20.6			
08/19/2017	03:17:49	201	3.2	13.32	25.3			
08/19/2017	03:19:19	234	3.2	13.42	30.2			

Well Cannon 3N-4HZ			Field Wattenberg		Job Start Aug/19/2017	Customer Anadarko	Job Number 2558366
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
08/19/2017	03:20:49	355	5.2	13.45	35.7		
08/19/2017	03:22:19	436	6.4	13.44	44.0		
08/19/2017	03:23:49	634	8.3	13.46	53.9		
08/19/2017	03:25:00	639	8.4	13.50	63.8	SKS = 770 Y = 1.66	
08/19/2017	03:25:19	630	8.4	13.49	66.4		
08/19/2017	03:26:49	646	8.4	13.48	79.0		
08/19/2017	03:28:19	624	8.4	13.48	91.5		
08/19/2017	03:29:49	657	8.4	13.47	104.1		
08/19/2017	03:30:00	647	8.4	13.47	105.6	Take Wet/ Dry Sample	
08/19/2017	03:31:19	647	8.4	13.45	116.6		
08/19/2017	03:32:49	438	6.4	13.38	128.5		
08/19/2017	03:34:19	430	6.5	13.43	138.2		
08/19/2017	03:35:49	435	6.5	13.54	147.9		
08/19/2017	03:37:19	643	8.4	13.53	158.7		
08/19/2017	03:38:49	653	8.3	13.50	171.2		
08/19/2017	03:40:19	177	4.5	13.42	180.8		
08/19/2017	03:41:49	179	3.3	13.55	185.9		
08/19/2017	03:43:19	150	3.3	13.49	190.9		
08/19/2017	03:44:49	162	3.3	13.48	195.9		
08/19/2017	03:46:19	156	3.4	13.48	201.0		
08/19/2017	03:47:49	158	3.3	13.55	206.0		
08/19/2017	03:49:19	164	3.3	13.48	211.0		
08/19/2017	03:50:49	260	4.6	13.47	216.8		
08/19/2017	03:52:19	253	4.6	13.46	223.7		
08/19/2017	03:53:00	268	4.6	13.48	226.8	End Tail Slurry	
08/19/2017	03:53:49	258	4.6	13.46	230.5		
08/19/2017	03:55:19	17	0.0	13.56	234.1		
08/19/2017	03:56:49	18	0.0	13.55	234.1		
08/19/2017	03:58:19	18	0.0	13.54	234.1		
08/19/2017	03:59:49	18	0.0	13.51	234.1		
08/19/2017	04:01:19	16	0.0	13.34	234.1		
08/19/2017	04:02:49	16	0.0	13.34	234.1		
08/19/2017	04:04:19	72	1.0	10.15	0.0		
08/19/2017	04:05:49	71	2.4	10.18	3.3		
08/19/2017	04:07:19	72	2.6	9.63	7.0		
08/19/2017	04:08:49	62	2.5	8.80	10.9		
08/19/2017	04:10:19	62	2.5	8.37	13.9		
08/19/2017	04:11:49	16	1.0	8.97	16.5		
08/19/2017	04:13:19	61	2.4	8.58	19.2		
08/19/2017	04:14:49	61	2.5	8.43	22.6		
08/19/2017	04:16:19	9	0.0	8.66	23.7		
08/19/2017	04:17:49	1	0.4	8.36	24.6		
08/19/2017	04:19:19	11	0.0	8.38	25.9		
08/19/2017	04:20:49	14	0.0	8.37	25.9		
08/19/2017	04:22:00	18	0.0	8.38	0.4	Drop Top Plug	
08/19/2017	04:22:19	39	2.5	8.42	1.1		
08/19/2017	04:23:49	286	8.3	8.40	9.0		
08/19/2017	04:25:00	286	8.3	8.41	18.9	Displace 284 BBLs H2O	
08/19/2017	04:25:19	288	8.3	8.41	21.6		
08/19/2017	04:26:49	284	8.4	8.38	34.1		
08/19/2017	04:28:19	940	8.3	8.37	46.5		
08/19/2017	04:29:49	1056	8.3	8.37	59.0		
08/19/2017	04:31:19	1209	8.2	8.37	71.3		
08/19/2017	04:32:49	1389	8.3	8.37	83.7		

Well		Field		Job Start		Customer		Job Number	
Cannon 3N-4HZ		Wattenberg		Aug/19/2017		Anadarko		2558366	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/19/2017	04:35:49	1730	8.2	8.37	108.4				
08/19/2017	04:37:19	1914	8.2	8.37	120.7				
08/19/2017	04:38:49	2111	8.2	8.37	133.0				
08/19/2017	04:40:19	2302	8.2	8.37	145.2				
08/19/2017	04:41:49	2487	8.1	8.37	157.4				
08/19/2017	04:43:19	2620	8.2	8.37	169.6				
08/19/2017	04:44:49	2667	8.1	8.37	181.9				
08/19/2017	04:46:19	2727	8.1	8.37	194.1				
08/19/2017	04:47:49	2783	8.1	8.37	206.3				
08/19/2017	04:49:19	2488	6.3	8.37	216.3				
08/19/2017	04:50:49	2521	6.3	8.37	225.8				
08/19/2017	04:52:19	2557	6.3	8.37	235.3				
08/19/2017	04:53:49	2603	6.3	8.37	244.7				
08/19/2017	04:55:19	2635	6.3	8.37	254.2				
08/19/2017	04:56:49	2677	6.3	8.37	263.6				
08/19/2017	04:58:19	2708	6.3	8.37	273.1				
08/19/2017	04:59:49	2468	4.2	8.37	279.7				
08/19/2017	05:01:19	2190	2.3	8.37	283.7				
08/19/2017	05:02:49	2194	2.3	8.37	287.1				
08/19/2017	05:04:19	2932	0.0	8.37	288.7				
08/19/2017	05:05:00	2969	0.0	8.37	288.7	Bump Top Plug 3000			
08/19/2017	05:05:49	2984	0.0	8.37	288.7				
08/19/2017	05:07:00	36	0.0	8.37	288.7	Floats Holding			
08/19/2017	05:07:19	5	0.0	8.37	288.7				
08/19/2017	05:08:49	1126	2.2	8.37	289.7				
08/19/2017	05:10:00	2990	0.2	8.37	291.6	Pressure Test Casing			
08/19/2017	05:10:19	2986	0.0	8.37	291.6				
08/19/2017	05:11:49	3015	0.0	8.36	291.6				
08/19/2017	05:13:19	3042	0.0	8.37	291.6				
08/19/2017	05:14:49	3074	0.0	8.37	291.6				
08/19/2017	05:16:19	3106	0.0	8.36	291.6				
08/19/2017	05:17:49	3138	0.0	8.37	291.6				
08/19/2017	05:19:19	3170	0.0	8.37	291.6				
08/19/2017	05:20:49	3200	0.0	8.37	291.6				
08/19/2017	05:22:19	3231	0.0	8.37	291.6				
08/19/2017	05:23:49	3261	0.0	8.36	291.6				
08/19/2017	05:25:19	3292	0.0	8.36	291.6				
08/19/2017	05:26:00	3305	0.0	8.36	291.6	Casing Test = Good			
08/19/2017	05:26:49	3322	0.0	8.36	291.6				
08/19/2017	05:27:00	3323	0.0	8.36	291.6	24 BBLs MP To Surface			
08/19/2017	05:28:19	1	0.0	8.37	291.6				

Well Cannon 3N-4HZ	Field Wattenberg	Job Start Aug/19/2017	Customer Anadarko	Job Number 2558366
------------------------------	----------------------------	---------------------------------	-----------------------------	------------------------------

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 381.0	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 381.0 bbl		Displacement 284.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl		
					Washed Thru Perfs <input type="checkbox"/>	To ft		
Customer or Authorized Representative Joe Wallen			Schlumberger Supervisor Conley jensen/ Sheldon Bell			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-		-	