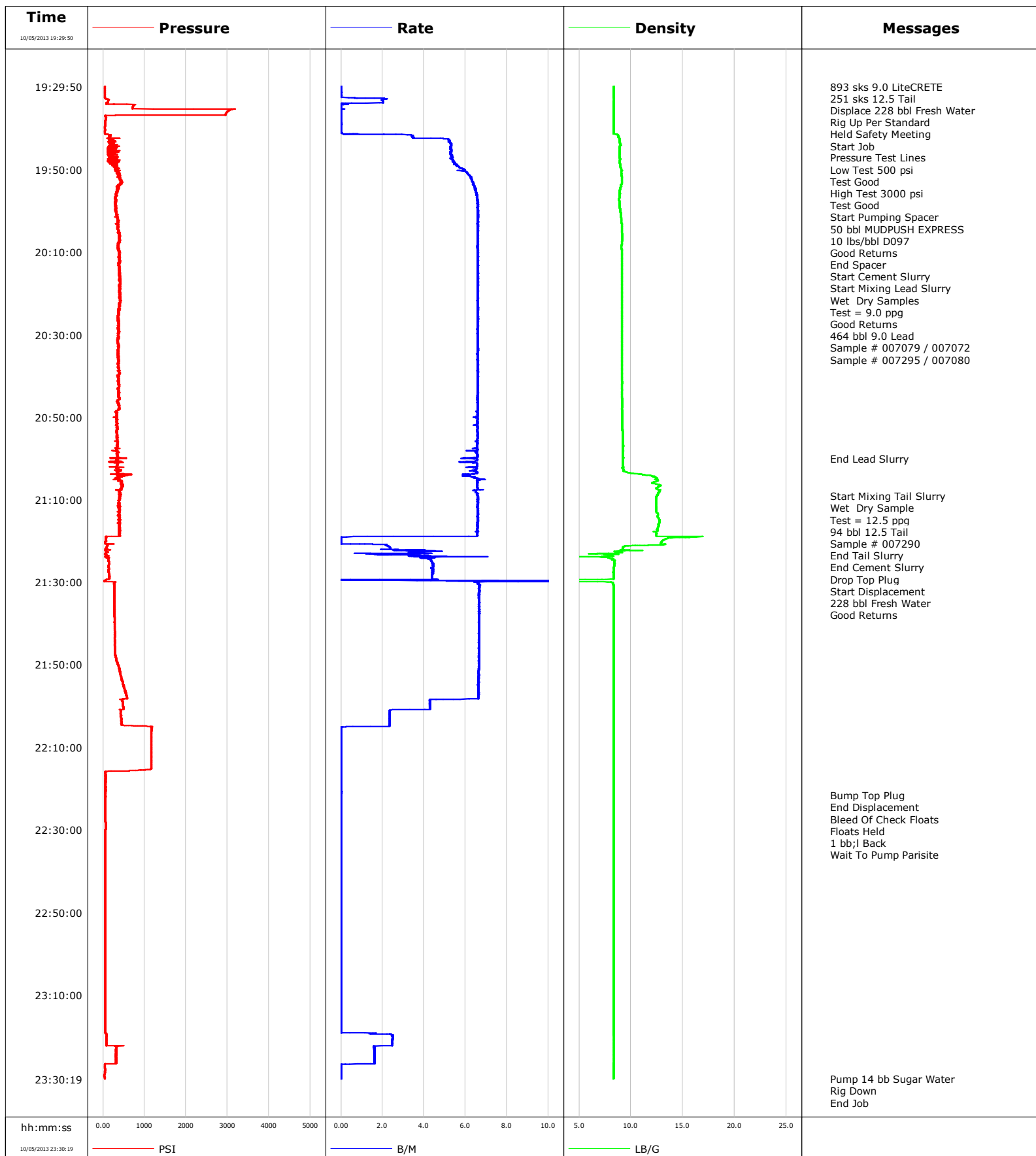


**Well** SGU 8511D-34  
**Field** Story Gulch  
**Engineer** Jordan Moreland / Stacy Terry  
**Country** United States

**Client** Encana  
**SIR No.** CMI1-00371  
**Job Type** 9 5/8 Surface  
**Job Date** 10-05-2013





# Cementing Service Report

				Customer Encana		Job Number CMI1-00371		
Well SGU 8511D-34			Location (legal) E34		Schlumberger Location GCO		Job Start Oct/05/2013	
Field Story Gulch		Formation Name/Type Shale		Deviation	Bit Size 14.8 in	Well MD	Well TVD	
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	2998.0	9.630	36.0	K55	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 9 5/8 Surface						
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole				
				Top,	Bottom,		No. of Shots	Total Interval
								Diameter
				Treat Down Casing	Displacement 228.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 229.0 bbl	Annular Vol. 381.0 bbl	Openhole Vol. 630.0 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 1483 psi				Shoe Type Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2998.0 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/05/2013		Arrived on Location Oct/05/2013	Leave Location Oct/05/2013	Collar Type Float		Tail Pipe Depth		
				Collar Depth 2952.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/05/2013	18:47:49					Started Acquisition		
10/05/2013	19:29:49					50 bbl MUDPUSH EXPRESS		
10/05/2013	19:29:50					893 sks 9.0 LiteCRETE		
10/05/2013	19:29:50					251 sks 12.5 Tail		
10/05/2013	19:29:50					Displace 228 bbl Fresh Water		
10/05/2013	19:29:50	43	0.0	8.33	0.0			
10/05/2013	19:29:51					Rig Up Per Standard		
10/05/2013	19:29:51					Held Safety Meeting		
10/05/2013	19:29:51	42	0.0	8.33	0.0			
10/05/2013	19:29:52					Start Job		
10/05/2013	19:29:52	43	0.0	8.33	0.0			
10/05/2013	19:29:54					Pressure Test Lines		
10/05/2013	19:29:54	42	0.0	8.34	0.0			
10/05/2013	19:29:55					Low Test 500 psi		
10/05/2013	19:29:55					Test Good		
10/05/2013	19:29:55					High Test 3000 psi		
10/05/2013	19:29:55					Test Good		
10/05/2013	19:29:55	42	0.0	8.33	0.0			
10/05/2013	19:32:09	42	0.0	8.33	0.0			
10/05/2013	19:34:29	737	0.0	8.33	2.6			
10/05/2013	19:36:49	2946	0.0	8.33	2.6			

Well			Field		Job Start		Customer		Job Number	
SGU 8511D-34			Story Gulch		Oct/05/2013		Encana		CMI1-00371	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/05/2013	19:41:29	53	0.1	8.55	2.7					
10/05/2013	19:41:39					Start Pumping Spacer				
10/05/2013	19:41:39	182	3.4	8.74	3.2					
10/05/2013	19:41:40					50 bbl MUDPUSH EXPRESS				
10/05/2013	19:41:40					10 lbs/bbl D097				
10/05/2013	19:41:40					Good Returns				
10/05/2013	19:41:40	161	3.4	8.74	3.2					
10/05/2013	19:43:49	155	5.3	8.96	13.0					
10/05/2013	19:46:09	242	5.3	8.90	25.3					
10/05/2013	19:48:29	188	5.5	8.95	37.8					
10/05/2013	19:50:49	367	6.1	9.08	51.3					
10/05/2013	19:50:54					End Spacer				
10/05/2013	19:50:54	352	6.1	9.09	51.8					
10/05/2013	19:50:58					Start Cement Slurry				
10/05/2013	19:50:58	350	6.1	9.09	52.2					
10/05/2013	19:50:59					Start Mixing Lead Slurry				
10/05/2013	19:50:59	386	6.1	9.09	52.3					
10/05/2013	19:51:00					Wet Dry Samples				
10/05/2013	19:51:00	386	6.1	9.09	52.4					
10/05/2013	19:51:01					Test = 9.0 ppg				
10/05/2013	19:51:01					Good Returns				
10/05/2013	19:51:01					464 bbl 9.0 Lead				
10/05/2013	19:51:01					Sample # 007079 / 007072				
10/05/2013	19:51:01					Sample # 007295 / 007080				
10/05/2013	19:51:01	373	6.1	9.09	52.5					
10/05/2013	19:53:09	470	6.4	9.13	65.9					
10/05/2013	19:55:29	332	6.5	8.91	80.9					
10/05/2013	19:57:49	312	6.6	8.87	96.2					
10/05/2013	20:00:09	323	6.6	8.99	111.5					
10/05/2013	20:02:29	358	6.6	9.08	126.9					
10/05/2013	20:04:49	382	6.6	9.14	142.3					
10/05/2013	20:07:09	406	6.6	9.15	157.7					
10/05/2013	20:09:29	389	6.6	9.11	173.0					
10/05/2013	20:11:49	394	6.6	9.13	188.4					
10/05/2013	20:14:09	384	6.6	9.12	203.8					
10/05/2013	20:16:29	401	6.6	9.11	219.2					
10/05/2013	20:18:49	412	6.6	9.12	234.6					
10/05/2013	20:21:09	421	6.6	9.13	249.9					
10/05/2013	20:23:29	374	6.6	9.11	265.3					
10/05/2013	20:25:49	362	6.6	9.10	280.7					
10/05/2013	20:28:09	365	6.6	9.14	296.1					
10/05/2013	20:30:29	384	6.6	9.11	311.4					
10/05/2013	20:32:49	377	6.6	9.11	326.8					
10/05/2013	20:35:09	357	6.6	9.12	342.2					
10/05/2013	20:37:29	381	6.6	9.13	357.5					
10/05/2013	20:39:49	362	6.6	9.13	372.9					
10/05/2013	20:42:09	376	6.6	9.14	388.3					
10/05/2013	20:44:29	390	6.6	9.11	403.6					
10/05/2013	20:46:49	384	6.6	9.16	419.0					
10/05/2013	20:49:09	335	6.6	9.16	434.3					
10/05/2013	20:51:29	348	6.6	9.17	449.7					
10/05/2013	20:53:49	341	6.6	9.20	465.0					
10/05/2013	20:56:09	340	6.6	9.22	480.3					
10/05/2013	20:58:29	392	6.5	9.23	495.6					

Well			Field		Job Start	Customer	Job Number
SGU 8511D-34			Story Gulch		Oct/05/2013	Encana	CM11-00371
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
10/05/2013	21:00:00	404	5.9	9.24	505.4		
10/05/2013	21:00:49	272	5.9	9.21	510.7		
10/05/2013	21:03:09	401	6.5	9.34	525.7		
10/05/2013	21:05:29	379	6.6	12.54	540.7		
10/05/2013	21:07:49	421	6.5	12.77	556.0		
10/05/2013	21:09:00					Start Mixing Tail Slurry	
10/05/2013	21:09:00	408	6.6	12.53	563.8		
10/05/2013	21:10:09	407	6.6	12.39	571.3		
10/05/2013	21:12:00					Wet Dry Sample	
10/05/2013	21:12:00					Test = 12.5 ppg	
10/05/2013	21:12:00					94 bbl 12.5 Tail	
10/05/2013	21:12:00					Sample # 007290	
10/05/2013	21:12:00	406	6.6	12.43	583.5		
10/05/2013	21:12:29	384	6.6	12.46	586.7		
10/05/2013	21:14:49	367	6.6	12.74	602.1		
10/05/2013	21:17:00					End Tail Slurry	
10/05/2013	21:17:00	374	6.6	12.57	616.5		
10/05/2013	21:17:09	405	6.6	12.56	617.4		
10/05/2013	21:19:00					End Cement Slurry	
10/05/2013	21:19:00	67	0.3	16.28	629.2		
10/05/2013	21:19:29	67	0.0	13.38	629.2		
10/05/2013	21:21:00					Drop Top Plug	
10/05/2013	21:21:00					Start Displacement	
10/05/2013	21:21:00	103	2.2	12.11	629.7		
10/05/2013	21:21:49	82	2.4	9.22	631.6		
10/05/2013	21:24:09	120	4.1	7.97	639.6		
10/05/2013	21:24:17					228 bbl Fresh Water	
10/05/2013	21:24:17	130	4.3	8.22	640.2		
10/05/2013	21:24:18					Good Returns	
10/05/2013	21:24:18	130	4.3	8.26	640.3		
10/05/2013	21:26:29	141	4.4	8.33	649.8		
10/05/2013	21:28:49	148	4.4	8.33	660.1		
10/05/2013	21:31:09	272	6.7	8.31	675.2		
10/05/2013	21:33:29	274	6.6	8.32	690.7		
10/05/2013	21:35:49	273	6.7	8.32	706.3		
10/05/2013	21:38:09	273	6.7	8.32	721.8		
10/05/2013	21:40:29	282	6.7	8.32	737.3		
10/05/2013	21:42:49	284	6.7	8.32	752.8		
10/05/2013	21:45:09	279	6.6	8.32	768.4		
10/05/2013	21:47:29	297	6.7	8.32	783.9		
10/05/2013	21:49:49	361	6.7	8.32	799.4		
10/05/2013	21:52:09	412	6.6	8.32	814.9		
10/05/2013	21:54:29	480	6.6	8.32	830.4		
10/05/2013	21:56:49	548	6.6	8.32	845.8		
10/05/2013	21:59:09	473	4.3	8.32	859.3		
10/05/2013	22:01:29	431	2.3	8.32	868.2		
10/05/2013	22:03:49	449	2.3	8.32	873.6		
10/05/2013	22:06:09	1163	0.0	8.32	876.4		
10/05/2013	22:08:29	1163	0.0	8.32	876.4		
10/05/2013	22:10:49	1163	0.0	8.32	876.4		
10/05/2013	22:13:09	1164	0.0	8.32	876.4		
10/05/2013	22:15:29	946	0.0	8.32	876.5		
10/05/2013	22:17:49	60	0.0	8.32	876.5		
10/05/2013	22:20:09	60	0.0	8.32	876.5		

Well			Field		Job Start		Customer		Job Number	
SGU 8511D-34			Story Gulch		Oct/05/2013		Encana		CMI1-00371	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/05/2013	22:21:34					End Displacement				
10/05/2013	22:21:34	60	0.0	8.32	876.6					
10/05/2013	22:21:36					Bleed Of Check Floats				
10/05/2013	22:21:36					Floats Held				
10/05/2013	22:21:36					1 bb;l Back				
10/05/2013	22:21:36	59	0.0	8.32	876.6					
10/05/2013	22:21:37					Wait To Pump Parisite				
10/05/2013	22:21:37	59	0.0	8.32	876.6					
10/05/2013	22:22:29	59	0.0	8.32	876.6					
10/05/2013	22:24:49	59	0.0	8.32	876.6					
10/05/2013	22:27:09	58	0.0	8.32	876.6					
10/05/2013	22:29:29	67	0.0	8.32	876.7					
10/05/2013	22:31:49	54	0.0	8.32	876.7					
10/05/2013	22:34:09	53	0.0	8.32	876.7					
10/05/2013	22:36:29	53	0.0	8.32	876.7					
10/05/2013	22:38:49	53	0.0	8.32	876.8					
10/05/2013	22:41:09	53	0.0	8.32	876.8					
10/05/2013	22:43:29	53	0.0	8.32	876.8					
10/05/2013	22:45:49	51	0.0	8.32	876.9					
10/05/2013	22:48:09	51	0.0	8.32	876.9					
10/05/2013	22:50:29	51	0.0	8.32	876.9					
10/05/2013	22:52:49	51	0.0	8.32	876.9					
10/05/2013	22:55:09	51	0.0	8.33	877.0					
10/05/2013	22:57:29	50	0.0	8.33	877.0					
10/05/2013	22:59:49	50	0.0	8.32	877.0					
10/05/2013	23:02:09	50	0.0	8.32	877.1					
10/05/2013	23:04:29	50	0.0	8.32	877.1					
10/05/2013	23:06:49	50	0.0	8.32	877.1					
10/05/2013	23:09:09	51	0.0	8.32	877.1					
10/05/2013	23:11:29	50	0.0	8.32	877.2					
10/05/2013	23:13:49	51	0.0	8.32	877.2					
10/05/2013	23:16:09	50	0.0	8.32	877.2					
10/05/2013	23:18:29	50	0.0	8.33	877.2					
10/05/2013	23:20:49	76	2.5	8.37	881.1					
10/05/2013	23:23:09	317	1.6	8.37	886.1					
10/05/2013	23:25:29	326	1.6	8.35	889.8					
10/05/2013	23:27:49	47	0.0	8.33	891.8					
10/05/2013	23:30:09	37	0.0	8.33	891.8					
10/05/2013	23:30:15					Pump 14 bb Sugar Water				
10/05/2013	23:30:15					Rig Down				
10/05/2013	23:30:15	37	0.0	8.33	891.8					
10/05/2013	23:30:17					End Job				
10/05/2013	23:30:17	38	0.0	8.33	891.8					

Well	Field	Job Start	Customer	Job Number
SGU 8511D-34	Story Gulch	Oct/05/2013	Encana	CMI1-00371

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		
				58 degF	Washed Thru Perfs	To		
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed	
Mark Schultz			Jordan Moreland / Stacy Terry			-	-	