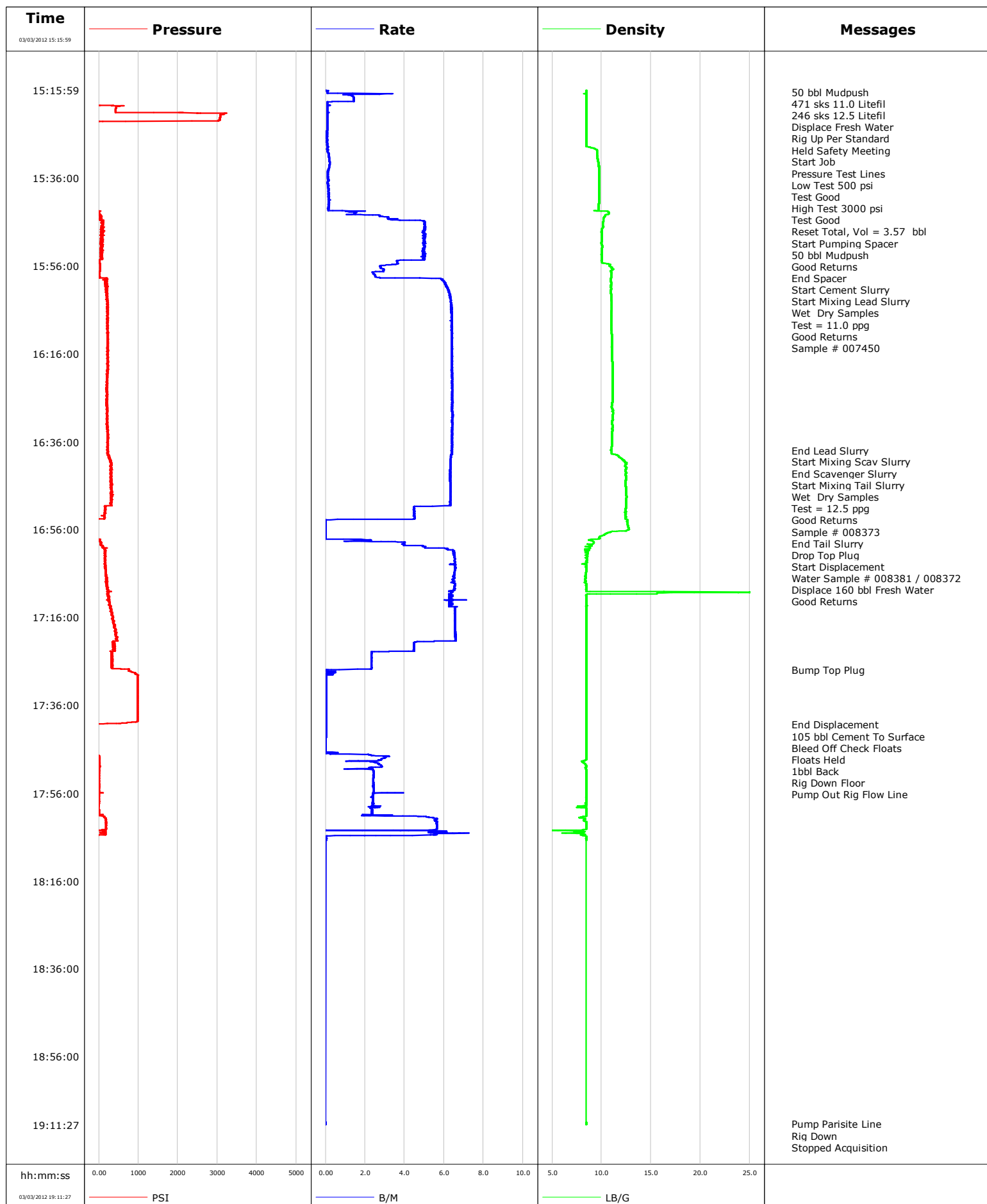


Well	SGU 8511C-22 N22 496	Client	Encana
Field	Story Gulch	SIR No.	
Engineer		Job Type	9 5/8 Surface
Country	United States	Job Date	03-03-2012

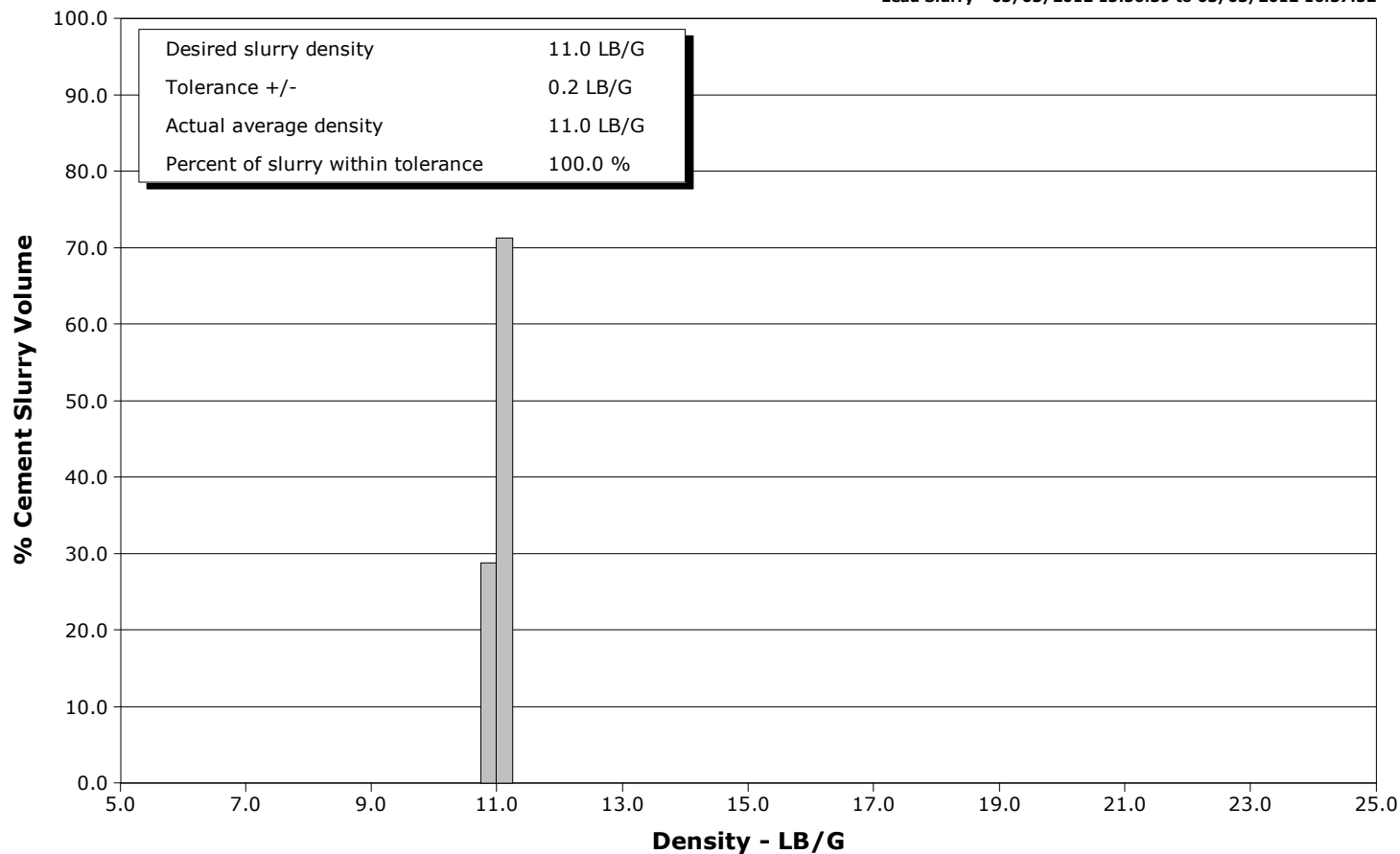


Schlumberger Cementing Qa/Qc Density Report

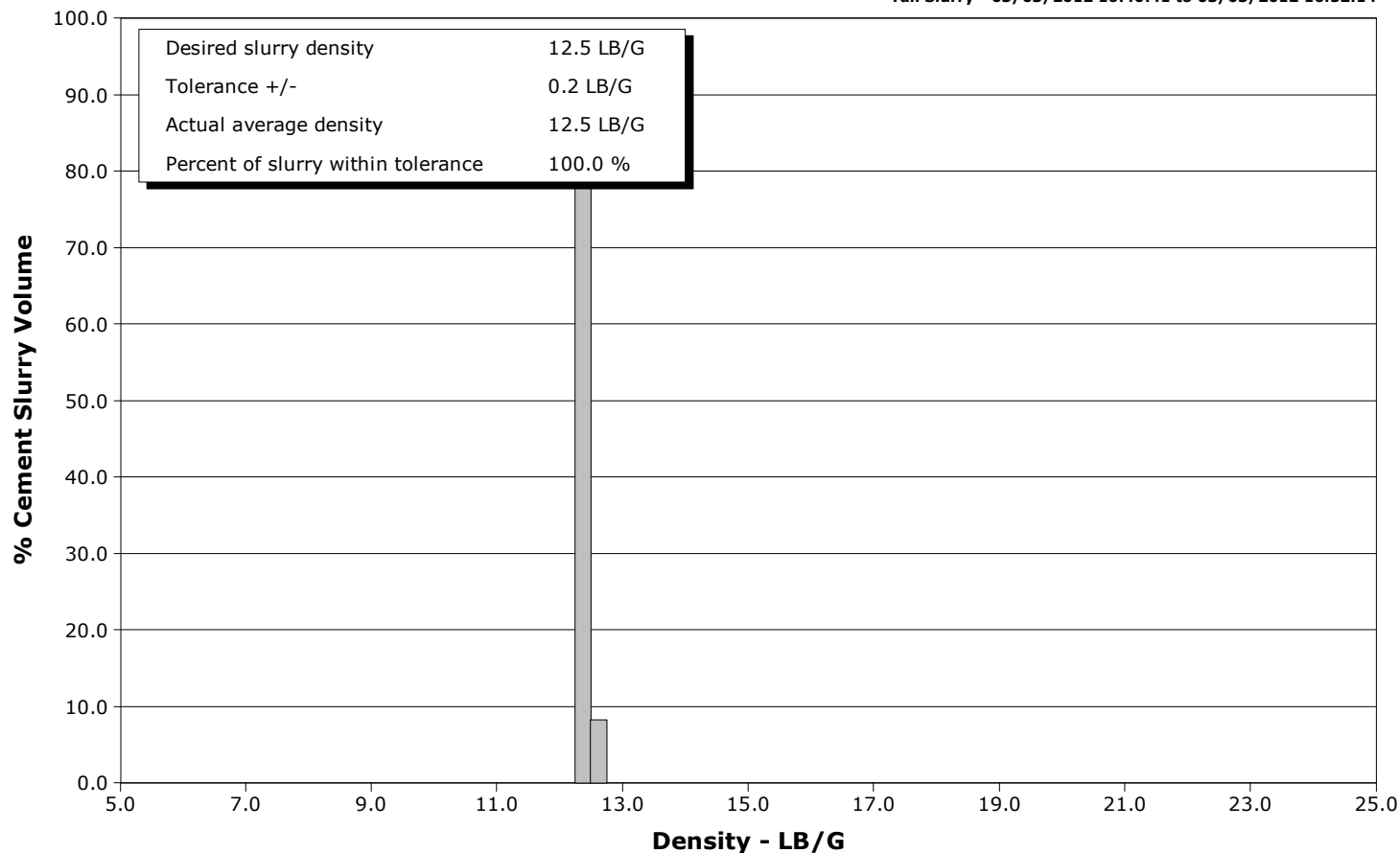
Well SGU 8511C-22 N22 496
Field Story Gulch
Engineer
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 03-03-2012

Lead Slurry - 03/03/2012 15:56:39 to 03/03/2012 16:37:52



Tail Slurry - 03/03/2012 16:40:41 to 03/03/2012 16:52:14





Cementing Service Report

				Customer Encana			Job Number C037-00055									
Well SGU 8511C-22 N22 496 SGU 8511C-22 N22 496				Location (legal)			Schlumberger Location GCO			Job Start Mar/03/2012						
Field Story Gulch			Formation Name/Type Shale			Deviation		Bit Size		Well MD		Well TVD				
County Garfield			State/Province Colorado			BHP		BHST		BHCT		Pore Press. Gradient				
Well Master			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		2108.0		9.630		36.0		K55		8RD		
						0.0		0.000		0.0						
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 159.0 bbl		Packer Type		Packer Depth				
						Tubing Vol.		Casing Vol. 161.0 bbl		Annular Vol. 258.0 bbl		Openhole Vol. 422.0 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				Shoe Type Float				Squeeze Type								
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2108.0 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 Mar/03/2012		Arrived on Location Mar/03/2012		Leave Location Mar/03/2012		Collar Type 2068				Tail Pipe Depth						
						Collar Depth				Sqz. Total Vol.						
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message										
03/03/2012	14:25:49					Started Acquisition										
03/03/2012	15:15:59	-60	0.0	8.45	0.0											
03/03/2012	15:16:21					50 bbl Mudpush										
03/03/2012	15:16:21					471 sks 11.0 Litefil										
03/03/2012	15:16:21	-60	0.1	8.46	0.0											
03/03/2012	15:16:22					246 sks 12.5 Litefil										
03/03/2012	15:16:22					Displace Fresh Water										
03/03/2012	15:16:22	-60	0.1	8.45	0.0											
03/03/2012	15:16:23					Rig Up Per Standard										
03/03/2012	15:16:23					Held Safety Meeting										
03/03/2012	15:16:23	-60	0.1	8.45	0.0											
03/03/2012	15:17:00					Start Job										
03/03/2012	15:17:00	-27	0.9	8.45	0.7											
03/03/2012	15:17:17					Pressure Test Lines										
03/03/2012	15:17:17	-28	1.4	8.45	1.0											
03/03/2012	15:17:49	-28	1.4	8.45	1.7											
03/03/2012	15:19:49	434	0.1	8.45	3.0											
03/03/2012	15:21:49	3072	0.1	8.45	3.2											
03/03/2012	15:23:49	-53	0.1	8.45	3.3											
03/03/2012	15:24:56					Low Test 500 psi										
03/03/2012	15:24:56					Test Good										

Well			Field		Job Start		Customer		Job Number	
SGU 8511C-22 N22 496 SGU 8511C-22 N22 496			Story Gulch		Mar/03/2012		Encana		C0J7-00055	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/03/2012	15:24:56	-31	0.1	8.45	3.4					
03/03/2012	15:24:57					Test Good				
03/03/2012	15:24:57	-31	0.1	8.45	3.4					
03/03/2012	15:25:49	-31	0.1	8.45	3.5					
03/03/2012	15:26:46					Reset Total, Vol = 3.57 bbl				
03/03/2012	15:26:46	-32	0.1	8.45	3.6					
03/03/2012	15:27:49	-27	0.1	8.45	3.6					
03/03/2012	15:29:49	-32	0.1	9.55	3.8					
03/03/2012	15:31:49	-31	0.2	9.62	4.1					
03/03/2012	15:33:49	-32	0.2	9.74	4.5					
03/03/2012	15:35:49	-31	0.1	9.75	4.8					
03/03/2012	15:37:49	-31	0.2	9.74	5.0					
03/03/2012	15:39:49	-31	0.1	9.73	5.3					
03/03/2012	15:41:49	-31	0.2	9.71	5.6					
03/03/2012	15:43:49	6	1.5	10.73	6.4					
03/03/2012	15:43:55					Start Pumping Spacer				
03/03/2012	15:43:55	9	1.5	10.71	6.6					
03/03/2012	15:43:56					50 bbl Mudpush				
03/03/2012	15:43:56					Good Returns				
03/03/2012	15:43:56	-6	1.5	10.71	6.6					
03/03/2012	15:45:49	80	5.0	10.15	12.1					
03/03/2012	15:47:49	79	5.0	10.01	22.1					
03/03/2012	15:49:49	84	5.0	10.02	32.1					
03/03/2012	15:51:49	60	5.0	10.05	42.1					
03/03/2012	15:52:34					End Spacer				
03/03/2012	15:52:34	97	5.0	10.02	45.9					
03/03/2012	15:53:49	92	4.9	10.02	52.1					
03/03/2012	15:55:49	28	3.0	10.83	60.4					
03/03/2012	15:56:38					Start Cement Slurry				
03/03/2012	15:56:38	31	2.9	11.03	62.7					
03/03/2012	15:56:39					Start Mixing Lead Slurry				
03/03/2012	15:56:39	30	2.9	11.03	62.7					
03/03/2012	15:56:40					Wet Dry Samples				
03/03/2012	15:56:40					Test = 11.0 ppg				
03/03/2012	15:56:40					Good Returns				
03/03/2012	15:56:40					Sample # 007450				
03/03/2012	15:56:40	30	2.9	11.05	62.8					
03/03/2012	15:57:49	10	2.4	10.98	65.9					
03/03/2012	15:59:49	197	6.1	10.95	74.5					
03/03/2012	16:01:49	192	6.2	10.91	86.8					
03/03/2012	16:03:49	209	6.4	10.98	99.4					
03/03/2012	16:05:49	222	6.4	11.00	112.1					
03/03/2012	16:07:49	215	6.4	10.97	124.9					
03/03/2012	16:09:49	217	6.4	10.95	137.6					
03/03/2012	16:11:49	227	6.4	11.05	150.4					
03/03/2012	16:13:49	217	6.4	11.05	163.2					
03/03/2012	16:15:49	219	6.4	11.05	176.0					
03/03/2012	16:17:49	214	6.4	11.08	188.8					
03/03/2012	16:19:49	224	6.4	11.10	201.5					
03/03/2012	16:21:49	201	6.4	11.12	214.3					
03/03/2012	16:23:49	205	6.4	11.12	227.1					
03/03/2012	16:25:49	204	6.4	11.11	240.0					
03/03/2012	16:27:49	198	6.4	11.04	252.8					
03/03/2012	16:29:49	212	6.4	11.13	265.6					

Well			Field		Job Start		Customer		Job Number	
SGU 8511C-22 N22 496 SGU 8511C-22 N22 496			Story Gulch		Mar/03/2012		Encana		C0J7-00055	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/03/2012	16:33:49	214	6.4	11.07	291.2					
03/03/2012	16:35:49	217	6.4	11.04	304.0					
03/03/2012	16:37:49	232	6.4	11.00	316.8					
03/03/2012	16:37:52					End Lead Slurry				
03/03/2012	16:37:52	226	6.4	10.92	317.1					
03/03/2012	16:38:01					Start Mixing Scav Slurry				
03/03/2012	16:38:01	219	6.4	10.99	318.1					
03/03/2012	16:39:49	255	6.3	12.00	329.6					
03/03/2012	16:40:40					End Scavenger Slurry				
03/03/2012	16:40:40	290	6.3	12.41	334.9					
03/03/2012	16:40:41					Start Mixing Tail Slurry				
03/03/2012	16:40:41	296	6.3	12.45	335.0					
03/03/2012	16:41:49	318	6.3	12.49	342.2					
03/03/2012	16:43:49					Wet Dry Samples				
03/03/2012	16:43:49					Test = 12.5 ppg				
03/03/2012	16:43:49					Good Returns				
03/03/2012	16:43:49					Sample # 008373				
03/03/2012	16:43:49	305	6.3	12.47	354.8					
03/03/2012	16:45:49	310	6.3	12.43	367.4					
03/03/2012	16:47:49	313	6.3	12.50	380.1					
03/03/2012	16:49:49	322	6.3	12.48	392.7					
03/03/2012	16:51:49	159	4.5	12.45	403.2					
03/03/2012	16:52:14					End Tail Slurry				
03/03/2012	16:52:14	148	4.5	12.40	405.1					
03/03/2012	16:53:43					Drop Top Plug				
03/03/2012	16:53:43	-34	0.6	12.60	411.7					
03/03/2012	16:53:44					Start Displacement				
03/03/2012	16:53:44					Water Sample # 008381 / 008372				
03/03/2012	16:53:44	-34	0.6	12.63	411.7					
03/03/2012	16:53:45					Displace 160 bbl Fresh Water				
03/03/2012	16:53:45					Good Returns				
03/03/2012	16:53:45	-34	0.3	12.64	411.7					
03/03/2012	16:53:49	-34	0.0	12.64	411.7					
03/03/2012	16:55:49	-24	0.0	12.73	411.7					
03/03/2012	16:57:49	-24	0.0	9.74	411.7					
03/03/2012	16:59:49	99	4.9	8.60	417.1					
03/03/2012	17:01:49	154	6.5	8.41	429.3					
03/03/2012	17:03:49	152	6.4	8.08	442.4					
03/03/2012	17:05:49	168	6.5	8.42	455.4					
03/03/2012	17:07:49	216	6.5	8.38	468.4					
03/03/2012	17:09:49	240	6.5	8.45	481.4					
03/03/2012	17:11:49	247	6.4	8.45	494.1					
03/03/2012	17:13:49	303	6.5	8.44	506.8					
03/03/2012	17:15:49	356	6.6	8.45	519.9					
03/03/2012	17:17:49	386	6.5	8.45	533.0					
03/03/2012	17:19:49	432	6.6	8.45	546.1					
03/03/2012	17:21:49	357	4.5	8.45	558.5					
03/03/2012	17:23:49	314	2.4	8.45	567.3					
03/03/2012	17:25:49	356	2.3	8.45	572.0					
03/03/2012	17:27:49	754	2.3	8.45	576.6					
03/03/2012	17:27:57					Bump Top Plug				
03/03/2012	17:27:57	760	0.0	8.45	576.7					
03/03/2012	17:29:49	976	0.0	8.45	576.9					
03/03/2012	17:31:49	974	0.0	8.45	577.0					

Well			Field		Job Start		Customer		Job Number	
SGU 8511C-22 N22 496 SGU 8511C-22 N22 496			Story Gulch		Mar/03/2012		Encana		C0J7-00055	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/03/2012	17:35:49	976	0.0	8.45	577.2					
03/03/2012	17:37:49	975	0.0	8.45	577.2					
03/03/2012	17:39:49	908	0.0	8.45	577.3					
03/03/2012	17:40:21					End Displacement				
03/03/2012	17:40:21	-46	0.0	8.45	577.3					
03/03/2012	17:40:24					105 bbl Cement To Surface				
03/03/2012	17:40:24					Bleed Off Check Floats				
03/03/2012	17:40:24					Floats Held				
03/03/2012	17:40:24	-47	0.0	8.45	577.3					
03/03/2012	17:40:25					1bbl Back				
03/03/2012	17:40:25	-46	0.0	8.45	577.3					
03/03/2012	17:40:26					Rig Down Floor				
03/03/2012	17:40:26	-46	0.0	8.45	577.3					
03/03/2012	17:41:49	-45	0.0	8.45	577.4					
03/03/2012	17:43:49	-46	0.0	8.45	577.5					
03/03/2012	17:45:49	-37	0.0	8.45	577.5					
03/03/2012	17:46:34					Pump Out Rig Flow Line				
03/03/2012	17:46:34	-46	0.0	8.45	577.5					
03/03/2012	17:47:49	15	3.1	8.45	579.4					
03/03/2012	17:49:49	23	2.8	8.44	584.7					
03/03/2012	17:51:49	6	2.4	8.45	589.4					
03/03/2012	17:53:49	-2	2.4	8.45	594.3					
03/03/2012	17:55:49	2	2.4	8.45	599.2					
03/03/2012	17:57:49	16	2.4	8.45	604.0					
03/03/2012	17:59:49	3	2.4	8.45	608.8					
03/03/2012	18:01:49	179	5.6	8.35	615.3					
03/03/2012	18:03:49	184	5.6	8.45	626.5					
03/03/2012	18:05:49	-49	0.0	8.44	636.1					
03/03/2012	19:11:17					Pump Parasite Line				
03/03/2012	19:11:17					Rig Down				
03/03/2012	19:11:17	-49	0.0	8.46	636.2					

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
					65 degF	Washed Thru Perfs		To
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost		Job Completed
Garth Granlich			Jordan Moreland			-		-



Service Quality Evaluation

Client:	Encana
Field:	Story Gulch
Rig:	Patterson 306
Well:	SGU 8511C-22 N22 496
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	Mar/03/2012
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Jordan Moreland
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 type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
1c	Free of RIRs	5	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
1d	Wellsite left clean	4	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
Sub-total							0%

2	Design / Preparation					
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>		0
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>		0
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>		0
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>		0
Sub-total						0%

3	Execution				
3a	Lost time < 30 mins	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested succesfully	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested succesfully	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped per design	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

Total	0%
--------------	----

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

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: