

Well SGU 8506B-34

Field Story Gulch

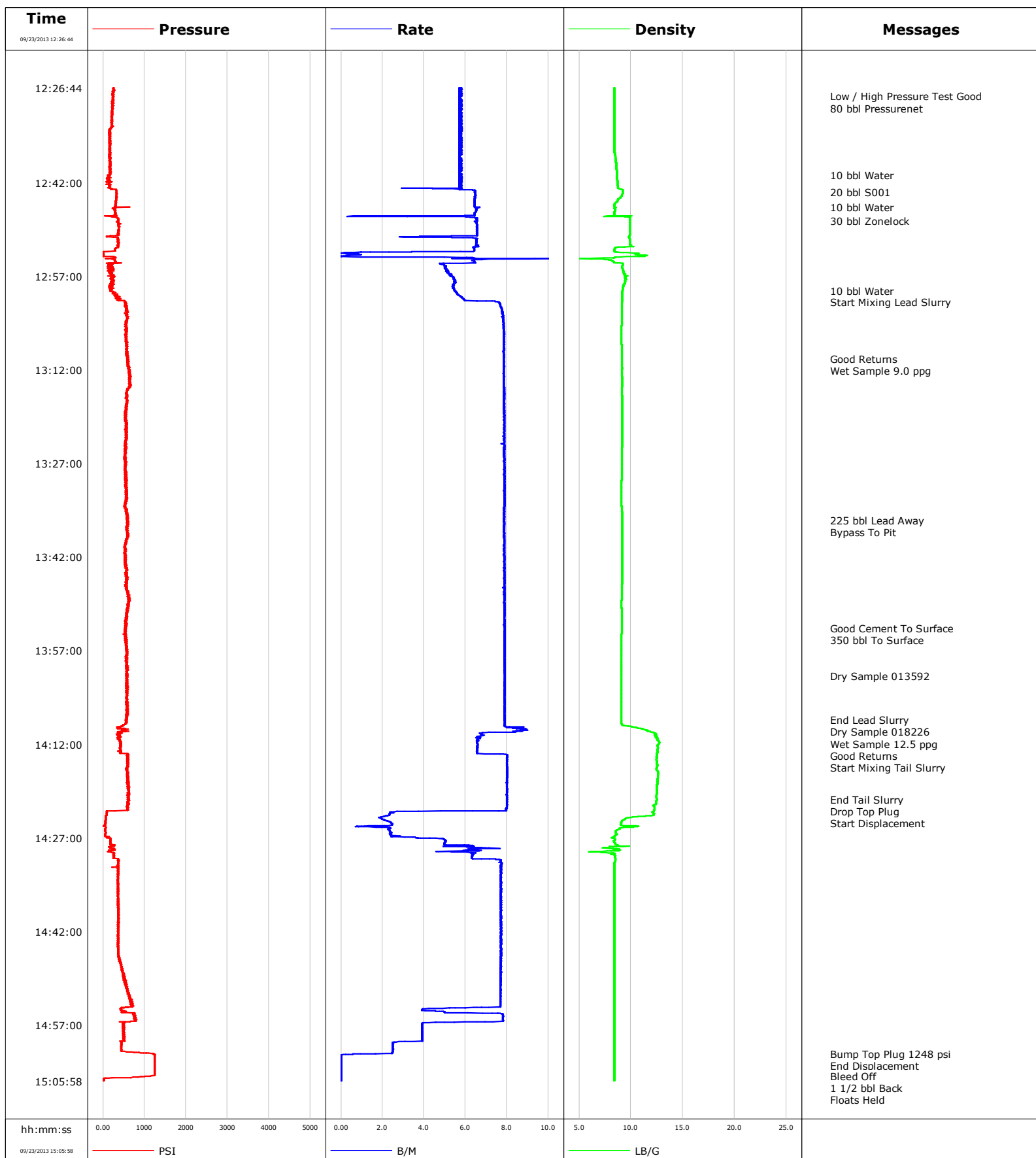
Engineer Travis Willardson / TJ Morrow

Country United States

Client EnCana

SIR No. CMI1-00250

Job Type 9 5/8 Surface

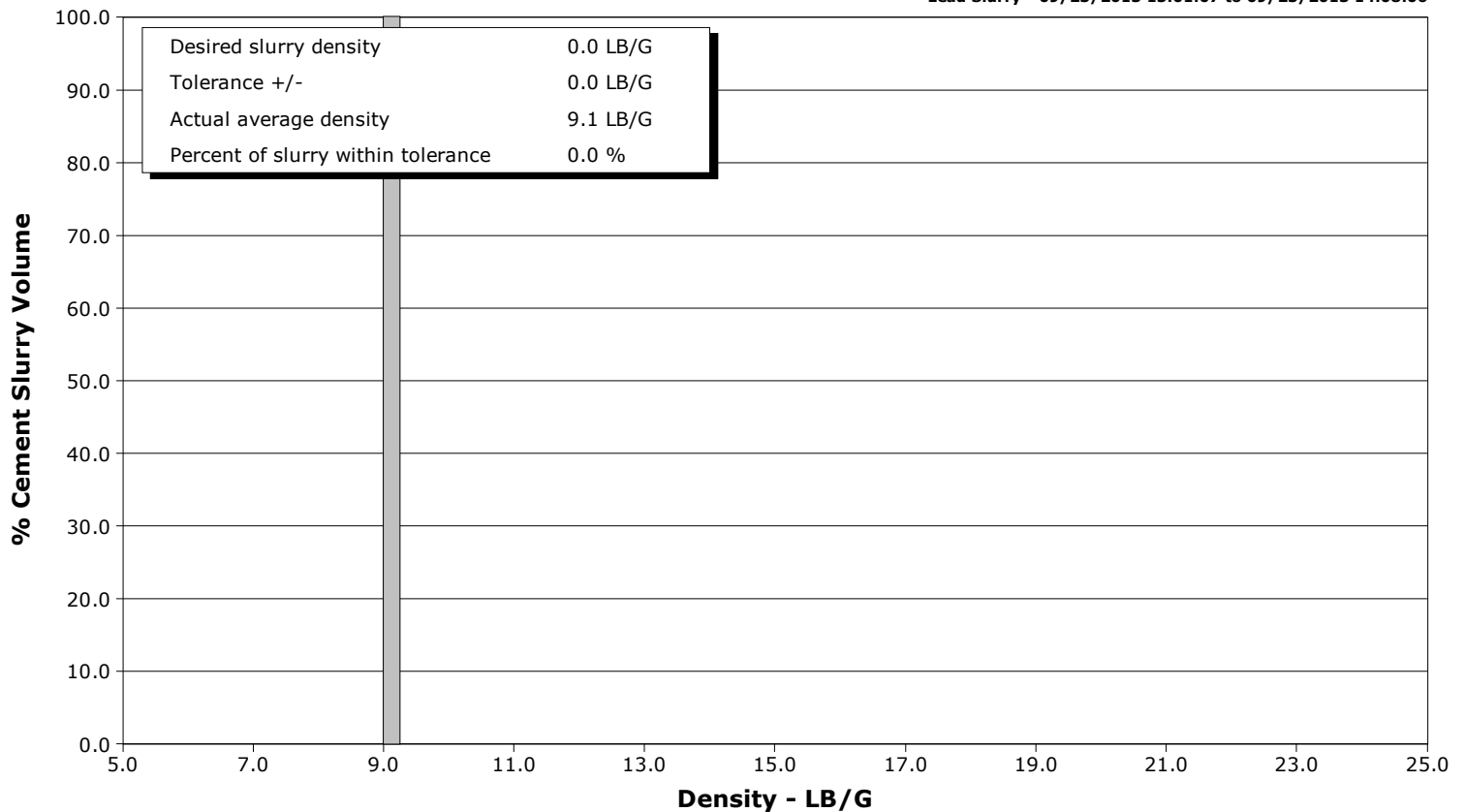
Job Date 09-23-2013


Schlumberger Cementing Qa/Qc Density Report

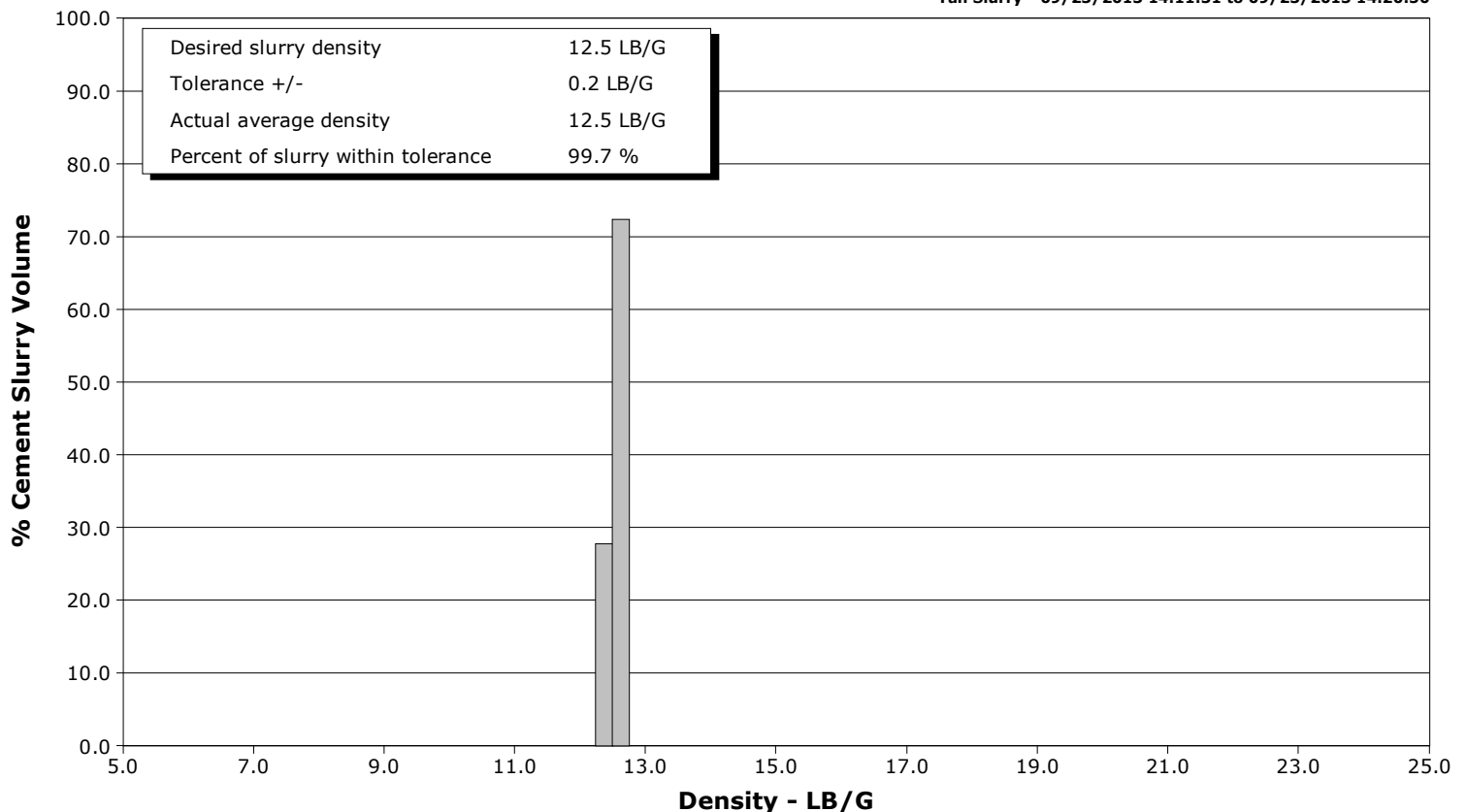
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Field Story Gulch
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Client EnCana
SIR No. CMI1-00250
Job Type 9 5/8 Surface
Job Date 09-23-2013

Lead Slurry - 09/23/2013 13:01:07 to 09/23/2013 14:08:06



Tail Slurry - 09/23/2013 14:11:31 to 09/23/2013 14:20:50





Cementing Service Report

				Customer EnCana		Job Number CMI1-00250		
Well SGU 8506B-34 8506B-34			Location (legal) E34		Schlumberger Location Grand Junction		Job Start Sep/23/2013	
Field Story Gulch		Formation Name/Type Dirty-Sandstone		Deviation	Bit Size 14.8 in	Well MD 2953.0 ft		Well TVD 2939.0 ft
County Garfield		State/Province Colorado		BHP	BHST 120 degF	BHCT 91 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	52.8	N/A	N/A	
			2953.0	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 225.0 bbl	Packer Type	Packer Depth		
			Tubing Vol.	Casing Vol.	Annular Vol. 376.0 bbl	Openhole Vol. 621.0 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 1461 psi			Shoe Type Float		Squeeze Type			
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2953.0 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/23/2013	Arrived on Location Sep/23/2013	Leave Location Sep/23/2013	Collar Type Float		Tail Pipe Depth			
			Collar Depth 2908.0 ft		Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/23/2013	11:58:11					Safety Meeting		
09/23/2013	11:58:12					Flow 2 bbl Water		
09/23/2013	12:01:01					Pressure Test Lines		
09/23/2013	12:26:44	238	5.7	8.41	0.0			
09/23/2013	12:28:05					Low / High Pressure Test Good		
09/23/2013	12:28:05					80 bbl Pressurenent		
09/23/2013	12:28:05	238	5.7	8.41	7.8			
09/23/2013	12:28:11	245	5.7	8.41	8.3			
09/23/2013	12:33:11	221	5.8	8.41	37.0			
09/23/2013	12:38:11	170	5.7	8.54	65.7			
09/23/2013	12:40:49					10 bbl Water		
09/23/2013	12:40:49	154	5.7	8.65	80.8			
09/23/2013	12:43:11	319	6.4	9.21	94.3			
09/23/2013	12:43:28					20 bbl S001		
09/23/2013	12:43:28	330	6.5	9.20	96.2			
09/23/2013	12:45:55					10 bbl Water		
09/23/2013	12:45:55	642	6.5	8.44	112.0			
09/23/2013	12:48:08					30 bbl Zonelock		
09/23/2013	12:48:08	385	6.5	9.87	125.8			
09/23/2013	12:48:11	378	6.5	9.87	126.1			
09/23/2013	12:53:11	-1	0.4	9.25	157.4			

Well			Field		Job Start		Customer		Job Number	
SGU 8506B-34 8506B-34			Story Gulch		Sep/23/2013		EnCana		CMI1-00250	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/23/2013	12:59:20					10 bbl Water				
09/23/2013	12:59:20	212	5.5	9.19	187.7					
09/23/2013	13:01:07					Start Mixing Lead Slurry				
09/23/2013	13:01:07	559	7.6	9.13	198.2					
09/23/2013	13:03:11	592	7.8	9.13	214.2					
09/23/2013	13:08:11	577	7.8	9.10	253.4					
09/23/2013	13:10:09					Good Returns				
09/23/2013	13:10:09	578	7.8	9.13	268.8					
09/23/2013	13:10:29					Wet Sample 9.0 ppg				
09/23/2013	13:10:29	595	7.8	9.13	271.5					
09/23/2013	13:13:11	661	7.8	9.14	292.6					
09/23/2013	13:18:11	554	7.9	9.15	331.9					
09/23/2013	13:23:11	561	7.9	9.17	371.3					
09/23/2013	13:28:11	531	7.9	9.13	410.6					
09/23/2013	13:33:11	545	7.9	9.07	450.0					
09/23/2013	13:36:08					225 bbl Lead Away				
09/23/2013	13:36:08	581	7.9	9.16	473.2					
09/23/2013	13:36:23					Bypass To Pit				
09/23/2013	13:36:23	597	7.9	9.16	475.2					
09/23/2013	13:38:11	575	7.9	9.17	489.3					
09/23/2013	13:43:11	537	7.9	9.16	528.7					
09/23/2013	13:48:11	605	7.9	9.12	568.1					
09/23/2013	13:53:11	557	7.9	9.11	607.4					
09/23/2013	13:53:21					Good Cement To Surface				
09/23/2013	13:53:21	546	7.9	9.11	608.8					
09/23/2013	13:54:23					350 bbl To Surface				
09/23/2013	13:54:23	560	7.9	9.09	616.9					
09/23/2013	13:58:11	587	7.9	9.09	646.9					
09/23/2013	14:01:00					Dry Sample 013592				
09/23/2013	14:01:00	572	7.9	9.08	669.1					
09/23/2013	14:03:11	571	7.9	9.07	686.3					
09/23/2013	14:08:06					End Lead Slurry				
09/23/2013	14:08:06	564	7.9	9.08	725.0					
09/23/2013	14:08:11	544	7.9	9.09	725.7					
09/23/2013	14:08:30					Dry Sample 018226				
09/23/2013	14:08:30	552	7.9	9.09	728.2					
09/23/2013	14:08:57					Wet Sample 12.5 ppg				
09/23/2013	14:08:57	500	7.9	9.25	731.7					
09/23/2013	14:09:14					Good Returns				
09/23/2013	14:09:14	342	8.8	10.17	734.0					
09/23/2013	14:11:31					Start Mixing Tail Slurry				
09/23/2013	14:11:31	421	6.6	12.69	750.9					
09/23/2013	14:13:11	422	6.6	12.54	761.8					
09/23/2013	14:18:11	564	8.0	12.54	801.3					
09/23/2013	14:20:50					End Tail Slurry				
09/23/2013	14:20:50	626	8.0	12.51	822.4					
09/23/2013	14:20:52					Drop Top Plug				
09/23/2013	14:20:52	623	8.0	12.51	822.7					
09/23/2013	14:20:53					Start Displacement				
09/23/2013	14:20:53	595	8.0	12.51	822.8					
09/23/2013	14:23:11	91	2.3	12.17	838.6					
09/23/2013	14:28:11	280	5.9	8.76	853.2					
09/23/2013	14:33:11	362	7.7	8.42	888.6					
09/23/2013	14:38:11	376	7.7	8.42	927.1					

Well			Field		Job Start	Customer	Job Number
SGU 8506B-34 8506B-34			Story Gulch		Sep/23/2013	EnCana	CMI1-00250
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/23/2013	14:48:11	465	7.7	8.42	1004.2		
09/23/2013	14:53:11	697	7.7	8.42	1042.7		
09/23/2013	14:58:11	511	3.9	8.42	1072.2		
09/23/2013	15:01:39					Bump Top Plug 1248 psi	
09/23/2013	15:01:39	1230	1.0	8.42	1082.9		
09/23/2013	15:01:40					End Displacement	
09/23/2013	15:01:40	1230	0.6	8.42	1082.9		
09/23/2013	15:03:11	1245	0.0	8.42	1082.9		
09/23/2013	15:05:06					Bleed Off	
09/23/2013	15:05:06	1244	0.0	8.42	1082.9		
09/23/2013	15:05:39					1 1/2 bbl Back	
09/23/2013	15:05:39	14	0.0	8.42	1082.9		
09/23/2013	15:05:41					Floats Held	
09/23/2013	15:05:41	14	0.0	8.42	1082.9		
09/23/2013	15:06:01					Stopped Acquisition	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 7.0	N2	Mud 0.0	Maximum Rate 10.3	Total Slurry 570.0	Mud 0.0	Spacer 0.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 1255	Final 14	Average 466	Bump Plug to 1250	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 561.0 bbl		Displacement 219.1 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 350.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Norman McCreary			Schlumberger Supervisor Travis Willardson / TJ Morrow			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-			