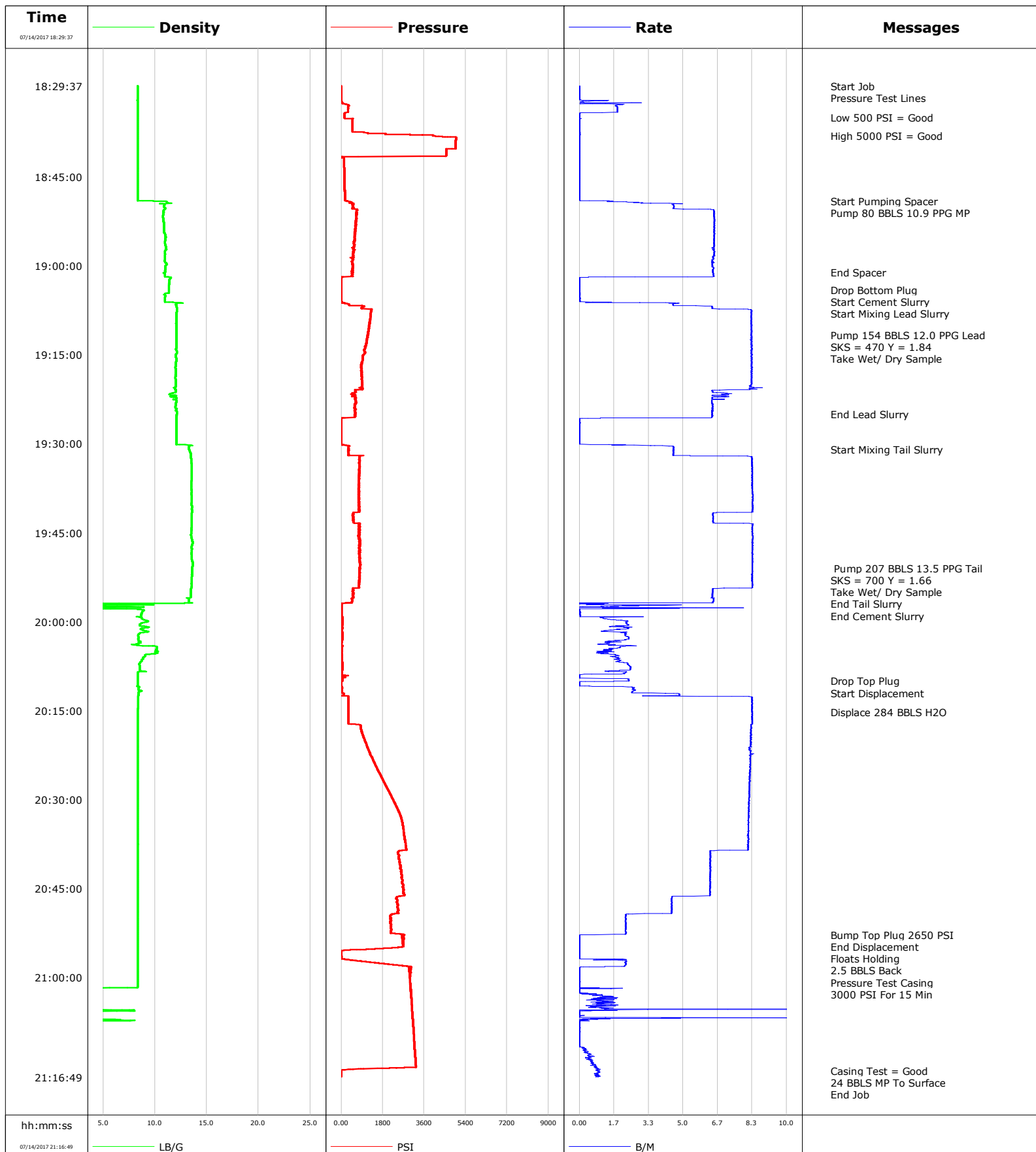


**Well** Hilgers  
**Field** Wattenberg  
**Engineer** Conley Jensen/ Joe Sanchez  
**Country** United States

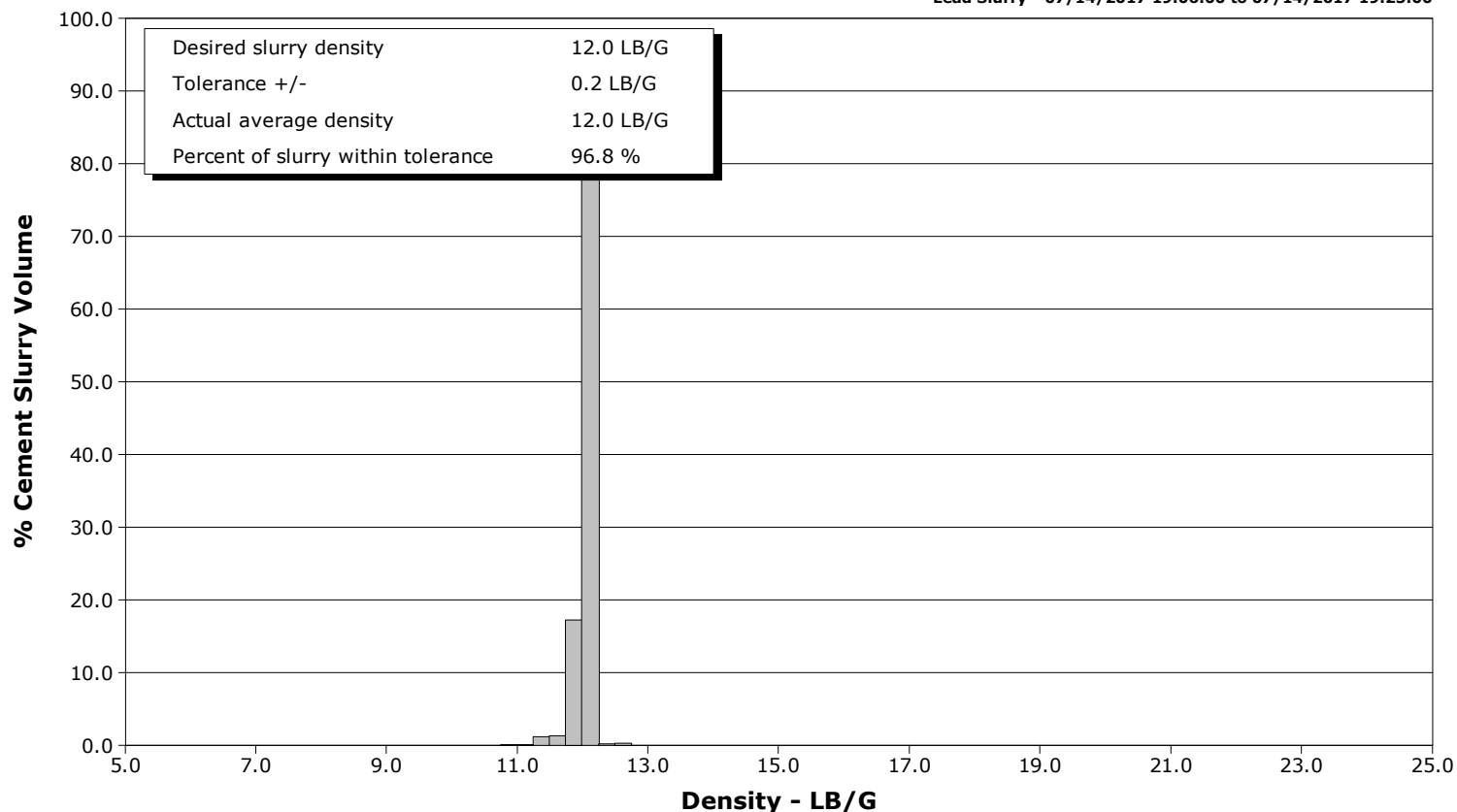
**Client** Anadarko  
**SIR No.** 2543928  
**Job Type** 5.5" Monobore  
**Job Date** 07-14-2017



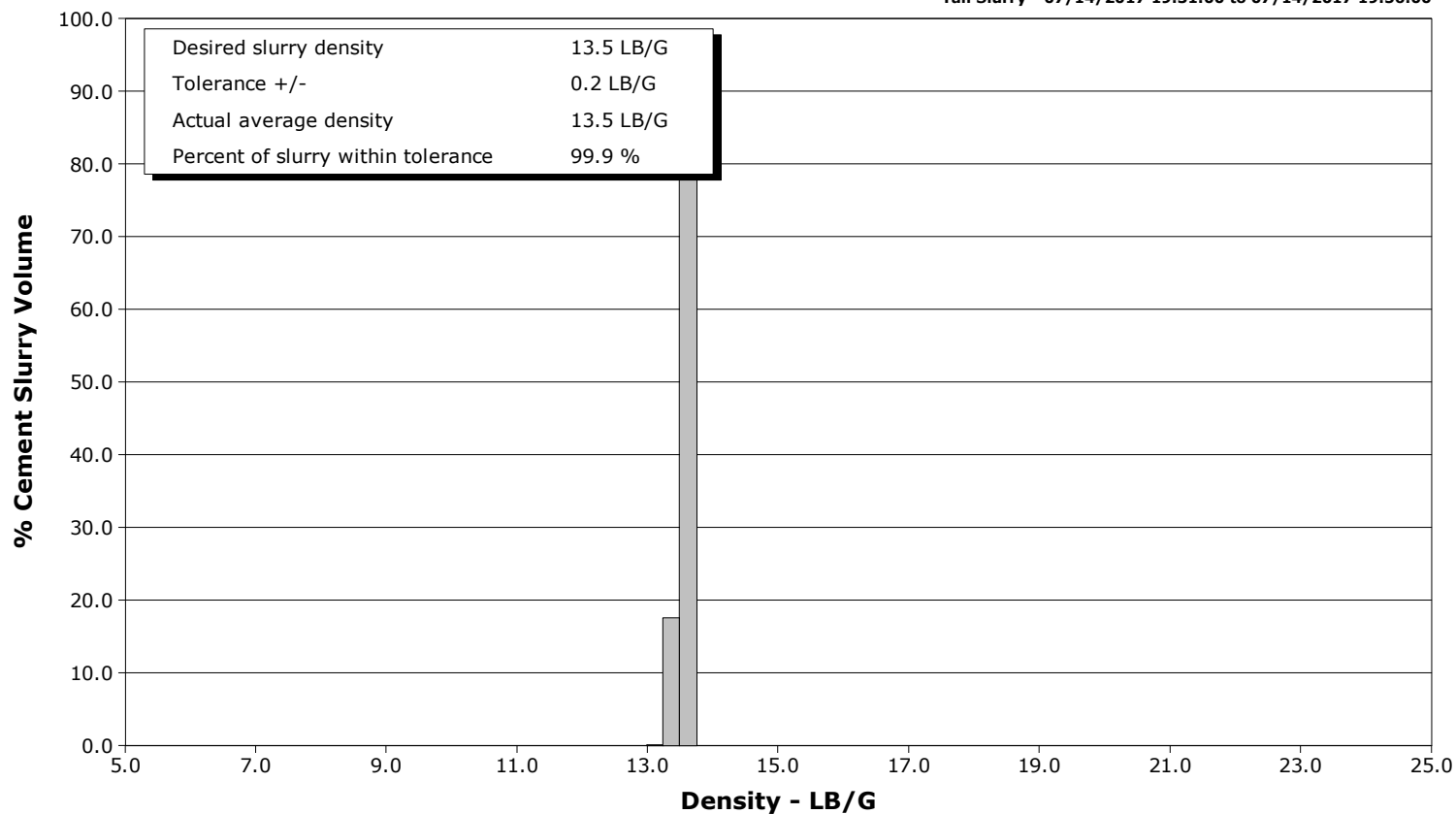
**Well** Hilgers  
**Field** Wattenberg  
**Engineer** Conley Jensen/ Joe Sanchez  
**Country** United States

**Client** Anadarko  
**SIR No.** 2543928  
**Job Type** 5.5" Monobore  
**Job Date** 07-14-2017

**Lead Slurry - 07/14/2017 19:06:00 to 07/14/2017 19:25:00**



**Tail Slurry - 07/14/2017 19:31:00 to 07/14/2017 19:56:00**



Page 1 of 6

Well			Field	Job Start		Customer		Job Number	
Hilgers 33N2-22HZ			Wattenberg		Jul/14/2017		Anadarko		2543928
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/14/2017	18:41:37	9	0.0	8.33	3.2				
07/14/2017	18:42:17	124	0.0	8.33	3.2				
07/14/2017	18:42:57	127	0.0	8.33	3.2				
07/14/2017	18:43:37	132	0.0	8.33	3.2				
07/14/2017	18:44:17	138	0.0	8.33	0.0				
07/14/2017	18:44:57	142	0.0	8.33	0.0				
07/14/2017	18:45:37	147	0.0	8.33	0.0				
07/14/2017	18:46:17	149	0.0	8.33	0.0				
07/14/2017	18:46:57	152	0.0	8.33	0.0				
07/14/2017	18:47:37	154	0.0	8.32	0.0				
07/14/2017	18:48:17	156	0.0	8.33	0.0				
07/14/2017	18:48:57	157	0.0	8.33	0.0				
07/14/2017	18:49:00	189	0.0	8.33	0.0	Start Pumping Spacer			
07/14/2017	18:49:37	533	4.5	10.90	1.7				
07/14/2017	18:50:00	552	4.6	10.87	3.4	Pump 80 BBLS 10.9 PPG MP			
07/14/2017	18:50:17	479	4.5	10.98	4.7				
07/14/2017	18:50:57	638	6.5	10.84	8.7				
07/14/2017	18:51:37	659	6.5	10.77	13.1				
07/14/2017	18:52:17	637	6.5	10.82	17.4				
07/14/2017	18:52:57	610	6.5	10.85	21.7				
07/14/2017	18:53:37	611	6.5	10.86	26.1				
07/14/2017	18:54:17	586	6.5	10.84	30.4				
07/14/2017	18:54:57	568	6.5	11.01	34.7				
07/14/2017	18:55:37	548	6.5	11.00	39.1				
07/14/2017	18:56:17	546	6.5	10.98	43.4				
07/14/2017	18:56:57	501	6.4	11.06	47.7				
07/14/2017	18:57:37	506	6.5	10.95	52.0				
07/14/2017	18:58:17	510	6.5	10.98	56.4				
07/14/2017	18:58:57	522	6.4	10.96	60.7				
07/14/2017	18:59:37	490	6.4	11.11	64.9				
07/14/2017	19:00:17	499	6.5	10.99	69.2				
07/14/2017	19:00:57	459	6.4	10.98	73.5				
07/14/2017	19:01:00	517	6.4	10.98	73.8	End Spacer			
07/14/2017	19:01:37	448	6.5	10.95	77.8				
07/14/2017	19:02:17	7	0.0	11.41	79.6				
07/14/2017	19:02:57	3	0.0	11.36	0.0				
07/14/2017	19:03:37	3	0.0	11.35	0.0				
07/14/2017	19:04:00	3	0.0	11.35	0.0	Drop Bottom Plug			
07/14/2017	19:04:17	3	0.0	11.35	0.0				
07/14/2017	19:04:57	3	0.0	10.99	0.0				
07/14/2017	19:05:37	3	0.0	10.98	0.0				
07/14/2017	19:06:00	2	0.0	10.98	0.0	Start Cement Slurry			
07/14/2017	19:06:17	106	4.7	12.50	0.4				
07/14/2017	19:06:57	883	6.4	12.08	3.8				
07/14/2017	19:07:37	1277	8.3	12.09	8.7				
07/14/2017	19:08:17	1274	8.3	12.08	14.2				
07/14/2017	19:08:57	1240	8.3	12.06	19.8				
07/14/2017	19:09:37	1231	8.3	12.04	25.3				
07/14/2017	19:10:17	1205	8.3	12.04	30.8				
07/14/2017	19:10:57	1192	8.3	12.06	36.4				
07/14/2017	19:11:37	1145	8.3	12.07	41.9				
07/14/2017	19:11:40	1135	8.3	12.07	42.3	Pump 154 BBLS 12.0 PPG Lead			
07/14/2017	19:11:50	1137	8.3	12.07	43.7	SKS = 470 Y = 1.84			
07/14/2017	19:12:13	1107	8.3	12.08	46.9	Take Wet/ Dry Sample			

Well			Field	Job Start		Customer		Job Number	
Hilgers 33N2-22HZ			Wattenberg		Jul/14/2017		Anadarko		2543928
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/14/2017	19:12:57	1082	8.3	12.07	52.9				
07/14/2017	19:13:37	1042	8.3	12.06	58.5				
07/14/2017	19:14:17	995	8.3	12.07	64.0				
07/14/2017	19:14:57	957	8.3	12.02	69.5				
07/14/2017	19:15:37	928	8.3	12.04	75.1				
07/14/2017	19:16:17	879	8.3	12.02	80.6				
07/14/2017	19:16:57	863	8.3	11.99	86.2				
07/14/2017	19:17:37	873	8.3	12.00	91.7				
07/14/2017	19:18:17	883	8.3	12.01	97.2				
07/14/2017	19:18:57	888	8.3	11.98	102.6				
07/14/2017	19:19:37	894	8.3	12.00	108.3				
07/14/2017	19:20:17	902	8.2	12.00	113.8				
07/14/2017	19:20:57	619	6.8	11.98	119.3				
07/14/2017	19:21:37	389	7.0	11.42	123.8				
07/14/2017	19:22:17	602	6.4	12.05	128.3				
07/14/2017	19:22:57	609	6.4	12.07	132.6				
07/14/2017	19:23:37	575	6.4	11.99	136.9				
07/14/2017	19:24:17	563	6.4	12.04	141.1				
07/14/2017	19:24:57	597	6.4	12.08	145.4				
07/14/2017	19:25:00	603	6.4	12.08	145.7	End Lead Slurry			
07/14/2017	19:25:37	119	6.4	12.07	149.7				
07/14/2017	19:26:17	-0	0.0	12.06	150.1				
07/14/2017	19:26:57	-0	0.0	12.06	150.1				
07/14/2017	19:27:37	0	0.0	12.06	150.1				
07/14/2017	19:28:17	-0	0.0	12.06	150.1				
07/14/2017	19:28:57	0	0.0	12.06	0.0				
07/14/2017	19:29:37	1	0.0	12.07	0.0				
07/14/2017	19:30:17	221	3.4	13.60	0.3				
07/14/2017	19:30:57	333	4.5	13.27	3.2				
07/14/2017	19:31:00	288	4.5	13.29	3.4	Start Mixing Tail Slurry			
07/14/2017	19:31:37	296	4.5	13.43	6.2				
07/14/2017	19:32:17	790	8.3	13.46	10.1				
07/14/2017	19:32:57	788	8.3	13.50	15.6				
07/14/2017	19:33:37	773	8.3	13.55	21.2				
07/14/2017	19:34:17	776	8.3	13.55	26.7				
07/14/2017	19:34:57	764	8.3	13.55	32.3				
07/14/2017	19:35:37	759	8.3	13.53	37.8				
07/14/2017	19:36:17	756	8.3	13.52	43.4				
07/14/2017	19:36:57	751	8.3	13.51	48.9				
07/14/2017	19:37:37	762	8.3	13.51	54.5				
07/14/2017	19:38:17	766	8.3	13.52	60.0				
07/14/2017	19:38:57	740	8.4	13.53	65.6				
07/14/2017	19:39:37	744	8.4	13.53	71.2				
07/14/2017	19:40:17	735	8.4	13.51	76.7				
07/14/2017	19:41:37	511	6.6	13.57	87.9				
07/14/2017	19:42:17	502	6.4	13.55	92.2				
07/14/2017	19:42:57	478	6.4	13.54	96.5				
07/14/2017	19:43:37	794	8.4	13.54	101.1				
07/14/2017	19:44:17	796	8.3	13.51	106.7				
07/14/2017	19:44:57	793	8.3	13.49	112.2				
07/14/2017	19:45:37	787	8.4	13.47	117.8				
07/14/2017	19:46:17	764	8.4	13.59	123.4				
07/14/2017	19:46:57	791	8.4	13.60	128.9				
07/14/2017	19:47:37	800	8.4	13.54	134.5				

Well			Field	Job Start		Customer		Job Number	
Hilgers 33N2-22HZ			Wattenberg		Jul/14/2017		Anadarko		2543928
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/14/2017	19:48:57	807	8.3	13.56	145.6				
07/14/2017	19:49:37	789	8.3	13.56	151.2				
07/14/2017	19:50:17	784	8.3	13.65	156.7				
07/14/2017	19:50:57	802	8.3	13.59	162.3				
07/14/2017	19:51:00	813	8.3	13.59	162.7	Pump 207 BBLS 13.5 PPG Tail			
07/14/2017	19:51:20	771	8.3	13.58	165.5	SKS = 700 Y = 1.66			
07/14/2017	19:51:29	804	8.3	13.58	166.8	Take Wet/ Dry Sample			
07/14/2017	19:51:37	801	8.3	13.57	167.9				
07/14/2017	19:52:17	789	8.3	13.57	173.4				
07/14/2017	19:52:57	773	8.3	13.54	179.0				
07/14/2017	19:53:37	760	8.3	13.52	184.5				
07/14/2017	19:54:17	770	8.3	13.49	190.1				
07/14/2017	19:54:57	461	6.4	13.46	194.6				
07/14/2017	19:55:37	481	6.4	13.46	198.8				
07/14/2017	19:56:00	499	6.4	13.12	201.3	End Tail Slurry			
07/14/2017	19:56:17	450	6.5	13.26	203.1				
07/14/2017	19:56:57	29	1.4	4.20	207.0				
07/14/2017	19:57:37	13	1.0	7.26	207.8				
07/14/2017	19:58:17	12	0.0	8.81	208.6				
07/14/2017	19:58:57	12	0.1	8.68	208.6				
07/14/2017	19:59:37	63	1.4	8.83	0.6				
07/14/2017	20:00:17	57	2.3	8.70	2.0				
07/14/2017	20:00:57	53	2.4	9.40	3.4				
07/14/2017	20:01:37	11	1.1	9.17	4.6				
07/14/2017	20:02:17	56	2.2	8.38	6.0				
07/14/2017	20:02:57	54	2.4	8.39	7.5				
07/14/2017	20:03:37	11	1.4	8.58	8.7				
07/14/2017	20:04:17	41	2.0	10.20	9.8				
07/14/2017	20:04:57	31	1.5	10.05	10.8				
07/14/2017	20:05:37	42	1.8	9.05	11.7				
07/14/2017	20:06:17	35	1.9	8.85	12.9				
07/14/2017	20:06:57	58	2.3	8.56	14.1				
07/14/2017	20:07:37	60	2.5	8.51	15.7				
07/14/2017	20:08:17	22	1.8	8.56	17.3				
07/14/2017	20:08:57	-0	0.0	8.34	18.5				
07/14/2017	20:09:37	41	2.0	8.34	18.5				
07/14/2017	20:10:00	49	2.4	8.31	19.4	Drop Top Plug			
07/14/2017	20:10:17	-5	0.0	8.33	19.7				
07/14/2017	20:10:57	39	1.5	8.43	19.7				
07/14/2017	20:11:37	31	2.7	8.62	21.4				
07/14/2017	20:12:17	99	4.8	8.40	23.6				
07/14/2017	20:12:57	304	8.3	8.37	3.2				
07/14/2017	20:13:37	306	8.3	8.37	8.7				
07/14/2017	20:14:17	307	8.3	8.37	14.3				
07/14/2017	20:14:57	308	8.3	8.34	19.8				
07/14/2017	20:15:12	308	8.3	8.34	21.9	Displace 284 BBLS H2O			
07/14/2017	20:15:37	308	8.3	8.34	25.4				
07/14/2017	20:16:17	303	8.3	8.34	30.9				
07/14/2017	20:16:57	316	8.3	8.34	36.5				
07/14/2017	20:17:37	837	8.3	8.34	42.0				
07/14/2017	20:18:17	864	8.2	8.34	47.5				
07/14/2017	20:18:57	914	8.3	8.34	53.0				
07/14/2017	20:19:37	965	8.3	8.34	58.5				
07/14/2017	20:20:17	1041	8.3	8.35	64.0				

Well			Field	Job Start		Customer	Job Number	
Hilgers 33N2-22HZ			Wattenberg		Jul/14/2017		Anadarko	2543928
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
07/14/2017	20:21:37	1178	8.2	8.34	75.0			
07/14/2017	20:22:17	1253	8.4	8.33	80.5			
07/14/2017	20:22:57	1330	8.2	8.34	86.0			
07/14/2017	20:23:37	1402	8.2	8.34	91.5			
07/14/2017	20:24:17	1491	8.2	8.33	97.0			
07/14/2017	20:24:57	1582	8.2	8.34	102.5			
07/14/2017	20:25:37	1666	8.2	8.33	108.0			
07/14/2017	20:26:17	1755	8.2	8.33	113.5			
07/14/2017	20:26:57	1830	8.2	8.33	118.9			
07/14/2017	20:27:37	1925	8.2	8.34	124.4			
07/14/2017	20:28:17	2023	8.2	8.34	129.9			
07/14/2017	20:28:57	2106	8.2	8.33	135.3			
07/14/2017	20:29:37	2198	8.2	8.33	140.8			
07/14/2017	20:30:17	2275	8.2	8.33	146.3			
07/14/2017	20:30:57	2360	8.2	8.33	151.7			
07/14/2017	20:31:37	2444	8.2	8.34	157.1			
07/14/2017	20:32:17	2522	8.2	8.33	162.6			
07/14/2017	20:32:57	2591	8.2	8.33	168.0			
07/14/2017	20:33:37	2645	8.2	8.33	173.5			
07/14/2017	20:34:17	2671	8.1	8.33	178.9			
07/14/2017	20:34:57	2702	8.2	8.34	184.3			
07/14/2017	20:35:37	2721	8.2	8.33	189.7			
07/14/2017	20:36:17	2742	8.1	8.34	195.2			
07/14/2017	20:36:57	2771	8.1	8.33	200.6			
07/14/2017	20:37:37	2798	8.1	8.35	206.0			
07/14/2017	20:38:17	2814	8.1	8.34	211.5			
07/14/2017	20:38:57	2475	6.3	8.33	216.3			
07/14/2017	20:39:37	2521	6.3	8.33	220.5			
07/14/2017	20:40:17	2543	6.3	8.33	224.7			
07/14/2017	20:40:57	2535	6.3	8.33	228.9			
07/14/2017	20:41:37	2578	6.3	8.33	233.1			
07/14/2017	20:42:17	2594	6.3	8.33	237.3			
07/14/2017	20:42:57	2646	6.3	8.34	241.5			
07/14/2017	20:43:37	2667	6.3	8.34	245.7			
07/14/2017	20:44:17	2698	6.3	8.34	249.9			
07/14/2017	20:44:57	2679	6.3	8.33	254.1			
07/14/2017	20:45:37	2706	6.3	8.33	258.3			
07/14/2017	20:46:17	2535	5.5	8.33	262.5			
07/14/2017	20:46:57	2415	4.5	8.33	265.5			
07/14/2017	20:47:37	2439	4.4	8.33	268.5			
07/14/2017	20:48:17	2423	4.5	8.33	271.4			
07/14/2017	20:48:57	2461	4.5	8.33	274.4			
07/14/2017	20:49:37	2153	2.2	8.33	276.7			
07/14/2017	20:50:17	2163	2.2	8.33	278.2			
07/14/2017	20:50:57	2130	2.2	8.33	279.6			
07/14/2017	20:51:37	2166	2.2	8.33	281.1			
07/14/2017	20:52:17	2151	2.2	8.33	282.6			
07/14/2017	20:52:50	2772	0.1	8.33	283.8	Bump Top Plug 2650 PSI		
07/14/2017	20:52:51	2772	0.1	8.33	283.8	End Displacement		
07/14/2017	20:52:57	2642	0.0	8.33	283.8			
07/14/2017	20:53:37	2739	0.0	8.33	283.8			
07/14/2017	20:54:17	2727	0.0	8.33	283.8			
07/14/2017	20:54:57	2473	0.0	8.33	283.8			
07/14/2017	20:55:33	-1	0.0	8.33	283.8	Floats Holding		

Well Hilgers 33N2-22HZ			Field Wattenberg		Job Start Jul/14/2017	Customer Anadarko		Job Number 2543928
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
07/14/2017	20:56:17	11	0.0	8.33	283.8			
07/14/2017	20:56:57	171	2.1	8.33	283.9			
07/14/2017	20:57:37	1657	2.2	8.33	285.3			
07/14/2017	20:58:17	2931	0.1	8.33	286.6			
07/14/2017	20:58:24	2976	0.0	8.33	286.6	Pressure Test Casing		
07/14/2017	20:58:57	2967	0.0	8.33	286.6			
07/14/2017	20:59:37	2997	0.0	8.33	286.6			
07/14/2017	21:00:17	3016	0.0	8.33	286.6			
07/14/2017	21:00:57	2991	0.0	8.33	286.6			
07/14/2017	21:01:37	3004	0.0	8.33	286.6			
07/14/2017	21:02:17	3022	0.0	0.10	286.8			
07/14/2017	21:02:57	3037	1.1	0.05	286.9			
07/14/2017	21:03:37	3049	1.1	0.04	287.7			
07/14/2017	21:04:17	3060	1.7	0.04	288.4			
07/14/2017	21:04:57	3072	0.5	0.04	289.2			
07/14/2017	21:05:37	3083	0.7	6.92	291.3			
07/14/2017	21:06:17	3094	0.0	0.05	291.4			
07/14/2017	21:06:57	3106	1.8	2.60	292.3			
07/14/2017	21:07:37	3119	0.0	0.13	292.5			
07/14/2017	21:08:17	3129	0.0	0.05	292.5			
07/14/2017	21:08:57	3141	0.0	0.04	292.5			
07/14/2017	21:09:37	3153	0.0	0.04	292.5			
07/14/2017	21:10:17	3163	0.0	0.04	292.5			
07/14/2017	21:10:57	3175	0.0	0.04	292.5			
07/14/2017	21:11:37	3186	0.0	0.04	292.5			
07/14/2017	21:12:17	3198	0.2	0.04	292.6			
07/14/2017	21:12:57	3208	0.6	0.04	292.8			
07/14/2017	21:13:37	3219	0.4	0.04	293.2			
07/14/2017	21:14:17	3230	0.7	0.04	293.5			
07/14/2017	21:14:57	3240	0.8	0.04	293.9			
07/14/2017	21:15:37	88	0.8	0.04	294.5			
07/14/2017	21:15:46	-5	0.9	0.04	294.6	Casing Test = Good		
07/14/2017	21:16:17	-2	0.9	0.04	295.1			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 5.4	N2	Mud	Maximum Rate 25.0		Total Slurry 361.0	Mud 0.0	Spacer 80.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 5010	Final -1	Average 1266	Bump Plug to 2650	Breakdown	Type	Volume bbl	Density lb/gal			
Avg. N2 Percent %		Designed Slurry Volume 361.0 bbl		Displacement 284.0 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				Schlumberger Supervisor Conley Jensen/ Joe Sanchez			Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>		
							-	-		





<b>Service Order #:</b>	
<b>Date:</b>	Jul/14/2017
<b>Operating Time (hh:mm):</b>	00:00
<b>Client Rep:</b>	
<b>Schlumberger Engineer:</b>	Conley Jensen/ Joe Sanchez
<b>Schlumberger FSM:</b>	

**To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.**

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

**Comments:** (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

<b>Client:</b>	<b>Schlumberger:</b>
<b>Client Signature:</b>	<b>Schlumberger Signature:</b>