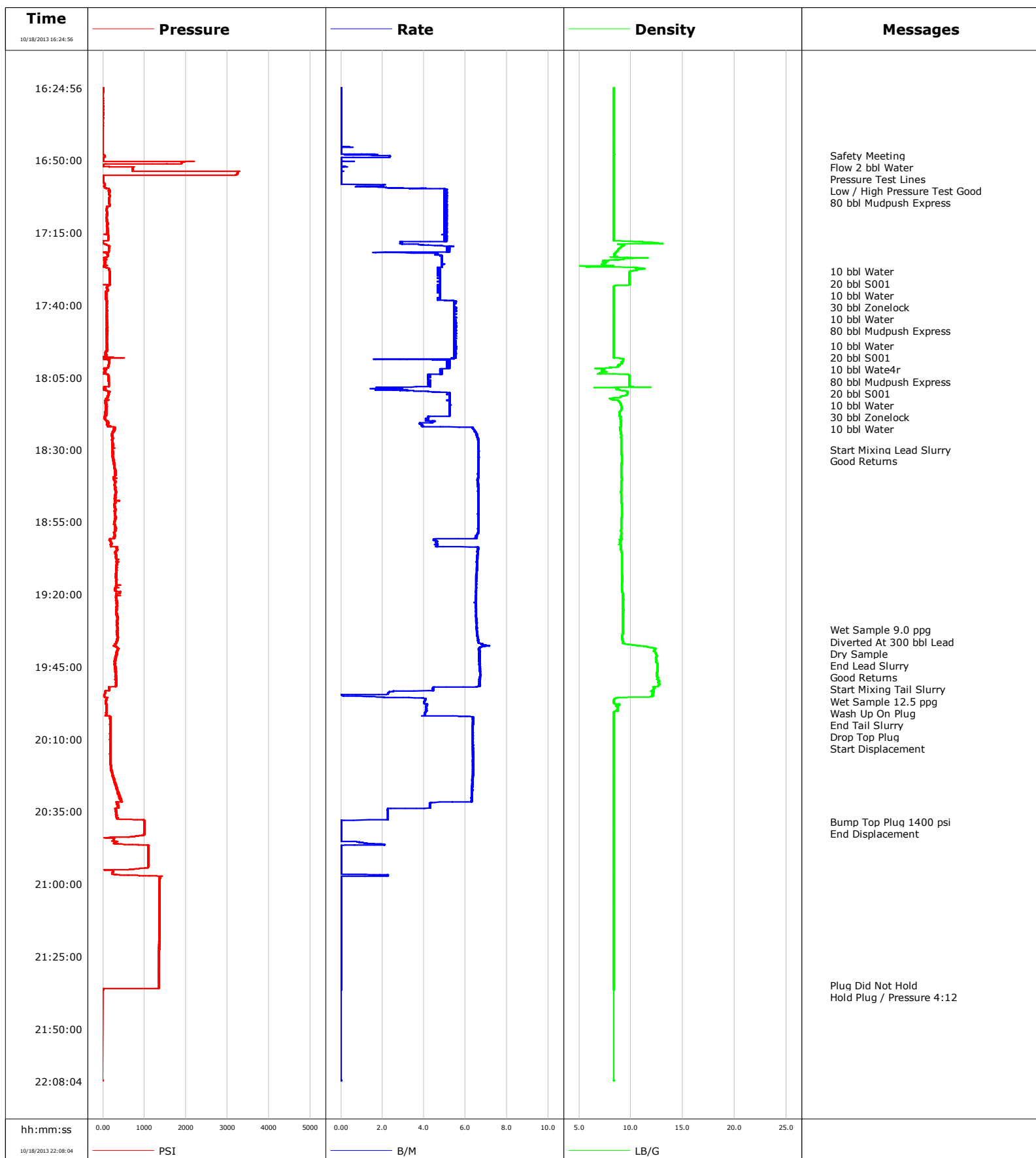


**Well** SGU 8516A-33  
**Field** Story Gulch  
**Engineer** Travis Willardson / Brian David  
**Country** United States

**Client** EnCana  
**SIR No.** CMI!-00377  
**Job Type** 9 5/8 Surface  
**Job Date** 10-18-2013

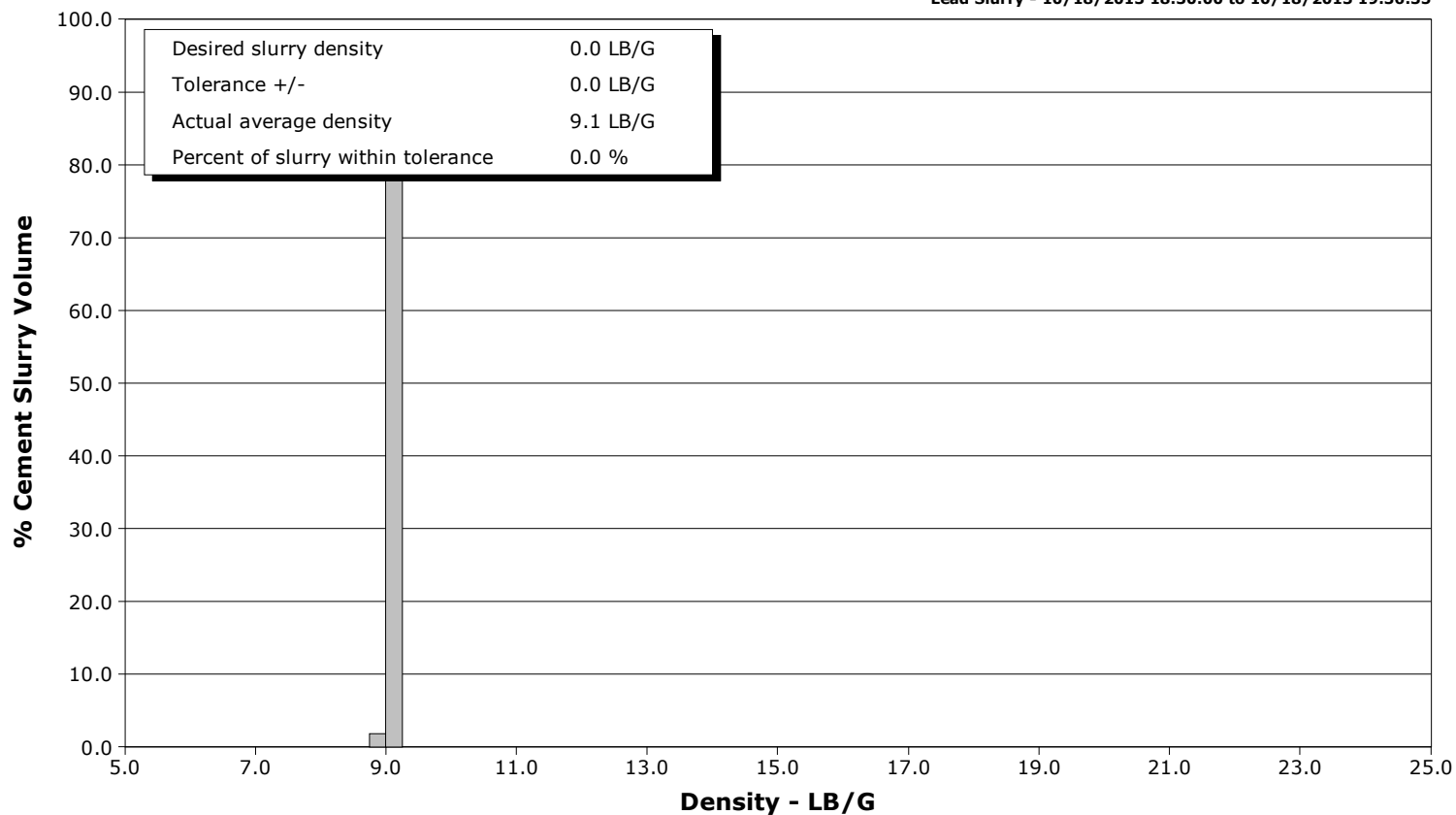


# Schlumberger Cementing Qa/Qc Density Report

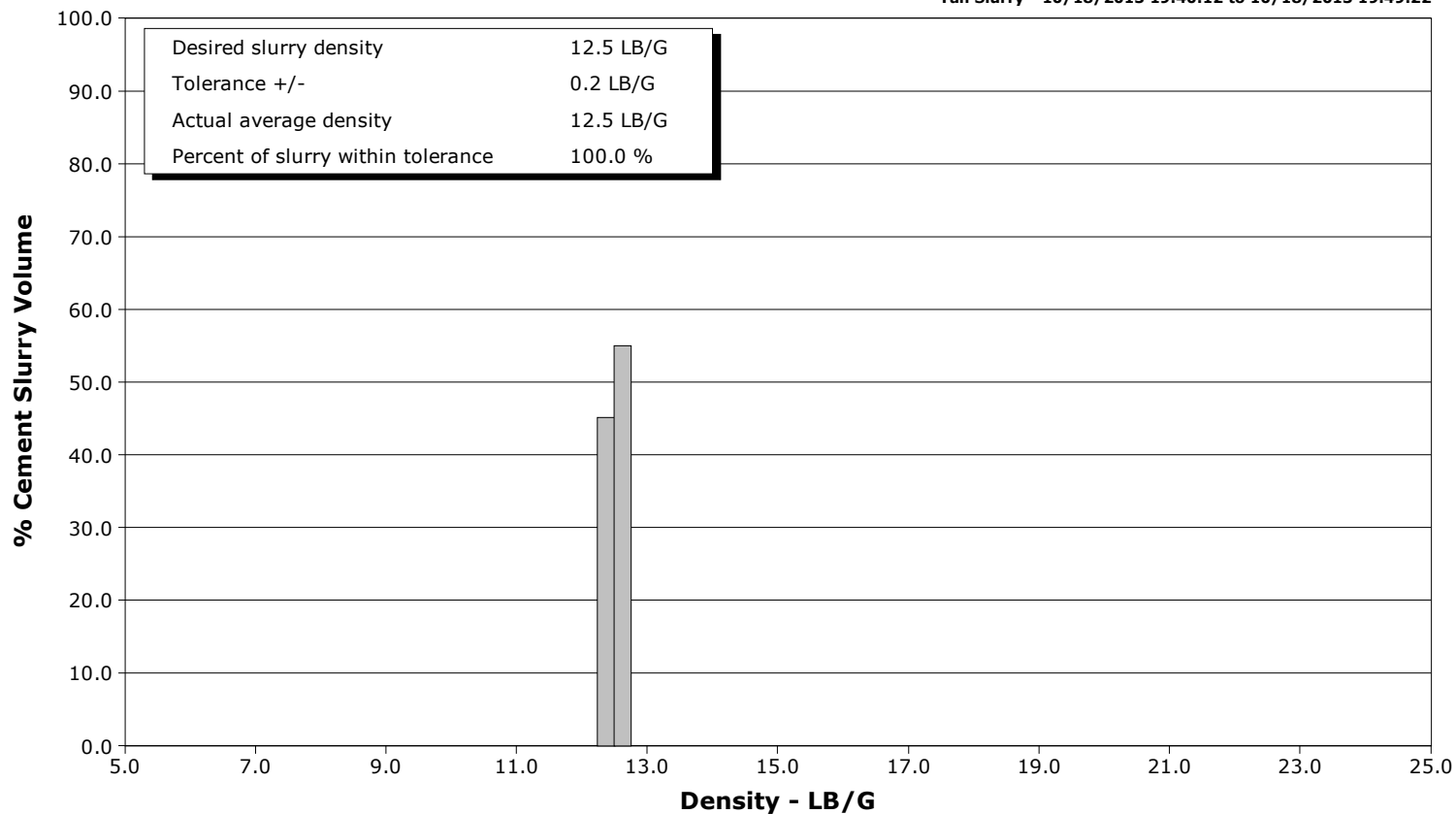
**Well** SGU 8516A-33  
**Field** Story Gulch  
**Engineer** Travis Willardson / Brian David  
**Country** United States

**Client** EnCana  
**SIR No.** CMI!-00377  
**Job Type** 9 5/8 Surface  
**Job Date** 10-18-2013

**Lead Slurry - 10/18/2013 18:30:00 to 10/18/2013 19:36:35**



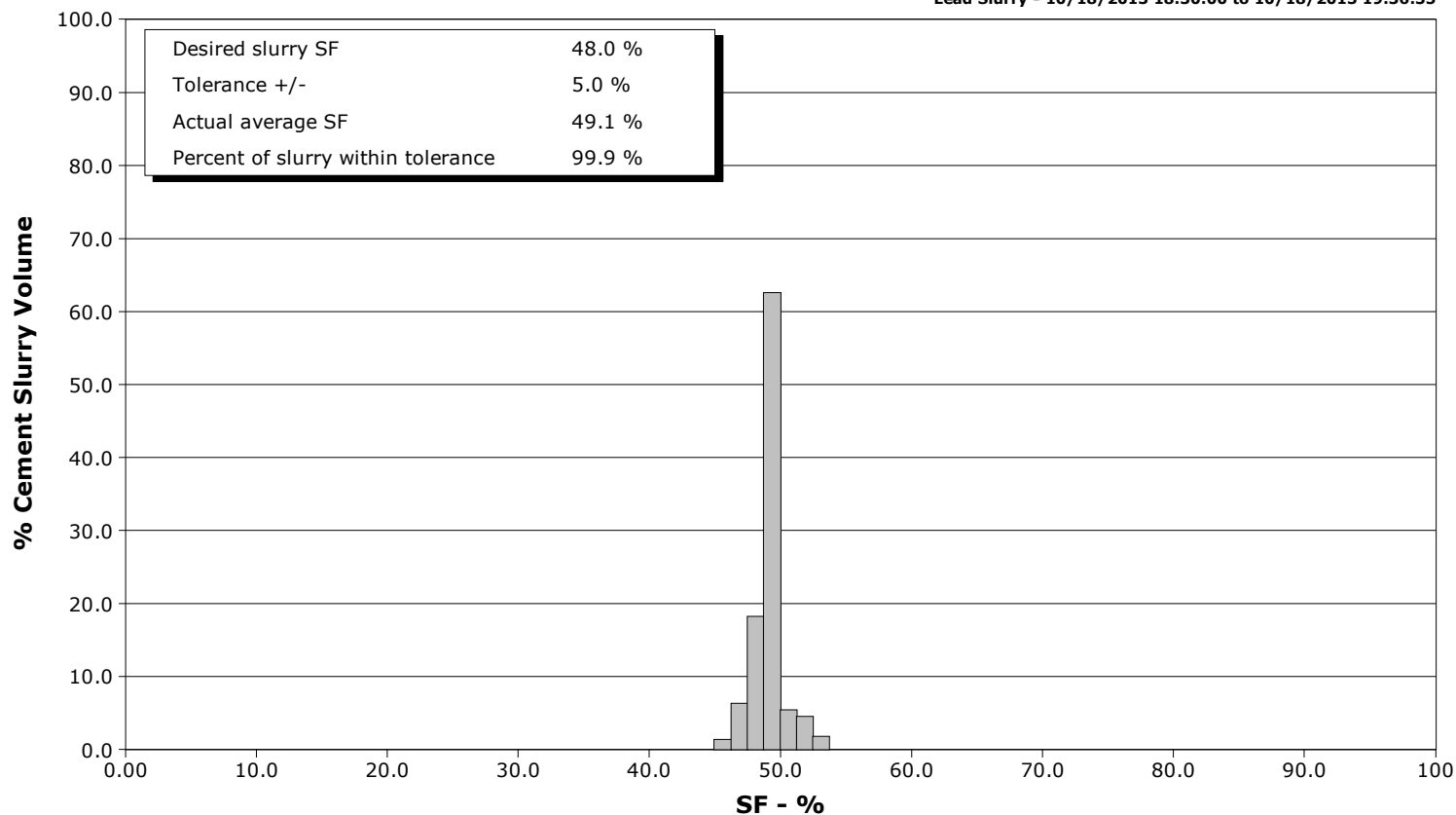
**Tail Slurry - 10/18/2013 19:40:12 to 10/18/2013 19:49:22**



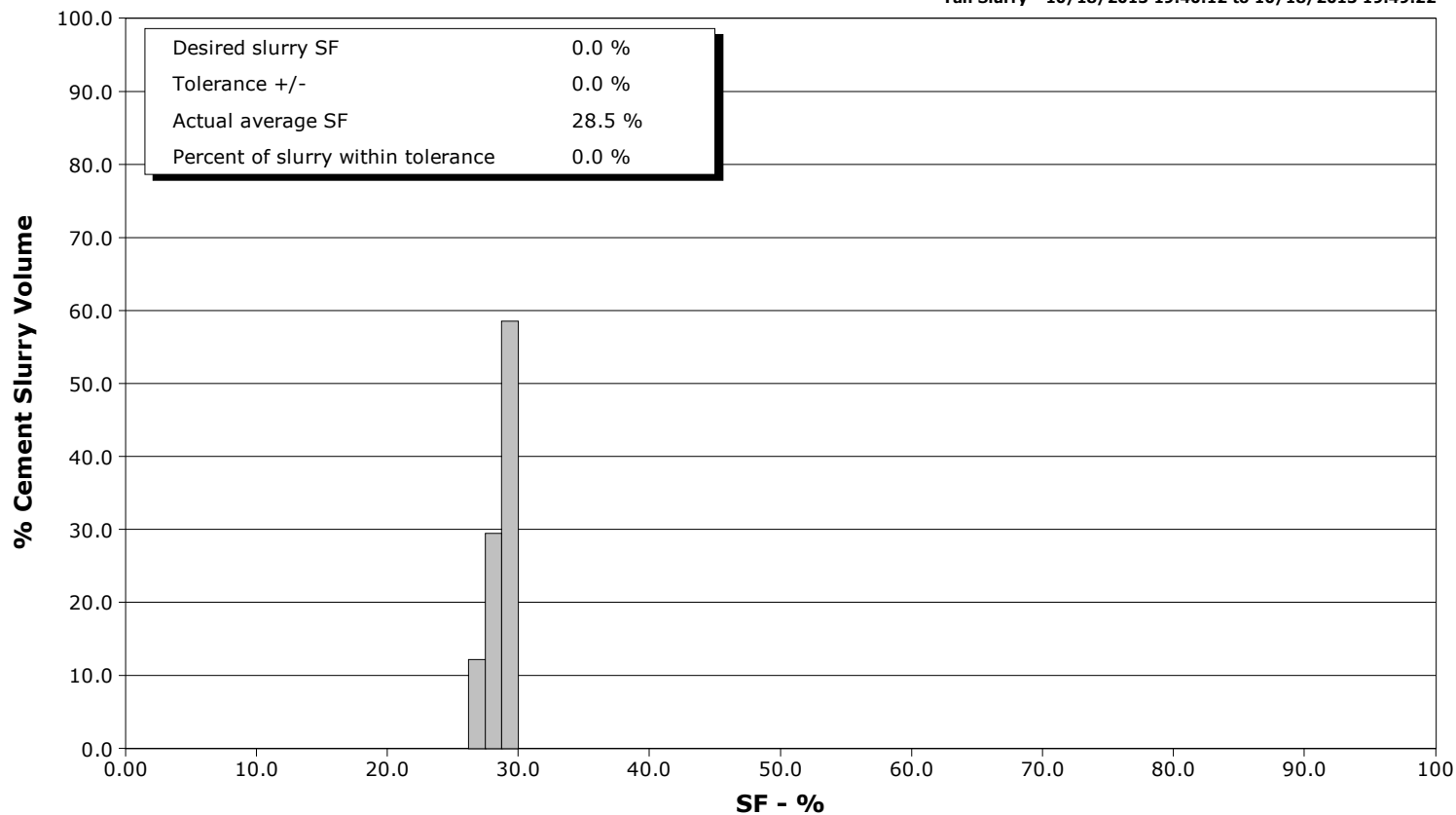
**Well** SGU 8516A-33  
**Field** Story Gulch  
**Engineer** Travis Willardson / Brian David  
**Country** United States

**Client** EnCana  
**SIR No.** CMI!-00377  
**Job Type** 9 5/8 Surface  
**Job Date** 10-18-2013

**Lead Slurry - 10/18/2013 18:30:00 to 10/18/2013 19:36:35**



**Tail Slurry - 10/18/2013 19:40:12 to 10/18/2013 19:49:22**





# Cementing Service Report

				Customer EnCana			Job Number CMI-00377		
Well SGU 8516A-33 8516A-33			Location (legal) E34		Schlumberger Location Grand Junction			Job Start Oct/18/2013	
Field Story Gulch		Formation Name/Type Dirty-Sandstone		Deviation	Bit Size 14.8 in		Well MD 2966.0 ft		Well TVD 2939.0 ft
County Garfield		State/Province Colorado		BHP	BHST 120 degF		BHCT 92 degF		Pore Press. Gradient
Well Master		API/UWI							
Rig Name Patterson 326		Drilled For Gas	Service Via Land	Casing/Liner					
				Depth, ft	Size, in	Weight, lb/ft	Grade		Thread
Offshore Zone		Well Class New	Well Type Development	120.0	20.000	52.0	N/A		N/A
				2966.0	9.630	36.0	J55		8RD
Drilling Fluid Type Bentonite		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
				Depth,	Size,	Weight,	Grade		Thread
Service Line Cementing		Job Type 9 5/8 Surface							
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 226.0 bbl		Packer Type		Packer Depth
				Tubing Vol.	Casing Vol.		Annular Vol. 377.0 bbl		Openhole Vol. 624.0 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 1468 psi				Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2966.0 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 Oct/18/2013		Arrived on Location Oct/18/2013	Leave Location Oct/18/2013	Collar Type Float			Tail Pipe Depth		
				Collar Depth 2926.0 ft			Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/18/2013	16:24:53					Started Acquisition			
10/18/2013	16:24:56	-0	0.0	8.33	0.0				
10/18/2013	16:28:13	-0	0.0	8.34	0.0				
10/18/2013	16:31:33	-0	0.0	8.34	0.1				
10/18/2013	16:34:53	-0	0.0	8.33	0.1				
10/18/2013	16:38:13	-1	0.0	8.33	0.1				
10/18/2013	16:41:33	-1	0.0	8.34	0.2				
10/18/2013	16:44:53	-1	0.0	8.33	0.2				
10/18/2013	16:48:13	6	0.9	8.37	0.8				
10/18/2013	16:48:15					Safety Meeting			
10/18/2013	16:48:15					Flow 2 bbl Water			
10/18/2013	16:48:15	3	0.3	8.37	0.8				
10/18/2013	16:48:18					Pressure Test Lines			
10/18/2013	16:48:18	25	0.4	8.36	0.8				
10/18/2013	16:48:21					Low / High Pressure Test Good			
10/18/2013	16:48:21	18	1.4	8.36	0.8				
10/18/2013	16:51:33	9	0.0	8.33	2.6				
10/18/2013	16:54:53	3231	0.0	8.33	2.7				
10/18/2013	16:58:13	36	0.0	8.33	2.7				
10/18/2013	17:01:33	142	5.0	8.33	14.4				
10/18/2013	17:03:39					80 bbl Mudpush Express			

Well			Field		Job Start		Customer		Job Number	
SGU 8516A-33 8516A-33			Story Gulch		Oct/18/2013		EnCana		CMI-I-00377	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/18/2013	17:04:53	149	5.0	8.33	31.2					
10/18/2013	17:08:13	102	5.0	8.33	47.9					
10/18/2013	17:11:33	108	5.0	8.33	64.6					
10/18/2013	17:14:53	115	5.0	8.34	81.4					
10/18/2013	17:18:13	-1	2.8	11.05	98.0					
10/18/2013	17:21:33	136	5.1	8.65	112.8					
10/18/2013	17:24:53	41	4.9	7.55	128.2					
10/18/2013	17:28:13	154	4.8	10.24	144.3					
10/18/2013	17:28:31					10 bbl Water				
10/18/2013	17:28:31					20 bbl S001				
10/18/2013	17:28:31	161	4.8	9.87	145.7					
10/18/2013	17:28:32					10 bbl Water				
10/18/2013	17:28:32	160	4.8	9.87	145.8					
10/18/2013	17:29:03					30 bbl Zonelock				
10/18/2013	17:29:03	157	4.6	9.85	148.3					
10/18/2013	17:30:58					10 bbl Water				
10/18/2013	17:30:58	162	4.8	9.86	157.4					
10/18/2013	17:31:33	157	4.8	9.86	160.1					
10/18/2013	17:34:53	112	4.6	8.34	175.9					
10/18/2013	17:38:13	78	4.6	8.33	191.7					
10/18/2013	17:41:33	95	5.4	8.33	209.7					
10/18/2013	17:43:45					80 bbl Mudpush Express				
10/18/2013	17:43:45	94	5.4	8.34	221.7					
10/18/2013	17:44:53	94	5.4	8.34	227.9					
10/18/2013	17:48:13	92	5.4	8.33	246.1					
10/18/2013	17:51:33	93	5.4	8.33	264.3					
10/18/2013	17:54:05					10 bbl Water				
10/18/2013	17:54:05	94	5.4	8.33	278.1					
10/18/2013	17:54:16					20 bbl S001				
10/18/2013	17:54:16	96	5.6	8.33	279.1					
10/18/2013	17:54:30					10 bbl Wate4r				
10/18/2013	17:54:30	99	5.4	8.33	280.4					
10/18/2013	17:58:13	2	5.4	8.34	300.7					
10/18/2013	17:59:17					80 bbl Mudpush Express				
10/18/2013	17:59:17	148	5.1	9.23	305.8					
10/18/2013	18:01:33	121	5.2	8.54	317.5					
10/18/2013	18:02:17					20 bbl S001				
10/18/2013	18:02:17	72	4.9	7.26	321.2					
10/18/2013	18:04:53	128	4.2	9.84	333.3					
10/18/2013	18:05:03					10 bbl Water				
10/18/2013	18:05:03	129	4.3	9.84	334.0					
10/18/2013	18:07:33					30 bbl Zonelock				
10/18/2013	18:07:33	134	4.3	9.85	344.6					
10/18/2013	18:08:13	136	4.3	9.99	347.5					
10/18/2013	18:10:02					10 bbl Water				
10/18/2013	18:10:02	132	4.2	9.68	352.5					
10/18/2013	18:11:33	129	5.2	9.22	360.3					
10/18/2013	18:14:53	78	5.2	9.07	377.7					
10/18/2013	18:18:13	62	5.2	8.89	395.1					
10/18/2013	18:21:33	124	3.9	9.02	409.2					
10/18/2013	18:24:53	213	6.6	9.05	429.0					
10/18/2013	18:28:13	231	6.6	9.08	451.0					
10/18/2013	18:30:00					Start Mixing Lead Slurry				
10/18/2013	18:30:00	217	6.6	9.08	462.8					

Well SGU 8516A-33 8516A-33			Field Story Gulch	Job Start Oct/18/2013	Customer EnCana	Job Number CMI-00377
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/18/2013	18:33:42					Good Returns
10/18/2013	18:33:42	263	6.6	9.11	487.3	
10/18/2013	18:34:53	268	6.6	9.09	495.2	
10/18/2013	18:38:13	295	6.6	9.06	517.2	
10/18/2013	18:41:33	297	6.6	9.08	539.2	
10/18/2013	18:44:53	302	6.6	9.05	561.2	
10/18/2013	18:48:13	302	6.6	9.07	583.3	
10/18/2013	18:51:33	294	6.6	9.13	605.3	
10/18/2013	18:54:53	290	6.6	9.06	627.4	
10/18/2013	18:58:13	302	6.6	9.05	649.4	
10/18/2013	19:01:33	175	4.6	9.00	669.7	
10/18/2013	19:04:53	333	6.6	9.05	687.7	
10/18/2013	19:08:13	336	6.6	9.13	709.6	
10/18/2013	19:11:33	329	6.5	9.11	731.4	
10/18/2013	19:14:53	328	6.5	9.15	753.2	
10/18/2013	19:18:13	295	6.5	9.13	774.9	
10/18/2013	19:21:33	318	6.5	9.24	796.6	
10/18/2013	19:24:53	331	6.5	9.24	818.3	
10/18/2013	19:28:13	348	6.5	9.22	840.0	
10/18/2013	19:31:33	360	6.5	9.22	861.8	
10/18/2013	19:32:18					Wet Sample 9.0 ppg
10/18/2013	19:32:18	350	6.5	9.20	866.7	
10/18/2013	19:32:19					Diverted At 300 bbl Lead
10/18/2013	19:32:19	340	6.5	9.20	866.8	
10/18/2013	19:33:32					Dry Sample
10/18/2013	19:33:32	346	6.6	9.19	874.7	
10/18/2013	19:34:53	356	6.6	9.19	883.6	
10/18/2013	19:36:35					End Lead Slurry
10/18/2013	19:36:35	318	6.6	9.19	894.8	
10/18/2013	19:37:37					Good Returns
10/18/2013	19:37:37	284	6.9	10.50	901.8	
10/18/2013	19:38:13	332	6.7	11.66	906.0	
10/18/2013	19:40:12					Start Mixing Tail Slurry
10/18/2013	19:40:12	325	6.7	12.38	919.2	
10/18/2013	19:41:33	306	6.7	12.45	928.2	
10/18/2013	19:44:07					Wet Sample 12.5 ppg
10/18/2013	19:44:07	294	6.7	12.54	945.3	
10/18/2013	19:44:53	303	6.7	12.57	950.5	
10/18/2013	19:48:13	303	6.7	12.49	972.8	
10/18/2013	19:49:20					Wash Up On Plug
10/18/2013	19:49:20	311	6.7	12.54	980.3	
10/18/2013	19:49:22					End Tail Slurry
10/18/2013	19:49:22	312	6.7	12.55	980.5	
10/18/2013	19:49:23					Drop Top Plug
10/18/2013	19:49:23	325	6.7	12.56	980.6	
10/18/2013	19:49:25					Start Displacement
10/18/2013	19:49:25	296	6.7	12.57	980.8	
10/18/2013	19:51:33	328	6.7	12.65	995.1	
10/18/2013	19:54:53	29	0.1	12.09	1007.0	
10/18/2013	19:58:13	80	4.2	8.86	1018.2	
10/18/2013	20:01:33	72	4.0	8.35	1031.8	
10/18/2013	20:04:53	183	6.4	8.35	1051.8	
10/18/2013	20:08:13	187	6.3	8.35	1073.0	
10/18/2013	20:11:33	177	6.4	8.35	1094.2	

Well			Field		Job Start		Customer		Job Number	
SGU 8516A-33 8516A-33			Story Gulch		Oct/18/2013		EnCana		CMI-00377	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/18/2013	20:18:13	184	6.4	8.35	1136.6					
10/18/2013	20:21:33	217	6.4	8.35	1157.8					
10/18/2013	20:24:53	272	6.3	8.35	1179.0					
10/18/2013	20:28:13	360	6.3	8.36	1200.1					
10/18/2013	20:31:33	427	6.3	8.36	1221.1					
10/18/2013	20:34:53	328	2.3	8.36	1233.9					
10/18/2013	20:38:13	996	0.0	8.36	1240.8					
10/18/2013	20:38:19					Bump Top Plug 1400 psi				
10/18/2013	20:38:19	990	0.0	8.37	1240.8					
10/18/2013	20:38:20					End Displacement				
10/18/2013	20:38:20	992	0.0	8.36	1240.8					
10/18/2013	20:41:33	992	0.0	8.37	1240.8					
10/18/2013	20:44:53	255	0.0	8.36	1240.8					
10/18/2013	20:48:13	1088	0.0	8.36	1242.6					
10/18/2013	20:51:33	1086	0.0	8.36	1242.6					
10/18/2013	20:54:53	773	0.0	8.36	1242.6					
10/18/2013	20:58:13	1365	0.0	8.36	1244.0					
10/18/2013	21:01:33	1365	0.0	8.36	1244.0					
10/18/2013	21:04:53	1363	0.0	8.36	1244.0					
10/18/2013	21:08:13	1361	0.0	8.36	1244.0					
10/18/2013	21:11:33	1360	0.0	8.36	1244.0					
10/18/2013	21:14:53	1360	0.0	8.36	1244.0					
10/18/2013	21:18:13	1358	0.0	8.36	1244.0					
10/18/2013	21:21:33	1357	0.0	8.36	1244.0					
10/18/2013	21:24:53	1356	0.0	8.36	1244.0					
10/18/2013	21:28:13	1356	0.0	8.36	1244.0					
10/18/2013	21:31:33	1354	0.0	8.36	1244.0					
10/18/2013	21:34:53	1355	0.0	8.36	1244.0					
10/18/2013	21:35:02					Plug Did Not Hold				
10/18/2013	21:35:02	1355	0.0	8.36	1244.0					
10/18/2013	21:35:38					Hold Plug / Pressure 4:12				

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume
		561.0 bbl			64 degF	Washed Thru Perfs		To
Customer or Authorized Representative				Schlumberger Supervisor		Circulation Lost		Job Completed
Norman McCreary				Travis Willardson / Brian David		-		-