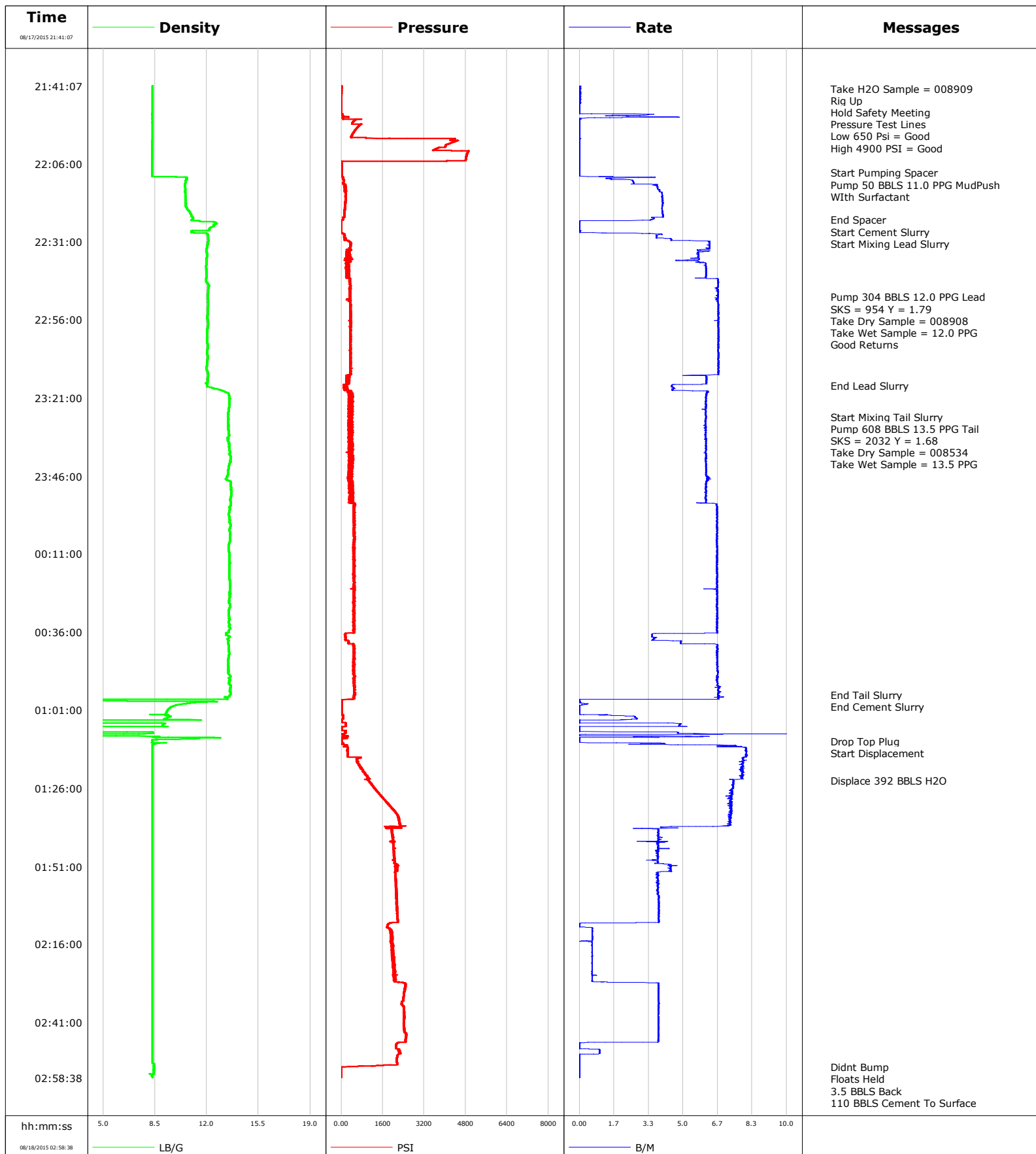


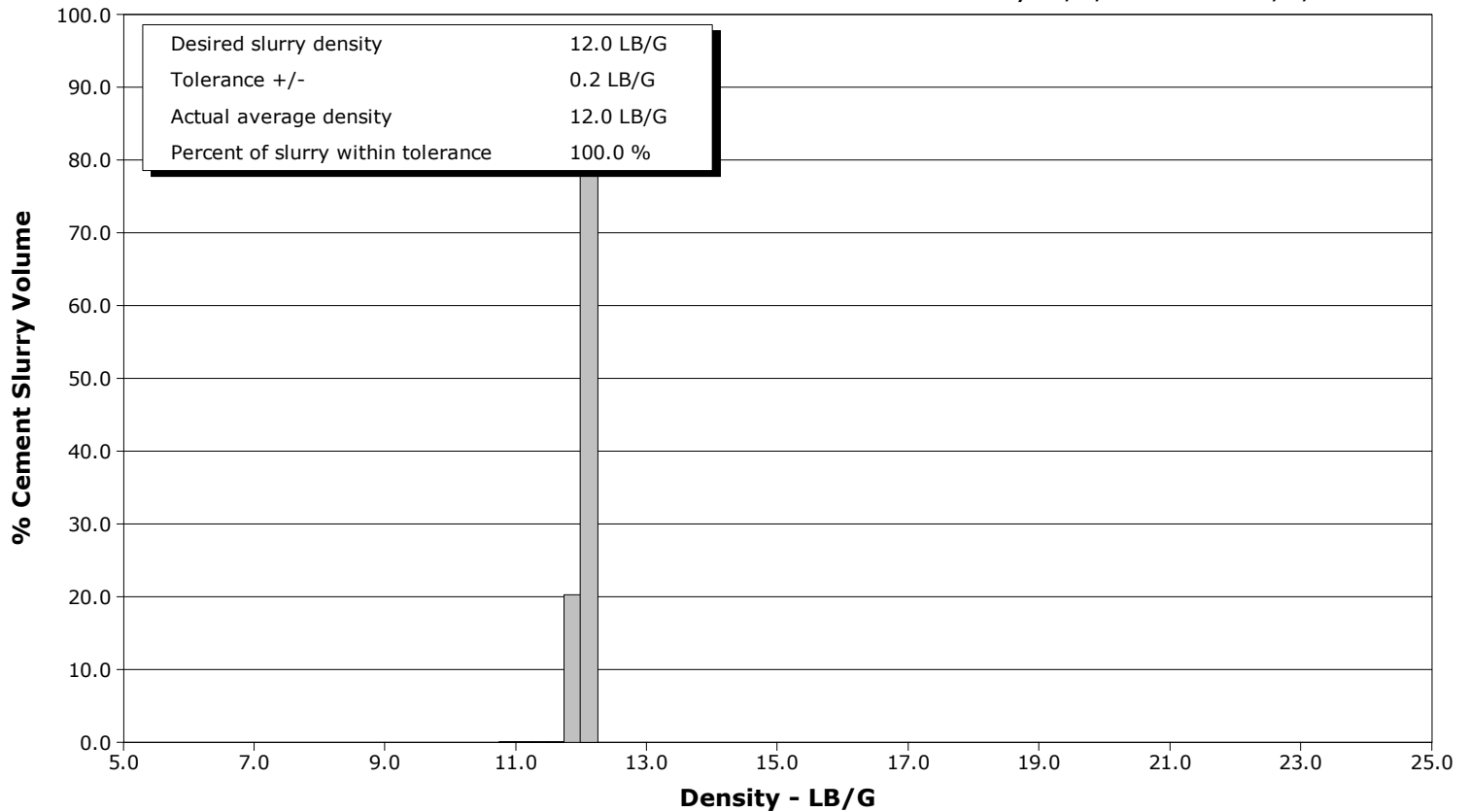
Well	Troudt 6	Client	Extraction
Field	Wattenberg	SIR No.	2174054
Engineer	Conley Jense/ Greg Black	Job Type	5.5" Monobore
Country	United States	Job Date	08-17-2015



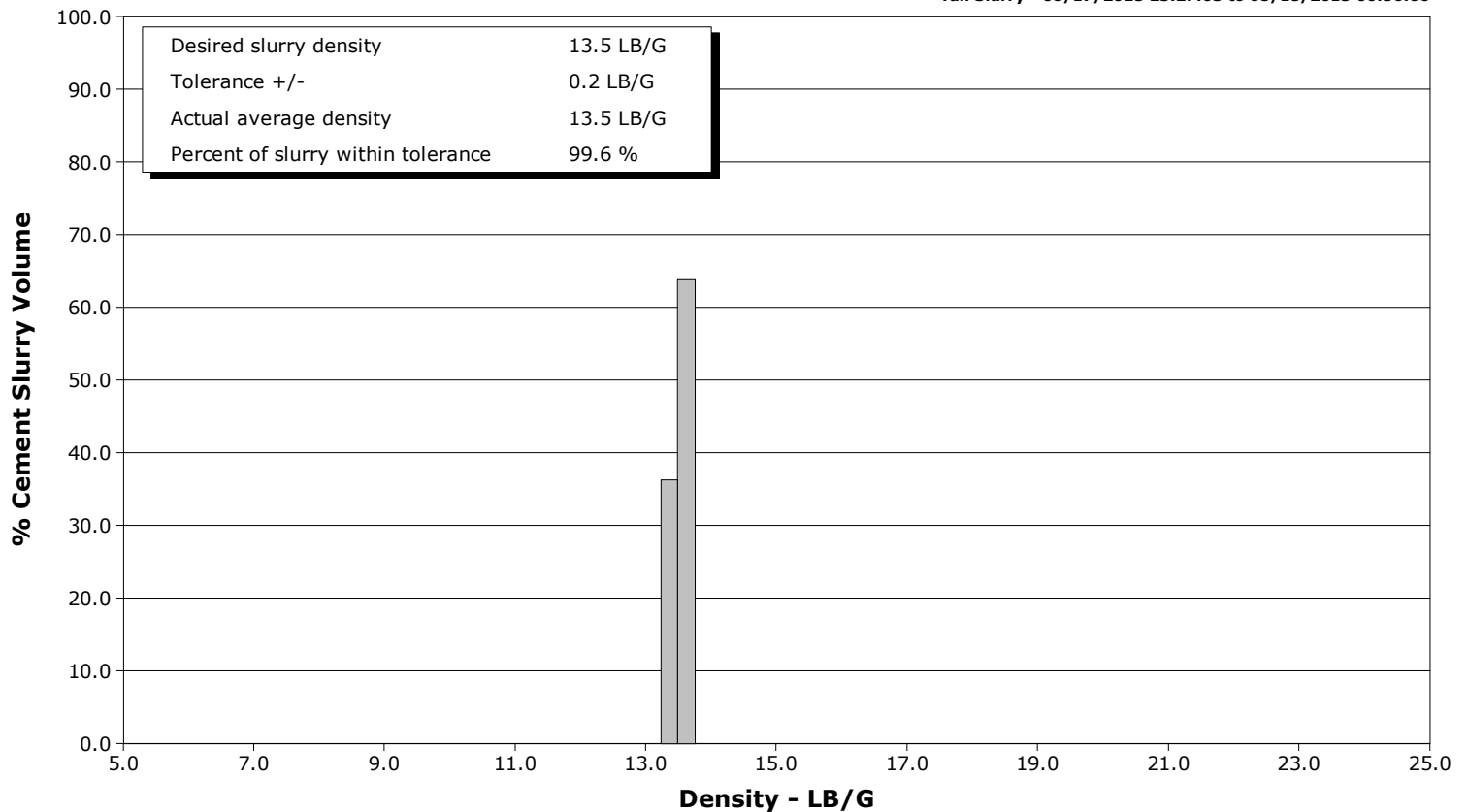
Well Troudt 6
Field Wattenberg
Engineer Conley Jense/ Greg Black
Country United States

Client Extraction
SIR No. 2174054
Job Type 5.5" Monobore
Job Date 08-17-2015

Lead Slurry - 08/17/2015 22:28:00 to 08/17/2015 23:17:00



Tail Slurry - 08/17/2015 23:27:05 to 08/18/2015 00:56:00



				Customer Extraction			Job Number 2174054				
Well Troudtt 6 6			Location (legal) Savanna 802			Schlumberger Location CWY			Job Start Aug/17/2015		
Field Wattenberg		Formation Name/Type Shale		Deviation deg		Bit Size 8.8 in		Well MD 17724.0 ft		Well TVD 7713.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 219 degF		BHCT 218 degF		Pore Press. Gradient lb/gal	
Well Master 0631646503		API/UWI 05123414360000									
Rig Name Savanna 802		Drilled For Oil		Service Via Land		Casing/ Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		1500.0		9.6		36.0	
						17723.0		5.5		20.0	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
Service Line Cementing		Job Type 5.5" Monobore									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
						ft		ft		ft	
						ft		ft		ft	
						Treat Down Casing		Displacement 392.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 393.2 bbl		Annular Vol. 802.0 bbl	
										Openhole Vol. 1200.0 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 17732.0 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 Aug/17/2015 17:00		Arrived on Location Aug/17/2015 17:00		Leave Location Aug/18/2015 04:00		Collar Type Float			Tail Pipe Depth ft		
						Collar Depth 17678.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
08/17/2015	21:41:07	2	0.1	8.32	0.0	Started Acquisition					
08/17/2015	21:42:00	3	0.1	8.32	0.0	Take H2O Sample = 008909					
08/17/2015	21:42:37	4	0.0	8.32	0.0						
08/17/2015	21:43:00	4	0.0	8.32	0.0	Rig Up					
08/17/2015	21:44:00	4	0.0	8.32	0.0	Hold Safety Meeting					
08/17/2015	21:44:07	3	0.0	8.32	0.1						
08/17/2015	21:45:37	-0	0.0	8.32	0.1						
08/17/2015	21:47:07	-0	0.0	8.32	0.0						
08/17/2015	21:48:37	-0	0.0	8.32	0.0						
08/17/2015	21:49:00	-0	0.0	8.32	0.0	Pressure Test Lines					
08/17/2015	21:50:07	5	1.6	8.32	0.0						
08/17/2015	21:51:37	72	0.0	8.32	3.8						
08/17/2015	21:53:07	420	0.0	8.32	3.8						
08/17/2015	21:54:00	678	0.0	8.32	3.8	Low 650 Psi = Good					
08/17/2015	21:54:37	642	0.0	8.32	3.8						
08/17/2015	21:56:07	641	0.0	8.32	3.8						
08/17/2015	21:57:37	396	0.0	8.32	3.8						
08/17/2015	21:59:07	4416	0.0	8.32	3.8						
08/17/2015	22:00:37	4017	0.0	8.32	3.8						
08/17/2015	22:01:00	3738	0.0	8.32	3.8	High 4900 PSI = Good					
08/17/2015	22:02:07	4898	0.0	8.32	3.8						

Well			Field	Job Start		Customer		Job Number	
Troudtt 6 6			Wattenberg		Aug/17/2015		Extraction		2174054
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/17/2015	22:05:07	4146	0.0	8.32	3.8				
08/17/2015	22:06:37	2	0.0	8.32	0.0				
08/17/2015	22:08:07	2	0.0	8.31	0.0				
08/17/2015	22:09:00	2	0.0	8.31	0.0	Start Pumping Spacer			
08/17/2015	22:09:37	2	0.0	8.31	0.0				
08/17/2015	22:10:00	2	0.0	8.31	0.0	Pump 50 BBLs 11.0 PPG MudPush			
08/17/2015	22:10:01	2	0.0	8.31	0.0	With Surfactant			
08/17/2015	22:11:07	64	1.6	10.64	1.9				
08/17/2015	22:12:37	118	3.1	10.52	5.8				
08/17/2015	22:14:07	171	3.8	10.53	11.3				
08/17/2015	22:15:37	174	4.0	10.55	17.2				
08/17/2015	22:17:07	159	4.0	10.56	23.2				
08/17/2015	22:18:37	151	4.0	10.56	29.2				
08/17/2015	22:20:07	141	4.0	10.63	35.2				
08/17/2015	22:21:37	132	4.0	10.86	41.2				
08/17/2015	22:23:07	116	4.0	11.02	47.2				
08/17/2015	22:24:00	58	3.5	11.00	50.4	End Spacer			
08/17/2015	22:24:37	-5	0.0	12.33	0.0				
08/17/2015	22:26:07	-6	0.0	12.45	0.0				
08/17/2015	22:27:37	-6	0.0	10.94	0.0				
08/17/2015	22:28:00	-7	0.0	10.93	0.0	Start Cement Slurry			
08/17/2015	22:29:07	134	3.7	12.07	3.1				
08/17/2015	22:30:37	143	4.4	12.12	9.2				
08/17/2015	22:32:07	358	6.2	12.03	18.4				
08/17/2015	22:33:37	248	5.8	11.98	27.8				
08/17/2015	22:35:07	190	5.7	12.00	36.5				
08/17/2015	22:36:37	218	5.8	11.99	45.1				
08/17/2015	22:38:07	294	6.1	11.98	53.6				
08/17/2015	22:39:37	296	6.1	11.96	62.7				
08/17/2015	22:41:07	308	6.1	11.98	71.9				
08/17/2015	22:42:37	195	6.1	11.97	81.0				
08/17/2015	22:44:07	330	6.7	12.01	90.9				
08/17/2015	22:45:37	330	6.7	12.09	101.0				
08/17/2015	22:47:07	324	6.7	12.07	110.9				
08/17/2015	22:48:37	331	6.7	12.05	121.0				
08/17/2015	22:48:40	349	6.7	12.06	121.3	Pump 304 BBLs 12.0 PPG Lead			
08/17/2015	22:50:07	343	6.6	12.08	130.9				
08/17/2015	22:50:57	336	6.7	12.09	136.5	SKS = 954 Y = 1.79			
08/17/2015	22:51:37	367	6.7	12.07	141.0				
08/17/2015	22:51:48	336	6.7	12.07	142.2	Take Dry Sample = 008908			
08/17/2015	22:52:10	364	6.7	12.06	144.7	Take Wet Sample = 12.0 PPG			
08/17/2015	22:52:38	354	6.7	12.06	147.8	Good Returns			
08/17/2015	22:53:07	352	6.7	12.05	151.0				
08/17/2015	22:54:37	356	6.7	12.04	161.1				
08/17/2015	22:56:07	361	6.7	12.05	171.1				
08/17/2015	22:57:37	386	6.7	12.10	181.1				
08/17/2015	22:59:07	348	6.7	12.03	191.2				
08/17/2015	23:00:37	365	6.7	12.02	201.2				
08/17/2015	23:02:07	348	6.7	12.01	211.3				
08/17/2015	23:03:37	363	6.7	12.03	221.3				
08/17/2015	23:05:07	343	6.7	12.04	231.4				
08/17/2015	23:06:37	354	6.7	12.01	241.4				
08/17/2015	23:08:07	380	6.7	12.04	251.5				
08/17/2015	23:09:37	366	6.7	12.03	261.5				

Well			Field	Job Start		Customer	Job Number	
Troud 6 6			Wattenberg		Aug/17/2015		Extraction	2174054
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
08/17/2015	23:12:37	369	6.7	12.04	281.6			
08/17/2015	23:14:07	223	6.1	12.08	291.3			
08/17/2015	23:15:37	328	6.1	12.05	300.5			
08/17/2015	23:17:00	241	4.5	12.01	308.5	End Lead Slurry		
08/17/2015	23:17:07	228	4.5	12.01	309.0			
08/17/2015	23:18:37	209	4.5	13.00	3.4			
08/17/2015	23:20:07	285	6.1	13.50	12.4			
08/17/2015	23:21:37	446	6.1	13.53	21.6			
08/17/2015	23:23:07	439	6.1	13.53	30.7			
08/17/2015	23:24:37	373	5.9	13.50	39.8			
08/17/2015	23:26:07	340	6.1	13.44	49.0			
08/17/2015	23:27:05	359	6.1	13.43	54.8	Start Mixing Tail Slurry		
08/17/2015	23:27:37	388	6.1	13.45	58.1			
08/17/2015	23:27:38	327	6.1	13.45	58.2	Pump 608 BBLS 13.5 PPG Tail		
08/17/2015	23:28:25	384	6.0	13.41	63.0	Take Dry Sample = 008534		
08/17/2015	23:29:07	355	6.1	13.44	67.2			
08/17/2015	23:30:37	348	6.1	13.46	76.3			
08/17/2015	23:31:23	322	6.1	13.49	81.0	Take Wet Sample = 13.5 PPG		
08/17/2015	23:32:07	443	6.1	13.48	85.5			
08/17/2015	23:33:37	417	6.1	13.44	94.6			
08/17/2015	23:35:07	401	6.1	13.46	103.7			
08/17/2015	23:36:37	373	6.1	13.49	112.9			
08/17/2015	23:38:07	434	6.1	13.54	122.0			
08/17/2015	23:39:37	409	6.1	13.58	131.1			
08/17/2015	23:41:07	287	6.1	13.57	140.3			
08/17/2015	23:42:37	331	6.1	13.50	149.4			
08/17/2015	23:44:07	397	6.1	13.43	158.6			
08/17/2015	23:45:37	383	6.1	13.43	167.7			
08/17/2015	23:47:07	293	6.2	13.32	177.0			
08/17/2015	23:48:37	299	6.1	13.61	186.2			
08/17/2015	23:50:07	450	6.1	13.64	195.3			
08/17/2015	23:51:37	406	6.1	13.64	204.5			
08/17/2015	23:53:07	300	6.1	13.61	213.6			
08/17/2015	23:54:37	344	5.8	13.63	222.7			
08/17/2015	23:56:07	492	6.6	13.52	232.5			
08/17/2015	23:57:37	500	6.6	13.51	242.5			
08/17/2015	23:59:07	488	6.6	13.52	252.4			
08/18/2015	00:00:37	476	6.6	13.53	262.4			
08/18/2015	00:02:07	532	6.6	13.59	272.4			
08/18/2015	00:03:37	491	6.6	13.54	282.3			
08/18/2015	00:05:07	492	6.6	13.56	292.3			
08/18/2015	00:06:37	489	6.6	13.55	302.2			
08/18/2015	00:08:07	475	6.6	13.48	312.2			
08/18/2015	00:09:37	515	6.6	13.47	322.1			
08/18/2015	00:11:07	485	6.7	13.51	332.1			
08/18/2015	00:12:37	456	6.6	13.53	342.1			
08/18/2015	00:14:07	506	6.6	13.54	352.0			
08/18/2015	00:15:37	492	6.6	13.54	362.0			
08/18/2015	00:17:07	506	6.6	13.52	371.9			
08/18/2015	00:18:37	480	6.7	13.53	381.9			
08/18/2015	00:20:07	528	6.6	13.55	391.8			
08/18/2015	00:21:37	484	6.6	13.55	401.8			
08/18/2015	00:23:07	481	6.6	13.54	411.7			
08/18/2015	00:24:37	506	6.6	13.55	421.6			

Well			Field	Job Start		Customer		Job Number	
Troud 6 6			Wattenberg		Aug/17/2015		Extraction		2174054
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/18/2015	00:27:37	494	6.6	13.57	441.6				
08/18/2015	00:29:07	500	6.6	13.49	451.5				
08/18/2015	00:30:37	492	6.7	13.49	461.5				
08/18/2015	00:32:07	470	6.6	13.53	471.5				
08/18/2015	00:33:37	477	6.6	13.54	481.4				
08/18/2015	00:35:07	498	6.6	13.54	491.4				
08/18/2015	00:36:37	167	3.5	13.31	500.7				
08/18/2015	00:38:07	166	3.6	13.44	506.0				
08/18/2015	00:39:37	262	4.9	13.43	512.5				
08/18/2015	00:41:07	498	6.6	13.50	522.2				
08/18/2015	00:42:37	510	6.6	13.52	532.1				
08/18/2015	00:44:07	489	6.6	13.47	542.1				
08/18/2015	00:45:37	498	6.6	13.44	552.1				
08/18/2015	00:47:07	469	6.7	13.43	562.1				
08/18/2015	00:48:37	480	6.7	13.41	572.0				
08/18/2015	00:50:07	532	6.6	13.59	582.0				
08/18/2015	00:51:37	508	6.6	13.50	592.0				
08/18/2015	00:53:07	484	6.7	13.57	602.0				
08/18/2015	00:54:37	527	6.7	13.56	612.1				
08/18/2015	00:56:00	513	6.7	13.59	621.3	End Tail Slurry			
08/18/2015	00:56:07	518	6.7	13.58	622.1				
08/18/2015	00:57:37	58	0.0	0.03	631.6				
08/18/2015	00:59:07	9	0.3	10.25	0.1				
08/18/2015	01:00:37	10	0.0	9.41	0.2				
08/18/2015	01:02:07	10	0.0	9.23	0.2				
08/18/2015	01:03:37	62	2.7	9.23	2.7				
08/18/2015	01:05:07	166	2.9	7.16	4.0				
08/18/2015	01:06:37	-3	0.0	-0.04	9.1				
08/18/2015	01:08:07	159	4.8	8.35	10.0				
08/18/2015	01:09:37	43	2.6	8.31	15.3				
08/18/2015	01:11:00	10	0.0	8.32	0.0	Drop Top Plug			
08/18/2015	01:11:07	10	0.0	8.32	0.0				
08/18/2015	01:12:37	224	7.8	8.33	6.2				
08/18/2015	01:14:07	242	8.1	8.33	18.1				
08/18/2015	01:15:37	235	8.1	8.33	30.2				
08/18/2015	01:17:07	602	7.9	8.34	42.1				
08/18/2015	01:18:37	677	7.9	8.33	53.9				
08/18/2015	01:20:07	825	7.8	8.33	65.7				
08/18/2015	01:21:37	931	7.9	8.33	77.5				
08/18/2015	01:23:07	917	7.3	8.33	89.2				
08/18/2015	01:23:32	1053	7.4	8.33	92.3	Displace 392 BBLS H2O			
08/18/2015	01:24:37	1152	7.4	8.33	100.4				
08/18/2015	01:26:07	1301	7.4	8.33	111.5				
08/18/2015	01:27:37	1439	7.2	8.33	122.5				
08/18/2015	01:29:07	1620	7.3	8.33	133.4				
08/18/2015	01:30:37	1774	7.3	8.33	144.4				
08/18/2015	01:32:07	1915	7.3	8.33	155.3				
08/18/2015	01:33:37	2069	7.3	8.33	166.3				
08/18/2015	01:35:07	2205	7.2	8.33	177.2				
08/18/2015	01:36:37	2224	7.3	8.33	188.1				
08/18/2015	01:38:07	2280	7.2	8.33	199.0				
08/18/2015	01:39:37	1952	3.8	8.33	205.2				
08/18/2015	01:41:07	1971	3.8	8.33	210.9				
08/18/2015	01:42:37	1999	3.8	8.33	216.6				

Well			Field	Job Start		Customer		Job Number	
Troudtt 6 6			Wattenberg		Aug/17/2015		Extraction		2174054
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/18/2015	01:45:37	2024	3.8	8.33	228.0				
08/18/2015	01:47:07	2039	3.8	8.33	233.7				
08/18/2015	01:48:37	2052	3.8	8.33	239.4				
08/18/2015	01:50:07	2069	4.0	8.33	244.9				
08/18/2015	01:51:37	2158	4.4	8.33	251.5				
08/18/2015	01:53:07	2083	3.8	8.33	257.8				
08/18/2015	01:54:37	2084	3.8	8.33	263.5				
08/18/2015	01:56:07	2106	3.7	8.33	269.1				
08/18/2015	01:57:37	2115	3.8	8.33	274.8				
08/18/2015	01:59:07	2127	3.8	8.33	280.5				
08/18/2015	02:00:37	2126	3.8	8.33	286.2				
08/18/2015	02:02:07	2142	3.8	8.33	291.9				
08/18/2015	02:03:37	2142	3.8	8.33	297.6				
08/18/2015	02:05:07	2148	3.8	8.33	303.4				
08/18/2015	02:06:37	2170	3.8	8.34	309.1				
08/18/2015	02:08:07	2182	3.8	8.33	314.8				
08/18/2015	02:09:37	1798	0.0	8.34	318.5				
08/18/2015	02:11:07	1888	0.6	8.34	318.9				
08/18/2015	02:12:37	1968	0.6	8.34	319.8				
08/18/2015	02:14:07	1930	0.6	8.34	320.8				
08/18/2015	02:15:37	1970	0.6	8.34	321.6				
08/18/2015	02:17:07	1986	0.6	8.34	322.5				
08/18/2015	02:18:37	1985	0.6	8.34	323.4				
08/18/2015	02:20:07	2048	0.6	8.34	324.3				
08/18/2015	02:21:37	1975	0.6	8.34	325.2				
08/18/2015	02:23:07	2030	0.6	8.34	326.2				
08/18/2015	02:24:37	2019	0.6	8.34	327.1				
08/18/2015	02:26:07	2062	0.6	8.34	328.0				
08/18/2015	02:27:37	2051	0.6	8.34	328.9				
08/18/2015	02:29:07	2479	3.8	8.34	333.0				
08/18/2015	02:30:37	2447	3.8	8.33	338.7				
08/18/2015	02:32:07	2417	3.8	8.33	344.4				
08/18/2015	02:33:37	2390	3.8	8.33	350.1				
08/18/2015	02:35:07	2327	3.8	8.33	355.9				
08/18/2015	02:36:37	2413	3.8	8.33	361.6				
08/18/2015	02:38:07	2426	3.8	8.33	367.3				
08/18/2015	02:39:37	2430	3.8	8.33	373.0				
08/18/2015	02:41:07	2410	3.8	8.33	378.7				
08/18/2015	02:42:37	2426	3.8	8.33	384.4				
08/18/2015	02:44:07	2448	3.8	8.33	390.2				
08/18/2015	02:45:37	2507	3.8	8.33	395.9				
08/18/2015	02:47:07	2493	3.8	8.33	401.6				
08/18/2015	02:48:37	2111	0.0	8.33	402.4				
08/18/2015	02:50:07	2222	1.0	8.33	403.1				
08/18/2015	02:51:37	2162	0.0	8.33	404.0				
08/18/2015	02:53:07	2139	0.0	8.33	404.0				
08/18/2015	02:54:37	1871	0.0	8.43	404.0				
08/18/2015	02:55:16	51	0.0	8.42	404.0	Didnt Bump			
08/18/2015	02:55:29	-7	0.0	8.42	404.0	Floats Held			
08/18/2015	02:56:07	-2	0.0	8.42	404.0				
08/18/2015	02:57:37	-2	0.0	8.32	404.0				
08/18/2015	02:57:40	-2	0.0	8.32	404.0	110 BBLS Cement To Surface			

Well Troud 6 6	Field Wattenberg	Job Start Aug/17/2015	Customer Extraction	Job Number 2174054
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.2	N2	Mud	Maximum Rate 17.2	Total Slurry 1418.8	Mud 0.0	Spacer 165.2	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4930	Final -1	Average 967	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 912.0 bbl	Displacement 316.2 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 110.0 bbl			
				Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative Shawn McIntire			Schlumberger Supervisor Conley Jense/ Greg Black		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		



Service Order #:	
Date:	Aug/17/2015
Operating Time (hh:mm):	00:00
Client Rep:	Shawn McIntire
Schlumberger Engineer:	Conley Jense/ Greg Black
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: