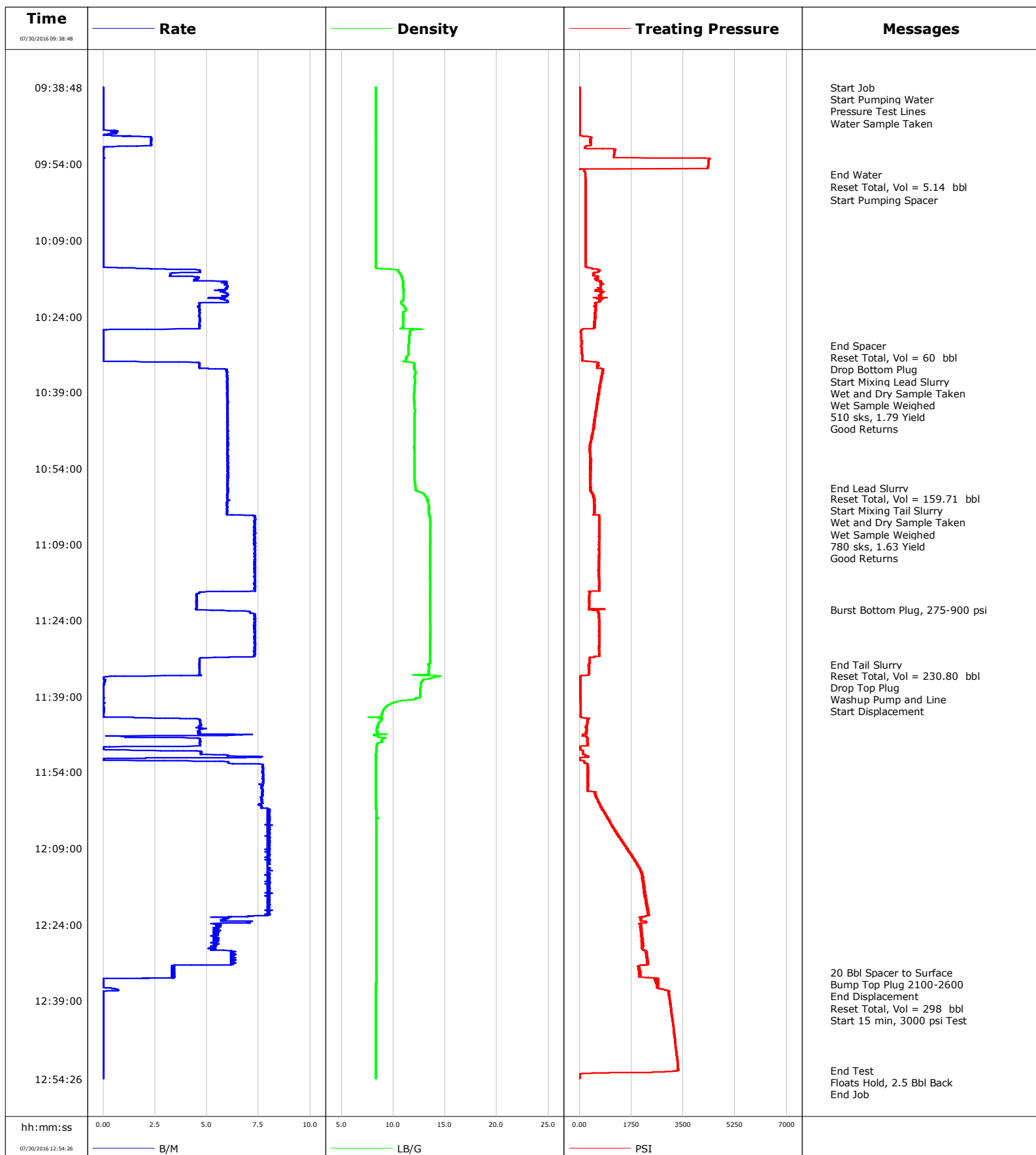


Well Land 37N-32HZ
Field Wattenberg
Engineer Ryan Drilling/Taylor Baird
Country United States

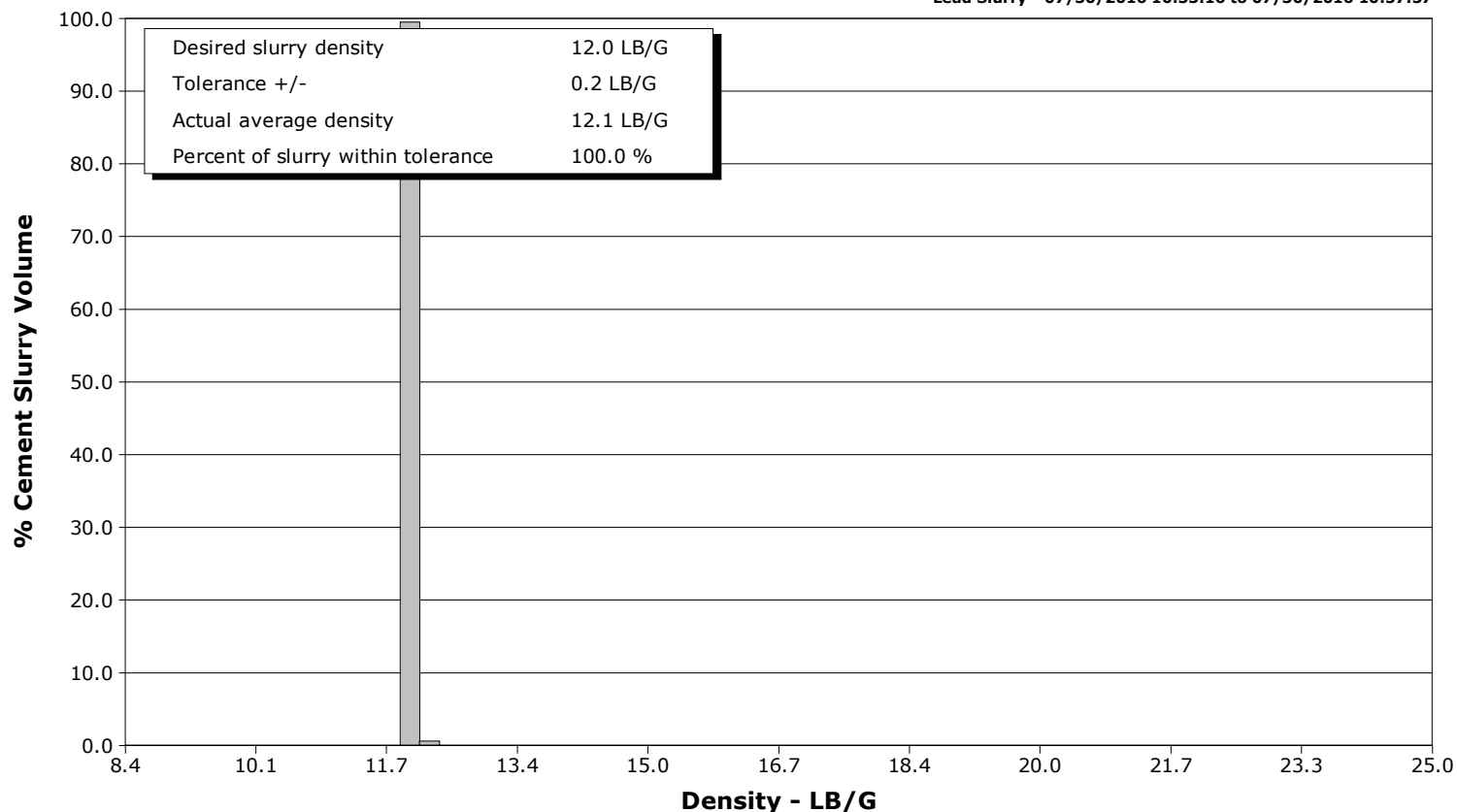
Client Anadarko
SIR No. DMBW-00262
Job Type 5.5 Production
Job Date 07-30-2016



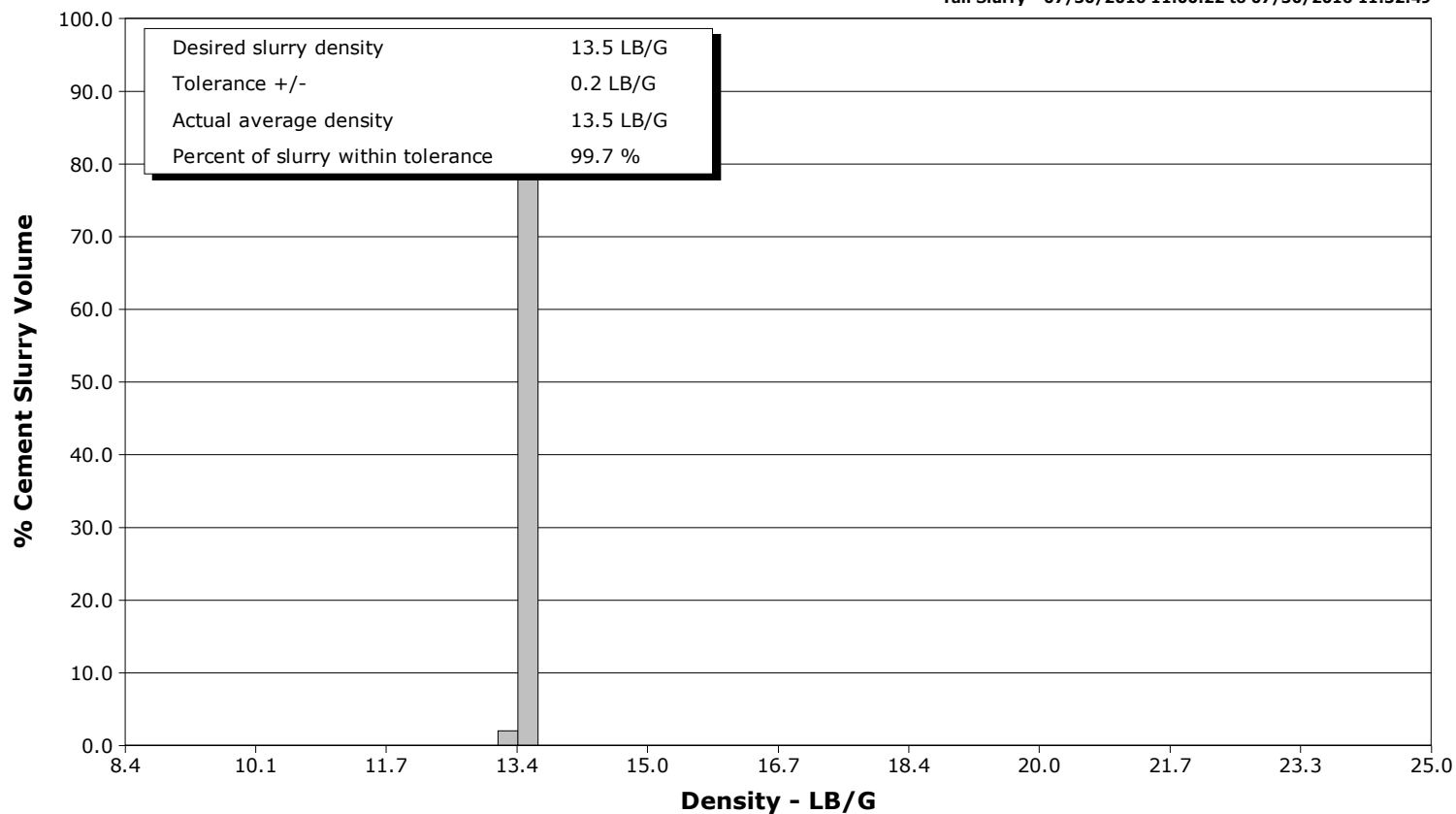
Well Land 37N-32HZ
Field Wattenberg
Engineer Ryan Drilling/Taylor Baird
Country United States

Client Anadarko
SIR No. DMBW-00262
Job Type 5.5 Production
Job Date 07-30-2016

Lead Slurry - 07/30/2016 10:33:16 to 07/30/2016 10:57:57



Tail Slurry - 07/30/2016 11:00:22 to 07/30/2016 11:32:49



Cementing Service Report

				Customer Anadarko			Job Number DMBW-00262				
Well Land 37N-32HZ			Location (legal) CWY			Schlumberger Location Rock Springs			Job Start Jul/30/2016		
Field Wattenberg		Formation Name/Type Shale		Deviation 90 deg		Bit Size 7.9 in		Well MD 12951.0 ft		Well TVD 9256.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 227 degF		BHCT 221 degF		Pore Press. Gradient lb/gal	
Well Master 0631662956		API/UWI									
Rig Name Precision 461		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		1500.0		9.6		36.0	
						12951.0		5.5		17.0	
										j55	
										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	
										Diameter in	
						Treat Down Casing		Displacement 298.6 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 12939.0 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 Jul/30/2016 06:00		Arrived on Location Jul/30/2016 06:00		Leave Location Jul/30/2016 14:00		Collar Type Guide			Tail Pipe Depth ft		
						Collar Depth 12859.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
07/30/2016	09:38:48	7	0.0	8.34	0.0	Started Acquisition					
07/30/2016	09:38:53	7	0.0	8.34	0.0	Start Pumping Water					
07/30/2016	09:38:55	7	0.0	8.34	0.0	Pressure Test Lines					
07/30/2016	09:38:56	7	0.0	8.34	0.0	Water Sample Taken					
07/30/2016	09:39:18	7	0.0	8.34	0.0						
07/30/2016	09:39:48	7	0.0	8.34	0.0						
07/30/2016	09:40:18	8	0.0	8.34	0.0						
07/30/2016	09:40:48	7	0.0	8.34	0.0						
07/30/2016	09:41:18	8	0.0	8.34	0.0						
07/30/2016	09:41:48	7	0.0	8.34	0.0						
07/30/2016	09:42:18	7	0.0	8.34	0.0						
07/30/2016	09:43:18	7	0.0	8.34	0.0						
07/30/2016	09:43:48	7	0.0	8.34	0.0						
07/30/2016	09:44:18	7	0.0	8.34	0.0						
07/30/2016	09:44:48	8	0.0	8.34	0.0						
07/30/2016	09:45:18	8	0.0	8.34	0.0						
07/30/2016	09:45:48	8	0.0	8.34	0.0						
07/30/2016	09:46:18	8	0.0	8.34	0.0						
07/30/2016	09:46:48	7	0.0	8.34	0.0						
07/30/2016	09:47:18	11	0.2	8.34	0.0						
07/30/2016	09:47:48	12	0.7	8.34	0.3						

Well			Field	Job Start		Customer	Job Number
Land 37N-32HZ			Wattenberg	Jul/30/2016		Anadarko	DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/30/2016	09:48:48	410	2.3	8.34	1.2		
07/30/2016	09:49:18	368	2.3	8.33	2.4		
07/30/2016	09:49:48	368	2.3	8.33	3.6		
07/30/2016	09:50:18	376	2.3	8.33	4.7		
07/30/2016	09:50:48	183	0.0	8.33	5.1		
07/30/2016	09:51:18	1192	0.0	8.33	5.1		
07/30/2016	09:51:48	1176	0.0	8.33	5.1		
07/30/2016	09:52:18	1170	0.0	8.33	5.1		
07/30/2016	09:52:48	4049	0.1	8.33	5.1		
07/30/2016	09:53:18	4358	0.0	8.33	5.1		
07/30/2016	09:53:48	4346	0.0	8.33	5.1		
07/30/2016	09:54:18	4339	0.0	8.33	5.1		
07/30/2016	09:54:48	4335	0.0	8.33	5.1		
07/30/2016	09:55:18	165	0.0	8.33	5.1		
07/30/2016	09:55:48	187	0.0	8.33	5.1		
07/30/2016	09:56:04	191	0.0	8.33	5.1	End Water	
07/30/2016	09:56:05	193	0.0	8.33	5.1	Reset Total, Vol = 5.14 bbl	
07/30/2016	09:56:18	196	0.0	8.33	0.0		
07/30/2016	09:56:48	202	0.0	8.33	0.0		
07/30/2016	09:57:18	209	0.0	8.33	0.0		
07/30/2016	09:57:48	211	0.0	8.33	0.0		
07/30/2016	09:58:18	212	0.0	8.33	0.0		
07/30/2016	09:58:48	214	0.0	8.33	0.0		
07/30/2016	09:59:18	214	0.0	8.33	0.0		
07/30/2016	09:59:48	214	0.0	8.33	0.0		
07/30/2016	10:00:18	214	0.0	8.33	0.0		
07/30/2016	10:00:48	213	0.0	8.33	0.0		
07/30/2016	10:00:58	213	0.0	8.33	0.0	Start Pumping Spacer	
07/30/2016	10:01:18	213	0.0	8.33	0.0		
07/30/2016	10:01:48	213	0.0	8.33	0.0		
07/30/2016	10:02:18	212	0.0	8.33	0.0		
07/30/2016	10:02:48	213	0.0	8.33	0.0		
07/30/2016	10:03:48	213	0.0	8.34	0.0		
07/30/2016	10:04:18	213	0.0	8.34	0.0		
07/30/2016	10:04:48	214	0.0	8.33	0.0		
07/30/2016	10:05:18	212	0.0	8.33	0.0		
07/30/2016	10:05:48	211	0.0	8.34	0.0		
07/30/2016	10:06:18	212	0.0	8.34	0.0		
07/30/2016	10:06:48	214	0.0	8.34	0.0		
07/30/2016	10:07:18	213	0.0	8.34	0.0		
07/30/2016	10:07:48	212	0.0	8.34	0.0		
07/30/2016	10:08:18	213	0.0	8.34	0.0		
07/30/2016	10:08:48	212	0.0	8.34	0.0		
07/30/2016	10:09:18	212	0.0	8.34	0.0		
07/30/2016	10:09:48	209	0.0	8.34	0.0		
07/30/2016	10:10:18	211	0.0	8.34	0.0		
07/30/2016	10:11:18	211	0.0	8.34	0.0		
07/30/2016	10:11:48	211	0.0	8.33	0.0		
07/30/2016	10:12:18	211	0.0	8.34	0.0		
07/30/2016	10:12:48	211	0.0	8.34	0.0		
07/30/2016	10:13:18	209	0.0	8.34	0.0		
07/30/2016	10:13:48	208	0.0	8.34	0.0		
07/30/2016	10:14:18	207	0.0	8.34	0.0		
07/30/2016	10:14:48	615	4.5	10.23	0.9		

Well			Field	Job Start		Customer	Job Number
Land 37N-32HZ			Wattenberg	Jul/30/2016		Anadarko	DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/30/2016	10:15:48	485	3.3	10.74	5.0		
07/30/2016	10:16:18	608	4.6	10.83	6.8		
07/30/2016	10:16:48	607	4.4	10.91	9.0		
07/30/2016	10:17:18	680	5.9	10.96	11.6		
07/30/2016	10:17:48	728	5.9	10.94	14.6		
07/30/2016	10:18:18	711	6.0	10.96	17.5		
07/30/2016	10:18:48	547	5.9	11.03	20.5		
07/30/2016	10:19:18	730	5.8	11.00	23.4		
07/30/2016	10:19:48	733	6.0	10.99	26.3		
07/30/2016	10:20:18	680	5.9	11.00	29.3		
07/30/2016	10:20:48	707	5.9	10.98	32.1		
07/30/2016	10:21:18	570	5.6	10.75	35.1		
07/30/2016	10:21:48	562	4.6	10.92	37.4		
07/30/2016	10:22:18	542	4.7	11.17	39.7		
07/30/2016	10:22:48	551	4.7	11.20	42.1		
07/30/2016	10:23:18	518	4.7	10.96	44.4		
07/30/2016	10:23:48	523	4.7	10.97	46.7		
07/30/2016	10:24:18	515	4.6	10.96	49.1		
07/30/2016	10:24:48	522	4.7	10.96	51.4		
07/30/2016	10:25:18	526	4.7	10.98	53.7		
07/30/2016	10:25:48	500	4.6	10.95	56.0		
07/30/2016	10:26:18	487	4.7	10.87	58.4		
07/30/2016	10:26:48	51	0.0	11.65	59.6		
07/30/2016	10:27:18	62	0.0	11.59	59.6		
07/30/2016	10:27:48	64	0.0	11.56	59.6		
07/30/2016	10:28:18	56	0.0	11.54	59.6		
07/30/2016	10:28:48	78	0.0	11.53	59.6		
07/30/2016	10:29:18	69	0.0	11.51	59.6		
07/30/2016	10:29:48	63	0.0	11.50	59.6		
07/30/2016	10:29:50	63	0.0	11.49	59.6	End Spacer	
07/30/2016	10:29:51	63	0.0	11.49	59.6	Reset Total, Vol = 60 bbl	
07/30/2016	10:29:54	64	0.0	11.50	0.0	Drop Bottom Plug	
07/30/2016	10:30:18	75	0.0	11.49	0.0		
07/30/2016	10:30:48	80	0.0	11.48	0.0		
07/30/2016	10:31:18	83	0.0	11.48	0.0		
07/30/2016	10:31:48	86	0.0	11.42	0.0		
07/30/2016	10:32:18	89	0.0	11.24	0.0		
07/30/2016	10:32:48	91	0.0	11.21	0.0		
07/30/2016	10:33:16	617	4.6	12.03	1.3	Start Mixing Lead Slurry	
07/30/2016	10:33:18	628	4.6	12.03	1.4	Wet and Dry Sample Taken	
07/30/2016	10:33:19	628	4.6	12.03	1.5	510 sks, 1.79 Yield	
07/30/2016	10:33:48	597	4.6	12.02	3.8		
07/30/2016	10:34:18	740	4.7	12.04	6.1		
07/30/2016	10:34:48	771	6.0	12.12	9.0		
07/30/2016	10:35:18	775	6.0	12.14	12.0		
07/30/2016	10:35:48	769	6.0	12.08	15.0		
07/30/2016	10:36:18	726	6.0	12.07	17.9		
07/30/2016	10:36:48	758	6.0	12.11	20.9		
07/30/2016	10:37:18	701	6.0	12.10	23.9		
07/30/2016	10:37:48	694	6.0	12.07	26.9		
07/30/2016	10:38:18	669	6.0	12.08	29.9		
07/30/2016	10:38:48	685	6.0	12.06	32.9		
07/30/2016	10:39:18	632	6.0	12.01	35.9		
07/30/2016	10:39:48	633	6.0	12.00	38.9		

Well			Field	Job Start		Customer		Job Number	
Land 37N-32HZ			Wattenberg		Jul/30/2016		Anadarko		DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/30/2016	10:40:48	627	6.0	12.03	44.9				
07/30/2016	10:41:18	594	6.0	12.03	47.9				
07/30/2016	10:41:48	579	6.0	12.05	50.9				
07/30/2016	10:42:18	557	6.0	12.08	53.9				
07/30/2016	10:42:48	574	6.0	12.08	56.8				
07/30/2016	10:43:18	537	6.0	12.08	59.8				
07/30/2016	10:43:48	539	6.0	12.06	62.8				
07/30/2016	10:44:18	505	6.0	12.04	65.8				
07/30/2016	10:44:48	505	6.0	12.06	68.8				
07/30/2016	10:45:18	473	6.0	12.07	71.8				
07/30/2016	10:45:48	485	6.0	12.07	74.8				
07/30/2016	10:46:18	469	6.0	12.06	77.8				
07/30/2016	10:46:48	446	6.0	12.07	80.8				
07/30/2016	10:47:18	433	6.0	12.07	83.8				
07/30/2016	10:47:48	411	6.0	12.07	86.8				
07/30/2016	10:48:18	404	6.0	12.07	89.8				
07/30/2016	10:48:48	372	6.0	12.07	92.8				
07/30/2016	10:49:18	355	6.0	12.05	95.8				
07/30/2016	10:49:48	356	6.0	12.03	98.8				
07/30/2016	10:50:18	360	6.0	12.04	101.8				
07/30/2016	10:50:48	361	6.0	12.05	104.8				
07/30/2016	10:51:18	366	6.0	12.04	107.8				
07/30/2016	10:51:48	387	6.0	12.07	110.8				
07/30/2016	10:52:18	371	6.0	12.08	113.8				
07/30/2016	10:52:48	385	6.0	12.08	116.8				
07/30/2016	10:53:18	373	6.0	12.07	119.8				
07/30/2016	10:53:48	358	6.0	12.06	122.8				
07/30/2016	10:54:18	371	6.0	12.06	125.8				
07/30/2016	10:54:48	381	6.0	12.07	128.8				
07/30/2016	10:55:18	352	6.0	12.07	131.8				
07/30/2016	10:55:48	370	6.0	12.06	134.8				
07/30/2016	10:56:18	370	6.0	12.06	137.8				
07/30/2016	10:56:48	373	6.0	12.09	140.8				
07/30/2016	10:57:18	358	6.0	12.12	143.8				
07/30/2016	10:57:48	380	6.0	12.14	146.8				
07/30/2016	10:57:57	358	6.0	12.17	147.7	End Lead Slurry			
07/30/2016	10:58:18	377	6.0	12.18	149.8				
07/30/2016	10:58:48	412	6.0	12.74	152.8				
07/30/2016	10:59:18	472	6.0	13.04	155.8				
07/30/2016	10:59:48	474	6.0	13.23	158.8				
07/30/2016	10:59:57	481	6.0	13.28	159.7	Reset Total, Vol = 159.71 bbl			
07/30/2016	11:00:18	490	6.1	13.30	2.1				
07/30/2016	11:00:22	486	6.1	13.27	2.5	Start Mixing Tail Slurry			
07/30/2016	11:00:23	486	6.0	13.27	2.6	Wet and Dry Sample Taken			
07/30/2016	11:00:24	506	6.0	13.28	2.7	Wet Sample Weighed			
07/30/2016	11:00:48	498	6.0	13.38	5.1				
07/30/2016	11:01:18	509	6.0	13.44	8.1				
07/30/2016	11:01:48	509	6.0	13.47	11.1				
07/30/2016	11:02:18	510	6.0	13.47	14.1				
07/30/2016	11:02:48	499	6.0	13.47	17.0				
07/30/2016	11:03:18	664	7.2	13.48	20.1				
07/30/2016	11:03:48	677	7.3	13.55	23.8				
07/30/2016	11:04:18	678	7.3	13.58	27.4				
07/30/2016	11:04:48	674	7.3	13.59	31.1				

Well			Field		Job Start	Customer	Job Number
Land 37N-32HZ			Wattenberg		Jul/30/2016	Anadarko	DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/30/2016	11:05:48	682	7.3	13.59	38.4		
07/30/2016	11:06:18	682	7.3	13.60	42.0		
07/30/2016	11:06:48	667	7.4	13.59	45.7		
07/30/2016	11:07:18	666	7.3	13.58	49.3		
07/30/2016	11:07:48	679	7.3	13.58	53.0		
07/30/2016	11:08:18	672	7.3	13.57	56.6		
07/30/2016	11:08:48	667	7.3	13.56	60.3		
07/30/2016	11:09:18	663	7.3	13.56	63.9		
07/30/2016	11:09:48	651	7.3	13.54	67.6		
07/30/2016	11:10:18	665	7.3	13.55	71.3		
07/30/2016	11:10:48	661	7.3	13.56	74.9		
07/30/2016	11:11:18	661	7.3	13.55	78.6		
07/30/2016	11:11:48	663	7.3	13.54	82.2		
07/30/2016	11:12:18	651	7.3	13.53	85.9		
07/30/2016	11:12:48	664	7.3	13.54	89.5		
07/30/2016	11:13:18	651	7.3	13.53	93.2		
07/30/2016	11:13:48	652	7.3	13.53	96.8		
07/30/2016	11:14:18	659	7.3	13.53	100.5		
07/30/2016	11:14:48	657	7.3	13.53	104.2		
07/30/2016	11:15:18	660	7.3	13.52	107.8		
07/30/2016	11:15:48	667	7.3	13.55	111.5		
07/30/2016	11:16:18	658	7.3	13.57	115.1		
07/30/2016	11:16:48	665	7.3	13.57	118.8		
07/30/2016	11:17:18	676	7.3	13.57	122.4		
07/30/2016	11:17:48	673	7.3	13.57	126.1		
07/30/2016	11:18:18	352	6.4	13.57	129.7		
07/30/2016	11:18:48	327	4.5	13.57	132.1		
07/30/2016	11:19:18	339	4.5	13.54	134.4		
07/30/2016	11:19:48	330	4.5	13.55	136.6		
07/30/2016	11:20:18	325	4.5	13.55	138.9		
07/30/2016	11:20:48	334	4.5	13.56	141.1		
07/30/2016	11:21:18	333	4.5	13.55	143.4		
07/30/2016	11:21:48	863	4.5	13.54	145.6		
07/30/2016	11:21:58	459	4.6	13.53	146.4	Burst Bottom Plug, 275-900 psi	
07/30/2016	11:22:18	624	7.1	13.53	148.5		
07/30/2016	11:22:48	658	7.3	13.54	152.1		
07/30/2016	11:23:18	665	7.3	13.54	155.7		
07/30/2016	11:23:48	660	7.3	13.57	159.4		
07/30/2016	11:24:18	651	7.3	13.58	163.0		
07/30/2016	11:24:48	671	7.3	13.58	166.7		
07/30/2016	11:25:18	675	7.3	13.58	170.3		
07/30/2016	11:25:48	667	7.3	13.58	174.0		
07/30/2016	11:26:18	675	7.3	13.57	177.6		
07/30/2016	11:26:48	668	7.3	13.58	181.3		
07/30/2016	11:27:18	656	7.3	13.57	184.9		
07/30/2016	11:27:48	670	7.3	13.57	188.6		
07/30/2016	11:28:18	665	7.3	13.56	192.2		
07/30/2016	11:28:48	656	7.3	13.55	195.9		
07/30/2016	11:29:18	661	7.3	13.55	199.6		
07/30/2016	11:29:48	667	7.3	13.55	203.2		
07/30/2016	11:30:18	665	7.3	13.54	206.9		
07/30/2016	11:30:48	681	7.3	13.58	210.5		
07/30/2016	11:31:18	341	6.0	13.54	214.1		
07/30/2016	11:31:48	335	4.7	13.54	216.5		

Well			Field	Job Start		Customer	Job Number
Land 37N-32HZ			Wattenberg	Jul/30/2016		Anadarko	DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/30/2016	11:32:48	311	4.6	13.35	221.1		
07/30/2016	11:32:49	314	4.6	13.36	221.2	End Tail Slurry	
07/30/2016	11:33:18	330	4.6	13.47	223.4		
07/30/2016	11:33:48	306	4.7	13.45	225.8		
07/30/2016	11:34:18	307	4.7	13.45	228.1		
07/30/2016	11:34:48	290	4.6	11.90	230.4		
07/30/2016	11:34:53	232	4.7	12.48	230.8	Reset Total, Vol = 230.80 bbl	
07/30/2016	11:34:55	60	4.5	12.85	0.2	Drop Top Plug	
07/30/2016	11:34:56	72	3.8	12.85	0.2	Washup Pump and Line	
07/30/2016	11:34:57	72	3.8	13.34	0.3	Start Displacement	
07/30/2016	11:35:18	19	0.0	13.86	0.5		
07/30/2016	11:35:48	18	0.1	12.86	0.5		
07/30/2016	11:36:18	18	0.1	12.69	0.5		
07/30/2016	11:36:48	20	0.0	12.67	0.5		
07/30/2016	11:37:18	20	0.0	12.65	0.5		
07/30/2016	11:37:48	23	0.0	12.63	0.5		
07/30/2016	11:38:18	26	0.0	12.61	0.5		
07/30/2016	11:38:48	28	0.0	12.58	0.5		
07/30/2016	11:39:18	32	0.0	12.41	0.5		
07/30/2016	11:39:48	34	0.0	11.03	0.5		
07/30/2016	11:40:18	34	0.1	9.96	0.5		
07/30/2016	11:40:48	35	0.0	9.49	0.5		
07/30/2016	11:41:18	35	0.0	9.19	0.6		
07/30/2016	11:41:48	36	0.0	9.03	0.6		
07/30/2016	11:42:18	36	0.0	8.94	0.6		
07/30/2016	11:42:48	35	0.0	8.85	0.6		
07/30/2016	11:43:18	264	2.7	8.77	0.9		
07/30/2016	11:43:48	274	4.7	8.84	3.1		
07/30/2016	11:44:18	261	4.7	8.57	5.5		
07/30/2016	11:44:48	255	4.7	8.49	7.8		
07/30/2016	11:45:18	239	4.7	8.44	10.1		
07/30/2016	11:45:48	238	4.7	8.42	12.5		
07/30/2016	11:46:18	216	4.6	8.48	14.8		
07/30/2016	11:46:48	96	1.0	8.46	17.5		
07/30/2016	11:47:18	272	4.6	9.12	18.5		
07/30/2016	11:47:48	268	4.7	8.84	20.9		
07/30/2016	11:48:18	280	4.7	8.51	23.2		
07/30/2016	11:48:48	151	4.7	8.41	25.6		
07/30/2016	11:49:18	24	0.0	8.38	25.9		
07/30/2016	11:49:48	115	4.5	8.38	26.5		
07/30/2016	11:50:18	118	4.7	8.35	28.9		
07/30/2016	11:50:48	288	6.5	8.35	31.6		
07/30/2016	11:51:18	10	0.1	8.35	34.2		
07/30/2016	11:51:48	163	5.4	8.34	34.7		
07/30/2016	11:52:18	277	7.1	8.34	37.8		
07/30/2016	11:52:48	278	7.7	8.34	41.6		
07/30/2016	11:53:18	278	7.7	8.34	2.7		
07/30/2016	11:53:48	277	7.7	8.34	6.6		
07/30/2016	11:54:18	294	7.7	8.35	10.4		
07/30/2016	11:54:48	284	7.7	8.34	14.3		
07/30/2016	11:55:18	275	7.7	8.34	18.1		
07/30/2016	11:55:48	280	7.7	8.34	22.0		
07/30/2016	11:56:18	275	7.7	8.34	25.8		
07/30/2016	11:56:48	287	7.6	8.34	29.7		

Well			Field	Job Start		Customer	Job Number
Land 37N-32HZ			Wattenberg	Jul/30/2016		Anadarko	DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/30/2016	11:57:48	417	7.7	8.34	37.3		
07/30/2016	11:58:18	547	7.7	8.34	41.2		
07/30/2016	11:58:48	584	7.7	8.34	45.0		
07/30/2016	11:59:18	608	7.7	8.34	48.8		
07/30/2016	11:59:48	662	7.7	8.34	52.6		
07/30/2016	12:00:18	691	7.6	8.34	56.5		
07/30/2016	12:00:48	738	7.6	8.34	60.2		
07/30/2016	12:01:18	773	7.9	8.35	64.1		
07/30/2016	12:01:48	834	8.0	8.37	68.1		
07/30/2016	12:02:18	879	7.9	8.36	72.1		
07/30/2016	12:02:48	924	7.9	8.40	76.0		
07/30/2016	12:03:18	972	7.9	8.39	80.0		
07/30/2016	12:03:48	1034	7.9	8.36	84.0		
07/30/2016	12:04:18	1082	7.9	8.38	88.0		
07/30/2016	12:04:48	1128	8.0	8.36	91.9		
07/30/2016	12:05:18	1179	8.0	8.36	95.9		
07/30/2016	12:05:48	1213	7.9	8.36	99.9		
07/30/2016	12:06:18	1283	7.9	8.37	103.9		
07/30/2016	12:06:48	1350	7.9	8.38	107.8		
07/30/2016	12:07:18	1406	8.0	8.38	111.8		
07/30/2016	12:07:48	1455	7.9	8.37	115.8		
07/30/2016	12:08:18	1517	8.0	8.37	119.8		
07/30/2016	12:08:48	1580	7.9	8.37	123.7		
07/30/2016	12:09:18	1632	7.9	8.38	127.7		
07/30/2016	12:09:48	1696	7.9	8.39	131.7		
07/30/2016	12:10:18	1764	7.9	8.37	135.6		
07/30/2016	12:10:48	1796	7.9	8.37	139.6		
07/30/2016	12:11:18	1867	7.9	8.37	143.6		
07/30/2016	12:11:48	1944	8.0	8.37	147.5		
07/30/2016	12:12:18	1977	7.9	8.38	151.5		
07/30/2016	12:12:48	2038	7.9	8.38	155.5		
07/30/2016	12:13:18	2045	7.9	8.37	159.5		
07/30/2016	12:13:48	2120	7.9	8.37	163.4		
07/30/2016	12:14:18	2124	7.9	8.36	167.4		
07/30/2016	12:14:48	2153	8.0	8.37	171.4		
07/30/2016	12:15:18	2155	7.9	8.38	175.3		
07/30/2016	12:15:48	2140	8.0	8.37	179.3		
07/30/2016	12:16:18	2152	7.9	8.37	183.3		
07/30/2016	12:16:48	2156	8.0	8.37	187.3		
07/30/2016	12:17:18	2188	7.9	8.37	191.2		
07/30/2016	12:17:48	2203	8.0	8.38	195.2		
07/30/2016	12:18:18	2212	8.0	8.38	199.2		
07/30/2016	12:18:48	2212	8.0	8.37	203.2		
07/30/2016	12:19:18	2239	8.0	8.37	207.1		
07/30/2016	12:19:48	2283	7.9	8.37	211.1		
07/30/2016	12:20:18	2285	7.9	8.38	215.1		
07/30/2016	12:20:48	2289	7.9	8.38	219.0		
07/30/2016	12:21:18	2295	7.9	8.38	223.0		
07/30/2016	12:21:48	2352	7.9	8.37	227.0		
07/30/2016	12:22:18	2271	7.3	8.37	230.9		
07/30/2016	12:22:48	2059	6.0	8.37	234.1		
07/30/2016	12:23:18	2067	5.8	8.38	237.0		
07/30/2016	12:23:48	2042	5.2	8.39	240.4		
07/30/2016	12:24:18	2080	5.4	8.39	243.1		

Well			Field	Job Start		Customer	Job Number
Land 37N-32HZ			Wattenberg	Jul/30/2016		Anadarko	DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/30/2016	12:25:18	2093	5.4	8.37	248.6		
07/30/2016	12:25:48	2122	5.6	8.38	251.3		
07/30/2016	12:26:18	2097	5.3	8.38	254.0		
07/30/2016	12:26:48	2133	5.6	8.38	256.8		
07/30/2016	12:27:18	2154	5.3	8.38	259.5		
07/30/2016	12:27:48	2137	5.6	8.39	262.2		
07/30/2016	12:28:18	2163	5.3	8.39	264.9		
07/30/2016	12:28:48	2148	5.3	8.38	267.5		
07/30/2016	12:29:18	2275	6.2	8.37	270.3		
07/30/2016	12:29:48	2281	6.2	8.38	273.4		
07/30/2016	12:30:18	2289	6.2	8.37	276.5		
07/30/2016	12:30:48	2273	6.2	8.38	279.6		
07/30/2016	12:31:18	2288	6.3	8.39	282.7		
07/30/2016	12:31:48	2324	6.2	8.39	285.8		
07/30/2016	12:32:18	1968	3.4	8.38	288.1		
07/30/2016	12:32:48	2024	3.3	8.37	289.8		
07/30/2016	12:33:18	2025	3.4	8.37	291.5		
07/30/2016	12:33:31	1998	3.3	8.37	292.2	20 Bbl Spacer to Surface	
07/30/2016	12:33:48	2001	3.3	8.37	293.2		
07/30/2016	12:34:18	2041	3.5	8.38	294.9		
07/30/2016	12:34:48	2584	0.0	8.39	296.0		
07/30/2016	12:34:54	2610	0.0	8.38	296.0	Bump Top Plug 2100-2600	
07/30/2016	12:34:57	2563	0.0	8.38	296.0	End Displacement	
07/30/2016	12:34:59	2642	0.0	8.37	296.0	Reset Total, Vol = 298 bbl	
07/30/2016	12:35:18	2631	0.0	8.36	0.0		
07/30/2016	12:35:48	2658	0.0	8.35	0.0		
07/30/2016	12:36:18	2614	0.0	8.34	0.0		
07/30/2016	12:36:48	2805	0.7	8.34	0.1		
07/30/2016	12:37:18	2997	0.0	8.34	0.4		
07/30/2016	12:37:21	3014	0.0	8.34	0.4	Start 15 min, 3000 psi Test	
07/30/2016	12:37:48	3030	0.0	8.34	0.4		
07/30/2016	12:38:18	3038	0.0	8.34	0.4		
07/30/2016	12:38:48	3036	0.0	8.34	0.4		
07/30/2016	12:39:18	3064	0.0	8.34	0.4		
07/30/2016	12:39:48	3064	0.0	8.34	0.4		
07/30/2016	12:40:18	3085	0.0	8.34	0.4		
07/30/2016	12:40:48	3091	0.0	8.34	0.4		
07/30/2016	12:41:18	3104	0.0	8.34	0.4		
07/30/2016	12:41:48	3117	0.0	8.34	0.4		
07/30/2016	12:42:18	3127	0.0	8.34	0.4		
07/30/2016	12:42:48	3139	0.0	8.34	0.4		
07/30/2016	12:43:18	3148	0.0	8.34	0.4		
07/30/2016	12:43:48	3161	0.0	8.34	0.4		
07/30/2016	12:44:18	3170	0.0	8.34	0.4		
07/30/2016	12:44:48	3181	0.0	8.34	0.4		
07/30/2016	12:45:18	3192	0.0	8.34	0.4		
07/30/2016	12:45:48	3201	0.0	8.34	0.4		
07/30/2016	12:46:18	3212	0.0	8.34	0.4		
07/30/2016	12:46:48	3222	0.0	8.34	0.4		
07/30/2016	12:47:18	3232	0.0	8.34	0.4		
07/30/2016	12:47:48	3242	0.0	8.34	0.4		
07/30/2016	12:48:18	3252	0.0	8.34	0.4		
07/30/2016	12:48:48	3261	0.0	8.34	0.4		
07/30/2016	12:49:18	3271	0.0	8.34	0.4		

Well			Field		Job Start	Customer		Job Number
Land 37N-32HZ			Wattenberg		Jul/30/2016	Anadarko		DMBW-00262
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
07/30/2016	12:50:18	3290	0.0	8.34	0.4			
07/30/2016	12:50:48	3300	0.0	8.34	0.4			
07/30/2016	12:51:18	3309	0.0	8.34	0.4			
07/30/2016	12:51:48	3318	0.0	8.34	0.4			
07/30/2016	12:52:18	3328	0.0	8.34	0.4			
07/30/2016	12:52:48	3337	0.0	8.34	0.4			
07/30/2016	12:52:50	3301	0.0	8.34	0.4	End Test		
07/30/2016	12:53:18	807	0.0	8.34	0.4			
07/30/2016	12:53:48	12	0.0	8.34	0.4			
07/30/2016	12:54:05	14	0.0	8.34	0.4	Floats Hold, 2.5 Bbl Back		
07/30/2016	12:54:18	15	0.0	8.34	0.4			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.9	N2	Mud	Maximum Rate 8.2	Total Slurry 0.4	Mud 0.0	Spacer 0.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4399	Final 15	Average 946	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 383.0 bbl		Displacement 0.0 bbl	Mix Water Temp 74 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative			Schlumberger Supervisor Ryan Drilling/Taylor Baird			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	