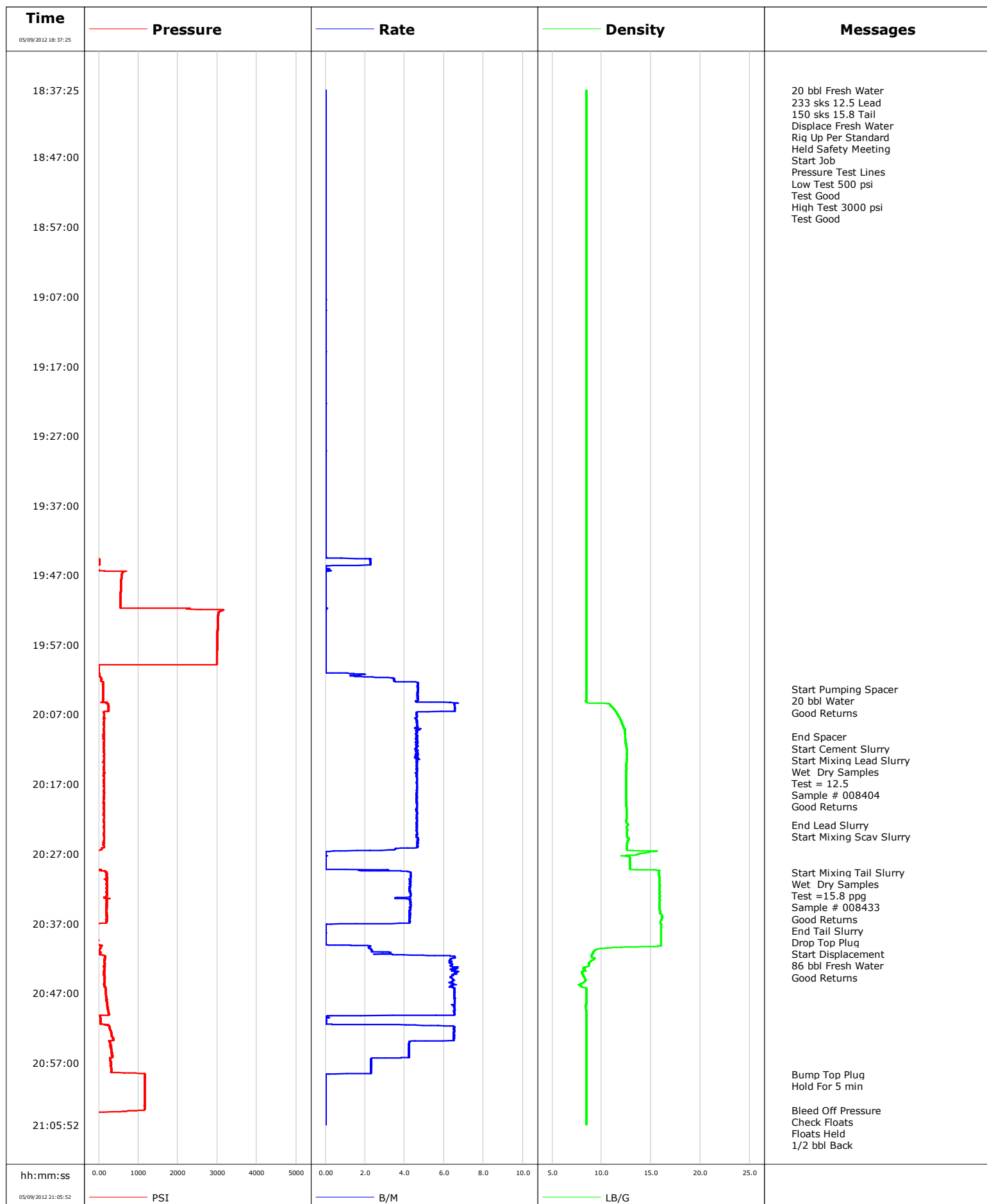


Well	Gardner 21-14	Client	Encana
Field	Parachute	SIR No.	
Engineer		Job Type	9 5/8 Surface
Country	United States	Job Date	05-09-2012

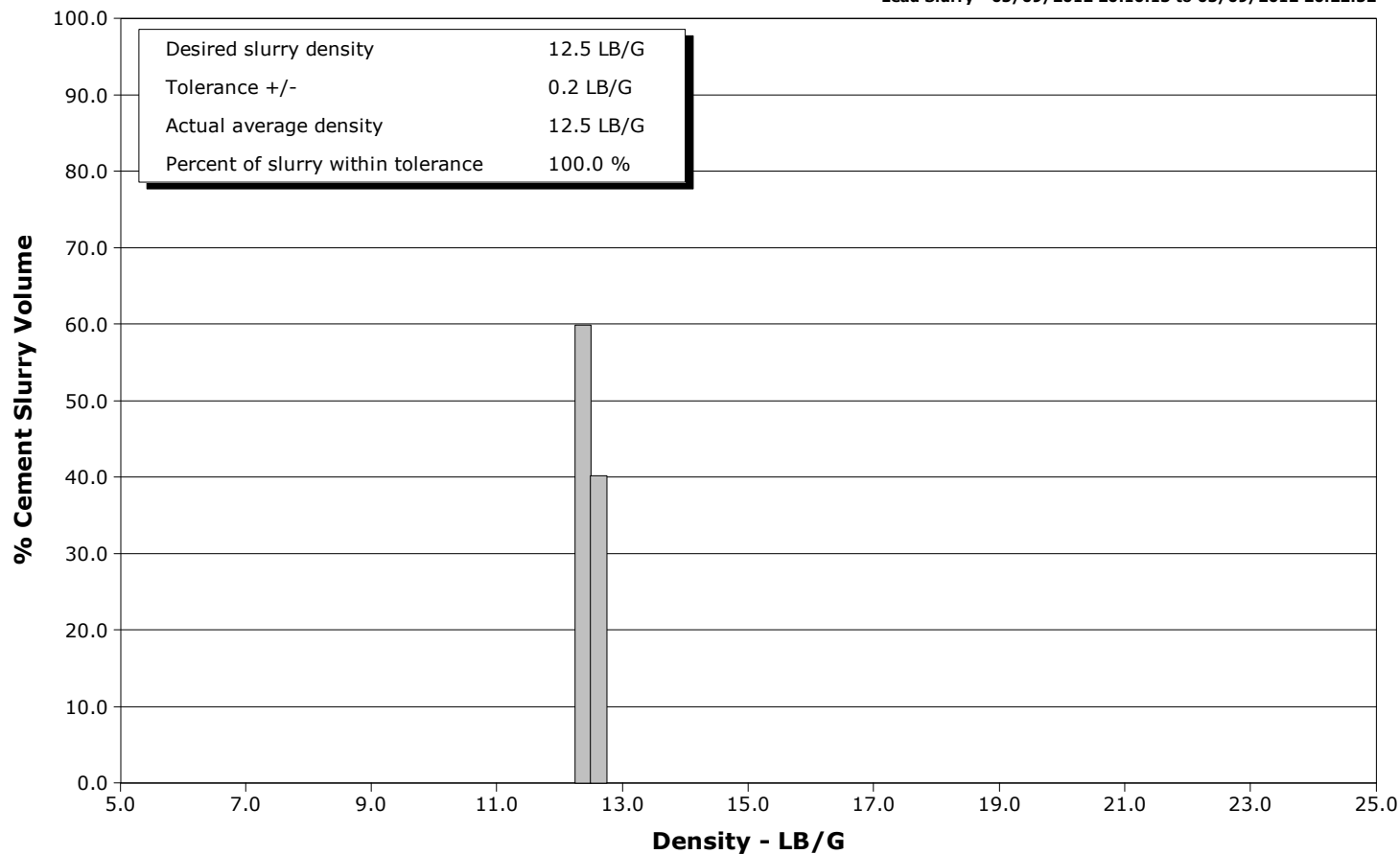


Schlumberger Cementing Qa/Qc Density Report

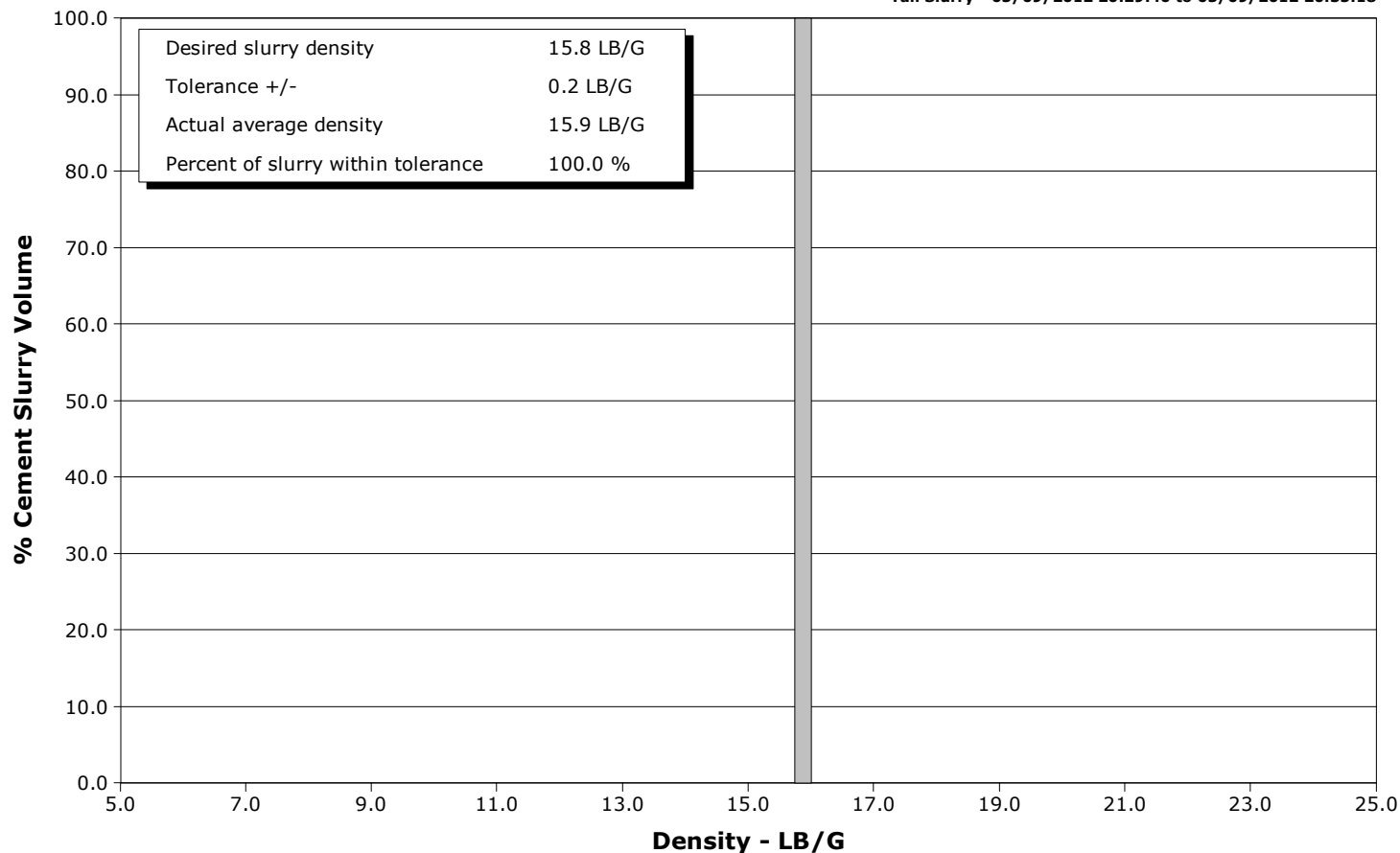
Well Gardner 21-14
Field Parachute
Engineer
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 05-09-2012

Lead Slurry - 05/09/2012 20:10:13 to 05/09/2012 20:22:52



Tail Slurry - 05/09/2012 20:29:40 to 05/09/2012 20:35:18





Cementing Service Report

				Customer Encana		Job Number C610		
Well Gardner 21-14			Location (legal)		Schlumberger Location GCO		Job Start May/09/2012	
Field Parachute		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1162.0 ft		Well TVD
County Garfield		State/Province Colorado		BHP	BHST 95 degF	BHCT 81 degF	Pore Press. Gradient	
Well Master 0631334546		API/UWI						
Rig Name Nabors M13	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	60.0	16.000	65.0	K55	8RD	
			1162.0	9.630	36.0	J55	8RD	
Drilling Fluid Type		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 3000 psi	Max. Allowed Ann. Press		WH Connection Single Cement head	Perforations/Open Hole				
				Top,	Bottom,		No. of Shots	Total Interval
								Diameter
				Treat Down Casing	Displacement 86.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 87.0 bbl	Annular Vol. 70.0 bbl	Openhole Vol. 164.0 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 575 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1162.0 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 May/09/2012		Arrived on Location May/09/2012	Leave Location May/09/2012	Collar Type Float		Tail Pipe Depth		
				Collar Depth 1117.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
05/09/2012	18:18:41					Started Acquisition		
05/09/2012	18:37:25	-27	0.0	8.44	0.0			
05/09/2012	18:37:26					20 bbl Fresh Water		
05/09/2012	18:37:26					233 sks 12.5 Lead		
05/09/2012	18:37:26					150 sks 15.8 Tail		
05/09/2012	18:37:26					Displace Fresh Water		
05/09/2012	18:37:26					Rig Up Per Standard		
05/09/2012	18:37:26	-27	0.0	8.44	0.0			
05/09/2012	18:37:27					Held Safety Meeting		
05/09/2012	18:37:27	-27	0.0	8.44	0.0			
05/09/2012	18:37:28					Start Job		
05/09/2012	18:37:28	-27	0.0	8.44	0.0			
05/09/2012	18:37:29					Pressure Test Lines		
05/09/2012	18:37:29	-27	0.0	8.44	0.0			
05/09/2012	18:37:30					Low Test 500 psi		
05/09/2012	18:37:30					Test Good		
05/09/2012	18:37:30					High Test 3000 psi		
05/09/2012	18:37:30					Test Good		
05/09/2012	18:37:30	-28	0.0	8.44	0.0			
05/09/2012	18:38:41	-27	0.0	8.44	0.0			
05/09/2012	18:40:41	-27	0.0	8.44	0.1			

Well			Field		Job Start	Customer		Job Number	
Gardner 21-14			Parachute		May/09/2012	Encana		C610	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/09/2012	18:44:41	-27	0.0	8.44	0.1				
05/09/2012	18:46:41	-28	0.0	8.44	0.2				
05/09/2012	18:48:41	-28	0.0	8.44	0.2				
05/09/2012	18:50:41	-28	0.0	8.44	0.2				
05/09/2012	18:52:41	-28	0.0	8.44	0.2				
05/09/2012	18:54:41	-28	0.0	8.44	0.3				
05/09/2012	18:56:41	-28	0.0	8.44	0.3				
05/09/2012	18:58:41	-28	0.0	8.44	0.3				
05/09/2012	19:00:41	-28	0.0	8.44	0.4				
05/09/2012	19:02:41	-28	0.0	8.44	0.4				
05/09/2012	19:04:41	-28	0.0	8.44	0.4				
05/09/2012	19:06:41	-27	0.0	8.44	0.5				
05/09/2012	19:08:41	-28	0.0	8.44	0.5				
05/09/2012	19:10:41	-28	0.0	8.44	0.6				
05/09/2012	19:12:41	-28	0.0	8.44	0.6				
05/09/2012	19:14:41	-27	0.0	8.44	0.6				
05/09/2012	19:16:41	-27	0.0	8.44	0.6				
05/09/2012	19:18:41	-27	0.0	8.44	0.7				
05/09/2012	19:20:41	-27	0.0	8.44	0.7				
05/09/2012	19:22:41	-27	0.0	8.44	0.7				
05/09/2012	19:24:41	-28	0.0	8.44	0.8				
05/09/2012	19:26:41	-27	0.0	8.44	0.8				
05/09/2012	19:28:41	-26	0.0	8.44	0.8				
05/09/2012	19:30:41	-26	0.0	8.44	0.9				
05/09/2012	19:32:41	-25	0.0	8.44	0.9				
05/09/2012	19:34:41	-25	0.0	8.44	0.9				
05/09/2012	19:36:41	-25	0.0	8.44	1.0				
05/09/2012	19:38:41	-25	0.0	8.44	1.0				
05/09/2012	19:40:41	-24	0.0	8.44	1.0				
05/09/2012	19:42:41	-28	0.0	8.44	1.1				
05/09/2012	19:44:41	-6	2.3	8.44	1.3				
05/09/2012	19:46:41	595	0.0	8.45	3.5				
05/09/2012	19:48:41	554	0.0	8.45	3.5				
05/09/2012	19:50:41	547	0.0	8.45	3.5				
05/09/2012	19:52:41	3016	0.0	8.45	3.6				
05/09/2012	19:54:41	3004	0.0	8.45	3.6				
05/09/2012	19:56:41	2995	0.0	8.45	3.6				
05/09/2012	19:58:41	2986	0.0	8.45	3.6				
05/09/2012	20:00:41	-7	0.0	8.45	3.7				
05/09/2012	20:02:41	98	4.7	8.45	8.6				
05/09/2012	20:03:21					Start Pumping Spacer			
05/09/2012	20:03:21					20 bbl Water			
05/09/2012	20:03:21					Good Returns			
05/09/2012	20:03:21	99	4.7	8.45	11.7				
05/09/2012	20:04:41	104	4.7	8.45	17.9				
05/09/2012	20:06:41	130	4.6	11.48	29.7				
05/09/2012	20:08:41	126	4.6	12.17	38.9				
05/09/2012	20:10:10					End Spacer			
05/09/2012	20:10:10	122	4.6	12.38	45.8				
05/09/2012	20:10:12					Start Cement Slurry			
05/09/2012	20:10:12	108	4.6	12.38	45.9				
05/09/2012	20:10:13					Start Mixing Lead Slurry			
05/09/2012	20:10:13	121	4.6	12.39	46.0				
05/09/2012	20:10:14					Wet Dry Samples			

Well			Field		Job Start		Customer		Job Number	
Gardner 21-14			Parachute		May/09/2012		Encana		C610	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
05/09/2012	20:10:14					Sample # 008404				
05/09/2012	20:10:14					Good Returns				
05/09/2012	20:10:14	116	4.6	12.39	46.1					
05/09/2012	20:10:41	130	4.6	12.43	48.2					
05/09/2012	20:12:41	128	4.6	12.54	57.4					
05/09/2012	20:14:41	120	4.6	12.50	66.7					
05/09/2012	20:16:41	122	4.6	12.49	75.9					
05/09/2012	20:18:41	128	4.6	12.50	85.1					
05/09/2012	20:20:41	127	4.6	12.51	94.4					
05/09/2012	20:22:41	129	4.6	12.61	103.6					
05/09/2012	20:22:52					End Lead Slurry				
05/09/2012	20:22:52	129	4.6	12.66	104.4					
05/09/2012	20:22:53					Start Mixing Scav Slurry				
05/09/2012	20:22:53	131	4.6	12.66	104.5					
05/09/2012	20:24:41	128	4.6	12.63	112.8					
05/09/2012	20:26:41	-19	0.0	14.74	121.1					
05/09/2012	20:28:41	-19	0.0	12.88	121.1					
05/09/2012	20:29:40					Start Mixing Tail Slurry				
05/09/2012	20:29:40	170	4.3	15.81	122.4					
05/09/2012	20:29:42					Wet Dry Samples				
05/09/2012	20:29:42					Test =15.8 ppg				
05/09/2012	20:29:42					Sample # 008433				
05/09/2012	20:29:42					Good Returns				
05/09/2012	20:29:42	199	4.3	15.81	122.6					
05/09/2012	20:30:41	205	4.3	15.86	126.8					
05/09/2012	20:32:41	204	4.3	15.87	135.4					
05/09/2012	20:34:41	193	4.3	15.86	143.8					
05/09/2012	20:35:18					End Tail Slurry				
05/09/2012	20:35:18	197	4.3	15.96	146.5					
05/09/2012	20:35:27					Drop Top Plug				
05/09/2012	20:35:27	202	4.2	15.92	147.1					
05/09/2012	20:35:28					Start Displacement				
05/09/2012	20:35:28	191	4.3	15.93	147.2					
05/09/2012	20:35:29					86 bbl Fresh Water				
05/09/2012	20:35:29					Good Returns				
05/09/2012	20:35:29	199	4.3	15.93	147.2					
05/09/2012	20:36:41	200	4.3	15.98	152.3					
05/09/2012	20:38:41	-15	0.0	16.00	153.8					
05/09/2012	20:40:41	29	2.3	9.62	155.1					
05/09/2012	20:42:41	148	6.3	8.74	164.7					
05/09/2012	20:44:41	142	6.4	8.21	177.6					
05/09/2012	20:46:41	173	6.5	8.46	190.5					
05/09/2012	20:48:41	216	6.4	8.41	203.6					
05/09/2012	20:50:41	42	0.0	8.45	213.5					
05/09/2012	20:52:41	313	6.5	8.45	220.8					
05/09/2012	20:54:41	292	4.2	8.45	231.9					
05/09/2012	20:56:41	293	2.3	8.45	239.6					
05/09/2012	20:58:34					Bump Top Plug				
05/09/2012	20:58:34	1162	0.5	8.45	243.9					
05/09/2012	20:58:41	1165	0.0	8.46	243.9					
05/09/2012	20:58:51					Hold For 5 min				
05/09/2012	20:58:51	1160	0.0	8.45	243.9					
05/09/2012	21:00:41	1158	0.0	8.46	243.9					
05/09/2012	21:02:41	1157	0.0	8.46	244.0					

Well			Field		Job Start	Customer		Job Number	
Gardner 21-14			Parachute		May/09/2012	Encana		C610	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/09/2012	21:03:44	1152	0.0	8.46	244.0				
05/09/2012	21:04:02					Check Floats			
05/09/2012	21:04:02					Floats Held			
05/09/2012	21:04:02	338	0.0	8.46	244.0				
05/09/2012	21:04:21					1/2 bbl Back			
05/09/2012	21:04:21					60 bbl Cement To Surface			
05/09/2012	21:04:21	-20	0.0	8.46	244.0				
05/09/2012	21:04:29					End Displacement			
05/09/2012	21:04:29	-20	0.0	8.46	244.0				
05/09/2012	21:04:41	-19	0.0	8.46	244.0				
05/09/2012	21:05:43					Rig Down			
05/09/2012	21:05:43	-21	0.0	8.46	244.0				
05/09/2012	21:05:49					End Job			
05/09/2012	21:05:49	-21	0.0	8.46	244.0				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 1.7	N2	Mud 0.0	Maximum Rate 6.8	Total Slurry 244.0	Mud 0.0	Spacer 45.7	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3172	Final -21	Average 585	Bump Plug to	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume		Displacement 96.8 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Charlie Brown			Schlumberger Supervisor Jordan Moreland			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	



Service Quality Evaluation

Client:	Encana
Field:	Parachute
Rig:	Nabors M13
Well:	Gardner 21-14
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	May/09/2012
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 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: