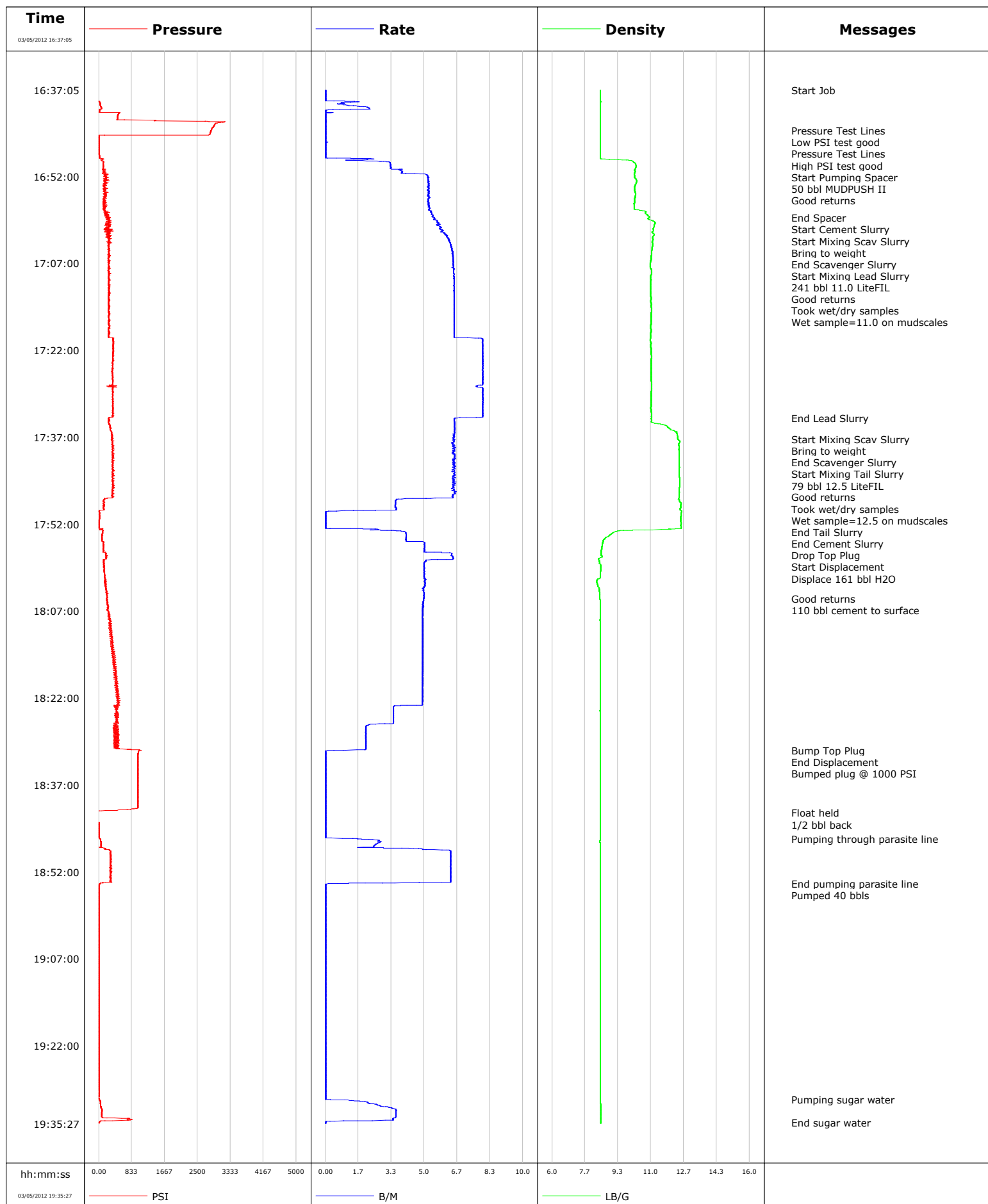


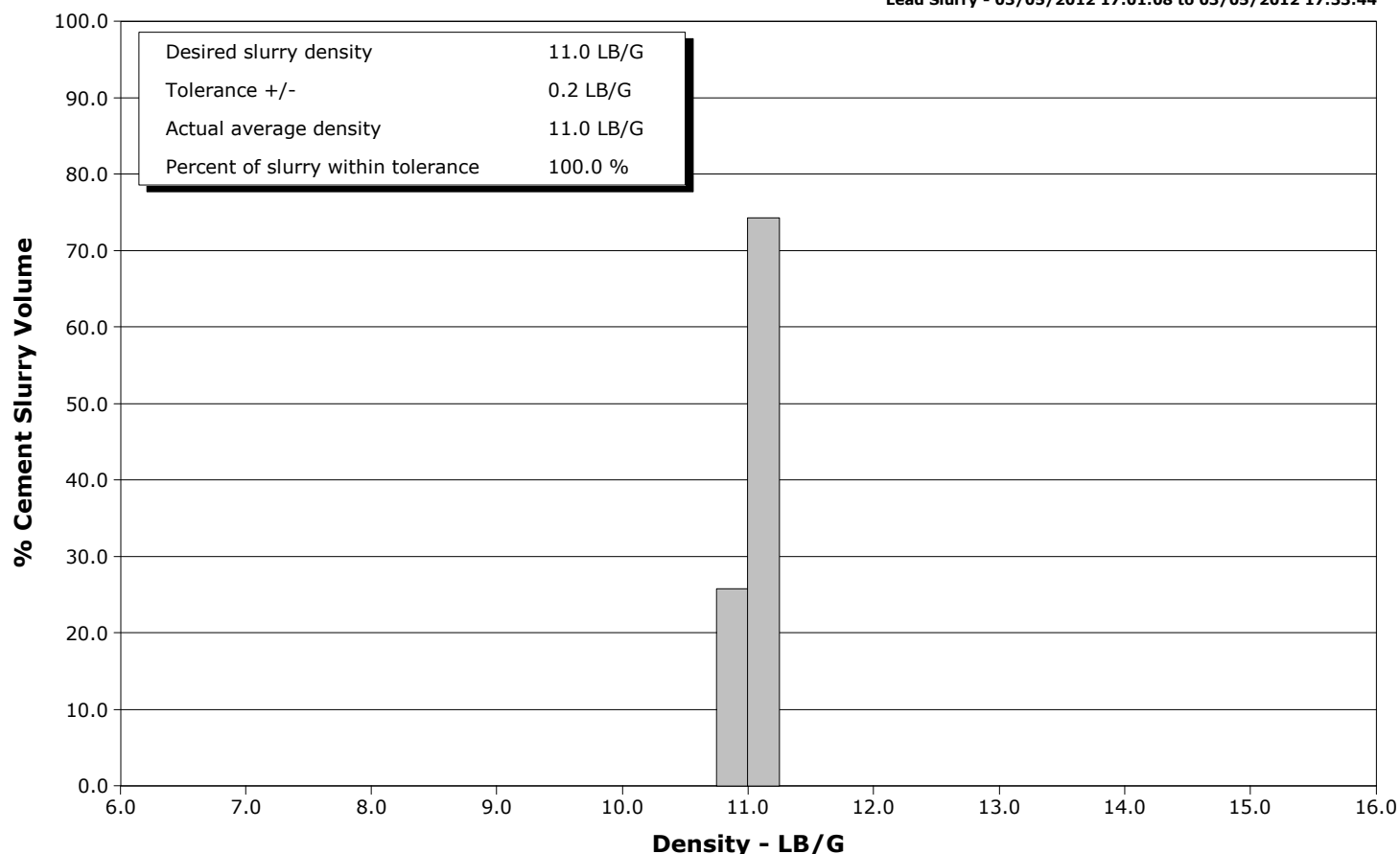
<b>Well</b>	SGU 8509C-21	<b>Client</b>	Encana
<b>Field</b>	N. Parachute	<b>SIR No.</b>	C0J7-00054
<b>Engineer</b>	Matt Fair/Z. Langsdorf	<b>Job Type</b>	9 5/8" Surface
<b>Country</b>	United States	<b>Job Date</b>	03-05-2012



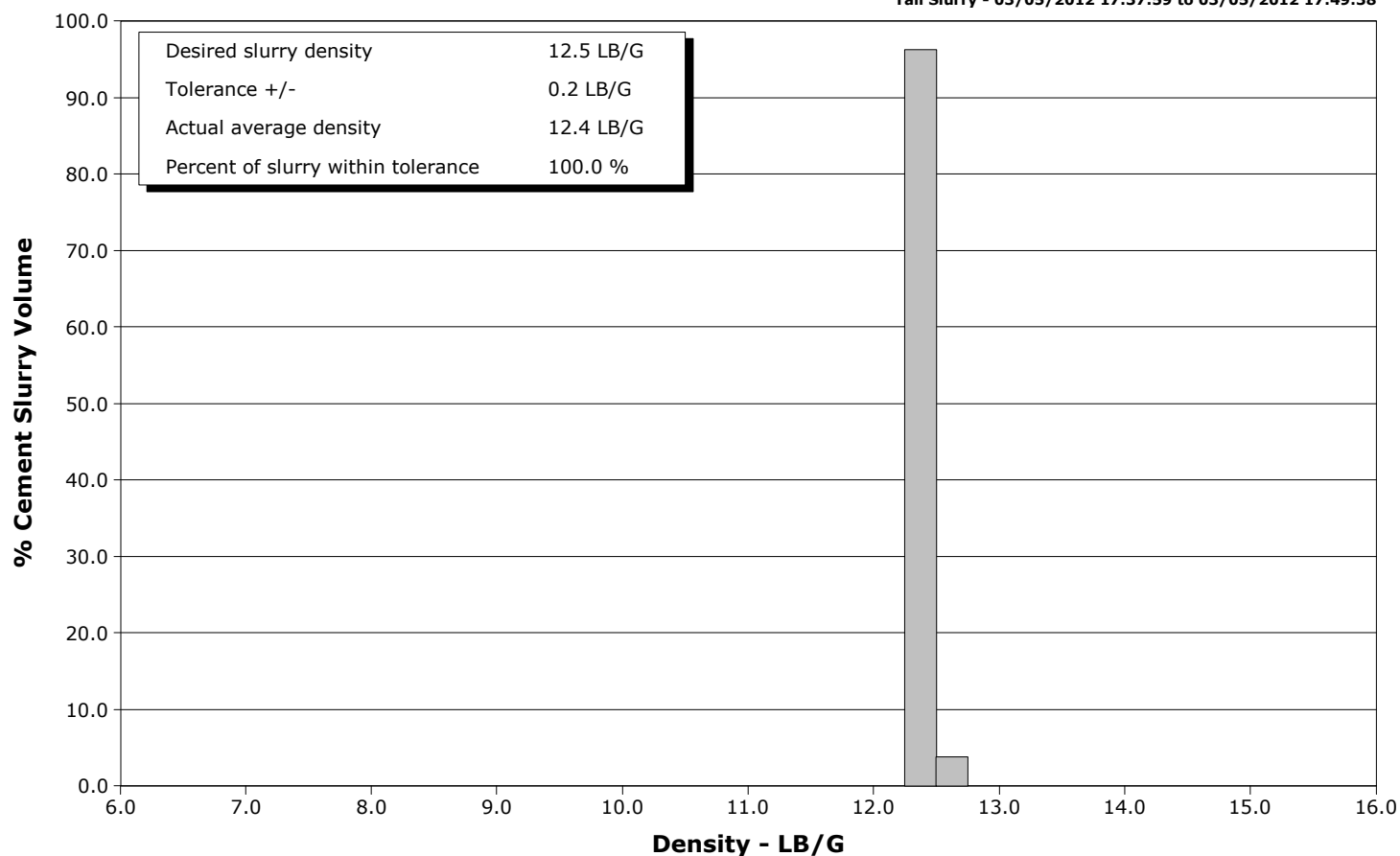
**Well** SGU 8509C-21  
**Field** N. Parachute  
**Engineer** Matt Fair/Z. Langsdorf  
**Country** United States

**Client** Encana  
**SIR No.** C0J7-00054  
**Job Type** 9 5/8" Surface  
**Job Date** 03-05-2012

**Lead Slurry - 03/05/2012 17:01:08 to 03/05/2012 17:33:44**



**Tail Slurry - 03/05/2012 17:37:59 to 03/05/2012 17:49:38**



				Customer Encana			Job Number C0J7-00054										
Well SGU 8509C-21			Location (legal)			Schlumberger Location			Job Start Mar/05/2012								
Field N. Parachute		Formation Name/Type Shale			Deviation deg		Bit Size 14.8 in		Well MD 2126.0 ft		Well TVD 2126.0 ft						
County Garfield		State/Province Colorado			BHP psi		BHST 110 degF		BHCT 91 degF		Pore Press. Gradient lb/gal						
Well Master 0631310456		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		120.0		16.0		65.0		N/A		N/A			
						2126.0		9.6		36.0		K55		8RD			
Drilling Fluid Type Bentonite		Max. Density 9.00 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe											
						T/D		Depth, ft		Size, in		Weight, lb/ft		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 Single Cement head		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft			
Service Instructions Cement surface casing 471bbl/241sks 11.0 Y=2.87 246sks/79bbl 12.5 Y-1.81						ft		ft									
						ft		ft						Diameter in			
						ft		ft									
		Treat Down Casing				Displacement 161.0 bbl				Packer Type				Packer Depth ft			
Tubing Vol. bbl						Casing Vol. 163.0 bbl				Annular Vol. 260.0 bbl				Openhole Vol. 426.0 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 1052 psi						Shoe Type Float				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 2126.0 ft				Tool Type							
No. Centralizers		Top Plugs 1		Bottom Plugs 0		Stage Tool Type				Tool Depth ft							
Cement Head Type Single						Stage Tool Depth ft				Tail Pipe Size in							
Job Scheduled For Mar/05/2012 16:00		Arrived on Location Mar/05/2012 16:00		Leave Location Mar/05/2012 20:00		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 2082.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	CPF1_DENSITY LB/G		CPF1_PRESS PSI		CPF1_TTL_RATE B/M		Message									
03/05/2012	16:37:05	8.45		-1		0.0		Started Acquisition									
03/05/2012	16:38:45	8.45		-5		0.0											
03/05/2012	16:40:25	8.44		22		1.3											
03/05/2012	16:42:05	8.45		467		0.0											
03/05/2012	16:43:45	8.45		2858		0.0											
03/05/2012	16:44:06	8.45		2840		0.0		Pressure Test Lines									
03/05/2012	16:44:07	8.45		2839		0.0		Low PSI test good									
03/05/2012	16:45:08	8.45		8		0.0		Pressure Test Lines									
03/05/2012	16:45:09	8.45		8		0.0		High PSI test good									
03/05/2012	16:45:25	8.45		8		0.0											
03/05/2012	16:47:05	8.45		11		0.0											
03/05/2012	16:48:45	8.45		17		0.0											
03/05/2012	16:48:52	8.45		49		1.3		Start Pumping Spacer									
03/05/2012	16:48:53	8.45		49		1.3		50 bbl MUDPUSH II									
03/05/2012	16:50:25	10.25		113		3.3											
03/05/2012	16:51:37	10.16		233		5.0		Good returns									
03/05/2012	16:52:05	10.18		191		5.2											
03/05/2012	16:53:45	10.18		142		5.2											
03/05/2012	16:55:25	10.20		128		5.2											
03/05/2012	16:57:05	10.16		151		5.2											
03/05/2012	16:58:45	10.85		159		5.4											

Well			Field	Job Start	Customer	Job Number
SGU 8509C-21			N. Parachute	Mar/05/2012	Encana	C0J7-00054
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
03/05/2012	16:59:08	10.91	254	5.5	Start Cement Slurry	
03/05/2012	16:59:09	10.90	254	5.5	Start Mixing Scav Slurry	
03/05/2012	16:59:11	10.89	182	5.5	Bring to weight	
03/05/2012	17:00:25	11.15	239	5.7		
03/05/2012	17:01:06	11.12	337	5.8	End Scavenger Slurry	
03/05/2012	17:01:08	11.12	165	5.8	Start Mixing Lead Slurry	
03/05/2012	17:01:09	11.12	165	5.8	241 bbl 11.0 LiteFIL	
03/05/2012	17:02:05	11.16	264	6.1		
03/05/2012	17:03:45	11.08	243	6.3		
03/05/2012	17:04:50	11.05	261	6.4	Good returns	
03/05/2012	17:05:25	11.03	270	6.4		
03/05/2012	17:07:05	10.96	248	6.5		
03/05/2012	17:07:35	10.96	258	6.5	Took wet/dry samples	
03/05/2012	17:07:36	10.97	286	6.5	Wet sample=11.0 on mudscales	
03/05/2012	17:08:45	11.04	280	6.5		
03/05/2012	17:10:25	10.99	243	6.5		
03/05/2012	17:12:05	10.98	278	6.5		
03/05/2012	17:13:45	11.00	246	6.5		
03/05/2012	17:15:25	11.03	264	6.5		
03/05/2012	17:17:05	11.02	266	6.5		
03/05/2012	17:18:45	11.00	239	6.5		
03/05/2012	17:20:25	10.98	362	7.9		
03/05/2012	17:22:05	11.02	357	7.9		
03/05/2012	17:23:45	11.01	373	8.0		
03/05/2012	17:25:25	11.02	338	7.9		
03/05/2012	17:27:05	11.02	346	8.0		
03/05/2012	17:28:45	11.04	346	8.0		
03/05/2012	17:30:25	11.02	350	8.0		
03/05/2012	17:32:05	11.00	370	8.0		
03/05/2012	17:33:44	11.03	264	6.5	End Lead Slurry	
03/05/2012	17:33:45	11.03	240	6.5		
03/05/2012	17:35:25	11.91	298	6.5		
03/05/2012	17:37:05	12.37	321	6.5		
03/05/2012	17:37:19	12.37	333	6.5	Start Mixing Scav Slurry	
03/05/2012	17:37:40	12.46	338	6.5	Bring to weight	
03/05/2012	17:37:58	12.45	334	6.4	End Scavenger Slurry	
03/05/2012	17:37:59	12.44	343	6.4	Start Mixing Tail Slurry	
03/05/2012	17:38:02	12.44	345	6.4	79 bbl 12.5 LiteFIL	
03/05/2012	17:38:45	12.44	338	6.5		
03/05/2012	17:39:39	12.43	342	6.5	Good returns	
03/05/2012	17:40:25	12.43	350	6.5		
03/05/2012	17:42:05	12.44	354	6.6		
03/05/2012	17:43:45	12.44	360	6.5		
03/05/2012	17:44:44	12.45	346	6.6	Took wet/dry samples	
03/05/2012	17:44:45	12.45	353	6.6	Wet sample=12.5 on mudscales	
03/05/2012	17:45:25	12.45	369	6.5		
03/05/2012	17:47:05	12.44	330	6.5		
03/05/2012	17:48:45	12.52	135	3.5		
03/05/2012	17:49:38	12.52	31	2.6	End Tail Slurry	
03/05/2012	17:49:39	12.52	24	2.6	End Cement Slurry	
03/05/2012	17:50:25	12.53	13	0.0		
03/05/2012	17:52:05	12.52	8	0.0		
03/05/2012	17:53:04	10.09	105	2.8	Drop Top Plug	
03/05/2012	17:53:05	9.82	105	3.1	Start Displacement	

Well			Field	Job Start	Customer	Job Number
SGU 8509C-21			N. Parachute	Mar/05/2012	Encana	C0J7-00054
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
03/05/2012	17:55:17	8.55	110	5.0	Displace 161 bbl H2O	
03/05/2012	17:55:25	8.55	107	5.0		
03/05/2012	17:57:05	8.49	181	6.4		
03/05/2012	17:58:45	8.41	125	5.0		
03/05/2012	18:00:25	8.45	141	5.0		
03/05/2012	18:03:45	8.40	189	5.0		
03/05/2012	18:04:48	8.42	200	5.0	Good returns	
03/05/2012	18:04:54	8.42	192	5.0	110 bbl cement to surface	
03/05/2012	18:05:25	8.43	216	4.9		
03/05/2012	18:07:05	8.43	241	4.9		
03/05/2012	18:08:45	8.43	299	4.9		
03/05/2012	18:10:25	8.43	275	4.9		
03/05/2012	18:12:05	8.43	350	4.9		
03/05/2012	18:13:45	8.43	354	4.9		
03/05/2012	18:15:25	8.43	424	4.9		
03/05/2012	18:17:05	8.43	419	4.9		
03/05/2012	18:18:45	8.43	440	4.9		
03/05/2012	18:20:25	8.43	457	4.9		
03/05/2012	18:22:05	8.43	472	4.9		
03/05/2012	18:23:45	8.43	436	3.4		
03/05/2012	18:25:25	8.43	421	3.4		
03/05/2012	18:27:05	8.43	474	2.0		
03/05/2012	18:28:45	8.43	458	2.0		
03/05/2012	18:30:25	8.43	489	2.0		
03/05/2012	18:31:01	8.43	1068	0.9	Bump Top Plug	
03/05/2012	18:31:02	8.43	1068	0.9	End Displacement	
03/05/2012	18:31:03	8.43	1020	0.4	Bumped plug @ 1000 PSI	
03/05/2012	18:32:05	8.43	989	0.0		
03/05/2012	18:33:45	8.43	985	0.0		
03/05/2012	18:35:25	8.43	985	0.0		
03/05/2012	18:37:05	8.43	985	0.0		
03/05/2012	18:38:45	8.43	985	0.0		
03/05/2012	18:40:25	8.43	985	0.0		
03/05/2012	18:41:49	8.43	-3	0.0	Float held	
03/05/2012	18:42:05	8.43	-3	0.0		
03/05/2012	18:43:45	8.43	2	0.0		
03/05/2012	18:45:25	8.43	1	0.0		
03/05/2012	18:46:15	8.43	24	1.4	Pumping through parasite line	
03/05/2012	18:47:05	8.43	51	2.6		
03/05/2012	18:48:45	8.43	296	6.3		
03/05/2012	18:50:25	8.43	310	6.3		
03/05/2012	18:52:05	8.43	284	6.3		
03/05/2012	18:53:45	8.43	302	6.3		
03/05/2012	18:54:01	8.43	34	0.6	End pumping parasite line	
03/05/2012	18:55:25	8.43	2	0.0		
03/05/2012	18:55:27	8.43	2	0.0	Pumped 40 bbls	
03/05/2012	18:57:05	8.43	2	0.0		
03/05/2012	18:58:45	8.43	2	0.0		
03/05/2012	19:00:25	8.43	2	0.0		
03/05/2012	19:02:05	8.43	2	0.0		
03/05/2012	19:03:45	8.43	2	0.0		
03/05/2012	19:05:25	8.43	2	0.0		
03/05/2012	19:07:05	8.43	2	0.0		
03/05/2012	19:08:45	8.43	2	0.0		

Well			Field	Job Start	Customer	Job Number
SGU 8509C-21			N. Parachute	Mar/05/2012	Encana	C0J7-00054
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
03/05/2012	19:12:05	8.43	2	0.0		
03/05/2012	19:13:45	8.43	2	0.0		
03/05/2012	19:15:25	8.43	1	0.0		
03/05/2012	19:17:05	8.43	1	0.0		
03/05/2012	19:18:45	8.43	1	0.0		
03/05/2012	19:20:25	8.44	1	0.0		
03/05/2012	19:22:05	8.44	1	0.0		
03/05/2012	19:23:45	8.44	1	0.0		
03/05/2012	19:25:25	8.44	1	0.0		
03/05/2012	19:27:05	8.44	1	0.0		
03/05/2012	19:28:45	8.44	1	0.0		
03/05/2012	19:30:25	8.44	1	0.0		
03/05/2012	19:31:20	8.44	1	0.0	Pumping sugar water	
03/05/2012	19:32:05	8.45	43	2.4		
03/05/2012	19:33:45	8.47	75	3.6		
03/05/2012	19:35:17	8.47	10	0.0	End sugar water	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.4	N2	Mud	Maximum Rate 8.0		Total Slurry 320.0	Mud 0.0	Spacer 50.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3195	Final -1	Average 281	Bump Plug to 1300	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 320.0 bbl	Displacement 160.7 bbl	Mix Water Temp 62 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 110.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
Garth Gramich			Matt Fair/Z. Langsdorf			-		-



# Service Quality Evaluation

Client:	Encana
Field:	N. Parachute
Rig:	Patterson 306
Well:	SGU 8509C-21
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	Mar/05/2012
Operating Time (hh:mm):	00:00
Client Rep:	Garth Gramich
Schlumberger Engineer:	Matt Fair/Z. Langsdorf
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	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 as 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: