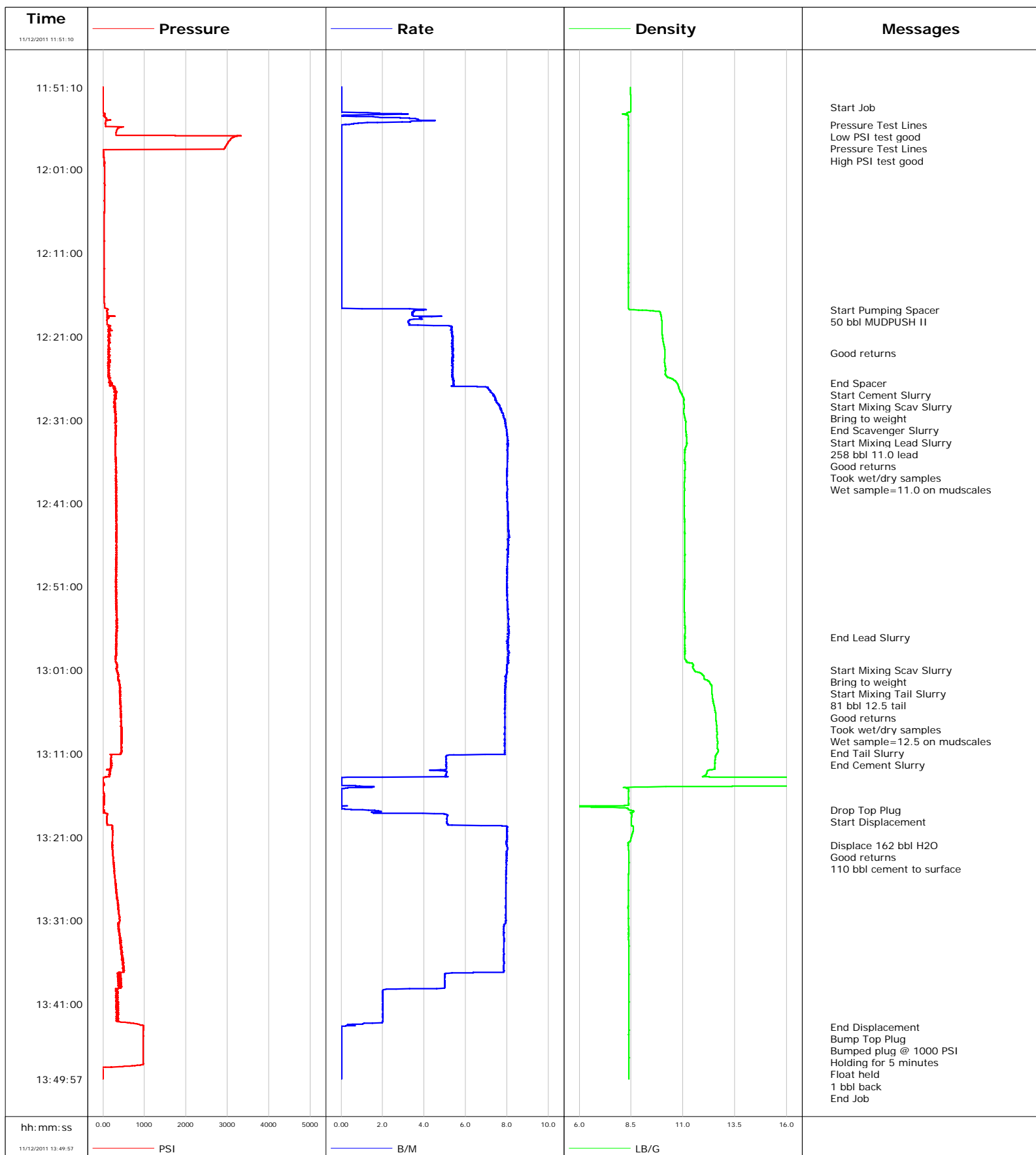


Well SGU 8508C-21
Field Story Gulch
Engineer Matt Fair/Chuck Rogers
Country United States

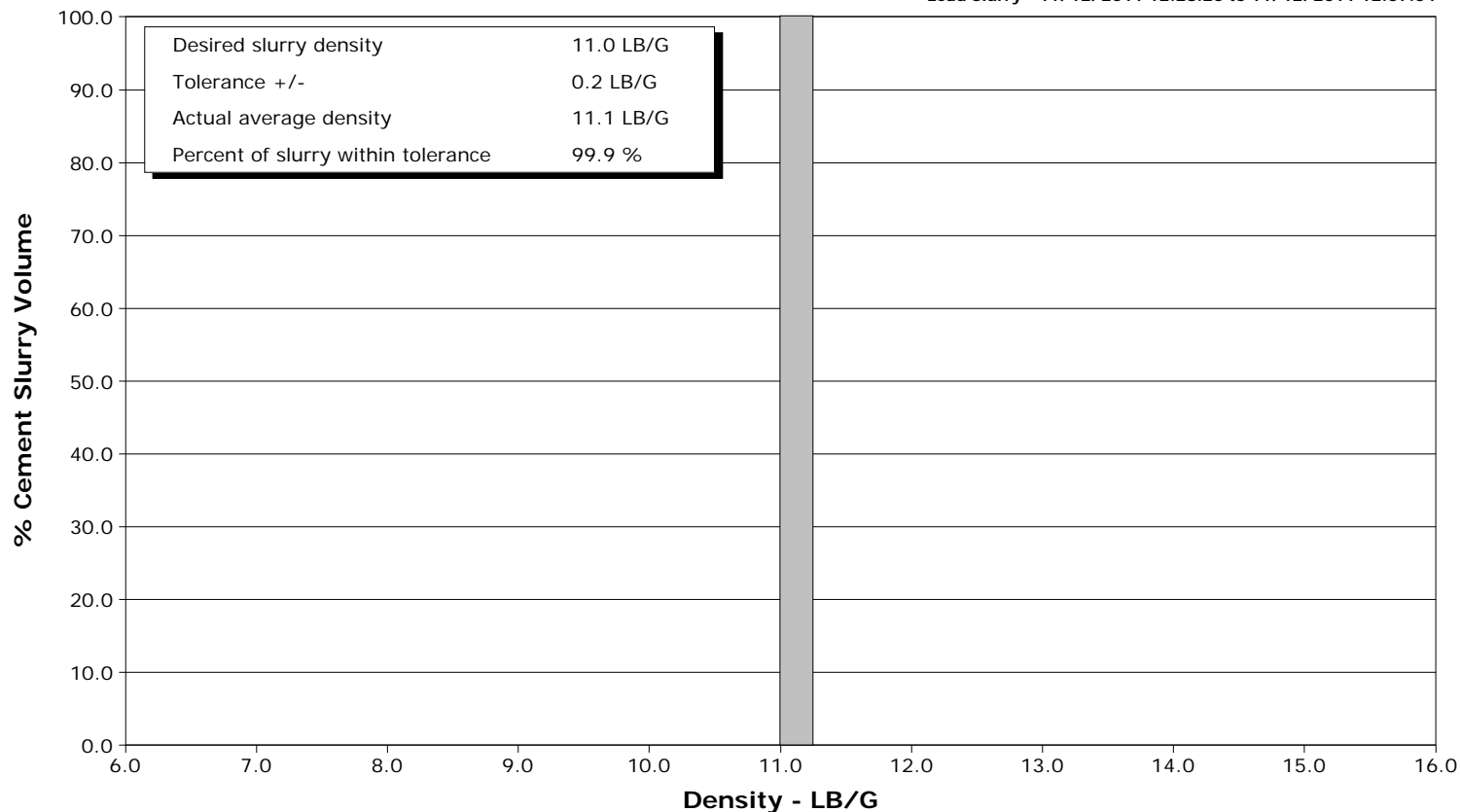
Client Encana
SIR No. BQMF-00340
Job Type 9 5/8 Surface
Job Date 11-12-2011



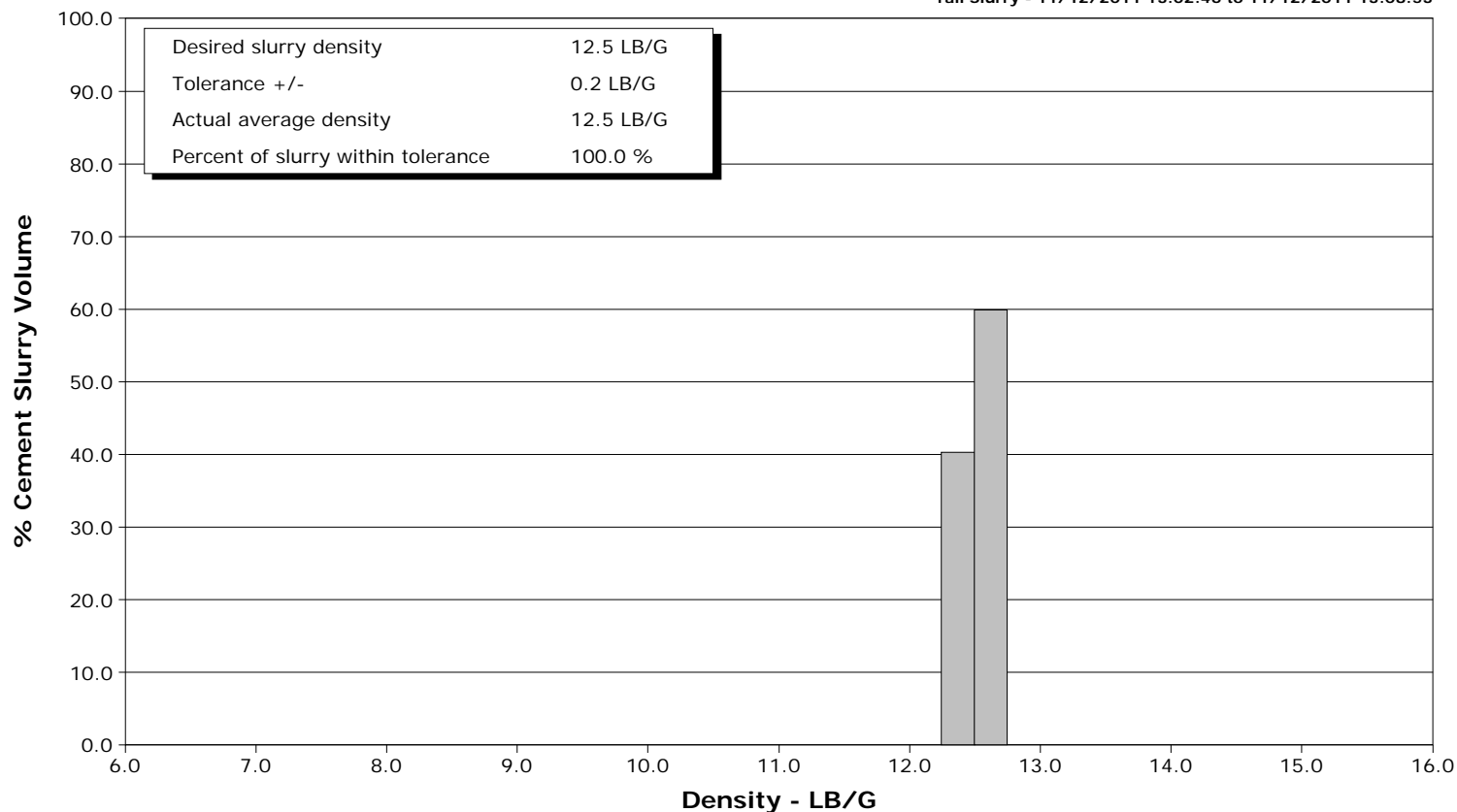
Well SGU 8508C-21
Field Story Gulch
Engineer Matt Fair/Chuck Rogers
Country United States

Client Encana
SIR No. BQMF-00340
Job Type 9 5/8 Surface
Job Date 11-12-2011

Lead Slurry - 11/12/2011 12:28:25 to 11/12/2011 12:57:04



Tail Slurry - 11/12/2011 13:02:46 to 11/12/2011 13:08:53





Cementing Service Report

				Customer Encana		Job Number BQMF-00340		
Well SGU 8508C-21			Location (legal)		Schlumberger Location Grand Junction, Colorado		Job Start Nov/12/2011	
Field Story Gulch		Formation Name/Type Shale		Deviation	Bit Size 14.8 in	Well MD 2137.0 ft		Well TVD 2137.0 ft
County Garfield		State/Province Colorado		BHP	BHST 110 degF	BHCT 91 degF	Pore Press. Gradient	
Well Master 0631277947		API/UWI						
Rig Name Patterson 306	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	118.0	20.000	94.0	N/A	N/A	
			2137.0	9.630	36.0	K55	8RD	
Drilling Fluid Type Bentonite		Max. Density 9.00 lb/gal	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type 9 5/8 Surface							
Max. Allowed Tub. Press 3520 psi	Max. Allowed Ann. Press 2030 psi	WH Connection 9 5/8	Perforations/Open Hole					
			Top,	Bottom,		No. of Shots	Total Interval	
							Diameter	
Treat Down Casing		Displacement 162.0 bbl		Packer Type		Packer Depth		
Tubing Vol.		Casing Vol. 166.0 bbl		Annular Vol. 276.0 bbl		Openhole Vol. 459.0 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 1057 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2137.0 ft		Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs 0	Stage Tool Type		Tool Depth		
Cement Head Type Single			Stage Tool Depth		Tail Pipe Size			
Job Scheduled For Nov/12/2011 10:00		Arrived on Location Nov/12/2011 10:00	Leave Location Nov/12/2011 14:00	Collar Type Float		Tail Pipe Depth		
				Collar Depth 2092.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/12/2011	11:16:54					Started Acquisition		
11/12/2011	11:17:12					Rig up per STD 5		
11/12/2011	11:17:12					Safety meeting		
11/12/2011	11:51:10	-5	0.0	8.47	0.0			
11/12/2011	11:51:54	-6	0.0	8.47	0.0			
11/12/2011	11:53:34	-9	0.0	8.49	0.0			
11/12/2011	11:53:35					Start Job		
11/12/2011	11:53:35	-9	0.0	8.49	0.0			
11/12/2011	11:55:14	66	3.4	8.37	2.3			
11/12/2011	11:55:40					Pressure Test Lines		
11/12/2011	11:55:40	67	0.0	8.38	3.0			
11/12/2011	11:55:41					Low PSI test good		
11/12/2011	11:55:41	67	0.0	8.38	3.0			
11/12/2011	11:56:54	312	0.0	8.38	3.0			
11/12/2011	11:57:42					Pressure Test Lines		
11/12/2011	11:57:42	3030	0.0	8.38	3.0			
11/12/2011	11:57:43					High PSI test good		
11/12/2011	11:57:43	3026	0.0	8.38	3.0			
11/12/2011	11:58:34	2919	0.0	8.38	3.0			
11/12/2011	12:00:14	36	0.0	8.38	3.0			
11/12/2011	12:01:54	39	0.0	8.38	3.0			

Well			Field		Job Start		Customer		Job Number	
SGU 8508C-21			Story Gulch		Nov/12/2011		Encana		BQMF-00340	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/12/2011	12:05:14	36	0.0	8.38	3.0					
11/12/2011	12:06:54	34	0.0	8.38	3.0					
11/12/2011	12:08:34	35	0.0	8.38	3.0					
11/12/2011	12:10:14	34	0.0	8.38	3.0					
11/12/2011	12:11:54	35	0.0	8.38	3.0					
11/12/2011	12:13:34	35	0.0	8.38	3.0					
11/12/2011	12:15:14	35	0.0	8.38	3.0					
11/12/2011	12:16:54	34	0.0	8.38	3.0					
11/12/2011	12:17:49					Start Pumping Spacer				
11/12/2011	12:17:49	128	4.1	8.48	3.4					
11/12/2011	12:17:50					50 bbl MUDPUSH II				
11/12/2011	12:17:50	120	4.1	8.63	3.5					
11/12/2011	12:18:34	112	3.5	9.95	6.1					
11/12/2011	12:20:14	172	5.3	9.99	12.9					
11/12/2011	12:21:54	141	5.4	10.07	21.8					
11/12/2011	12:23:04					Good returns				
11/12/2011	12:23:04	144	5.4	10.14	28.1					
11/12/2011	12:23:34	143	5.3	10.13	30.8					
11/12/2011	12:25:14	147	5.4	10.16	39.7					
11/12/2011	12:26:37					End Spacer				
11/12/2011	12:26:37	193	5.4	10.71	47.2					
11/12/2011	12:26:41					Start Cement Slurry				
11/12/2011	12:26:41	215	5.4	10.72	47.5					
11/12/2011	12:26:43					Start Mixing Scav Slurry				
11/12/2011	12:26:43	169	5.4	10.74	47.7					
11/12/2011	12:26:44					Bring to weight				
11/12/2011	12:26:44	169	5.4	10.74	47.8					
11/12/2011	12:26:54	169	5.4	10.77	48.7					
11/12/2011	12:27:43					End Scavenger Slurry				
11/12/2011	12:27:43	318	7.2	10.88	54.3					
11/12/2011	12:28:25					Start Mixing Lead Slurry				
11/12/2011	12:28:25	293	7.4	11.04	59.5					
11/12/2011	12:28:26					258 bbl 11.0 lead				
11/12/2011	12:28:26	284	7.4	11.04	59.6					
11/12/2011	12:28:27					Good returns				
11/12/2011	12:28:27	284	7.4	11.04	59.7					
11/12/2011	12:28:28					Took wet/dry samples				
11/12/2011	12:28:28	312	7.4	11.04	59.9					
11/12/2011	12:28:29					Wet sample=11.0 on mudscales				
11/12/2011	12:28:29	323	7.4	11.04	60.0					
11/12/2011	12:28:34	271	7.4	11.05	60.6					
11/12/2011	12:30:14	314	7.8	11.04	73.3					
11/12/2011	12:31:54	302	8.0	11.14	86.4					
11/12/2011	12:33:34	296	8.0	11.18	99.8					
11/12/2011	12:35:14	296	8.0	11.08	113.1					
11/12/2011	12:36:54	316	8.0	11.10	126.5					
11/12/2011	12:38:34	319	8.0	11.07	139.8					
11/12/2011	12:40:14	316	8.0	11.06	153.2					
11/12/2011	12:41:54	335	8.0	11.06	166.5					
11/12/2011	12:43:34	322	8.0	11.08	179.9					
11/12/2011	12:45:14	320	8.1	11.08	193.4					
11/12/2011	12:46:54	338	8.0	11.09	206.8					
11/12/2011	12:48:34	314	8.0	11.09	220.2					
11/12/2011	12:50:14	317	8.0	11.07	233.5					

Well			Field		Job Start		Customer		Job Number	
SGU 8508C-21			Story Gulch		Nov/12/2011		Encana		BQMF-00340	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/12/2011	12:53:34	328	8.0	11.06	260.2					
11/12/2011	12:55:14	336	8.0	11.08	273.6					
11/12/2011	12:57:04					End Lead Slurry				
11/12/2011	12:57:04	328	8.0	11.09	288.4					
11/12/2011	12:58:34	324	8.0	11.09	300.4					
11/12/2011	13:00:14	340	8.0	11.47	313.9					
11/12/2011	13:00:58					Start Mixing Scav Slurry				
11/12/2011	13:00:58	334	8.0	11.54	319.7					
11/12/2011	13:01:28					Bring to weight				
11/12/2011	13:01:28	359	8.0	11.91	323.7					
11/12/2011	13:01:54	367	8.0	12.00	327.2					
11/12/2011	13:02:46					Start Mixing Tail Slurry				
11/12/2011	13:02:46	404	7.9	12.37	334.0					
11/12/2011	13:02:48					81 bbl 12.5 tail				
11/12/2011	13:02:48	401	7.9	12.38	334.3					
11/12/2011	13:03:00					Good returns				
11/12/2011	13:03:00	407	7.9	12.39	335.9					
11/12/2011	13:03:31					Took wet/dry samples				
11/12/2011	13:03:31	401	7.9	12.40	340.0					
11/12/2011	13:03:34					Wet sample=12.5 on mudscales				
11/12/2011	13:03:34	401	7.9	12.40	340.4					
11/12/2011	13:05:14	432	7.9	12.50	353.5					
11/12/2011	13:06:54	431	7.9	12.59	366.7					
11/12/2011	13:08:34	437	7.9	12.65	379.8					
11/12/2011	13:08:53					End Tail Slurry				
11/12/2011	13:08:53	446	7.9	12.64	382.3					
11/12/2011	13:10:14	451	7.9	12.65	393.0					
11/12/2011	13:10:54					End Cement Slurry				
11/12/2011	13:10:54	427	7.9	12.66	398.2					
11/12/2011	13:11:54	181	5.1	12.54	403.9					
11/12/2011	13:13:34	163	5.1	12.10	412.3					
11/12/2011	13:15:14	-9	0.0	8.38	413.8					
11/12/2011	13:16:54	13	0.0	8.38	413.8					
11/12/2011	13:17:42					Drop Top Plug				
11/12/2011	13:17:42	-1	0.5	8.38	413.8					
11/12/2011	13:17:43					Start Displacement				
11/12/2011	13:17:43	8	0.7	8.38	413.8					
11/12/2011	13:18:34	95	5.1	8.52	416.7					
11/12/2011	13:20:14	240	8.0	8.60	427.0					
11/12/2011	13:21:54	224	8.0	8.36	440.3					
11/12/2011	13:21:55					Displace 162 bbl H2O				
11/12/2011	13:21:55	224	8.0	8.36	440.5					
11/12/2011	13:22:09					Good returns				
11/12/2011	13:22:09	221	8.0	8.38	442.3					
11/12/2011	13:23:34	243	8.0	8.38	453.6					
11/12/2011	13:24:09					110 bbl cement to surface				
11/12/2011	13:24:09	256	8.0	8.38	458.3					
11/12/2011	13:25:14	281	8.0	8.38	466.9					
11/12/2011	13:26:54	314	8.0	8.37	480.2					
11/12/2011	13:28:34	342	7.9	8.37	493.4					
11/12/2011	13:30:14	386	7.9	8.37	506.6					
11/12/2011	13:31:54	373	7.8	8.38	519.8					
11/12/2011	13:33:34	435	7.8	8.38	532.9					
11/12/2011	13:35:14	457	7.8	8.38	546.0					

Well			Field		Job Start		Customer		Job Number	
SGU 8508C-21			Story Gulch		Nov/12/2011		Encana		BQMF-00340	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/12/2011	13:38:34	452	5.0	8.38	568.3					
11/12/2011	13:40:14	309	2.0	8.38	573.5					
11/12/2011	13:41:54	323	2.0	8.38	576.8					
11/12/2011	13:43:34	982	0.7	8.38	579.8					
11/12/2011	13:43:43					End Displacement				
11/12/2011	13:43:43					Bump Top Plug				
11/12/2011	13:43:43	978	0.0	8.38	579.8					
11/12/2011	13:43:45					Bumped plug @ 1000 PSI				
11/12/2011	13:43:45	974	0.0	8.38	579.8					
11/12/2011	13:44:04					Holding for 5 minutes				
11/12/2011	13:44:04	975	0.0	8.38	579.8					
11/12/2011	13:45:14	975	0.0	8.38	579.8					
11/12/2011	13:46:54	975	0.0	8.38	579.8					
11/12/2011	13:48:34	62	0.0	8.38	579.8					
11/12/2011	13:48:38					Float held				
11/12/2011	13:48:38	-13	0.0	8.38	579.8					
11/12/2011	13:48:58					1 bbl back				
11/12/2011	13:48:58	-12	0.0	8.38	579.8					
11/12/2011	13:49:42					End Job				
11/12/2011	13:49:42	-10	0.0	8.38	579.8					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 6.9	N2	Mud 0.0	Maximum Rate 8.1		Total Slurry 339.0	Mud 0.0	Spacer 49.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 3323	Final -10	Average 323	Bump Plug to 1000	Breakdown	Type		Volume		Density		
Avg. N2 Percent		Designed Slurry Volume 339.0 bbl		Displacement 162.0 bbl		Mix Water Temp 61 degF		Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume 110.0 bbl	
								Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative Mike Quintana				Schlumberger Supervisor Matt Fair/Chuck Rogers				Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-	



Service Order #:	
Date:	Nov/12/2011
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Matt Fair/Chuck Rogers
Schlumberger FSM:	

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

2	Design / Preparation					
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2b	Equipment maintenance schedule completed / Green tagged	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2c	All materials and equipment required for job/contingency checked & on location	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2d	Safety / pre-job meeting conducted with all involved present	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
					Sub-total	100%

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	10
Sub-total					100%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: