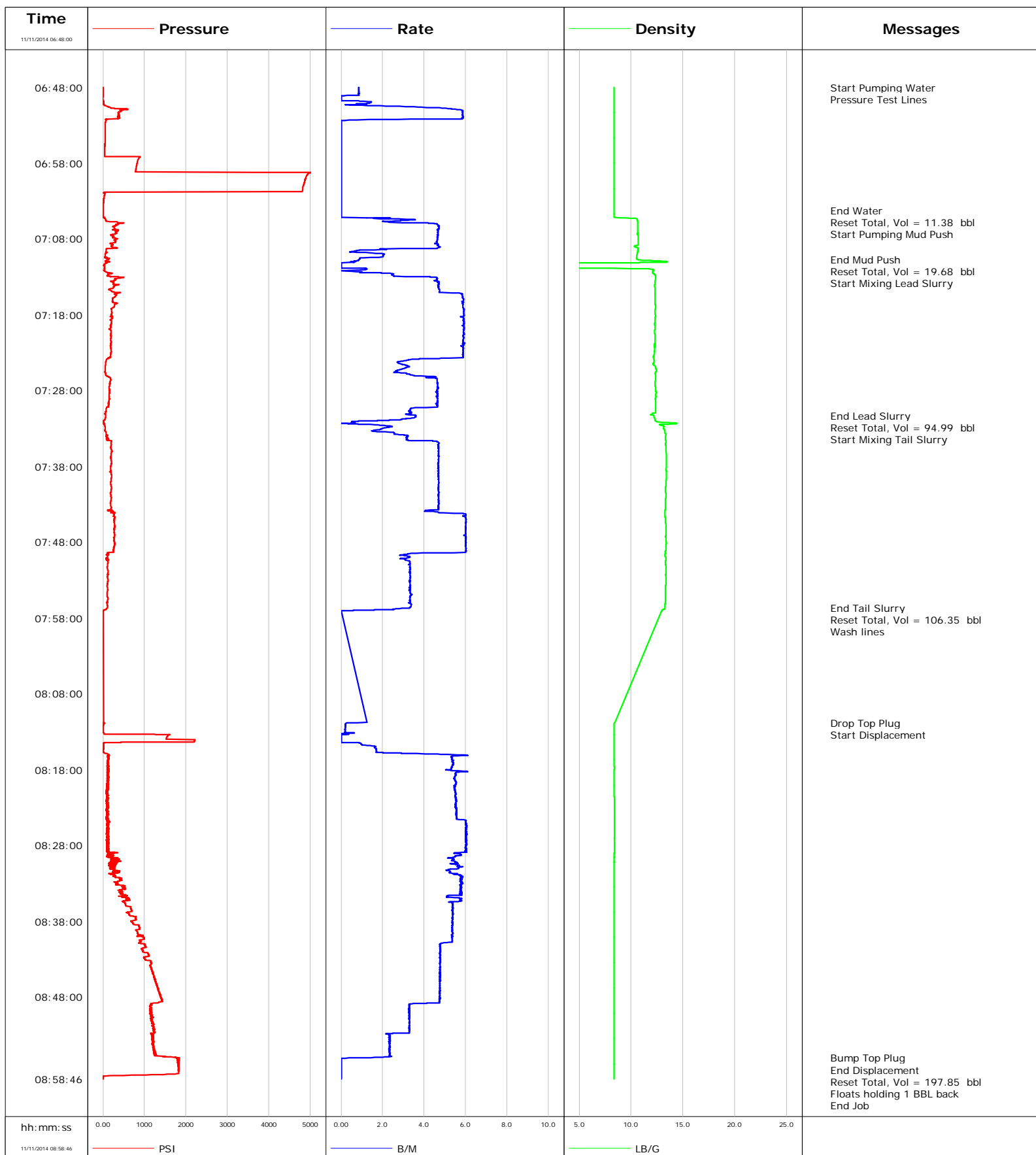


**Well** Gaede 9S-55W-08-16  
**Field** Wild Cat  
**Engineer** Anthony Fowler  
**Country** United States

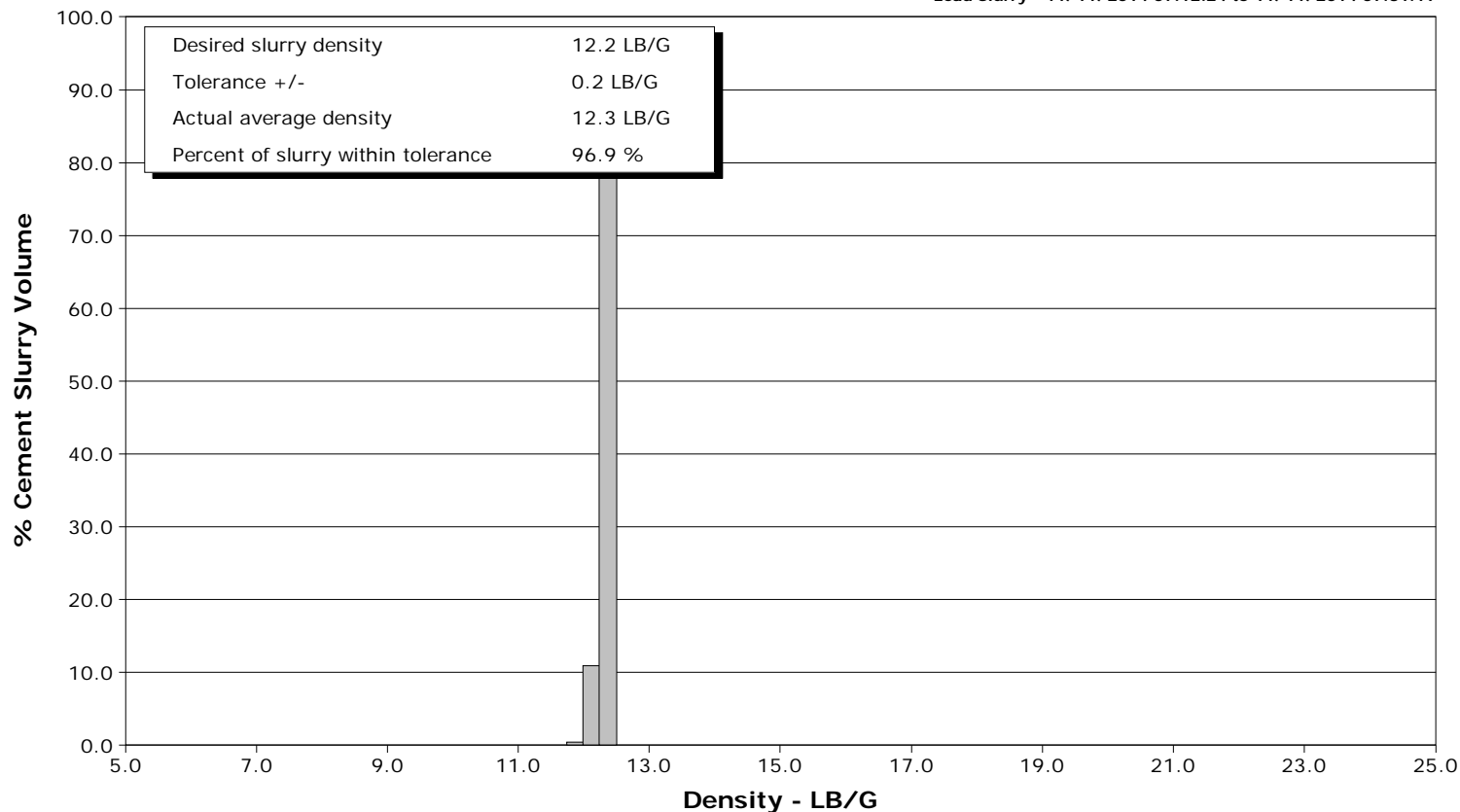
**Client** Cascade  
**SIR No.** D4RN-00152  
**Job Type** 5 1/2 LS  
**Job Date** 11-11-2014



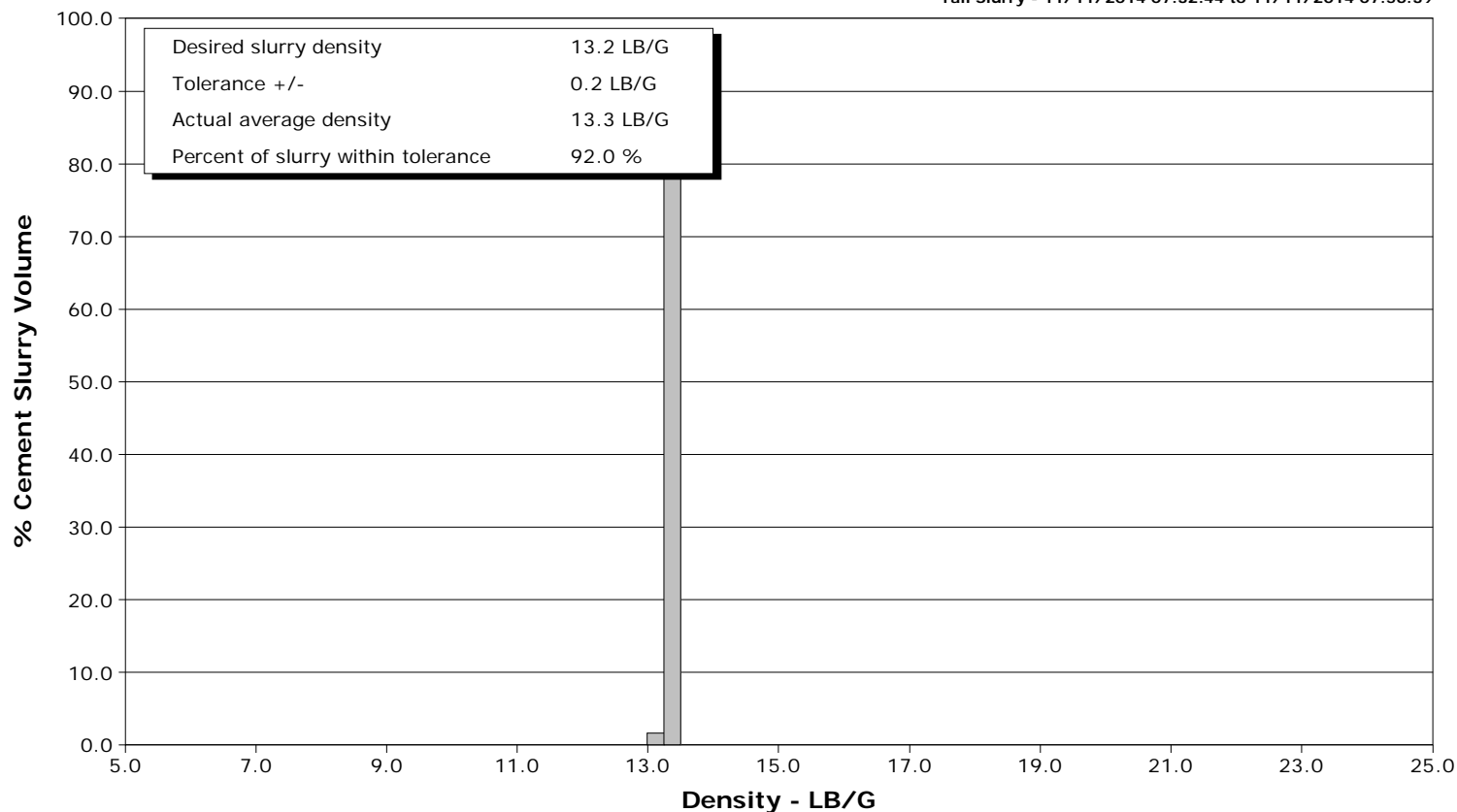
**Well** Gaede 9S-55W-08-16  
**Field** Wild Cat  
**Engineer** Anthony Fowler  
**Country** United States

**Client** Cascade  
**SIR No.** D4RN-00152  
**Job Type** 5 1/2 LS  
**Job Date** 11-11-2014

Lead Slurry - 11/11/2014 07:12:24 to 11/11/2014 07:31:19



Tail Slurry - 11/11/2014 07:32:44 to 11/11/2014 07:56:39





# Cementing Service Report

				Customer Cascade		Job Number D4RN-00152	
Well Gaede 9S-55W-08-16			Location (legal)		Schlumberger Location Rock Springs		Job Start Nov/11/2014
Field Wild Cat		Formation Name/Type Shale		Deviation	Bit Size	Well MD 8564.0 ft	Well TVD
County Lincoln		State/Province Colorado		BHP	BHST	BHCT	Pore Press. Gradient
Well Master		API/UWI					
Rig Name Xtreme 11		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			
				8564.0	5.500	17.0	8RD
				0.0	0.000	0.0	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe	
				Depth,	Size,	Weight,	Grade
							Thread
Service Line Cementing		Job Type 5 1/2 LS					
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole	
				Top,	Bottom,	No. of Shots	Total Interval
							Diameter
				Treat Down Casing	Displacement 198.0 bbl	Packer Type	Packer Depth
				Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure				Shoe Type Guide		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 8564.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type	
						Tool Depth	
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size	
Job Scheduled For Nov/11/2014		Arrived on Location Nov/11/2014		Leave Location Nov/11/2014		Collar Type Float	
						Tail Pipe Depth	
						Collar Depth 8519.0 ft	
						Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/11/2014	03:30:15					Started Acquisition	
11/11/2014	06:47:59					Start Job	
11/11/2014	06:48:00	3	0.8	8.36	0.0		
11/11/2014	06:48:02					Start Pumping Water	
11/11/2014	06:48:02	3	0.9	8.36	0.0		
11/11/2014	06:48:04					Pressure Test Lines	
11/11/2014	06:48:04	3	0.8	8.36	0.1		
11/11/2014	06:48:15	3	0.9	8.36	0.2		
11/11/2014	06:49:15	3	0.0	8.36	0.9		
11/11/2014	06:50:15	17	1.2	8.36	1.5		
11/11/2014	06:51:15	408	5.9	8.36	5.5		
11/11/2014	06:52:15	50	2.7	8.36	11.2		
11/11/2014	06:53:15	52	0.0	8.35	11.4		
11/11/2014	06:54:15	49	0.0	8.36	11.4		
11/11/2014	06:55:15	48	0.0	8.35	11.4		
11/11/2014	06:56:15	47	0.0	8.35	11.4		
11/11/2014	06:57:15	891	0.0	8.36	11.4		
11/11/2014	06:58:15	815	0.0	8.35	11.4		
11/11/2014	06:59:15	4880	0.0	8.35	11.4		
11/11/2014	07:00:15	4872	0.0	8.36	11.4		
11/11/2014	07:01:15	4814	0.0	8.36	11.4		

Well Gaede 9S-55W-08-16			Field Wild Cat		Job Start Nov/11/2014	Customer Cascade	Job Number D4RN-00152
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/11/2014	07:03:15	13	0.0	8.36	11.4		
11/11/2014	07:04:15					End Water	
11/11/2014	07:04:15	6	0.0	8.36	11.4		
11/11/2014	07:04:16					Reset Total, Vol = 11.38 bbl	
11/11/2014	07:04:16					Start Pumping Mud Push	
11/11/2014	07:04:16	5	0.0	8.36	11.4		
11/11/2014	07:05:15	35	2.4	9.43	0.1		
11/11/2014	07:06:15	310	4.7	10.64	3.4		
11/11/2014	07:07:15	339	4.7	10.67	8.1		
11/11/2014	07:08:15	312	4.6	10.71	12.7		
11/11/2014	07:09:15	212	4.6	10.68	17.4		
11/11/2014	07:10:15	53	2.0	10.53	19.0		
11/11/2014	07:10:42					End Mud Push	
11/11/2014	07:10:42	114	0.9	10.61	19.7		
11/11/2014	07:10:43					Reset Total, Vol = 19.68 bbl	
11/11/2014	07:10:43	114	0.9	10.61	19.7		
11/11/2014	07:11:15	52	0.0	0.69	0.3		
11/11/2014	07:12:15	42	0.4	12.09	0.6		
11/11/2014	07:12:24					Start Mixing Lead Slurry	
11/11/2014	07:12:24	90	1.0	12.09	0.7		
11/11/2014	07:13:15	296	4.7	12.37	3.3		
11/11/2014	07:14:15	255	4.7	12.28	7.9		
11/11/2014	07:15:15	323	5.8	12.31	12.8		
11/11/2014	07:16:15	229	5.9	12.32	18.7		
11/11/2014	07:17:15	203	5.9	12.33	24.5		
11/11/2014	07:18:15	231	5.8	12.35	30.4		
11/11/2014	07:19:15	203	5.9	12.25	36.3		
11/11/2014	07:20:15	197	5.9	12.26	42.3		
11/11/2014	07:21:15	186	5.9	12.32	48.2		
11/11/2014	07:22:15	187	5.9	12.28	54.0		
11/11/2014	07:23:15	188	5.9	12.23	59.9		
11/11/2014	07:24:15	68	2.7	12.21	64.5		
11/11/2014	07:25:15	57	2.9	12.43	67.5		
11/11/2014	07:26:15	163	4.4	12.37	70.7		
11/11/2014	07:27:15	163	4.7	12.33	75.3		
11/11/2014	07:28:15	160	4.6	12.43	80.0		
11/11/2014	07:29:15	148	4.6	12.37	84.6		
11/11/2014	07:30:15	90	3.7	12.38	89.2		
11/11/2014	07:31:15	64	3.6	12.14	92.6		
11/11/2014	07:31:19					End Lead Slurry	
11/11/2014	07:31:19	62	3.6	12.22	92.8		
11/11/2014	07:32:02					Reset Total, Vol = 94.99 bbl	
11/11/2014	07:32:02	17	0.9	12.36	95.0		
11/11/2014	07:32:15	17	0.7	13.85	0.1		
11/11/2014	07:32:44					Start Mixing Tail Slurry	
11/11/2014	07:32:44	48	2.5	13.15	0.8		
11/11/2014	07:33:15	50	1.6	13.24	1.8		
11/11/2014	07:34:15	98	3.1	13.32	4.4		
11/11/2014	07:35:15	194	4.7	13.33	8.5		
11/11/2014	07:36:15	197	4.7	13.38	13.2		
11/11/2014	07:37:15	201	4.7	13.41	17.9		
11/11/2014	07:38:15	185	4.7	13.38	22.6		
11/11/2014	07:39:15	209	4.7	13.40	27.3		
11/11/2014	07:40:15	187	4.7	13.36	32.0		

Well Gaede 9S-55W-08-16			Field Wild Cat		Job Start Nov/11/2014	Customer Cascade	Job Number D4RN-00152
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/11/2014	07:42:15	201	4.7	13.34	41.4		
11/11/2014	07:43:15	189	4.7	13.30	46.1		
11/11/2014	07:44:15	267	6.0	13.27	50.7		
11/11/2014	07:45:15	266	6.0	13.32	56.7		
11/11/2014	07:46:15	268	6.0	13.36	62.7		
11/11/2014	07:47:15	282	6.0	13.33	68.7		
11/11/2014	07:48:15	281	6.0	13.38	74.8		
11/11/2014	07:49:15	248	6.0	13.29	80.8		
11/11/2014	07:50:15	100	3.1	13.35	84.4		
11/11/2014	07:51:15	106	3.3	13.37	87.6		
11/11/2014	07:52:15	119	3.3	13.34	90.9		
11/11/2014	07:53:15	117	3.3	13.35	94.3		
11/11/2014	07:54:15	119	3.3	13.30	97.6		
11/11/2014	07:55:15	109	3.3	13.29	100.9		
11/11/2014	07:56:15	105	3.4	13.28	104.3		
11/11/2014	07:56:39					End Tail Slurry	
11/11/2014	07:56:39	108	3.3	13.26	105.6		
11/11/2014	07:56:55					Reset Total, Vol = 106.35 bbl	
11/11/2014	07:56:55	43	2.2	13.02	106.3		
11/11/2014	07:56:57					Wash lines	
11/11/2014	07:56:57	24	1.6	13.02	0.1		
11/11/2014	08:11:49					Drop Top Plug	
11/11/2014	08:11:49					Start Displacement	
11/11/2014	08:11:49	23	0.4	8.41	0.2		
11/11/2014	08:12:15	10	0.2	8.36	0.3		
11/11/2014	08:13:15	33	0.0	8.37	0.5		
11/11/2014	08:14:15	2203	0.0	8.37	0.5		
11/11/2014	08:15:15	12	1.7	8.37	1.6		
11/11/2014	08:16:15	113	5.4	8.37	4.7		
11/11/2014	08:17:15	134	5.4	8.37	10.1		
11/11/2014	08:18:15	146	6.1	8.38	15.5		
11/11/2014	08:19:15	105	5.5	8.37	21.0		
11/11/2014	08:20:15	122	5.5	8.38	26.5		
11/11/2014	08:21:15	106	5.5	8.38	32.0		
11/11/2014	08:22:15	116	5.5	8.38	37.5		
11/11/2014	08:23:15	120	5.6	8.38	43.1		
11/11/2014	08:24:15	129	5.6	8.38	48.6		
11/11/2014	08:25:15	98	6.0	8.38	54.5		
11/11/2014	08:26:15	95	6.1	8.38	60.5		
11/11/2014	08:27:15	83	6.0	8.38	66.5		
11/11/2014	08:28:15	107	6.0	8.38	72.6		
11/11/2014	08:29:15	106	5.8	8.38	78.4		
11/11/2014	08:30:15	144	5.6	8.38	83.9		
11/11/2014	08:31:15	251	5.1	8.37	89.5		
11/11/2014	08:32:15	420	5.8	8.37	95.0		
11/11/2014	08:33:15	425	5.8	8.37	100.8		
11/11/2014	08:34:15	423	5.8	8.37	106.5		
11/11/2014	08:35:15	600	5.7	8.37	112.1		
11/11/2014	08:36:15	660	5.4	8.37	117.5		
11/11/2014	08:37:15	644	5.4	8.37	122.9		
11/11/2014	08:38:15	720	5.4	8.37	128.2		
11/11/2014	08:39:15	811	5.4	8.37	133.6		
11/11/2014	08:40:15	994	5.4	8.37	139.0		
11/11/2014	08:41:15	1016	4.8	8.37	144.1		

Well			Field		Job Start		Customer		Job Number	
Gaede 9S-55W-08-16			Wild Cat		Nov/11/2014		Cascade		D4RN-00152	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/11/2014	08:43:15	1146	4.8	8.37	153.6					
11/11/2014	08:44:15	1172	4.8	8.37	158.4					
11/11/2014	08:45:15	1223	4.8	8.37	163.2					
11/11/2014	08:46:15	1283	4.8	8.37	167.9					
11/11/2014	08:47:15	1343	4.8	8.37	172.7					
11/11/2014	08:48:15	1405	4.8	8.37	177.4					
11/11/2014	08:49:15	1125	3.3	8.37	181.5					
11/11/2014	08:50:15	1137	3.3	8.37	184.8					
11/11/2014	08:51:15	1189	3.3	8.37	188.1					
11/11/2014	08:52:15	1251	3.3	8.37	191.4					
11/11/2014	08:53:15	1170	2.4	8.37	194.2					
11/11/2014	08:54:15	1184	2.4	8.37	196.5					
11/11/2014	08:55:15	1271	2.3	8.36	198.9					
11/11/2014	08:56:01					Bump Top Plug				
11/11/2014	08:56:01					End Displacement				
11/11/2014	08:56:01	1764	0.4	8.37	200.5					
11/11/2014	08:56:04					Reset Total, Vol = 197.85 bbl				
11/11/2014	08:56:04	1835	0.0	8.37	200.6					
11/11/2014	08:56:15	1825	0.0	8.37	0.0					
11/11/2014	08:57:15	1820	0.0	8.37	0.0					
11/11/2014	08:58:15	1047	0.0	8.37	0.0					
11/11/2014	08:58:27					Floats holding 1 BBL back				
11/11/2014	08:58:27	8	0.0	8.37	0.0					
11/11/2014	08:58:42					End Job				
11/11/2014	08:58:42	7	0.0	8.37	0.0					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.6	N2	Mud 3.6	Maximum Rate 8.5	Total Slurry 201.0	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 5039	Final 8	Average 491	Bump Plug to	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume 205.0 bbl	Displacement 198.0 bbl	Mix Water Temp	Cement Circulated to Surface?	Volume		
					Washed Thru Perfs	To		
Customer or Authorized Representative			Schlumberger Supervisor Anthony Fowler			Circulation Lost	Job Completed	
						-	-	