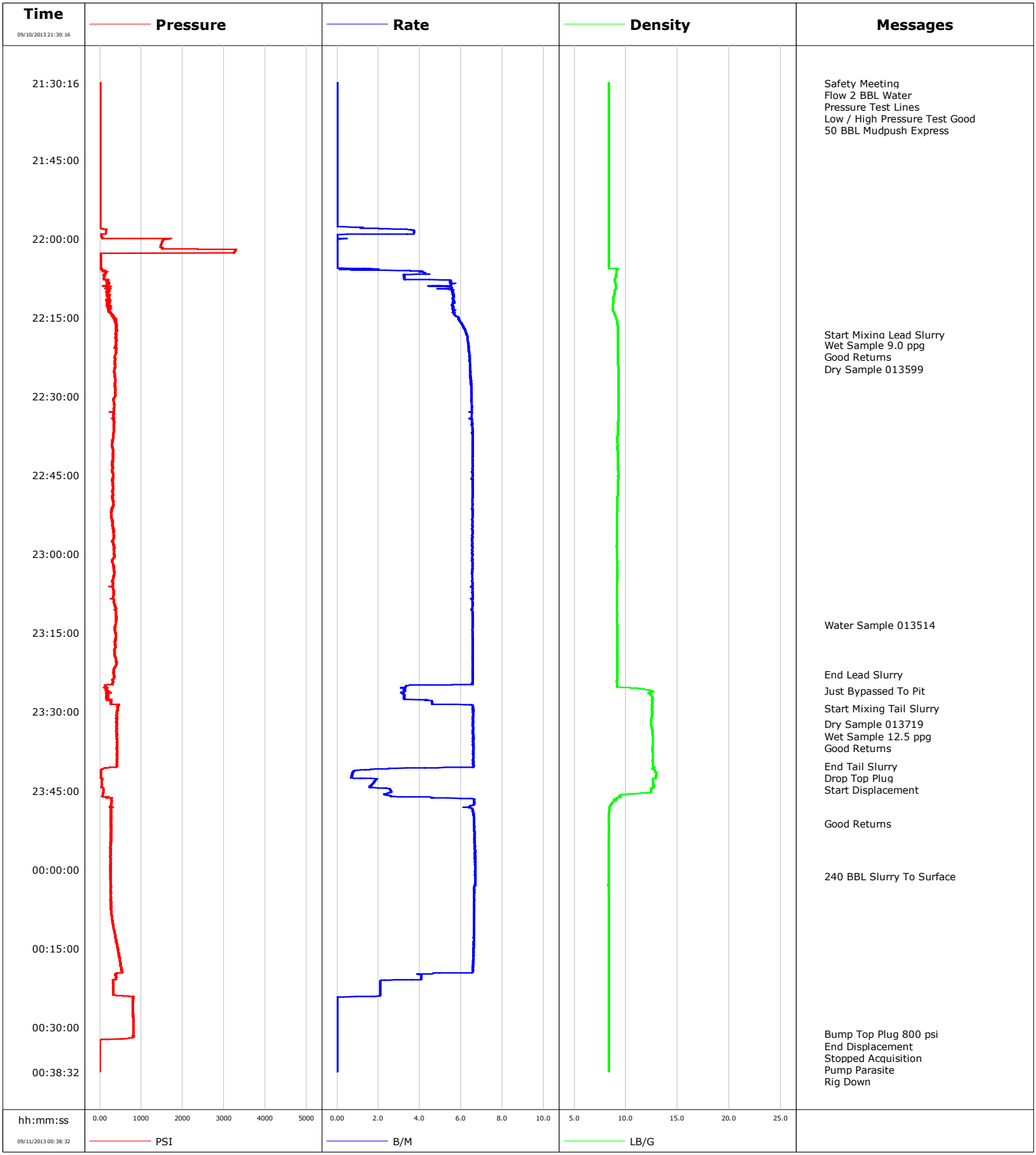
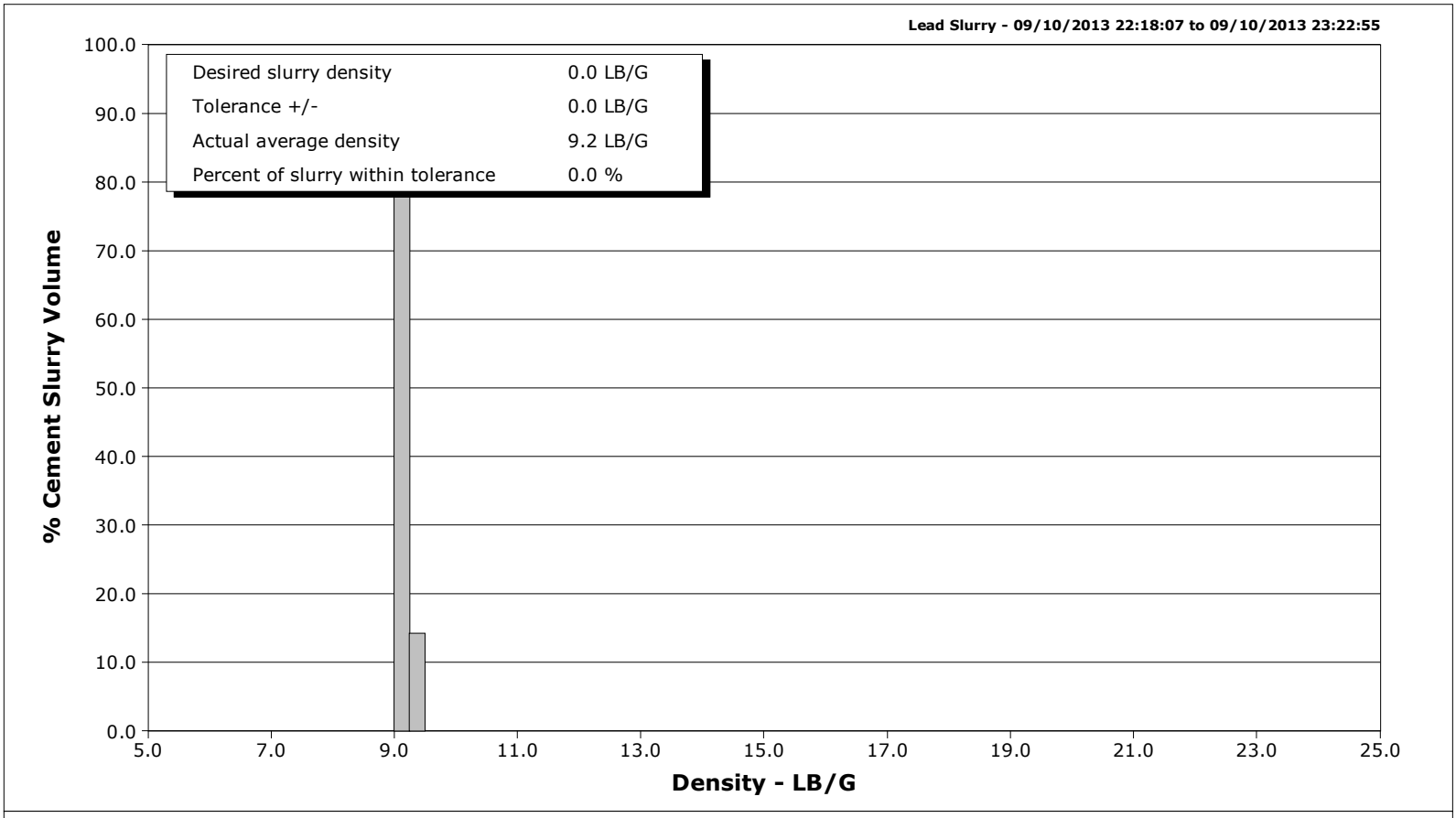
Schlumberger Cementing Job Report

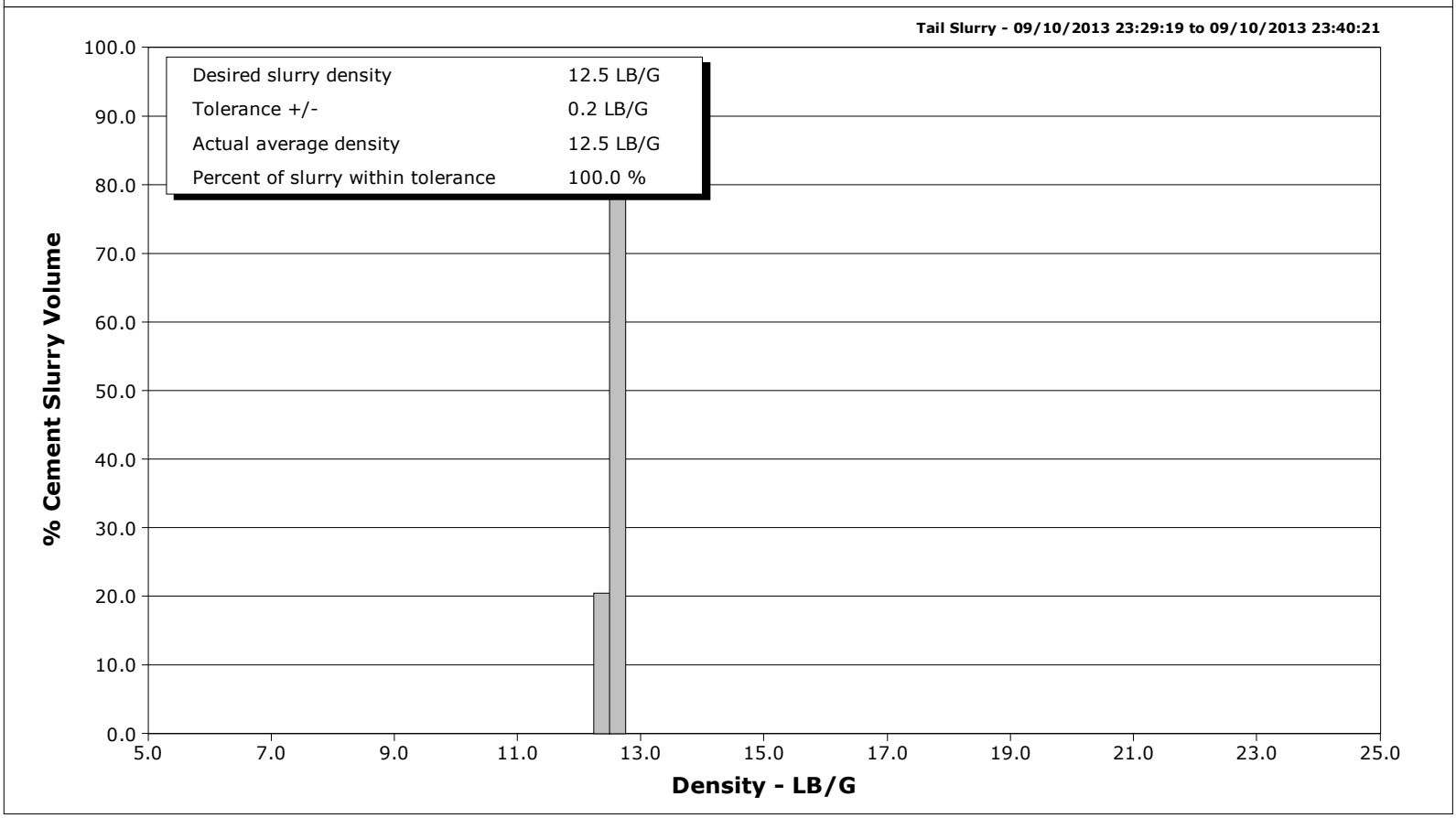
Well	SGU 8509A-33	**Client**	EnCana
Field	Story Gulch	**SIR No.**	CMI1-00257
Engineer	Travis Willardson / Cole Fairbrook	**Job Type**	9 5/8 Surface
Country	United States	**Job Date**	09-10-2013



Schlumberger Cementing Qa/Qc Density Report

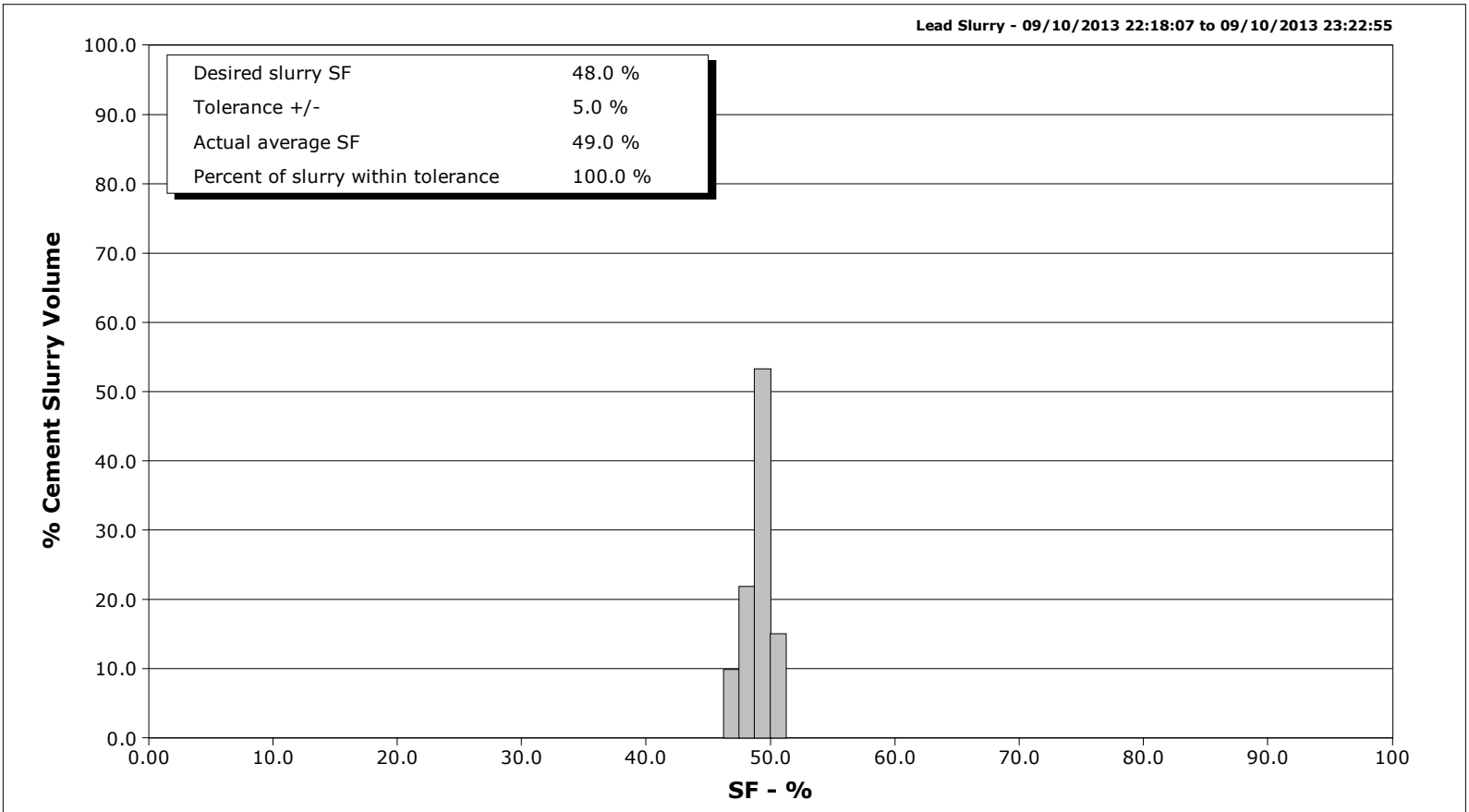
Well	SGU 8509A-33	**Client**	EnCana
Field	Story Gulch	**SIR No.**	CMI1-00257
Engineer	Travis Willardson / Cole Fairbrook	**Job Type**	9 5/8 Surface
Country	United States	**Job Date**	09-10-2013

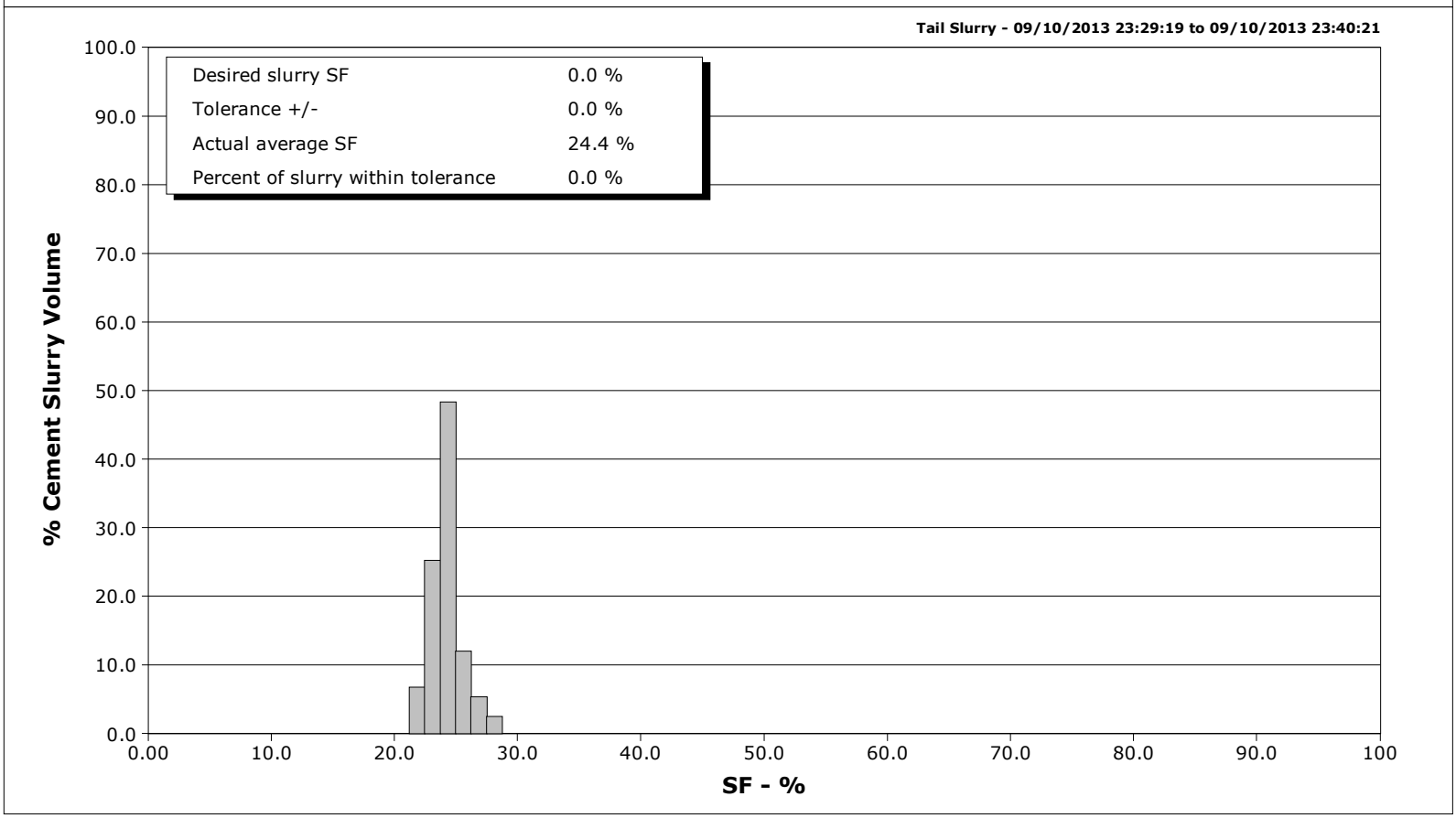




Schlumberger Cementing Qa/Qc SFM Report

Well	SGU 8509A-33	**Client**	EnCana
Field	Story Gulch	**SIR No.**	CMI1-00257
Engineer	Travis Willardson / Cole Fairbrook	**Job Type**	9 5/8 Surface
Country	United States	**Job Date**	09-10-2013





Cementing Service Report

Customer	Job Number
EnCana	CMI1-00257

Well	Location (legal)	Schlumberger Location	Job Start
SGU 8509A-33 8509A-33 E34 496	E34	Grand Junction	Sep/10/2013

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Story Gulch	Dirty-Sandstone		14.8 in	2977.0 ft	2963.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Garfield	Colorado		120 degF	89 degF	

Well Master	API/UWI
0631491992	

Rig Name	Drilled For	Service Via
Patterson 326	Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
Bentonite		

Service Line	Job Type
Cementing	9 5/8 Surface

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
		Single Cement head

Service Instructions

893 sks 9.0# LiteCRETE
291 sks 12.5# G Tail 2.11 ft3/sk

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
120.0	20.000	52.8	N/A	N/A
2977.0	9.630	36.0	J55	8RD

Tubing/Drill Pipe

Depth,	Size,	Weight,	Grade	Thread

Perforations/Open Hole

Top,	Bottom,		No. of Shots	Total Interval
				Diameter

Treat Down	Displacement	Packer Type	Packer Depth
Casing	226.0 bbl		

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
		379.0 bbl	626.0 bbl

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement	Casing Tools	Squeeze Job
X	X		

Lift Pressure	1473 psi	Shoe Type	Float	Squeeze Type	
Pipe Rotated	☐	Pipe Reciprocated	☐	Shoe Depth	2977.0 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	Arrived on Location	Leave Location		Collar Type	Float	Tail Pipe Depth	
Sep/10/2013	Sep/10/2013	Sep/10/2013		Collar Depth	2932.0 ft	Sqz. Total Vol.	

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/10/2013	21:15:27					Started Acquisition
09/10/2013	21:30:16	3	0.0	8.34	0.0	
09/10/2013	21:30:19					Safety Meeting
09/10/2013	21:30:19					Flow 2 BBL Water
09/10/2013	21:30:19	3	0.0	8.34	0.0	
09/10/2013	21:30:21					Pressure Test Lines
09/10/2013	21:30:21	3	0.0	8.34	0.0	
09/10/2013	21:30:23					Low / High Pressure Test Good
09/10/2013	21:30:23					50 BBL Mudpush Express
09/10/2013	21:30:23	2	0.0	8.34	0.0	
09/10/2013	21:30:27	2	0.0	8.34	0.0	
09/10/2013	21:35:27	2	0.0	8.34	0.0	
09/10/2013	21:40:27	3	0.0	8.34	0.0	
09/10/2013	21:45:27	2	0.0	8.34	0.0	
09/10/2013	21:50:27	3	0.0	8.34	0.0	
09/10/2013	21:55:27	-0	0.0	8.34	0.0	
09/10/2013	22:00:27	1511	0.0	8.34	4.2	
09/10/2013	22:05:27	15	0.0	8.34	4.2	
09/10/2013	22:10:27	174	5.6	8.89	25.6	
09/10/2013	22:15:27	397	5.9	9.10	53.9	
09/10/2013	22:18:07					Start Mixing Lead Slurry

Well	Field	Job Start	Customer	Job Number
SGU 8509A-33 8509A-33 E34 496	Story Gulch	Sep/10/2013	EnCana	CMI1-00257

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/10/2013	22:20:13					Wet Sample 9.0 ppg
09/10/2013	22:20:13					Good Returns
09/10/2013	22:20:13	381	6.3	9.23	83.5	
09/10/2013	22:20:27	397	6.4	9.22	84.9	
09/10/2013	22:20:55					Dry Sample 013599
09/10/2013	22:20:55	400	6.4	9.22	87.9	
09/10/2013	22:25:27	351	6.4	9.26	117.0	
09/10/2013	22:30:27	329	6.5	9.28	149.4	
09/10/2013	22:35:27	337	6.5	9.22	181.9	
09/10/2013	22:40:27	317	6.5	9.19	214.7	
09/10/2013	22:45:27	308	6.6	9.24	247.4	
09/10/2013	22:50:27	323	6.5	9.15	280.2	
09/10/2013	22:55:27	326	6.5	9.10	312.9	
09/10/2013	23:00:27	353	6.5	9.12	345.6	
09/10/2013	23:05:27	304	6.5	9.13	378.3	
09/10/2013	23:10:27	383	6.5	9.13	411.0	
09/10/2013	23:13:29					Water Sample 013514
09/10/2013	23:13:29	375	6.5	9.15	430.8	
09/10/2013	23:15:27	390	6.5	9.15	443.7	
09/10/2013	23:20:27	402	6.5	9.15	476.4	
09/10/2013	23:22:55					End Lead Slurry
09/10/2013	23:22:55	331	6.5	9.16	492.6	
09/10/2013	23:25:27	88	3.1	10.48	507.5	
09/10/2013	23:25:57					Just Bypassed To Pit
09/10/2013	23:25:57	152	3.3	12.33	509.1	
09/10/2013	23:29:19					Start Mixing Tail Slurry
09/10/2013	23:29:19	426	6.6	12.52	523.5	
09/10/2013	23:30:27	406	6.6	12.54	530.9	
09/10/2013	23:32:20					Dry Sample 013719
09/10/2013	23:32:20	409	6.6	12.44	543.3	
09/10/2013	23:32:21					Wet Sample 12.5 ppg
09/10/2013	23:32:21	402	6.6	12.43	543.4	
09/10/2013	23:33:05					Good Returns
09/10/2013	23:33:05	401	6.6	12.50	548.2	
09/10/2013	23:35:27	417	6.6	12.59	563.8	
09/10/2013	23:40:21					End Tail Slurry
09/10/2013	23:40:21	407	6.6	12.61	596.1	
09/10/2013	23:40:22					Drop Top Plug
09/10/2013	23:40:22	409	6.6	12.61	596.2	
09/10/2013	23:40:23					Start Displacement
09/10/2013	23:40:23	410	6.6	12.61	596.3	
09/10/2013	23:40:27	417	6.6	12.64	596.7	
09/10/2013	23:45:27	72	2.5	12.09	605.9	
09/10/2013	23:50:27	255	6.6	8.33	635.1	
09/10/2013	23:51:19					Good Returns
09/10/2013	23:51:19	265	6.6	8.37	640.8	
09/10/2013	23:55:27	257	6.6	8.33	668.3	
09/11/2013	00:00:27	255	6.7	8.32	701.7	
09/11/2013	00:01:17					240 BBL Slurry To Surface
09/11/2013	00:01:17	259	6.7	8.33	707.2	
09/11/2013	00:05:27	262	6.6	8.34	735.0	
09/11/2013	00:10:27	311	6.6	8.34	768.1	
09/11/2013	00:15:27	439	6.6	8.34	801.1	
09/11/2013	00:20:27	383	4.1	8.34	832.3	

Well	Field	Job Start	Customer	Job Number
SGU 8509A-33 8509A-33 E34 496	Story Gulch	Sep/10/2013	EnCana	CMI1-00257

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/11/2013	00:30:27	800	0.0	8.34	841.4	
09/11/2013	00:31:20					Bump Top Plug 800 psi
09/11/2013	00:31:20	801	0.0	8.34	841.4	
09/11/2013	00:31:22					End Displacement
09/11/2013	00:31:22	802	0.0	8.34	841.4	
09/11/2013	00:35:27	-1	0.0	8.34	841.4	
09/11/2013	00:38:44					Stopped Acquisition
09/11/2013	01:01:18					Pump Parasite

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
6.0		0.0	6.7	565.0	0.0	0.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3297	-5	307	800				

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
	559.0 bbl	227.0 bbl	80 degF	[x]	240.0 bbl
				Washed Thru Perfs [ ]	To

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Mike Quintana	Travis Willardson / Cole Fairbrook	-	[x] -