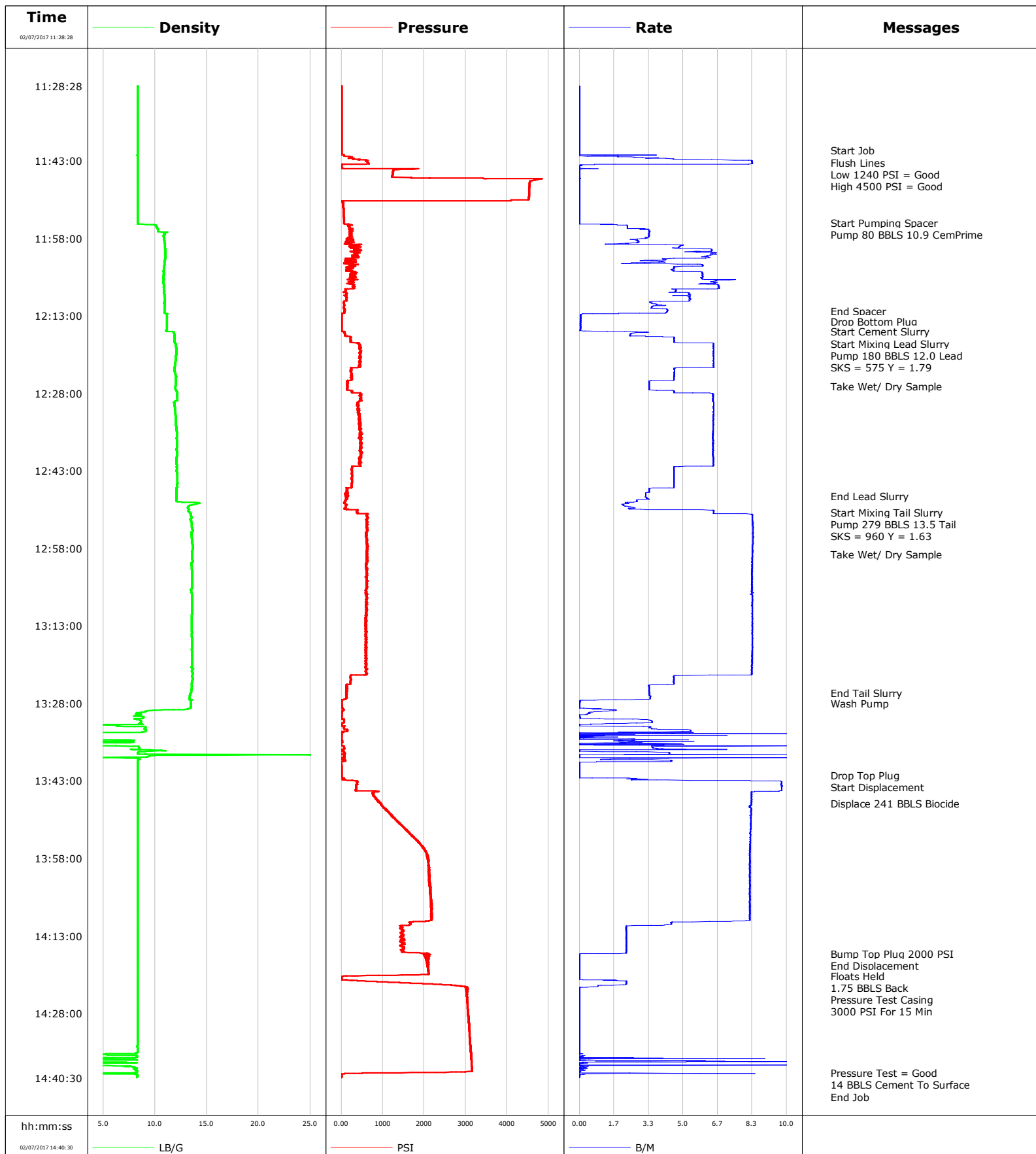


Well Jaguar Fed 6S-35HZ
Field Wattenberg
Engineer Conley Jensen/ Ken Sovereign
Country United States

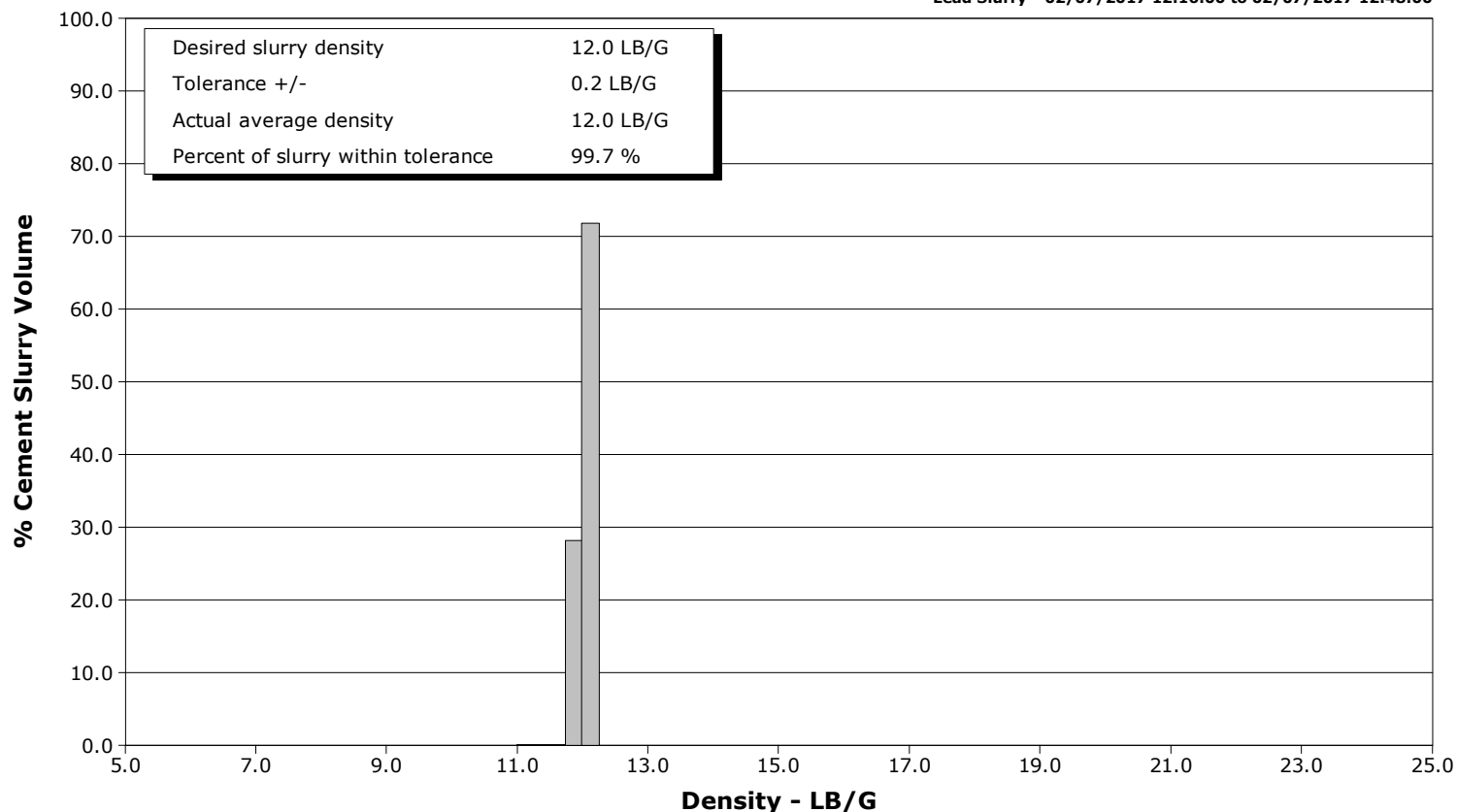
Client Anadarko
SIR No. 2418153
Job Type 5.5" Monobore
Job Date 02-07-2017



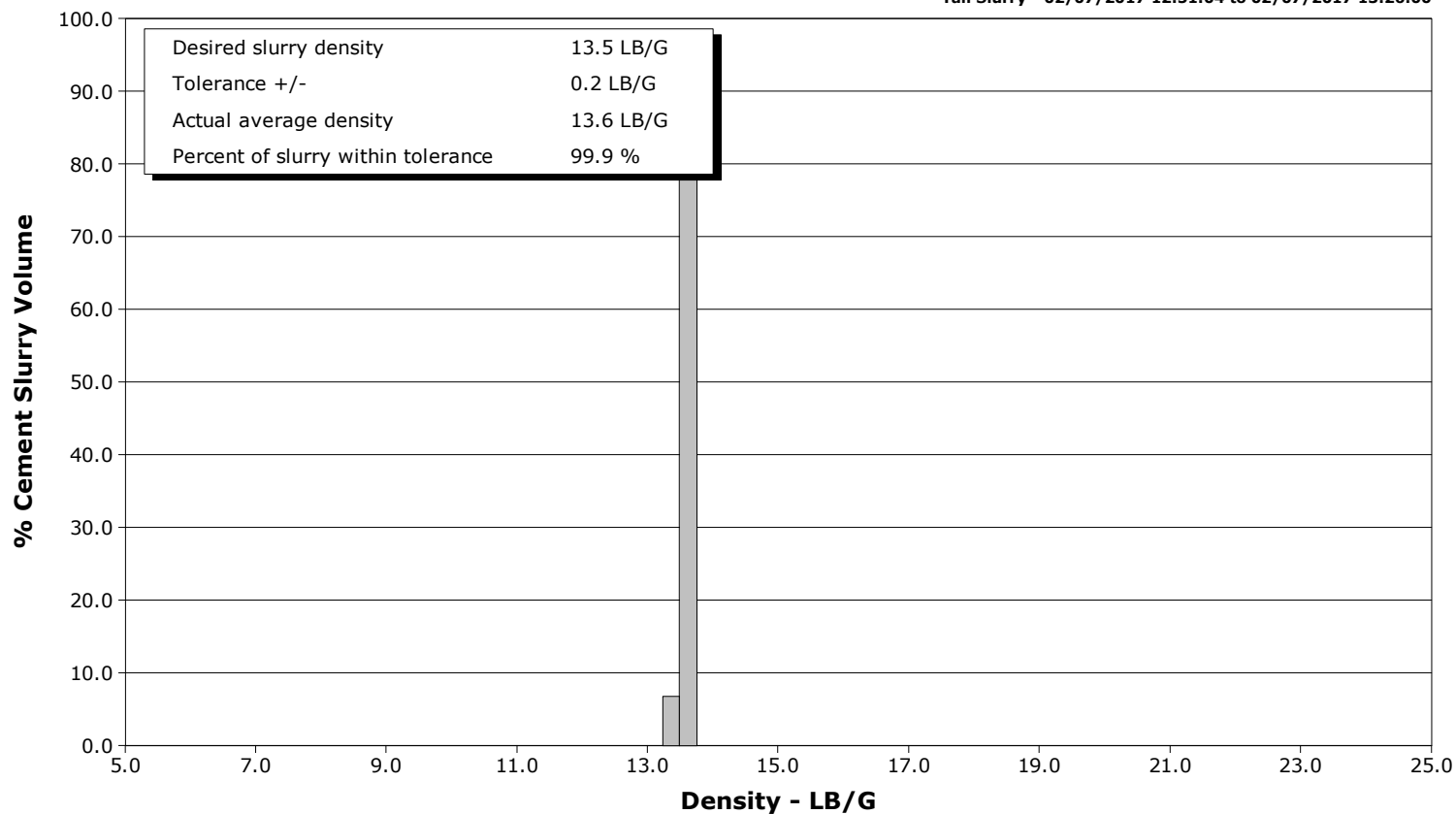
Well Jaguar Fed 6S-35HZ
Field Wattenberg
Engineer Conley Jensen/ Ken Sovereign
Country United States

Client Anadarko
SIR No. 2418153
Job Type 5.5" Monobore
Job Date 02-07-2017

Lead Slurry - 02/07/2017 12:16:00 to 02/07/2017 12:48:00



Tail Slurry - 02/07/2017 12:51:04 to 02/07/2017 13:26:00



Cementing Service Report

				Customer Anadarko			Job Number 2418153				
Well Jaguar Fed 6S-35HZ 6S-35HZ			Location (legal)			Schlumberger Location CWY			Job Start Feb/07/2017		
Field Wattenberg		Formation Name/Type Shale		Deviation deg		Bit Size 8.5 in		Well MD 10470.0 ft		Well TVD 4855.0 ft	
County		State/Province Colorado		BHP psi		BHST 177 degF		BHCT 172 degF		Pore Press. Gradient lb/gal	
Well Master 0631662966		API/UWI 05123426300000									
Rig Name Xtreme 24	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		1881.0		9.6		36.0	
						10470.0		5.5		17.0	
										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" 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	
										Diameter in	
						Treat Down Casing		Displacement 241.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 243.0 bbl		Annular Vol. 441.0 bbl	
										Openhole Vol. 697.0 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 Guide			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 10470.0 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 Feb/07/2017 08:00		Arrived on Location Feb/07/2017 08:00		Leave Location Feb/07/2017 16:00		Collar Type Float			Tail Pipe Depth ft		
						Collar Depth 10380.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
02/07/2017	11:28:28	5	0.0	8.31	0.8	Started Acquisition					
02/07/2017	11:29:58	5	0.0	8.31	0.0						
02/07/2017	11:31:28	6	0.0	8.31	0.0						
02/07/2017	11:32:58	6	0.0	8.31	0.0						
02/07/2017	11:34:28	1	0.0	8.31	0.0						
02/07/2017	11:35:58	1	0.0	8.31	0.1						
02/07/2017	11:37:28	1	0.0	8.31	0.1						
02/07/2017	11:38:58	1	0.0	8.31	0.1						
02/07/2017	11:40:28	1	0.0	8.31	0.1						
02/07/2017	11:41:00	3	0.0	8.31	0.1	Start Job					
02/07/2017	11:41:22	4	0.0	8.31	0.1	Flush Lines					
02/07/2017	11:41:58	68	0.7	8.31	0.4						
02/07/2017	11:43:28	654	8.3	8.32	8.3						
02/07/2017	11:44:00	7	0.0	8.32	10.1	Low 1240 PSI = Good					
02/07/2017	11:44:58	1249	0.0	8.32	10.2						
02/07/2017	11:46:00	1231	0.0	8.32	10.2	High 4500 PSI = Good					
02/07/2017	11:46:28	4834	0.1	8.32	10.2						
02/07/2017	11:47:58	4535	0.0	8.32	10.2						
02/07/2017	11:49:28	4524	0.0	8.32	10.2						
02/07/2017	11:50:58	18	0.0	8.32	10.2						
02/07/2017	11:52:28	50	0.0	8.32	0.0						

Well			Field	Job Start		Customer	Job Number
Jaguar Fed 6S-35HZ 6S-35HZ			Wattenberg	Feb/07/2017		Anadarko	2418153
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/07/2017	11:55:00	68	0.0	8.32	0.0	Start Pumping Spacer	
02/07/2017	11:55:28	205	2.3	10.07	0.3		
02/07/2017	11:56:39	245	3.4	10.27	3.6	Pump 80 BBLs 10.9 CemPrime	
02/07/2017	11:56:58	253	3.3	10.98	4.6		
02/07/2017	11:58:28	264	2.8	10.93	9.4		
02/07/2017	11:59:58	413	4.9	10.98	14.9		
02/07/2017	12:01:28	349	6.1	11.01	24.3		
02/07/2017	12:02:58	300	4.7	10.90	30.7		
02/07/2017	12:04:28	335	5.7	10.84	38.2		
02/07/2017	12:05:58	287	6.7	10.84	47.1		
02/07/2017	12:07:28	279	6.7	10.84	56.9		
02/07/2017	12:08:58	125	5.3	10.93	64.9		
02/07/2017	12:10:28	63	3.4	10.94	72.3		
02/07/2017	12:11:58	82	4.2	10.92	77.9		
02/07/2017	12:12:00	85	4.2	10.92	78.1	End Spacer	
02/07/2017	12:13:28	7	0.1	11.15	0.0		
02/07/2017	12:14:00	5	0.1	11.15	0.1	Drop Bottom Plug	
02/07/2017	12:14:58	6	0.1	11.14	0.1		
02/07/2017	12:16:00	31	1.3	11.14	0.2	Start Cement Slurry	
02/07/2017	12:16:28	88	2.5	11.84	1.4		
02/07/2017	12:17:58	222	4.6	11.87	7.1		
02/07/2017	12:18:58	459	6.5	12.03	13.0	Pump 180 BBLs 12.0 Lead	
02/07/2017	12:19:26	440	6.5	12.06	16.0	SKS = 575 Y = 1.79	
02/07/2017	12:19:28	448	6.5	12.06	16.3		
02/07/2017	12:20:58	467	6.5	12.02	26.0		
02/07/2017	12:22:28	443	6.5	11.94	35.7		
02/07/2017	12:23:58	231	4.6	11.93	43.6		
02/07/2017	12:25:28	255	4.6	12.02	50.5		
02/07/2017	12:26:39	152	3.4	11.98	54.6	Take Wet/ Dry Sample	
02/07/2017	12:26:58	138	3.4	11.95	55.6		
02/07/2017	12:28:28	487	6.4	12.12	62.9		
02/07/2017	12:29:58	402	6.5	11.87	72.6		
02/07/2017	12:31:28	411	6.5	11.94	82.3		
02/07/2017	12:32:58	449	6.5	12.01	91.9		
02/07/2017	12:34:28	460	6.5	12.05	101.6		
02/07/2017	12:35:58	481	6.4	12.10	111.3		
02/07/2017	12:37:28	447	6.5	12.10	121.0		
02/07/2017	12:38:58	453	6.5	12.08	130.6		
02/07/2017	12:40:28	485	6.5	12.06	140.3		
02/07/2017	12:41:58	465	6.5	12.12	150.0		
02/07/2017	12:43:28	251	4.6	12.12	157.2		
02/07/2017	12:44:58	259	4.6	12.14	164.0		
02/07/2017	12:46:28	146	3.4	12.06	170.7		
02/07/2017	12:47:58	105	3.2	12.06	175.7		
02/07/2017	12:48:00	122	3.2	12.06	175.8	End Lead Slurry	
02/07/2017	12:49:28	107	2.1	13.84	179.9		
02/07/2017	12:50:58	377	6.5	13.29	185.1		
02/07/2017	12:51:04	390	6.5	13.36	0.0	Start Mixing Tail Slurry	
02/07/2017	12:51:19	635	6.9	13.43	1.6	Pump 279 BBLs 13.5 Tail	
02/07/2017	12:51:37	620	8.4	13.44	4.1	SKS = 960 Y = 1.63	
02/07/2017	12:52:28	598	8.3	13.42	11.1		
02/07/2017	12:53:58	610	8.4	13.56	23.7		
02/07/2017	12:55:28	612	8.4	13.50	36.2		
02/07/2017	12:56:58	611	8.4	13.57	48.8		

Well			Field	Job Start		Customer	Job Number	
Jaguar Fed 6S-35HZ 6S-35HZ			Wattenberg		Feb/07/2017		Anadarko	2418153
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
02/07/2017	12:59:10	635	8.3	13.58	67.1	Take Wet/ Dry Sample		
02/07/2017	12:59:58	616	8.3	13.60	73.8			
02/07/2017	13:01:28	607	8.3	13.53	86.3			
02/07/2017	13:02:58	625	8.3	13.59	98.8			
02/07/2017	13:04:28	616	8.3	13.60	111.3			
02/07/2017	13:05:58	594	8.3	13.47	123.7			
02/07/2017	13:07:28	628	8.3	13.59	136.2			
02/07/2017	13:08:58	607	8.3	13.59	148.7			
02/07/2017	13:10:28	594	8.3	13.58	161.2			
02/07/2017	13:11:58	605	8.3	13.54	173.7			
02/07/2017	13:13:28	603	8.3	13.56	186.2			
02/07/2017	13:14:58	599	8.3	13.56	198.7			
02/07/2017	13:16:28	591	8.3	13.58	211.3			
02/07/2017	13:17:58	587	8.3	13.57	223.8			
02/07/2017	13:19:28	603	8.3	13.57	236.3			
02/07/2017	13:20:58	598	8.3	13.54	248.7			
02/07/2017	13:22:28	606	8.3	13.63	261.2			
02/07/2017	13:23:58	221	4.6	13.57	268.5			
02/07/2017	13:25:28	131	3.4	13.50	274.1			
02/07/2017	13:26:00	130	3.4	13.46	275.8	End Tail Slurry		
02/07/2017	13:26:58	119	3.4	13.34	279.1			
02/07/2017	13:28:00	5	0.0	13.46	280.5	Wash Pump		
02/07/2017	13:28:28	13	0.0	13.46	280.5			
02/07/2017	13:29:58	12	0.5	8.64	281.5			
02/07/2017	13:31:28	65	3.5	8.65	282.9			
02/07/2017	13:32:58	69	3.5	8.95	286.3			
02/07/2017	13:34:28	7	0.0	4.14	291.6			
02/07/2017	13:35:58	-6	0.3	2.27	294.1			
02/07/2017	13:37:28	74	4.2	8.37	299.1			
02/07/2017	13:38:58	82	3.5	8.40	302.8			
02/07/2017	13:40:28	1	0.0	8.32	304.5			
02/07/2017	13:41:58	1	0.0	8.32	0.0			
02/07/2017	13:42:00	1	0.0	8.32	0.0	Drop Top Plug		
02/07/2017	13:43:28	382	9.7	8.33	6.1			
02/07/2017	13:44:58	351	9.7	8.34	20.7			
02/07/2017	13:46:28	850	8.3	8.32	33.4			
02/07/2017	13:47:20	957	8.3	8.32	40.5	Displace 241 BBLs Biocide		
02/07/2017	13:47:58	1001	8.2	8.32	45.8			
02/07/2017	13:49:28	1170	8.3	8.31	58.2			
02/07/2017	13:50:58	1382	8.3	8.32	70.6			
02/07/2017	13:52:28	1578	8.3	8.31	83.0			
02/07/2017	13:53:58	1743	8.2	8.32	95.3			
02/07/2017	13:55:28	1917	8.2	8.31	107.7			
02/07/2017	13:56:58	2056	8.2	8.31	120.0			
02/07/2017	13:58:28	2088	8.2	8.31	132.3			
02/07/2017	13:59:58	2101	8.2	8.31	144.7			
02/07/2017	14:01:28	2133	8.2	8.31	157.0			
02/07/2017	14:02:58	2144	8.2	8.31	169.3			
02/07/2017	14:04:28	2138	8.2	8.31	181.7			
02/07/2017	14:05:58	2178	8.2	8.31	194.0			
02/07/2017	14:07:28	2161	8.2	8.31	206.3			
02/07/2017	14:08:58	2164	8.2	8.31	218.6			
02/07/2017	14:10:28	1643	4.4	8.31	230.3			
02/07/2017	14:11:58	1497	2.2	8.31	234.9			

Well			Field		Job Start		Customer		Job Number	
Jaguar Fed 6S-35HZ 6S-35HZ			Wattenberg		Feb/07/2017		Anadarko		2418153	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
02/07/2017	14:14:58	1416	2.2	8.31	241.7					
02/07/2017	14:16:28	1998	0.9	8.31	245.0	Bump Top Plug 2000 PSI				
02/07/2017	14:16:30	2093	0.4	8.31	245.1	End Displacement				
02/07/2017	14:17:58	2104	0.0	8.31	245.1					
02/07/2017	14:19:28	2087	0.0	8.31	245.1					
02/07/2017	14:20:50	114	0.0	8.31	245.1	Floats Held				
02/07/2017	14:20:58	-1	0.0	8.31	245.1					
02/07/2017	14:22:28	2409	2.2	8.31	247.0					
02/07/2017	14:22:55	3010	0.7	8.31	247.6	Pressure Test Casing				
02/07/2017	14:23:58	3046	0.0	8.31	247.6					
02/07/2017	14:25:28	3042	0.0	8.31	247.6					
02/07/2017	14:26:58	3048	0.0	8.31	247.6					
02/07/2017	14:28:28	3063	0.0	8.31	247.6					
02/07/2017	14:29:58	3075	0.0	8.31	247.7					
02/07/2017	14:31:28	3087	0.0	8.31	247.7					
02/07/2017	14:32:58	3103	0.0	8.31	247.7					
02/07/2017	14:34:28	3113	0.0	8.30	247.7					
02/07/2017	14:35:58	3126	0.0	3.92	247.7					
02/07/2017	14:37:28	3138	2.5	2.73	249.8					
02/07/2017	14:38:58	3151	0.2	8.22	251.1					
02/07/2017	14:39:36	1107	0.0	6.34	251.1	Pressure Test = Good				
02/07/2017	14:39:52	-1	0.1	8.27	251.8	14 BBLs Cement To Surface				
02/07/2017	14:40:23	3	0.0	8.30	251.8	End Job				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
4.8			25.0		832.7	0.0	84.8	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
4841	3	926	2000			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		To	
%	462.0 bbl	207.4 bbl	70 degF	<input checked="" type="checkbox"/>	14.0 bbl		ft	
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed	
Travis Krucken			Conley Jensen/ Ken Sovereign			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
						-	-	



Service Order #:	
Date:	Feb/07/2017
Operating Time (hh:mm):	00:00
Client Rep:	Travis Krucken
Schlumberger Engineer:	Conley Jensen/ Ken Sovereign
Schlumberger FSM:	

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.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: