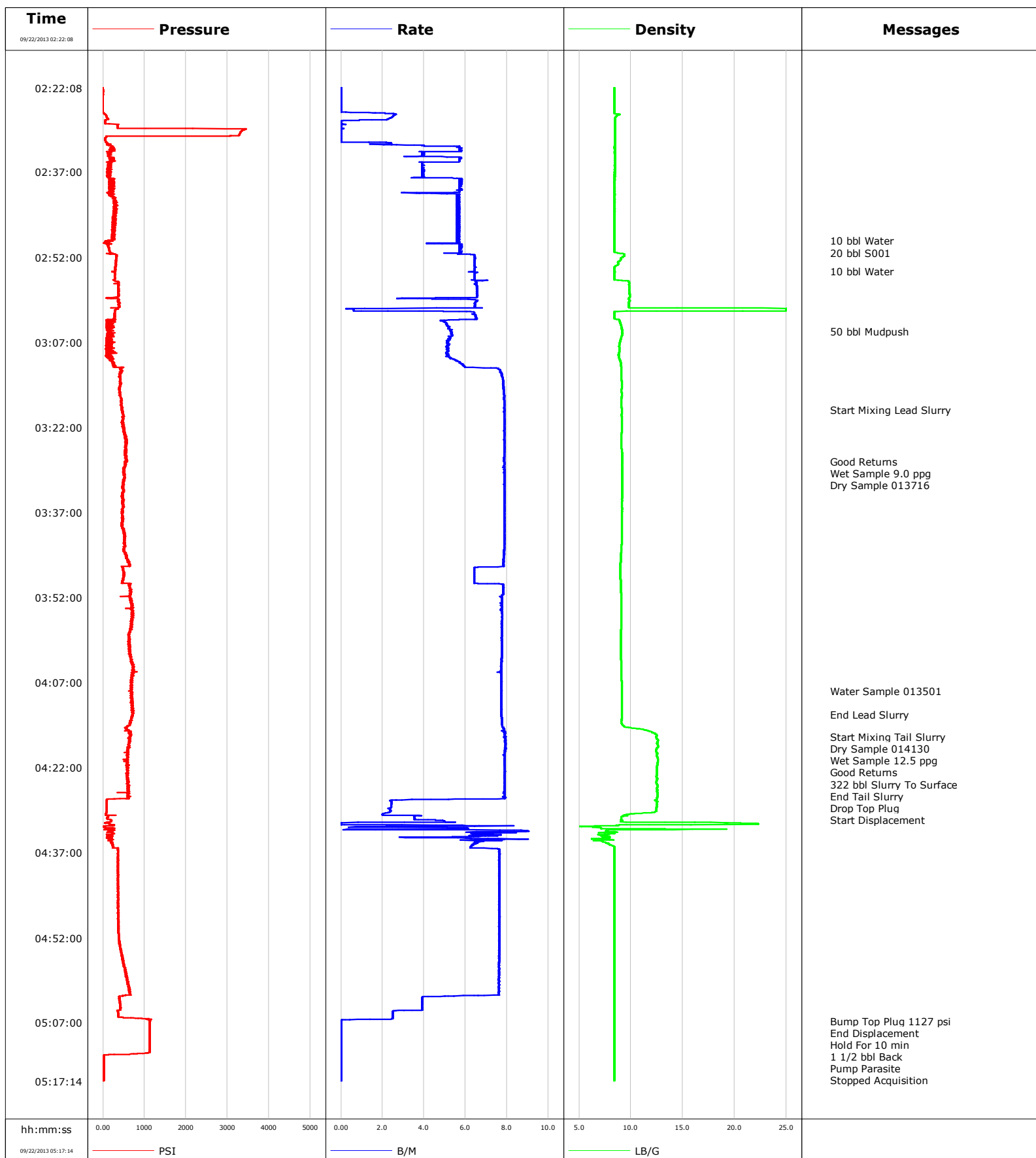


**Well** SGU 8506C-34  
**Field** Story Gulch  
**Engineer** Travis Willardson / TJ Morrow  
**Country** United States

**Client** EnCana  
**SIR No.** CMI1-00251  
**Job Type** 9 5/8 Surface  
**Job Date** 09-22-2013

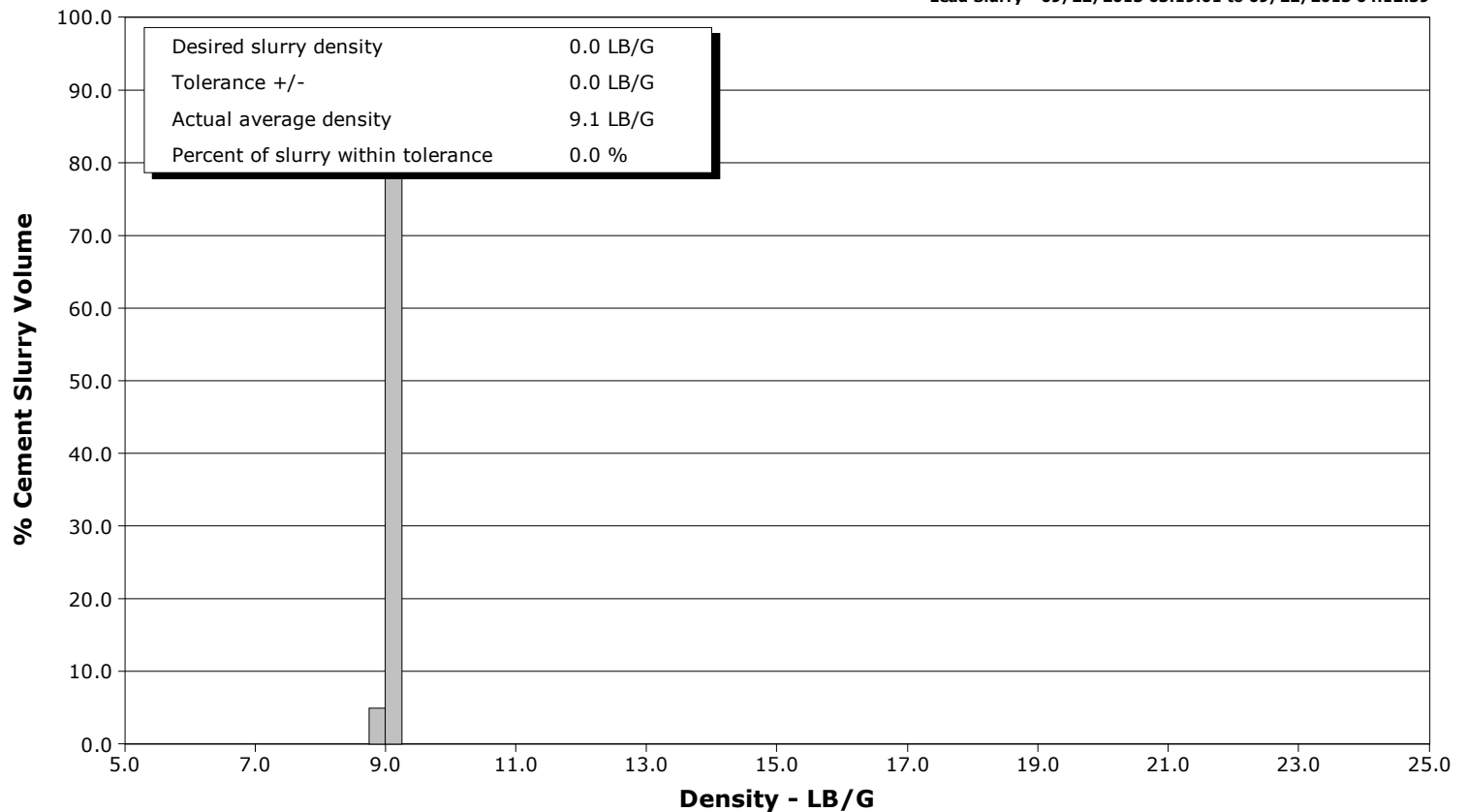


# Schlumberger Cementing Qa/Qc Density Report

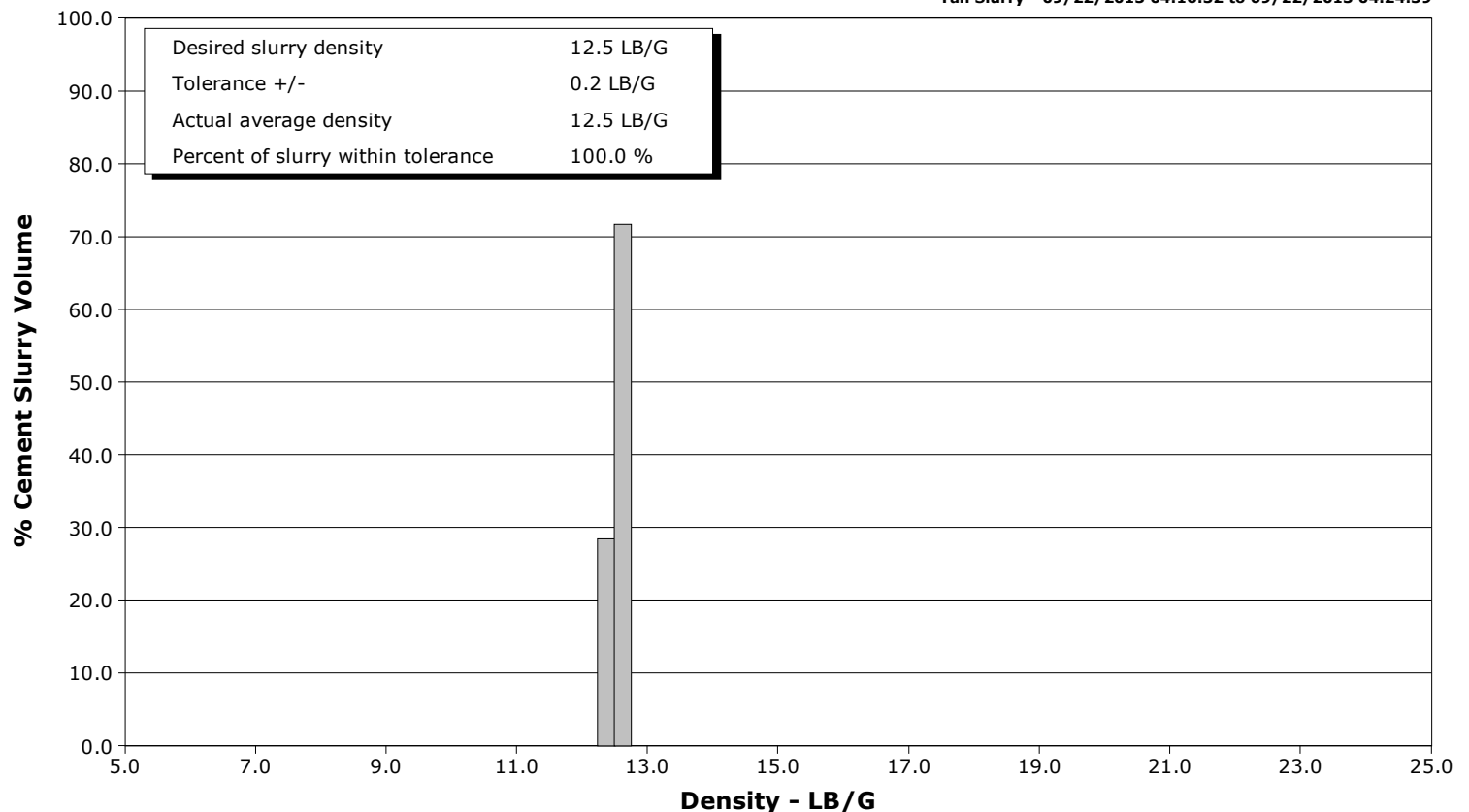
**Well** SGU 8506C-34  
**Field** Story Gulch  
**Engineer** Travis Willardson / TJ Morrow  
**Country** United States

**Client** EnCana  
**SIR No.** CMI1-00251  
**Job Type** 9 5/8 Surface  
**Job Date** 09-22-2013

**Lead Slurry - 09/22/2013 03:19:01 to 09/22/2013 04:12:39**



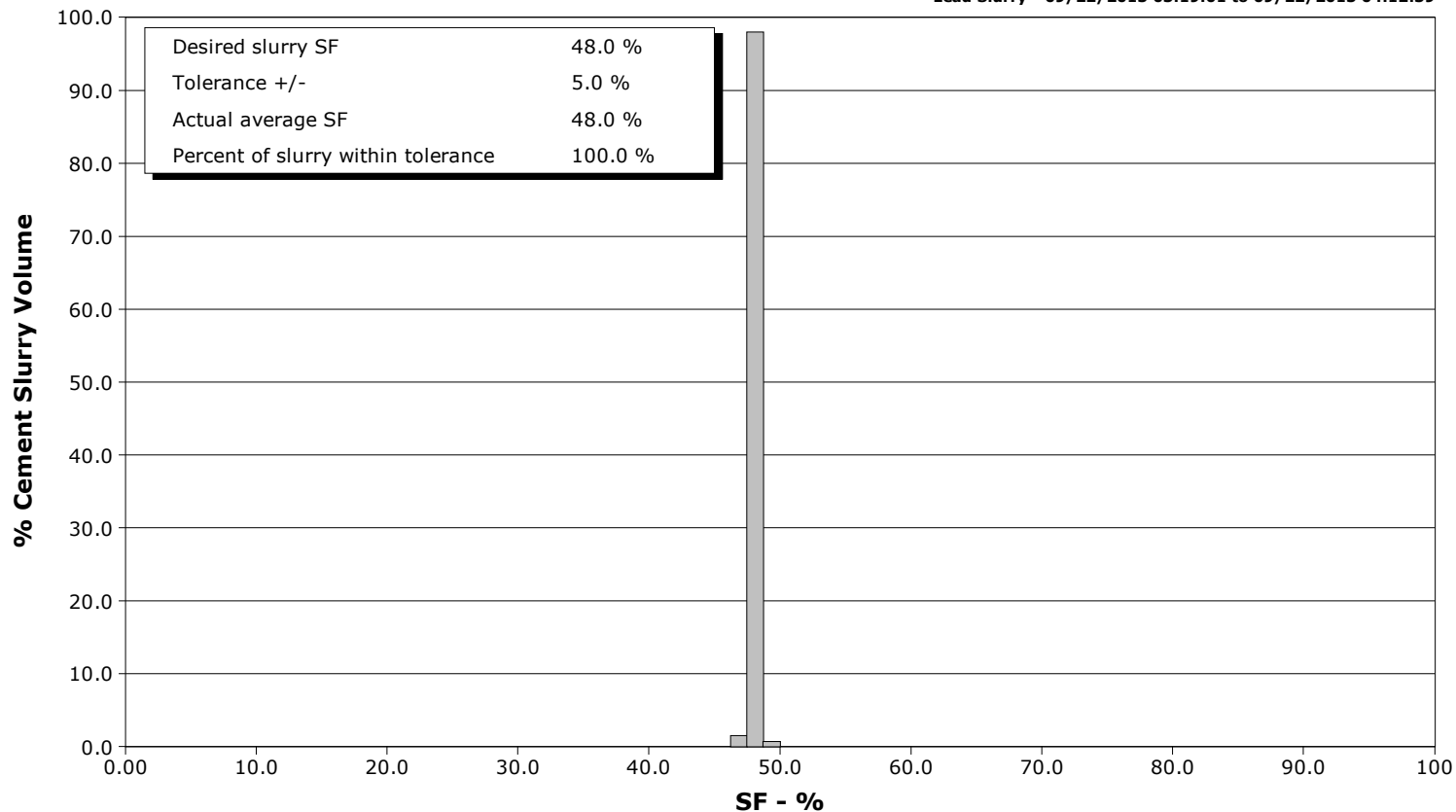
**Tail Slurry - 09/22/2013 04:16:32 to 09/22/2013 04:24:39**



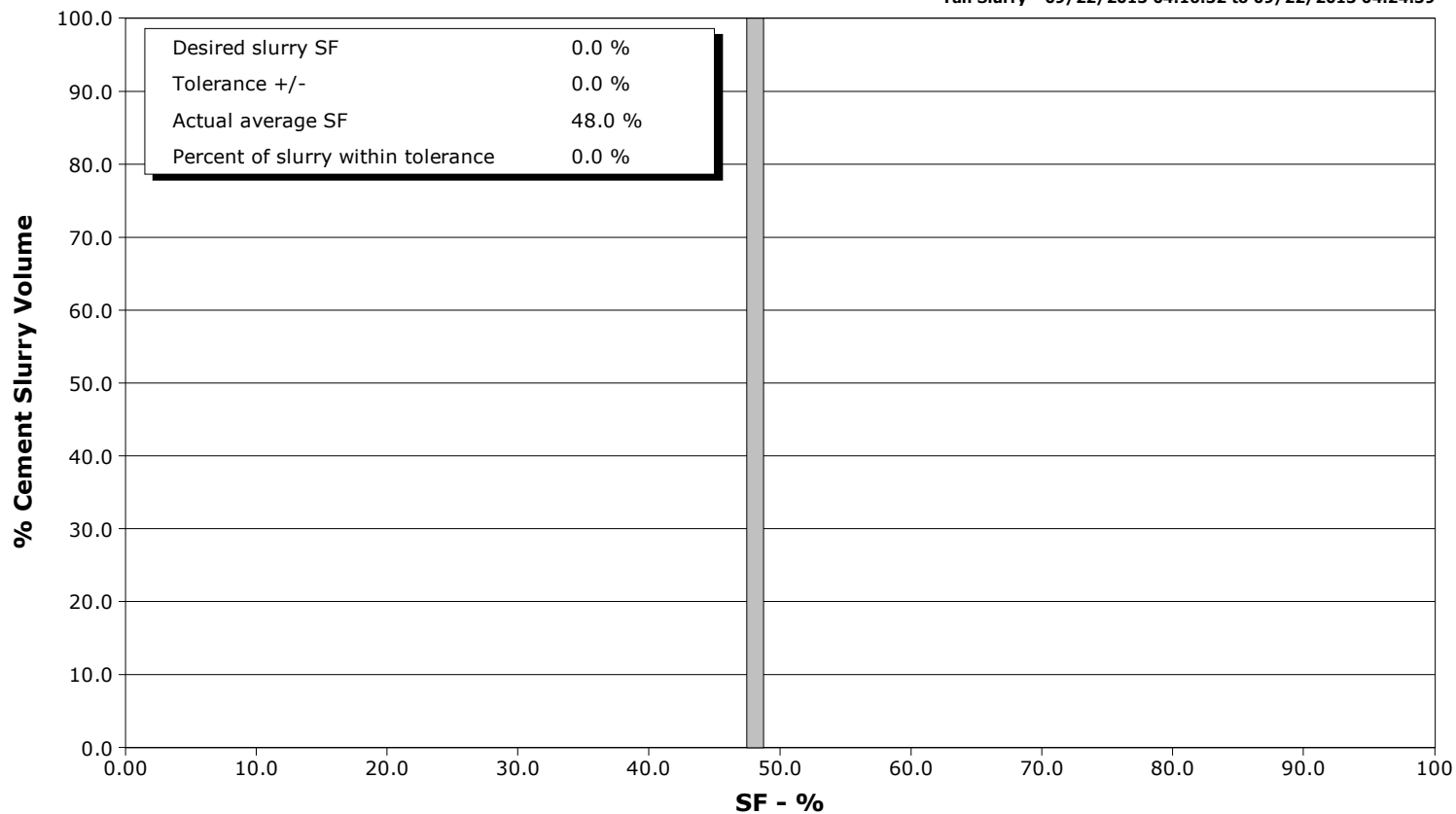
**Well** SGU 8506C-34  
**Field** Story Gulch  
**Engineer** Travis Willardson / TJ Morrow  
**Country** United States

**Client** EnCana  
**SIR No.** CMI1-00251  
**Job Type** 9 5/8 Surface  
**Job Date** 09-22-2013

**Lead Slurry - 09/22/2013 03:19:01 to 09/22/2013 04:12:39**



**Tail Slurry - 09/22/2013 04:16:32 to 09/22/2013 04:24:39**





# Cementing Service Report

				Customer EnCana		Job Number CMI1-00251		
Well SGU 8506C-34 8506C-34			Location (legal) E34		Schlumberger Location Grand Junction		Job Start Sep/22/2013	
Field Story Gulch		Formation Name/Type Dirty-Sandstone		Deviation	Bit Size 14.8 in	Well MD 2976.0 ft	Well TVD 2976.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 120 degF	BHCT 91 degF	Pore Press. Gradient	
Well Master 0631491984		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	52.8	N/A	N/A
				2976.0	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 227.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol.	Annular Vol. 378.0 bbl	Openhole Vol. 626.0 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 1472 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2976.0 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 Sep/22/2013		Arrived on Location Sep/22/2013	Leave Location Sep/22/2013	Collar Type Float		Tail Pipe Depth		
				Collar Depth 2931.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/22/2013	01:17:34					Started Acquisition		
09/22/2013	02:21:59					Safety Meeting		
09/22/2013	02:22:00					Flow 2 bbl Water		
09/22/2013	02:22:02					Pressure Test Lines		
09/22/2013	02:22:04					Low / High Pressure Test Good		
09/22/2013	02:22:04					80 bbl Mudpush		
09/22/2013	02:22:08	-0	0.0	8.41	0.0			
09/22/2013	02:22:34	-0	0.0	8.41	0.0			
09/22/2013	02:27:34	109	2.4	8.46	2.5			
09/22/2013	02:32:34	213	5.7	8.43	5.8			
09/22/2013	02:37:34	183	4.0	8.43	28.4			
09/22/2013	02:42:34	331	5.6	8.43	55.6			
09/22/2013	02:47:34	280	5.6	8.43	83.9			
09/22/2013	02:49:02					10 bbl Water		
09/22/2013	02:49:02	233	5.6	8.43	92.2			
09/22/2013	02:51:21					20 bbl S001		
09/22/2013	02:51:21	216	5.7	8.86	105.3			
09/22/2013	02:52:34	324	6.5	8.97	113.0			
09/22/2013	02:54:27					10 bbl Water		
09/22/2013	02:54:27	291	6.4	8.41	125.1			
09/22/2013	02:57:34	367	6.5	9.84	145.3			

Well			Field		Job Start	Customer	Job Number
SGU 8506C-34 8506C-34			Story Gulch		Sep/22/2013	EnCana	CMI1-00251
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/22/2013	03:05:07					50 bbl Mudpush	
09/22/2013	03:05:07	193	5.3	9.18	187.8		
09/22/2013	03:07:34	120	5.1	8.87	200.7		
09/22/2013	03:12:34	413	7.7	9.07	230.0		
09/22/2013	03:17:34	442	7.9	9.09	269.1		
09/22/2013	03:19:01					Start Mixing Lead Slurry	
09/22/2013	03:19:01	472	7.9	9.10	280.5		
09/22/2013	03:22:34	514	7.9	9.11	308.5		
09/22/2013	03:27:34	561	7.9	9.15	347.9		
09/22/2013	03:28:01					Good Returns	
09/22/2013	03:28:01	560	7.9	9.15	351.4		
09/22/2013	03:28:02					Wet Sample 9.0 ppg	
09/22/2013	03:28:02	515	7.9	9.15	351.5		
09/22/2013	03:28:03					Dry Sample 013716	
09/22/2013	03:28:03	515	7.9	9.15	351.7		
09/22/2013	03:32:34	493	7.9	9.15	387.2		
09/22/2013	03:37:34	461	7.9	9.13	426.6		
09/22/2013	03:42:34	538	7.9	9.10	466.0		
09/22/2013	03:47:34	512	6.4	8.97	503.9		
09/22/2013	03:52:34	654	7.8	9.06	540.1		
09/22/2013	03:57:34	646	7.8	9.05	578.9		
09/22/2013	04:02:34	676	7.8	9.04	617.7		
09/22/2013	04:07:34	664	7.7	9.12	656.3		
09/22/2013	04:08:33					Water Sample 013501	
09/22/2013	04:08:33	621	7.7	9.13	663.9		
09/22/2013	04:12:34	716	7.7	9.12	695.0		
09/22/2013	04:12:39					End Lead Slurry	
09/22/2013	04:12:39	703	7.7	9.12	695.6		
09/22/2013	04:16:32					Start Mixing Tail Slurry	
09/22/2013	04:16:32	648	7.9	12.47	725.9		
09/22/2013	04:16:39					Dry Sample 014130	
09/22/2013	04:16:39	665	7.9	12.44	726.8		
09/22/2013	04:17:07					Wet Sample 12.5 ppg	
09/22/2013	04:17:07	650	7.9	12.58	730.5		
09/22/2013	04:17:34	631	7.9	12.56	734.1		
09/22/2013	04:17:43					Good Returns	
09/22/2013	04:17:43	622	7.9	12.52	735.3		
09/22/2013	04:17:55					322 bbl Slurry To Surface	
09/22/2013	04:17:55	611	7.9	12.56	736.8		
09/22/2013	04:22:34	593	7.9	12.51	773.6		
09/22/2013	04:24:39					End Tail Slurry	
09/22/2013	04:24:39	606	7.9	12.46	790.0		
09/22/2013	04:24:43					Drop Top Plug	
09/22/2013	04:24:43	593	7.9	12.46	790.5		
09/22/2013	04:24:44					Start Displacement	
09/22/2013	04:24:44	593	7.9	12.46	790.6		
09/22/2013	04:27:34	283	6.0	12.48	812.9		
09/22/2013	04:32:34	68	5.1	6.93	826.8		
09/22/2013	04:42:34	364	7.6	8.41	898.7		
09/22/2013	04:47:34	368	7.6	8.41	936.8		
09/22/2013	04:52:34	395	7.6	8.42	974.9		
09/22/2013	04:57:34	539	7.6	8.42	1013.0		
09/22/2013	05:02:34	406	3.9	8.42	1049.9		
09/22/2013	05:06:38					Bump Top Plug 1127 psi	

Well			Field		Job Start	Customer	Job Number
SGU 8506C-34 8506C-34			Story Gulch		Sep/22/2013	EnCana	CMI1-00251
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/22/2013	05:06:39					End Displacement	
09/22/2013	05:06:39	1137	0.0	8.42	1062.6		
09/22/2013	05:07:34	1125	0.0	8.42	1062.6		
09/22/2013	05:07:35					Hold For 10 min	
09/22/2013	05:07:35	1125	0.0	8.42	1062.6		
09/22/2013	05:07:48					1 1/2 bbl Back	
09/22/2013	05:07:48	1125	0.0	8.41	1062.6		
09/22/2013	05:12:34	264	0.0	8.42	1062.6		
09/22/2013	06:00:00					Pump Parasite	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 6.8	N2	Mud 0.0	Maximum Rate 9.0		Total Slurry 570.0	Mud 0.0	Spacer 210.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 3444	Final 15	Average 461	Bump Plug to 1120	Breakdown	Type		Volume 9975.0 bbl	Density				
Avg. N2 Percent		Designed Slurry Volume 561.0 bbl		Displacement 228.0 bbl		Mix Water Temp 72 degF		Cement Circulated to Surface?		<input checked="" type="checkbox"/>	Volume 322.0 bbl	
								Washed Thru Perfs		<input type="checkbox"/>	To	
Customer or Authorized Representative Robert Escodega				Schlumberger Supervisor Travis Willardson / TJ Morrow				Circulation Lost		<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-		