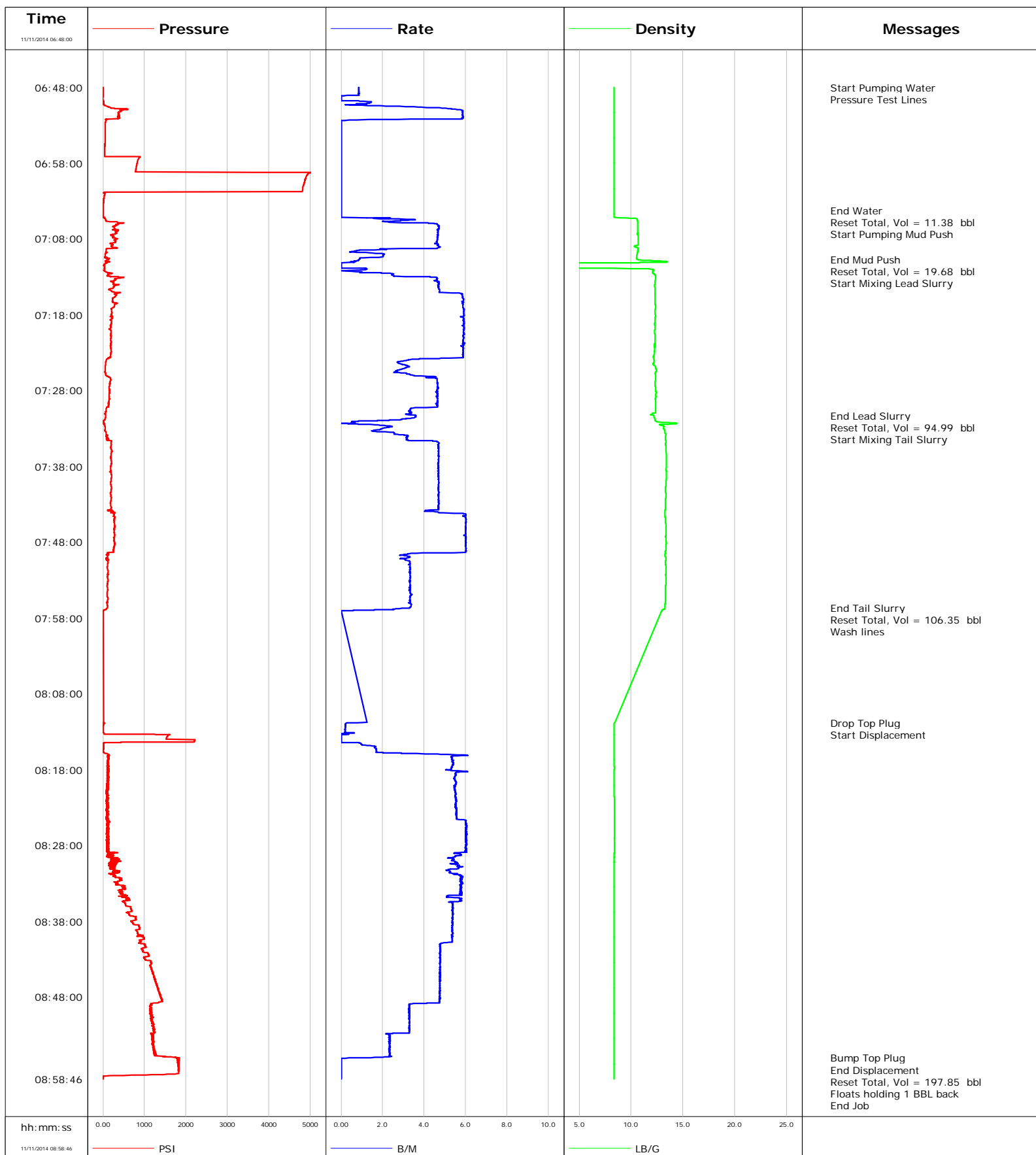


Well Gaede 9S-55W-08-16
Field Wild Cat
Engineer Anthony Fowler
Country United States

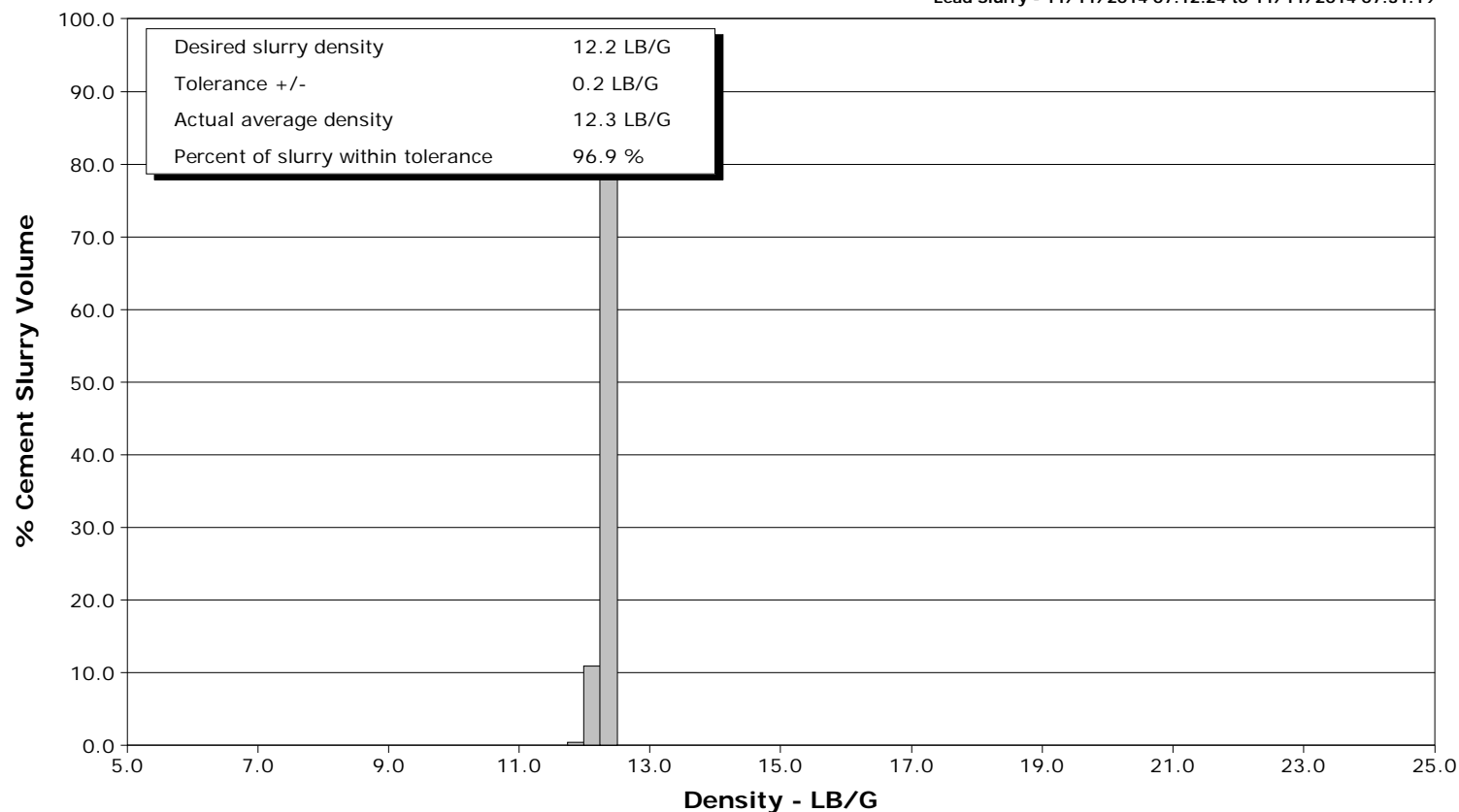
Client Cascade
SIR No. D4RN-00152
Job Type 5 1/2 LS
Job Date 11-11-2014



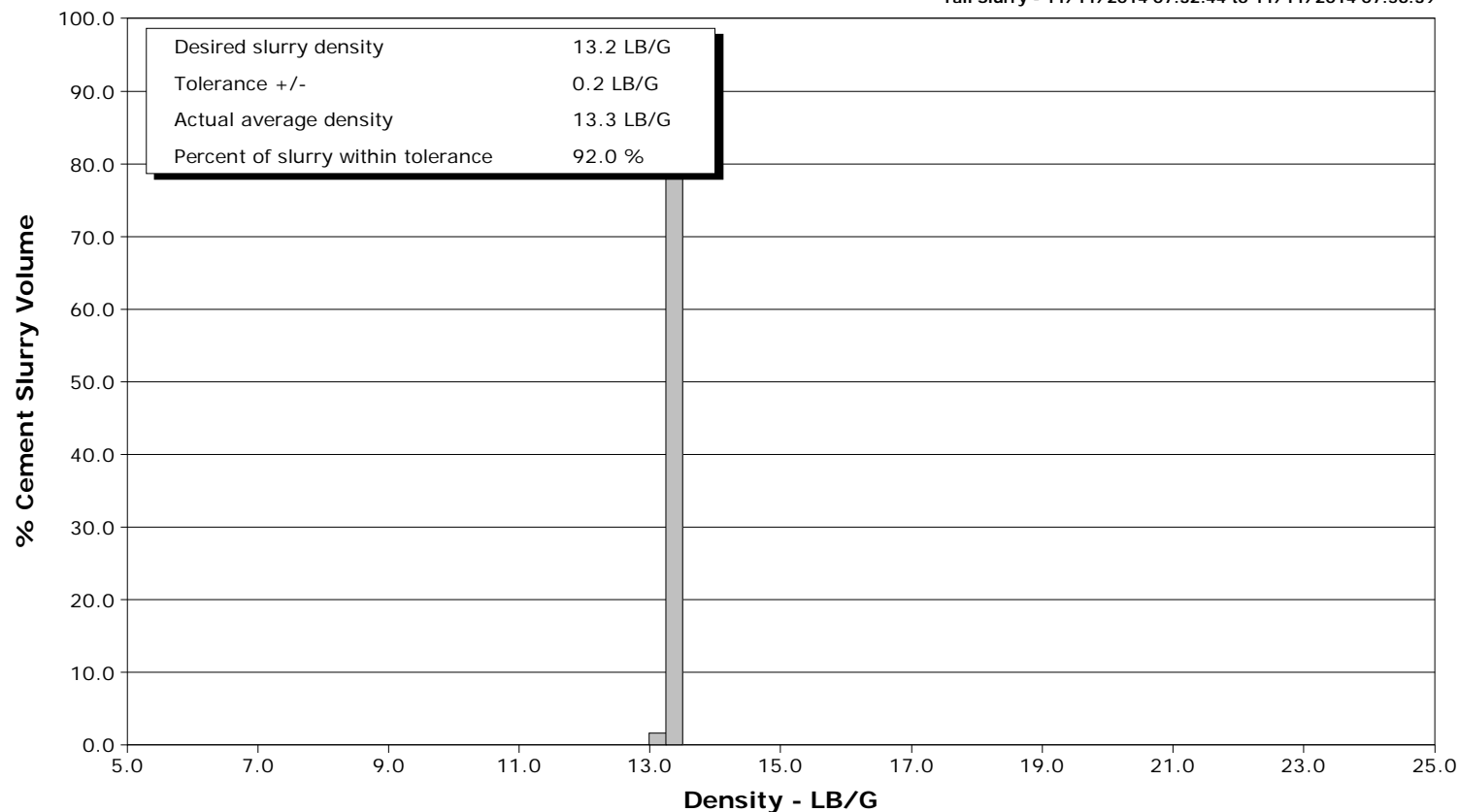
Well Gaede 9S-55W-08-16
Field Wild Cat
Engineer Anthony Fowler
Country United States

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	
Service Instructions								
		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		
					-	- <input checked="" type="checkbox"/>		