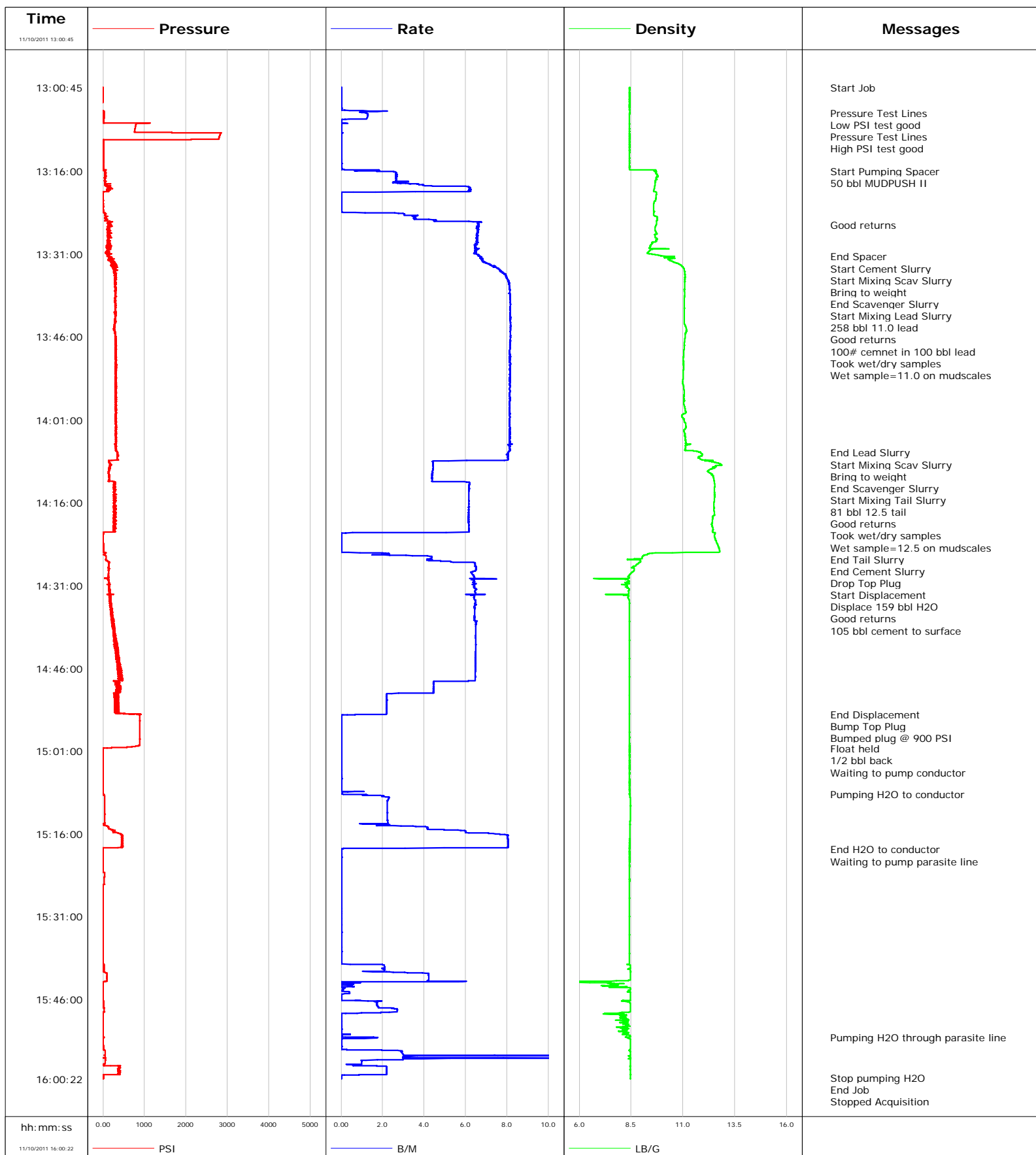


Well SGU 8508D
Field Story Gulch
Engineer Matt Fair/Ted Hansen
Country United States

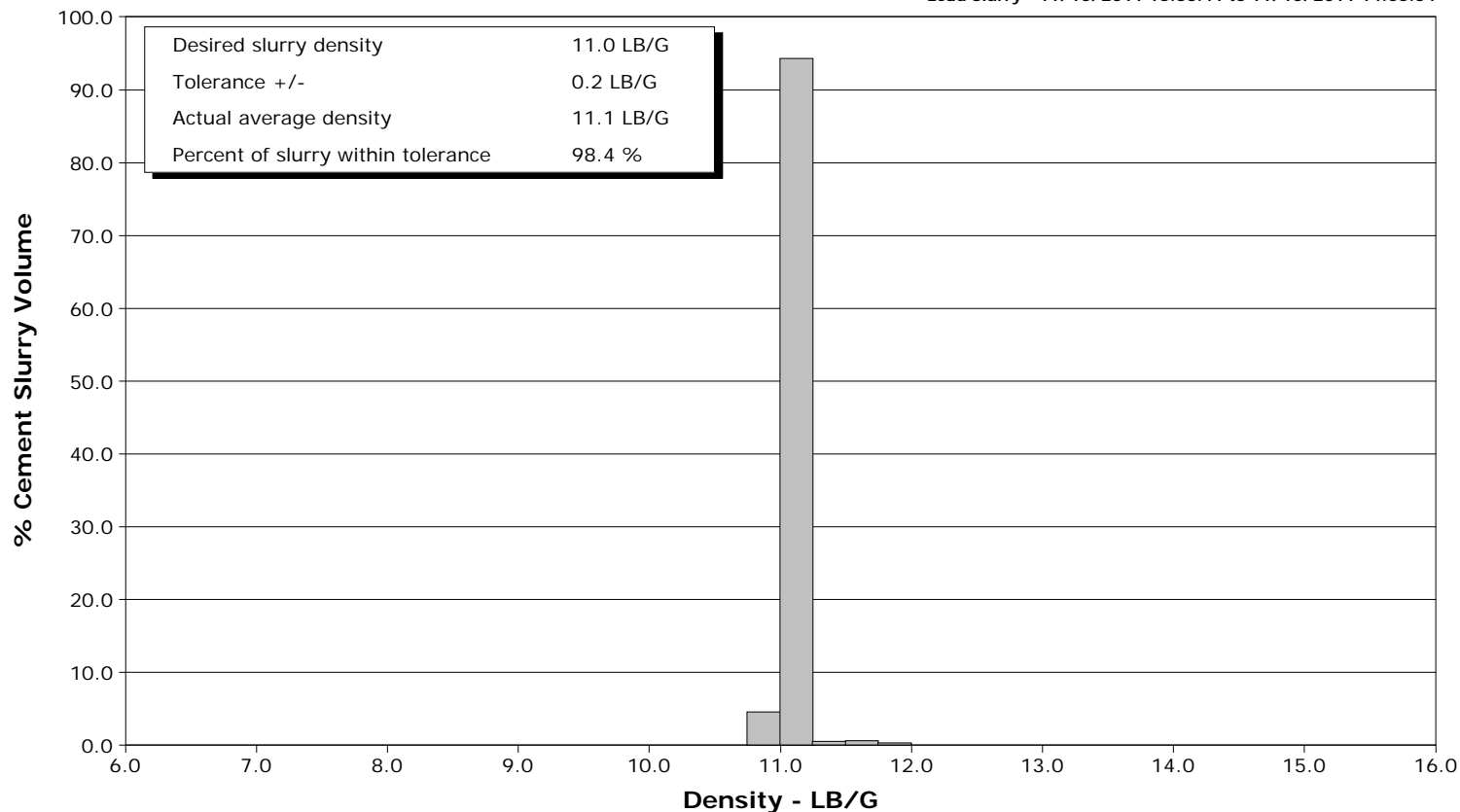
Client Encana
SIR No. BQMF-00339
Job Type 9 5/8 Surface
Job Date 11-10-2011



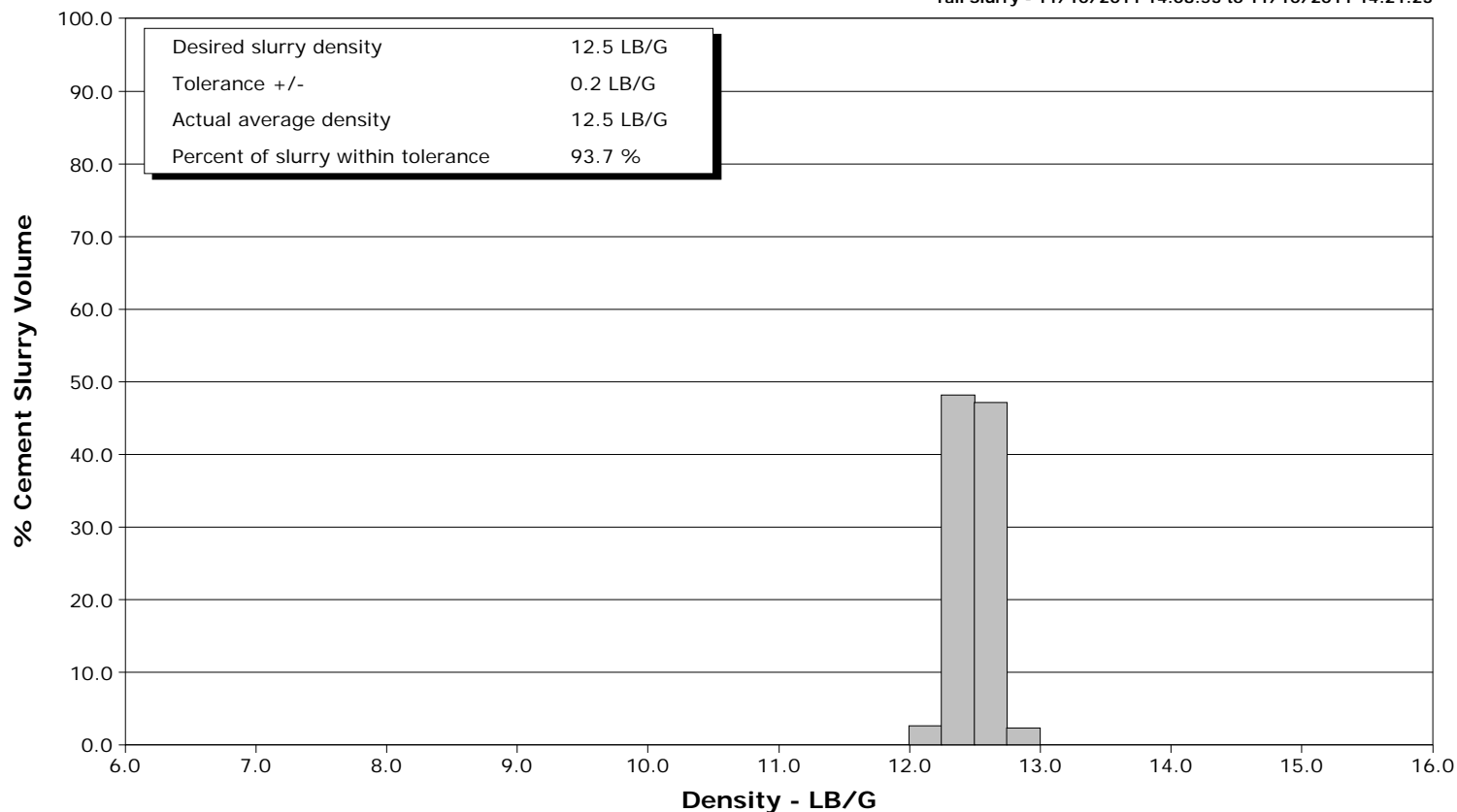
Well SGU 8508D
Field Story Gulch
Engineer Matt Fair/Ted Hansen
Country United States

Client Encana
SIR No. BQMF-00339
Job Type 9 5/8 Surface
Job Date 11-10-2011

Lead Slurry - 11/10/2011 13:33:41 to 11/10/2011 14:06:54



Tail Slurry - 11/10/2011 14:08:53 to 11/10/2011 14:21:23





Cementing Service Report

				Customer Encana		Job Number BQMF-00339		
Well SGU 8508D			Location (legal)		Schlumberger Location Grand Junction, Colorado		Job Start Nov/10/2011	
Field Story Gulch		Formation Name/Type Shale		Deviation	Bit Size 14.8 in	Well MD 2096.0 ft		Well TVD 2096.0 ft
County Garfield		State/Province Colorado		BHP	BHST 110 degF	BHCT 91 degF	Pore Press. Gradient	
Well Master 0631277938		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	100.0	K55	N/A	
			2096.0	9.630	36.0	K55	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 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 159.0 bbl		Packer Type		Packer Depth		
Tubing Vol.		Casing Vol. 163.0 bbl		Annular Vol. 271.0 bbl		Openhole Vol. 450.0 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 1037 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2096.0 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/10/2011 12:00		Arrived on Location Nov/10/2011 12:00	Leave Location Nov/10/2011 18:00	Collar Type Float		Tail Pipe Depth		
				Collar Depth 2051.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/10/2011	12:25:06					Started Acquisition		
11/10/2011	12:25:08					Rig up per STD 5		
11/10/2011	12:25:08					Safety meeting		
11/10/2011	13:00:45	-10	0.0	8.43	0.0			
11/10/2011	13:00:47					Start Job		
11/10/2011	13:00:47	-10	0.0	8.43	0.0			
11/10/2011	13:01:46	-10	0.0	8.43	0.0			
11/10/2011	13:03:26	-11	0.0	8.43	0.0			
11/10/2011	13:05:06	10	2.2	8.43	0.2			
11/10/2011	13:05:25					Pressure Test Lines		
11/10/2011	13:05:25	13	1.2	8.43	0.6			
11/10/2011	13:05:26					Low PSI test good		
11/10/2011	13:05:26	13	1.2	8.43	0.6			
11/10/2011	13:06:46	1	0.0	8.43	2.1			
11/10/2011	13:07:28					Pressure Test Lines		
11/10/2011	13:07:28	800	0.0	8.43	2.1			
11/10/2011	13:07:29					High PSI test good		
11/10/2011	13:07:29	799	0.0	8.43	2.1			
11/10/2011	13:08:26	768	0.0	8.43	2.1			
11/10/2011	13:10:06	2789	0.0	8.43	2.2			
11/10/2011	13:11:46	3	0.0	8.43	2.2			

Well			Field		Job Start		Customer		Job Number	
SGU 8508D			Story Gulch		Nov/10/2011		Encana		BQMF-00339	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/10/2011	13:15:06	1	0.0	8.43	2.2					
11/10/2011	13:15:57					Start Pumping Spacer				
11/10/2011	13:15:57	56	1.7	9.60	2.5					
11/10/2011	13:15:59					50 bbl MUDPUSH II				
11/10/2011	13:15:59	39	2.0	9.66	2.6					
11/10/2011	13:16:46	67	2.7	9.75	4.7					
11/10/2011	13:18:26	50	4.0	9.65	9.3					
11/10/2011	13:20:06	-4	0.0	9.72	16.8					
11/10/2011	13:21:46	1	0.0	9.61	16.8					
11/10/2011	13:23:26	3	0.3	9.61	16.8					
11/10/2011	13:25:06	161	6.4	9.73	22.6					
11/10/2011	13:25:42					Good returns				
11/10/2011	13:25:42	136	6.6	9.71	26.6					
11/10/2011	13:26:46	182	6.6	9.66	33.6					
11/10/2011	13:28:26	154	6.5	9.71	44.6					
11/10/2011	13:30:06	168	6.6	9.59	55.4					
11/10/2011	13:31:22					End Spacer				
11/10/2011	13:31:22	98	6.7	10.22	63.7					
11/10/2011	13:31:26					Start Cement Slurry				
11/10/2011	13:31:26	141	6.7	10.56	64.1					
11/10/2011	13:31:28					Start Mixing Scav Slurry				
11/10/2011	13:31:28	165	6.7	10.40	64.3					
11/10/2011	13:31:32					Bring to weight				
11/10/2011	13:31:32	159	6.8	10.14	64.8					
11/10/2011	13:31:46	191	6.8	10.56	66.4					
11/10/2011	13:33:26	285	7.5	11.01	78.1					
11/10/2011	13:33:40					End Scavenger Slurry				
11/10/2011	13:33:40	275	7.6	11.05	79.9					
11/10/2011	13:33:41					Start Mixing Lead Slurry				
11/10/2011	13:33:41	310	7.6	11.05	80.0					
11/10/2011	13:33:45					258 bbl 11.0 lead				
11/10/2011	13:33:45	239	7.6	11.05	80.5					
11/10/2011	13:33:56					Good returns				
11/10/2011	13:33:56	300	7.7	11.06	81.9					
11/10/2011	13:34:01					100# cemnet in 100 bbl lead				
11/10/2011	13:34:01	263	7.7	11.06	82.5					
11/10/2011	13:35:06	294	8.0	11.10	91.0					
11/10/2011	13:36:46					Took wet/dry samples				
11/10/2011	13:36:46					Wet sample=11.0 on mudscales				
11/10/2011	13:36:46	292	8.1	11.08	104.5					
11/10/2011	13:38:26	296	8.1	11.08	118.0					
11/10/2011	13:40:06	294	8.1	11.06	131.6					
11/10/2011	13:41:46	285	8.1	11.07	145.2					
11/10/2011	13:43:26	286	8.2	11.06	158.7					
11/10/2011	13:45:06	296	8.1	11.16	172.3					
11/10/2011	13:46:46	303	8.1	11.08	185.9					
11/10/2011	13:48:26	303	8.1	11.04	199.5					
11/10/2011	13:50:06	303	8.1	11.02	213.0					
11/10/2011	13:51:46	309	8.2	11.03	226.6					
11/10/2011	13:55:06	318	8.1	11.04	253.7					
11/10/2011	13:56:46	306	8.1	11.05	267.3					
11/10/2011	13:58:26	298	8.1	11.06	280.8					
11/10/2011	14:00:06	313	8.1	10.96	294.4					
11/10/2011	14:01:46	317	8.1	11.13	307.9					

Well			Field		Job Start		Customer		Job Number	
SGU 8508D			Story Gulch		Nov/10/2011		Encana		BQMF-00339	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/10/2011	14:05:06	312	8.1	11.15	335.0					
11/10/2011	14:06:46	342	8.1	11.71	348.5					
11/10/2011	14:06:54					End Lead Slurry				
11/10/2011	14:06:54	349	8.0	11.85	349.6					
11/10/2011	14:07:00					Start Mixing Scav Slurry				
11/10/2011	14:07:00	345	8.1	11.84	350.4					
11/10/2011	14:07:04					Bring to weight				
11/10/2011	14:07:04	354	8.0	11.87	350.9					
11/10/2011	14:08:26	132	5.2	12.10	361.8					
11/10/2011	14:08:52					End Scavenger Slurry				
11/10/2011	14:08:52	164	4.4	12.71	363.7					
11/10/2011	14:08:53					Start Mixing Tail Slurry				
11/10/2011	14:08:53	175	4.4	12.71	363.8					
11/10/2011	14:08:55					81 bbl 12.5 tail				
11/10/2011	14:08:55	163	4.4	12.76	363.9					
11/10/2011	14:09:19					Good returns				
11/10/2011	14:09:19	183	4.4	12.58	365.7					
11/10/2011	14:10:06	141	4.4	12.27	369.2					
11/10/2011	14:10:44					Took wet/dry samples				
11/10/2011	14:10:44					Wet sample=12.5 on mudscales				
11/10/2011	14:10:44	130	4.4	12.35	372.0					
11/10/2011	14:11:46	150	4.4	12.49	376.5					
11/10/2011	14:13:26	251	6.2	12.51	386.0					
11/10/2011	14:15:06	301	6.2	12.52	396.3					
11/10/2011	14:16:46	259	6.2	12.50	406.5					
11/10/2011	14:18:26	261	6.1	12.44	416.8					
11/10/2011	14:20:06	284	6.2	12.40	427.0					
11/10/2011	14:21:23					End Tail Slurry				
11/10/2011	14:21:23	44	6.1	12.43	434.9					
11/10/2011	14:21:27					End Cement Slurry				
11/10/2011	14:21:27	1	1.6	12.56	435.2					
11/10/2011	14:21:46	-1	0.0	12.52	435.2					
11/10/2011	14:23:26	0	0.0	12.65	435.2					
11/10/2011	14:24:27					Drop Top Plug				
11/10/2011	14:24:27	3	0.0	12.75	435.2					
11/10/2011	14:24:28					Start Displacement				
11/10/2011	14:24:28	2	0.0	12.75	435.2					
11/10/2011	14:25:06	73	1.1	10.20	435.3					
11/10/2011	14:26:46	143	5.4	8.94	441.6					
11/10/2011	14:28:26	133	6.4	8.62	452.4					
11/10/2011	14:28:47					Displace 159 bbl H2O				
11/10/2011	14:28:47	136	6.3	8.49	454.6					
11/10/2011	14:28:58					Good returns				
11/10/2011	14:28:58	140	6.3	8.44	455.7					
11/10/2011	14:30:06	128	6.4	8.35	463.0					
11/10/2011	14:31:46	158	6.5	8.42	473.7					
11/10/2011	14:33:26	175	6.4	8.38	484.4					
11/10/2011	14:35:06	185	6.4	8.43	495.2					
11/10/2011	14:36:46	211	6.4	8.43	505.9					
11/10/2011	14:38:06					105 bbl cement to surface				
11/10/2011	14:38:06	265	6.5	8.42	514.6					
11/10/2011	14:38:26	251	6.5	8.43	516.7					
11/10/2011	14:40:06	312	6.5	8.43	527.5					
11/10/2011	14:41:46	352	6.5	8.43	538.3					

Well			Field		Job Start	Customer	Job Number
SGU 8508D			Story Gulch		Nov/10/2011	Encana	BQMF-00339
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/10/2011	14:45:06	395	6.5	8.42	559.9		
11/10/2011	14:46:46	438	6.5	8.43	570.7		
11/10/2011	14:48:26	297	4.5	8.43	581.3		
11/10/2011	14:50:06	385	4.5	8.43	588.7		
11/10/2011	14:51:46	378	2.2	8.42	593.4		
11/10/2011	14:53:26	281	2.2	8.42	597.0		
11/10/2011	14:54:24					End Displacement	
11/10/2011	14:54:24	886	0.7	8.43	599.1		
11/10/2011	14:54:25					Bump Top Plug	
11/10/2011	14:54:25	880	0.7	8.43	599.1		
11/10/2011	14:54:26					Bumped plug @ 900 PSI	
11/10/2011	14:54:26	880	0.3	8.43	599.1		
11/10/2011	14:55:06	884	0.0	8.43	599.2		
11/10/2011	14:56:46	884	0.0	8.43	599.2		
11/10/2011	14:58:26	886	0.0	8.43	599.2		
11/10/2011	15:00:06	813	0.0	8.43	599.2		
11/10/2011	15:00:33					Float held	
11/10/2011	15:00:33	-4	0.0	8.43	599.2		
11/10/2011	15:00:46					1/2 bbl back	
11/10/2011	15:00:46	-3	0.0	8.43	599.2		
11/10/2011	15:01:46					Waiting to pump conductor	
11/10/2011	15:01:46	-3	0.0	8.43	599.2		
11/10/2011	15:03:26	-3	0.0	8.43	599.2		
11/10/2011	15:05:06	-3	0.0	8.43	599.3		
11/10/2011	15:06:46	-3	0.0	8.43	599.3		
11/10/2011	15:08:26	-4	0.1	8.43	599.4		
11/10/2011	15:08:54					Pumping H2O to conductor	
11/10/2011	15:08:54	15	1.2	8.43	599.4		
11/10/2011	15:10:06	39	2.2	8.46	601.9		
11/10/2011	15:11:46	39	2.2	8.46	605.6		
11/10/2011	15:13:26	38	2.2	8.45	609.3		
11/10/2011	15:15:06	137	4.2	8.43	613.9		
11/10/2011	15:16:46	464	8.0	8.43	625.3		
11/10/2011	15:18:26	464	8.0	8.43	638.7		
11/10/2011	15:18:48					End H2O to conductor	
11/10/2011	15:18:48	-2	0.0	8.43	639.8		
11/10/2011	15:19:06					Waiting to pump parasite line	
11/10/2011	15:19:06	-1	0.0	8.43	639.8		
11/10/2011	15:20:06	-2	0.0	8.43	639.8		
11/10/2011	15:21:46	-2	0.0	8.43	639.8		
11/10/2011	15:23:26	37	0.0	8.43	639.9		
11/10/2011	15:25:06	32	0.0	8.43	639.9		
11/10/2011	15:26:46	-4	0.0	8.43	639.9		
11/10/2011	15:28:26	-4	0.0	8.42	639.9		
11/10/2011	15:30:06	-5	0.0	8.43	640.0		
11/10/2011	15:31:46	-3	0.0	8.43	640.0		
11/10/2011	15:33:26	-4	0.0	8.43	640.0		
11/10/2011	15:35:06	-4	0.0	8.43	640.0		
11/10/2011	15:36:46	-4	0.0	8.43	640.1		
11/10/2011	15:38:26	-4	0.0	8.42	640.1		
11/10/2011	15:40:06	17	2.1	8.46	641.1		
11/10/2011	15:41:46	103	4.2	8.46	645.8		
11/10/2011	15:43:26	-5	0.3	7.82	650.5		
11/10/2011	15:45:06	-5	0.0	8.46	650.8		

Well			Field		Job Start	Customer	Job Number
SGU 8508D			Story Gulch		Nov/10/2011	Encana	BQMF-00339
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/10/2011	15:48:26	-4	1.0	7.97	655.4		
11/10/2011	15:50:06	-7	0.0	8.26	655.5		
11/10/2011	15:51:46	-1	0.0	7.90	655.5		
11/10/2011	15:52:51					Pumping H2O through parasite line	
11/10/2011	15:52:51	13	1.7	8.27	655.6		
11/10/2011	15:53:26	-1	0.0	8.45	656.0		
11/10/2011	15:55:06	22	0.3	8.44	656.0		
11/10/2011	15:56:46	52	3.0	8.43	662.2		
11/10/2011	15:58:26	408	2.2	8.45	664.6		
11/10/2011	16:00:06	3	0.0	8.46	667.3		
11/10/2011	16:00:10					Stop pumping H2O	
11/10/2011	16:00:10	4	0.0	8.46	667.3		
11/10/2011	16:00:20					End Job	
11/10/2011	16:00:20	4	0.0	8.46	667.3		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 3.9	N2		Mud 0.0	Maximum Rate 14.8	Total Slurry 337.3	Mud 0.0	Spacer 50.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 2847	Final 4	Average 268	Bump Plug to 1300	Breakdown	Type		Volume		Density	
Avg. N2 Percent		Designed Slurry Volume 337.0 bbl		Displacement 159.7 bbl		Mix Water Temp 67 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 105.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>		To		
Customer or Authorized Representative Mike Quintana			Schlumberger Supervisor Matt Fair/Ted Hansen			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>			
						-		-		



Service Quality Evaluation

Client:	Encana
Field:	Story Gulch
Rig:	Patterson 306
Well:	SGU 8508D
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	Nov/10/2011
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Matt Fair/Ted Hansen
Schlumberger FSM:	

Main Objective:

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

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1b	Free of environmental spill or non-compliant discharge	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1c	Free of RIRs	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1d	Wellsite left clean	4	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	4
Sub-total					100%

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

3	Execution				
3a	Lost time < 30 mins	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3b	Equipment pressure tested succesfully	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3d	Plugs / darts released and tested succesfully	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3e	Density variation met expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3f	Personnel performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3g	Equipment performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3h	Job pumped per design	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3i	Did job start on time	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
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%

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: