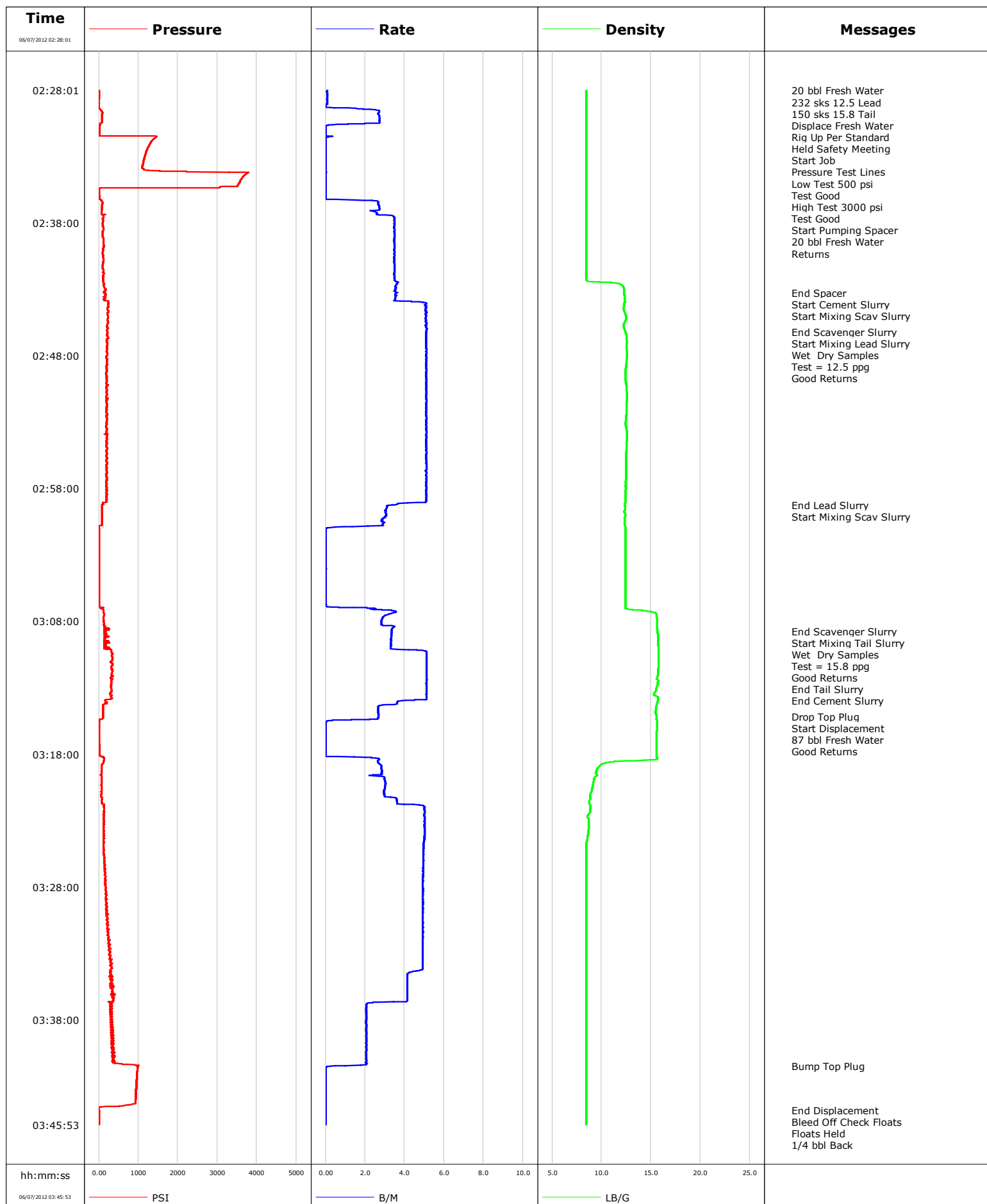


Well	Gardner 21-14C	Client	Encana
Field	Parachute	SIR No.	
Engineer	Jordan Moreland	Job Type	9 5/8 Surface
Country	United States	Job Date	06-06-2012

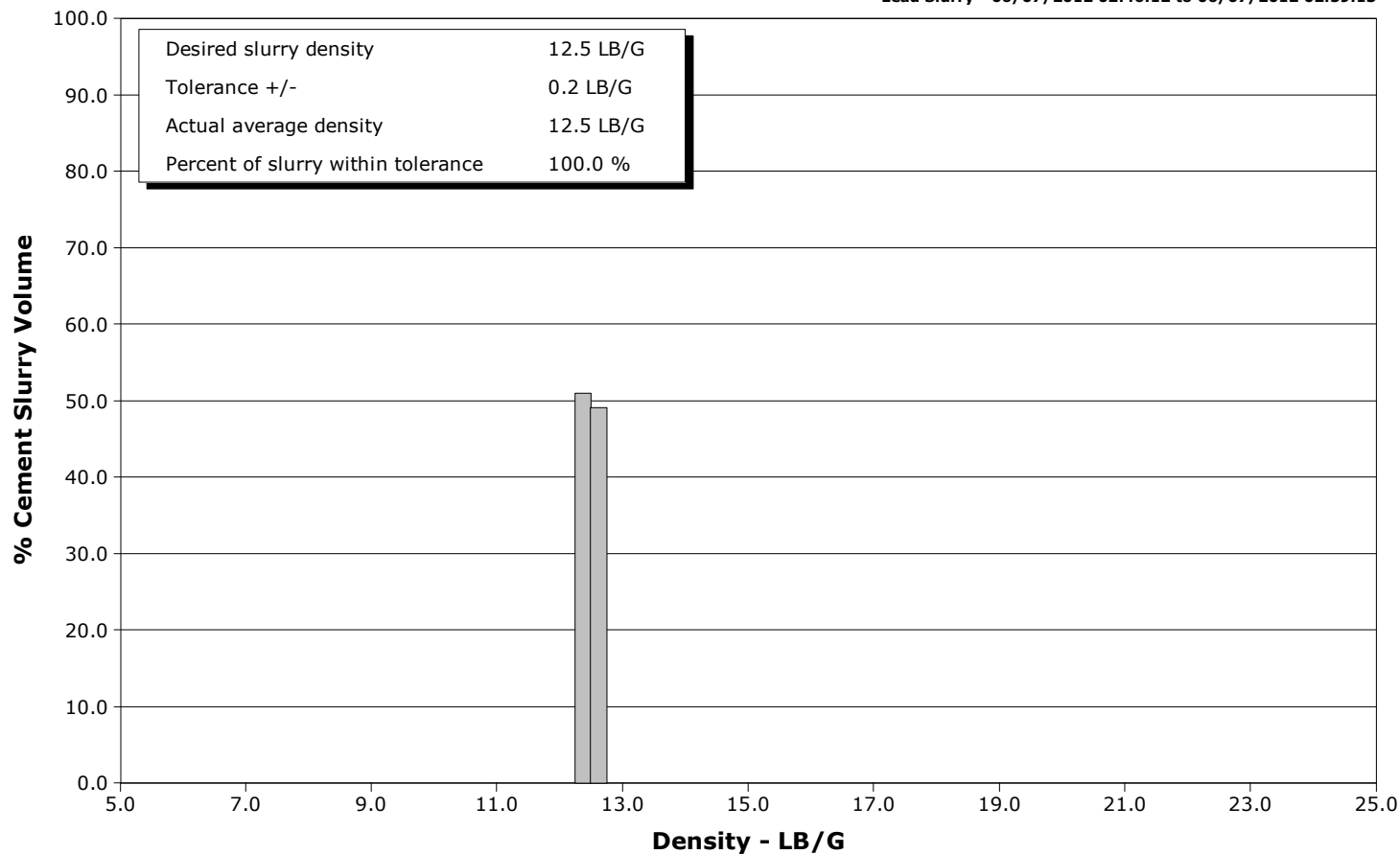


Schlumberger Cementing Qa/Qc Density Report

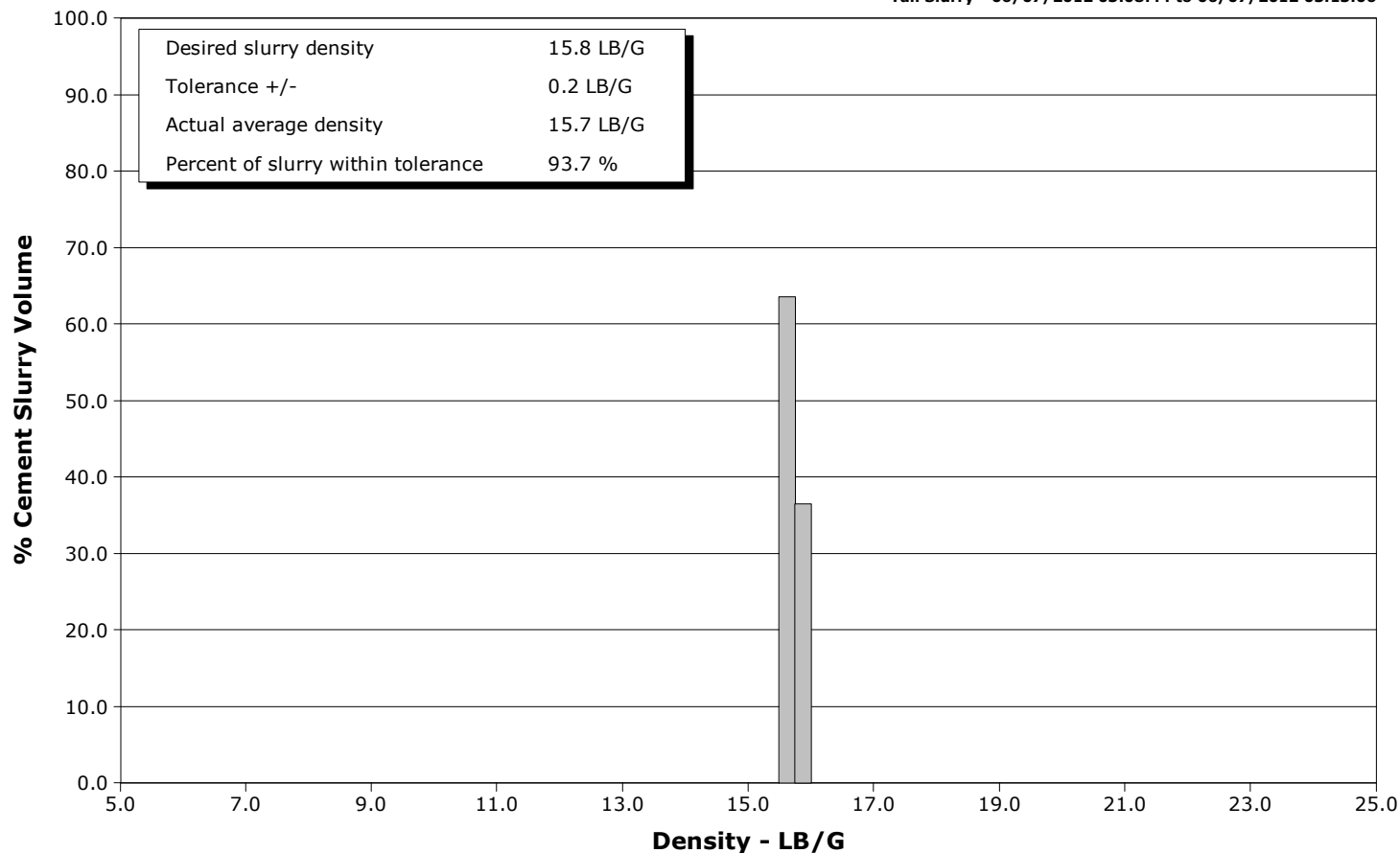
Well Gardner 21-14C
Field Parachute
Engineer Jordan Moreland
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 06-06-2012

Lead Slurry - 06/07/2012 02:46:12 to 06/07/2012 02:59:13



Tail Slurry - 06/07/2012 03:08:44 to 06/07/2012 03:13:06





Cementing Service Report

				Customer Encana			Job Number C610-00060									
Well Gardner 21-14C			Location (legal) PC28			Schlumberger Location GCO			Job Start Jun/06/2012							
Field Parachute		Formation Name/Type Shale			Deviation		Bit Size 12.3 in		Well MD 1185.0 ft		Well TVD 1185.0 ft					
County Garfield		State/Province Colorado			BHP		BHST 95 degF		BHCT 81 degF		Pore Press. Gradient					
Well Master 0631334544		API/UWI														
Rig Name Nabors M13		Drilled For Gas		Service Via Land		Casing/Liner										
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread		
						60.0		16.000		65.0		N80		8RD		
						1170.0		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										
Service Instructions Rate And Density Checked						Top,		Bottom,				No. of Shots		Total Interval		
														Diameter		
		Treat Down Casing				Displacement 87.0 bbl				Packer Type				Packer Depth		
		Tubing Vol.				Casing Vol. 88.0 bbl				Annular Vol. 70.0 bbl				Openhole Vol. 165.0 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 579 psi				Shoe Type Guide				Squeeze Type								
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1170.0 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 Jun/06/2012		Arrived on Location Jun/06/2012		Leave Location Jun/06/2012		Collar Type Float				Tail Pipe Depth						
						Collar Depth 1126.0 ft				Sqz. Total Vol.						
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message										
06/07/2012	02:07:17					Started Acquisition										
06/07/2012	02:28:01	2	0.1	8.45	0.0											
06/07/2012	02:28:03					20 bbl Fresh Water										
06/07/2012	02:28:03					232 sks 12.5 Lead										
06/07/2012	02:28:03					150 sks 15.8 Tail										
06/07/2012	02:28:03					Displace Fresh Water										
06/07/2012	02:28:03					Rig Up Per Standard										
06/07/2012	02:28:03					Held Safety Meeting										
06/07/2012	02:28:03	3	0.1	8.45	0.0											
06/07/2012	02:28:05					Start Job										
06/07/2012	02:28:05	3	0.1	8.45	0.0											
06/07/2012	02:28:08					Pressure Test Lines										
06/07/2012	02:28:08					Low Test 500 psi										
06/07/2012	02:28:08					Test Good										
06/07/2012	02:28:08					High Test 3000 psi										
06/07/2012	02:28:08	3	0.1	8.45	0.0											
06/07/2012	02:28:10					Test Good										
06/07/2012	02:28:10	3	0.1	8.44	0.0											
06/07/2012	02:29:17	-0	0.0	8.45	0.1											
06/07/2012	02:31:17	15	0.0	8.44	3.3											
06/07/2012	02:33:17	1137	0.0	8.45	3.3											

Well			Field		Job Start	Customer	Job Number
Gardner 21-14C			Parachute		Jun/06/2012	Encana	C610-00060
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
06/07/2012	02:37:17	72	2.6	8.45	6.0		
06/07/2012	02:37:21					Start Pumping Spacer	
06/07/2012	02:37:21	69	2.6	8.45	6.1		
06/07/2012	02:37:22					20 bbl Fresh Water	
06/07/2012	02:37:22					Returns	
06/07/2012	02:37:22	69	2.6	8.45	6.2		
06/07/2012	02:39:17	112	3.5	8.45	12.8		
06/07/2012	02:41:17	94	3.5	8.44	19.8		
06/07/2012	02:43:15					End Spacer	
06/07/2012	02:43:15	121	3.6	12.28	26.7		
06/07/2012	02:43:16					Start Cement Slurry	
06/07/2012	02:43:16					Start Mixing Scav Slurry	
06/07/2012	02:43:16	130	3.6	12.28	26.8		
06/07/2012	02:43:17	130	3.6	12.29	26.8		
06/07/2012	02:45:17	219	5.1	12.48	36.0		
06/07/2012	02:46:12					End Scavenger Slurry	
06/07/2012	02:46:12					Start Mixing Lead Slurry	
06/07/2012	02:46:12	214	5.1	12.41	40.7		
06/07/2012	02:46:15					Wet Dry Samples	
06/07/2012	02:46:15	217	5.1	12.43	40.9		
06/07/2012	02:46:16					Test = 12.5 ppg	
06/07/2012	02:46:16					Good Returns	
06/07/2012	02:46:16	219	5.1	12.45	41.0		
06/07/2012	02:47:17	199	5.1	12.53	46.2		
06/07/2012	02:49:17	200	5.1	12.43	56.4		
06/07/2012	02:51:17	191	5.1	12.56	66.6		
06/07/2012	02:53:17	187	5.1	12.46	76.7		
06/07/2012	02:55:17	205	5.1	12.50	86.9		
06/07/2012	02:57:17	201	5.1	12.46	97.1		
06/07/2012	02:59:13					End Lead Slurry	
06/07/2012	02:59:13					Start Mixing Scav Slurry	
06/07/2012	02:59:13	78	3.5	12.35	106.8		
06/07/2012	02:59:17	84	3.2	12.39	107.0		
06/07/2012	03:01:17	4	0.0	12.44	111.8		
06/07/2012	03:03:17	6	0.0	12.45	111.8		
06/07/2012	03:05:17	7	0.0	12.44	111.8		
06/07/2012	03:07:17	122	3.6	15.03	112.7		
06/07/2012	03:08:43					End Scavenger Slurry	
06/07/2012	03:08:43	149	3.3	15.65	117.2		
06/07/2012	03:08:44					Start Mixing Tail Slurry	
06/07/2012	03:08:44	149	3.4	15.65	117.2		
06/07/2012	03:08:45					Wet Dry Samples	
06/07/2012	03:08:45					Test = 15.8 ppg	
06/07/2012	03:08:45					Good Returns	
06/07/2012	03:08:45	132	3.4	15.66	117.3		
06/07/2012	03:09:17	163	3.3	15.73	119.1		
06/07/2012	03:11:17	342	5.1	15.78	127.8		
06/07/2012	03:13:06					End Tail Slurry	
06/07/2012	03:13:06	324	5.1	15.53	137.0		
06/07/2012	03:13:07					End Cement Slurry	
06/07/2012	03:13:07	324	5.1	15.53	137.1		
06/07/2012	03:13:17	316	5.1	15.46	138.0		
06/07/2012	03:15:08					Drop Top Plug	
06/07/2012	03:15:08					Start Displacement	

Well			Field		Job Start	Customer	Job Number
Gardner 21-14C			Parachute		Jun/06/2012	Encana	C610-00060
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
06/07/2012	03:15:10					87 bbl Fresh Water	
06/07/2012	03:15:10					Good Returns	
06/07/2012	03:15:10	99	2.7	15.54	144.9		
06/07/2012	03:15:17	99	2.7	15.55	145.3		
06/07/2012	03:17:17	15	0.0	15.58	145.6		
06/07/2012	03:19:17	67	2.9	9.47	148.6		
06/07/2012	03:21:17	79	3.6	8.85	154.5		
06/07/2012	03:23:17	128	5.0	8.70	163.8		
06/07/2012	03:25:17	123	4.9	8.45	173.7		
06/07/2012	03:27:17	164	4.9	8.45	183.6		
06/07/2012	03:29:17	178	4.9	8.45	193.5		
06/07/2012	03:31:17	212	4.9	8.45	203.3		
06/07/2012	03:33:17	292	4.9	8.45	213.2		
06/07/2012	03:35:17	357	4.1	8.45	222.3		
06/07/2012	03:37:17	311	2.1	8.45	229.2		
06/07/2012	03:39:17	352	2.1	8.45	233.4		
06/07/2012	03:41:17	488	2.1	8.45	237.5		
06/07/2012	03:41:28					Bump Top Plug	
06/07/2012	03:41:28	990	0.5	8.45	237.8		
06/07/2012	03:43:17	942	0.0	8.45	237.8		
06/07/2012	03:44:47					End Displacement	
06/07/2012	03:44:47	0	0.0	8.45	237.8		
06/07/2012	03:44:52					Bleed Off Check Floats	
06/07/2012	03:44:52					Floats Held	
06/07/2012	03:44:52					1/4 bbl Back	
06/07/2012	03:44:52					45 bbl Cement To Surface	
06/07/2012	03:44:52					Rig Down	
06/07/2012	03:44:52	1	0.0	8.45	237.8		
06/07/2012	03:44:56					End Job	
06/07/2012	03:44:56	1	0.0	8.46	237.8		
06/07/2012	03:45:17	1	0.0	8.46	237.8		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 3.7	N2	Mud 0.0	Maximum Rate 5.2	Total Slurry 237.8	Mud 0.0	Spacer 26.7	N2		
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum 3795	Final 1	Average 281	Bump Plug to	Breakdown	Type	Volume	Density		
Avg. N2 Percent		Designed Slurry Volume		Displacement 93.0 bbl	Mix Water Temp 63 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume		
						Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Erasmo Parras			Schlumberger Supervisor Jordan Moreland			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
						-	-		



Service Order #:	
Date:	Jun/06/2012
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Jordan Moreland
Schlumberger FSM:	

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

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: