

**Well** SGU 8056A-34 E34 496

**Field** Story Gulch

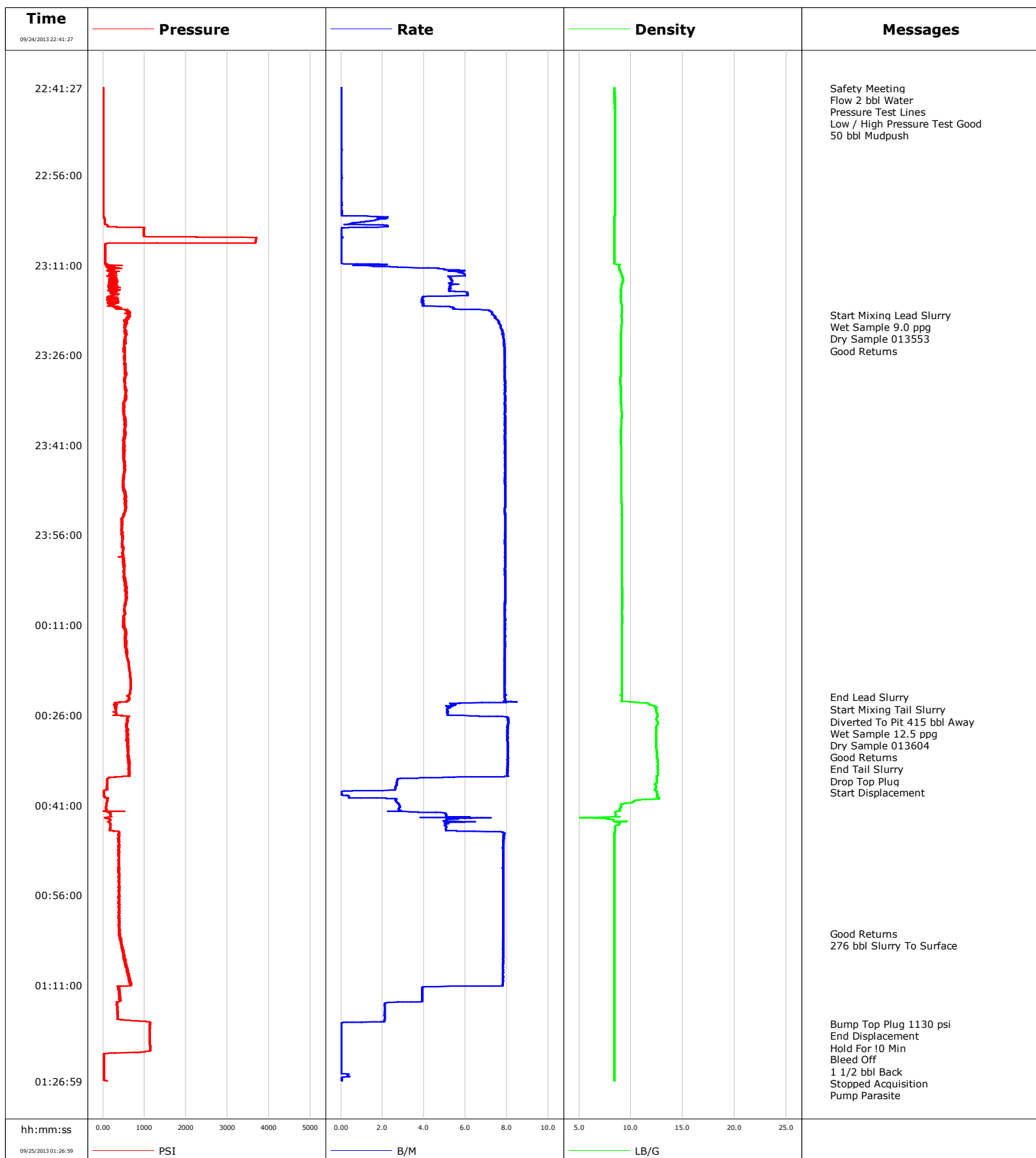
**Engineer** Travis Willardson / TJ Morrow

**Country** United States

**Client** EnCana

**SIR No.** CMI1-00249

**Job Type** 9 5/8 Surface

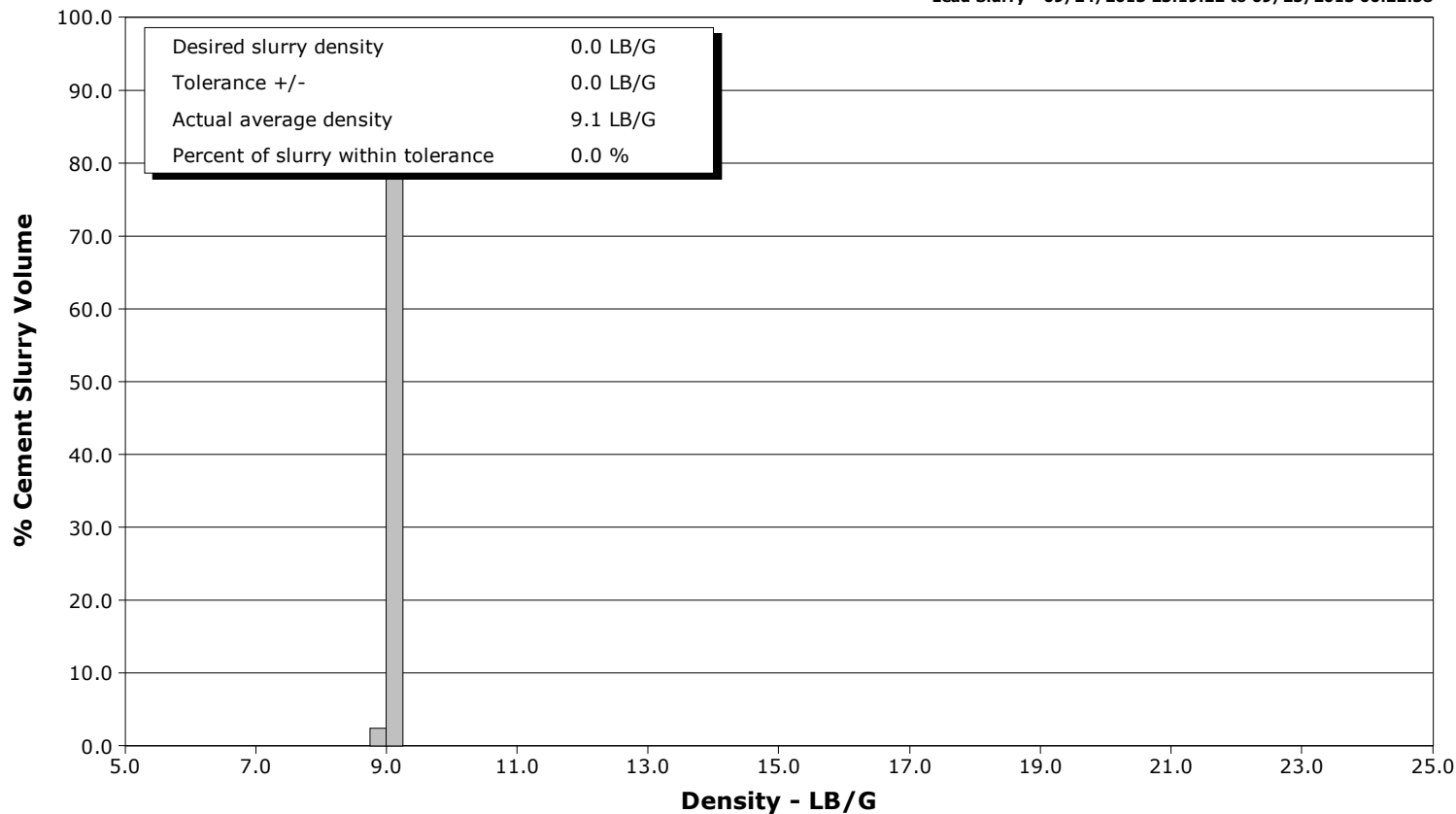
**Job Date** 09-24-2013


# Schlumberger Cementing Qa/Qc Density Report

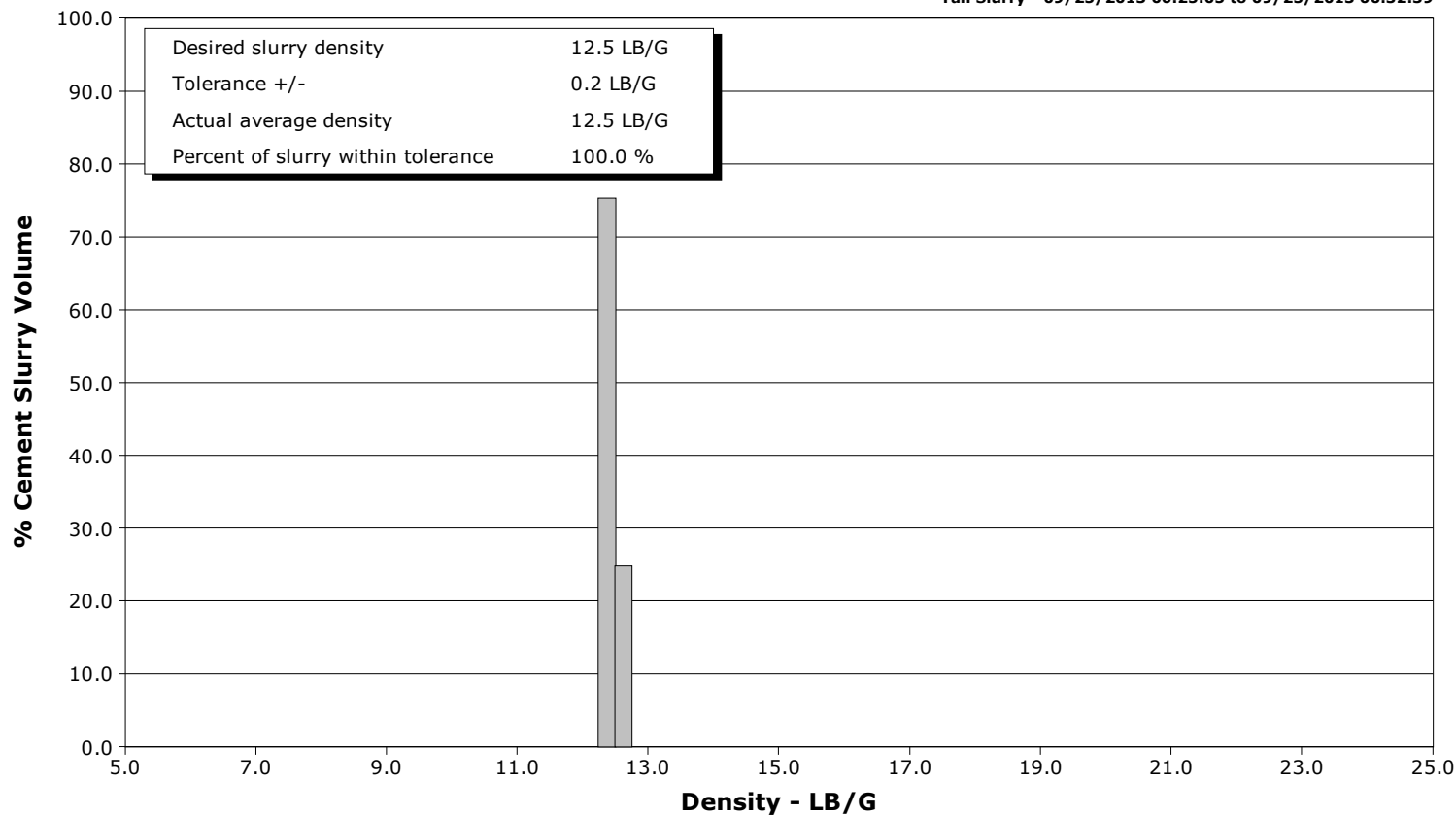
**Well** SGU 8056A-34 E34 496  
**Field** Story Gulch  
**Engineer** Travis Willardson / TJ Morrow  
**Country** United States

**Client** EnCana  
**SIR No.** CMI1-00249  
**Job Type** 9 5/8 Surface  
**Job Date** 09-24-2013

**Lead Slurry - 09/24/2013 23:19:22 to 09/25/2013 00:22:58**



**Tail Slurry - 09/25/2013 00:25:05 to 09/25/2013 00:32:39**



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**Engineer** Travis Willardson / TJ Morrow

**Country** United States

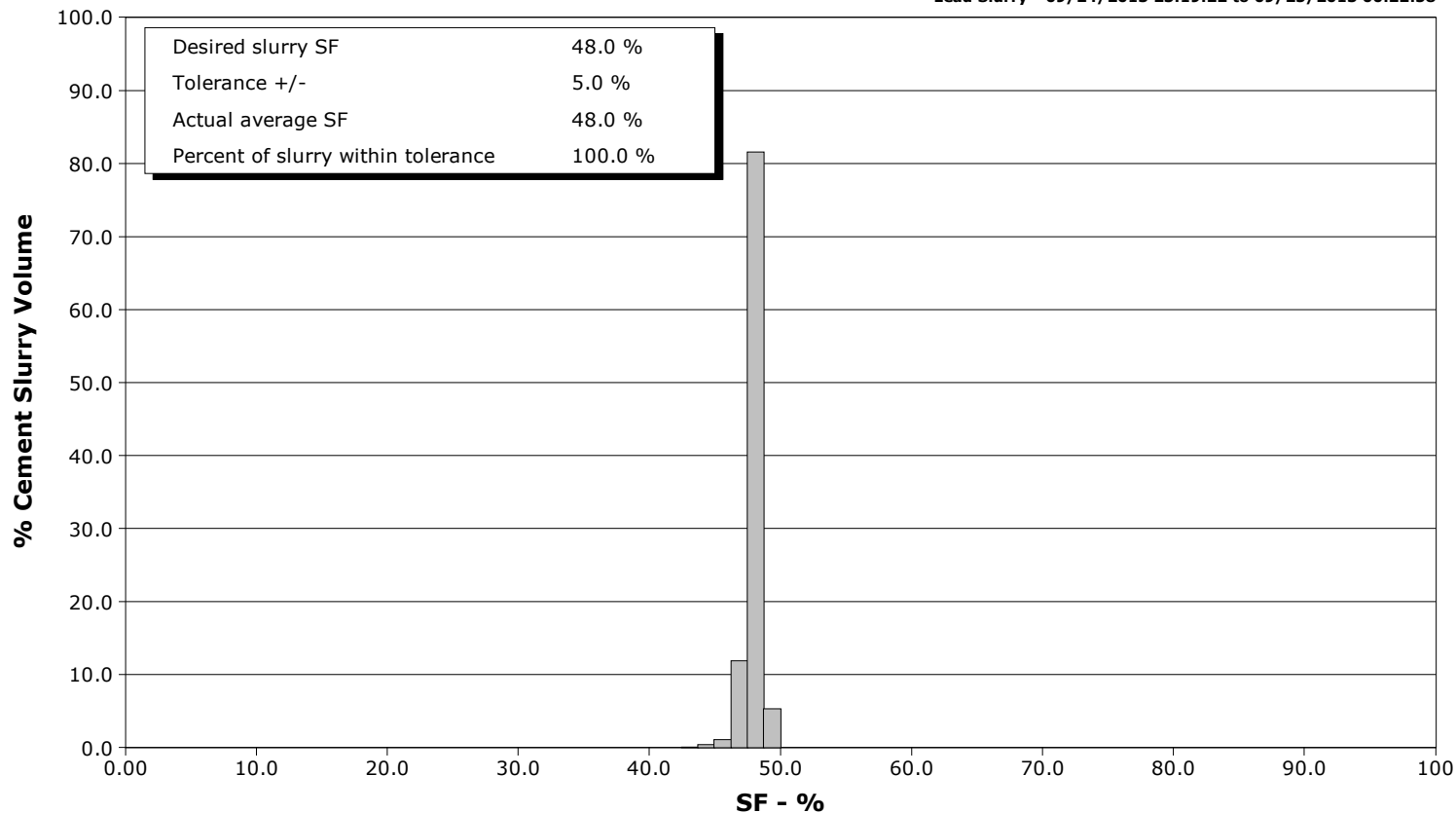
**Client** EnCana

**SIR No.** CMI1-00249

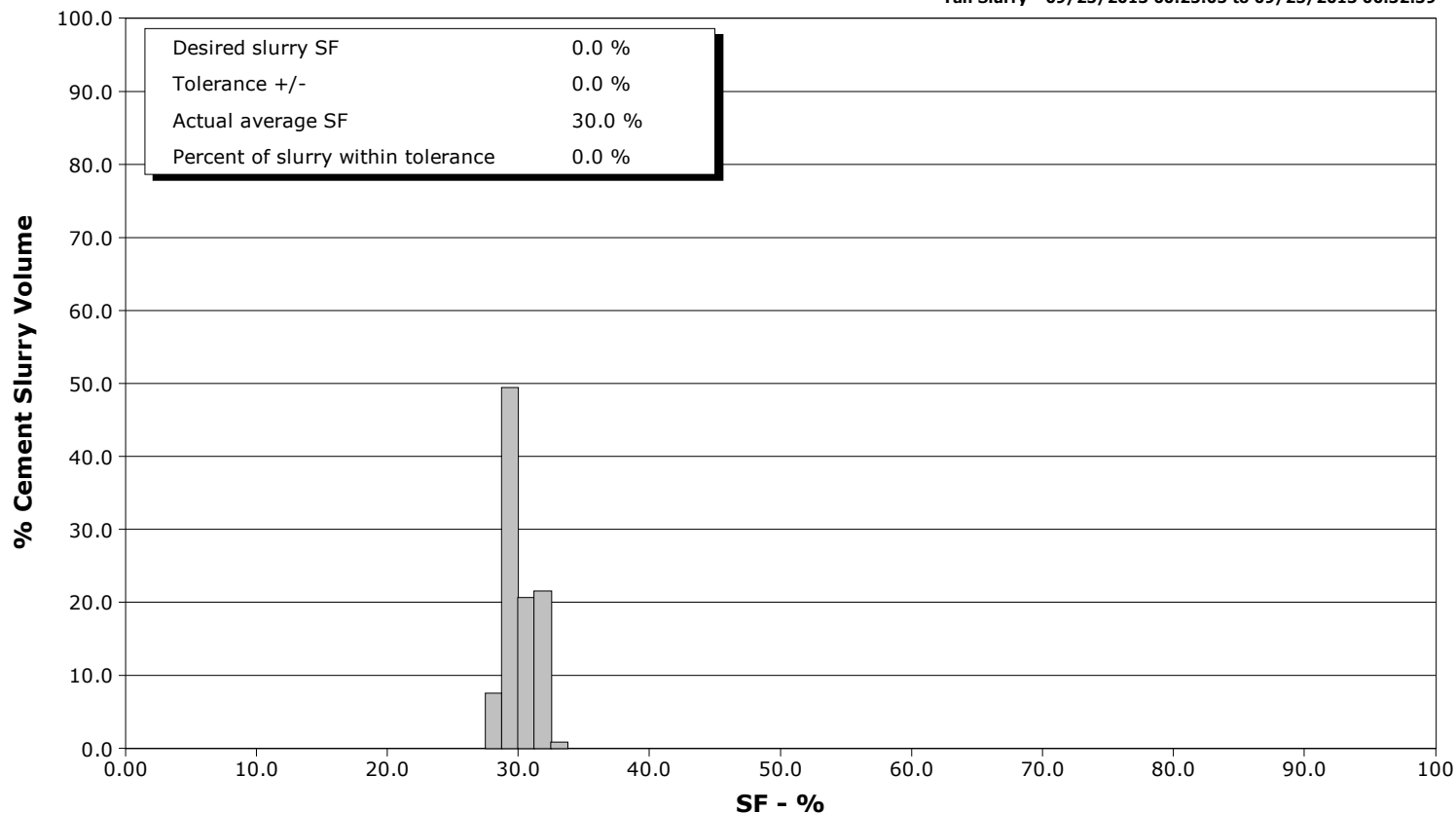
**Job Type** 9 5/8 Surface

**Job Date** 09-24-2013

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Well SGU 8056A-34 E34 496 8056A-34			Field Story Gulch	Job Start Sep/24/2013	Customer EnCana	Job Number CMI1-00249
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/24/2013	23:19:49					Dry Sample 013553
09/24/2013	23:19:49	587	7.4	9.11	49.8	
09/24/2013	23:20:09					Good Returns
09/24/2013	23:20:09	558	7.5	9.11	52.3	
09/24/2013	23:23:21	524	7.9	9.03	77.0	
09/24/2013	23:28:21	544	7.9	9.04	116.4	
09/24/2013	23:33:21	545	7.9	9.04	155.9	
09/24/2013	23:38:21	518	7.9	9.04	195.5	
09/24/2013	23:43:21	516	7.9	9.08	235.0	
09/24/2013	23:48:21	485	7.9	9.07	274.5	
09/24/2013	23:53:21	439	7.9	9.11	314.1	
09/24/2013	23:58:21	489	7.9	9.10	353.6	
09/25/2013	00:03:21	507	7.9	9.14	393.2	
09/25/2013	00:08:21	516	7.9	9.15	432.8	
09/25/2013	00:13:21	544	7.9	9.11	472.2	
09/25/2013	00:18:21	638	7.9	9.12	511.7	
09/25/2013	00:22:58					End Lead Slurry
09/25/2013	00:22:58	627	7.9	9.11	548.1	
09/25/2013	00:23:21	641	7.9	9.11	551.1	
09/25/2013	00:25:05					Start Mixing Tail Slurry
09/25/2013	00:25:05	307	5.1	12.44	562.0	
09/25/2013	00:25:09					Diverted To Pit 415 bbl Away
09/25/2013	00:25:09	309	5.1	12.42	562.3	
09/25/2013	00:25:48					Wet Sample 12.5 ppg
09/25/2013	00:25:48	316	5.1	12.53	565.6	
09/25/2013	00:27:17					Dry Sample 013604
09/25/2013	00:27:17	583	8.0	12.60	576.5	
09/25/2013	00:27:58					Good Returns
09/25/2013	00:27:58	570	8.0	12.42	582.0	
09/25/2013	00:28:21	597	8.0	12.46	585.1	
09/25/2013	00:32:39					End Tail Slurry
09/25/2013	00:32:39	600	8.0	12.50	619.6	
09/25/2013	00:32:40					Drop Top Plug
09/25/2013	00:32:40	622	8.0	12.50	619.7	
09/25/2013	00:32:42					Start Displacement
09/25/2013	00:32:42	617	8.0	12.50	620.0	
09/25/2013	00:33:21	633	8.0	12.55	625.2	
09/25/2013	00:38:21	97	2.6	12.38	654.9	
09/25/2013	00:43:21	175	5.5	7.75	668.3	
09/25/2013	00:48:21	377	7.8	8.41	702.0	
09/25/2013	00:53:21	385	7.8	8.41	741.1	
09/25/2013	00:58:21	381	7.8	8.42	780.2	
09/25/2013	01:02:28					Good Returns
09/25/2013	01:02:28	381	7.8	8.42	812.4	
09/25/2013	01:02:48					276 bbl Slurry To Surface
09/25/2013	01:02:48	387	7.8	8.42	815.0	
09/25/2013	01:03:21	413	7.8	8.42	819.3	
09/25/2013	01:08:21	565	7.8	8.42	858.3	
09/25/2013	01:13:21	393	3.9	8.41	889.0	
09/25/2013	01:17:27					Bump Top Plug 1130 psi
09/25/2013	01:17:27	1127	0.0	8.42	898.0	
09/25/2013	01:17:30					End Displacement
09/25/2013	01:17:30	1130	0.0	8.42	898.0	
09/25/2013	01:17:39					Hold For 10 Min

Well			Field		Job Start	Customer	Job Number
SGU 8056A-34 E34 496 8056A-34			Story Gulch		Sep/24/2013	EnCana	CMI1-00249
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/25/2013	01:17:40					Bleed Off	
09/25/2013	01:17:40					1 1/2 bbl Back	
09/25/2013	01:17:40	1131	0.0	8.42	898.0		
09/25/2013	01:18:21	1130	0.0	8.42	898.0		
09/25/2013	01:23:21	15	0.0	8.42	898.0		
09/25/2013	01:27:02					Stopped Acquisition	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 6.8	N2	Mud 0.0	Maximum Rate 8.5		Total Slurry 570.0	Mud 0.0	Spacer 0.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 3700	Final 122	Average 421	Bump Plug to 1200	Breakdown	Type		Volume 847.0 bbl		Density	
Avg. N2 Percent		Designed Slurry Volume 560.0 bbl		Displacement 225.0 bbl		Mix Water Temp 68 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 276.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative Robert Quintana				Schlumberger Supervisor Travis Willardson / TJ Morrow				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-