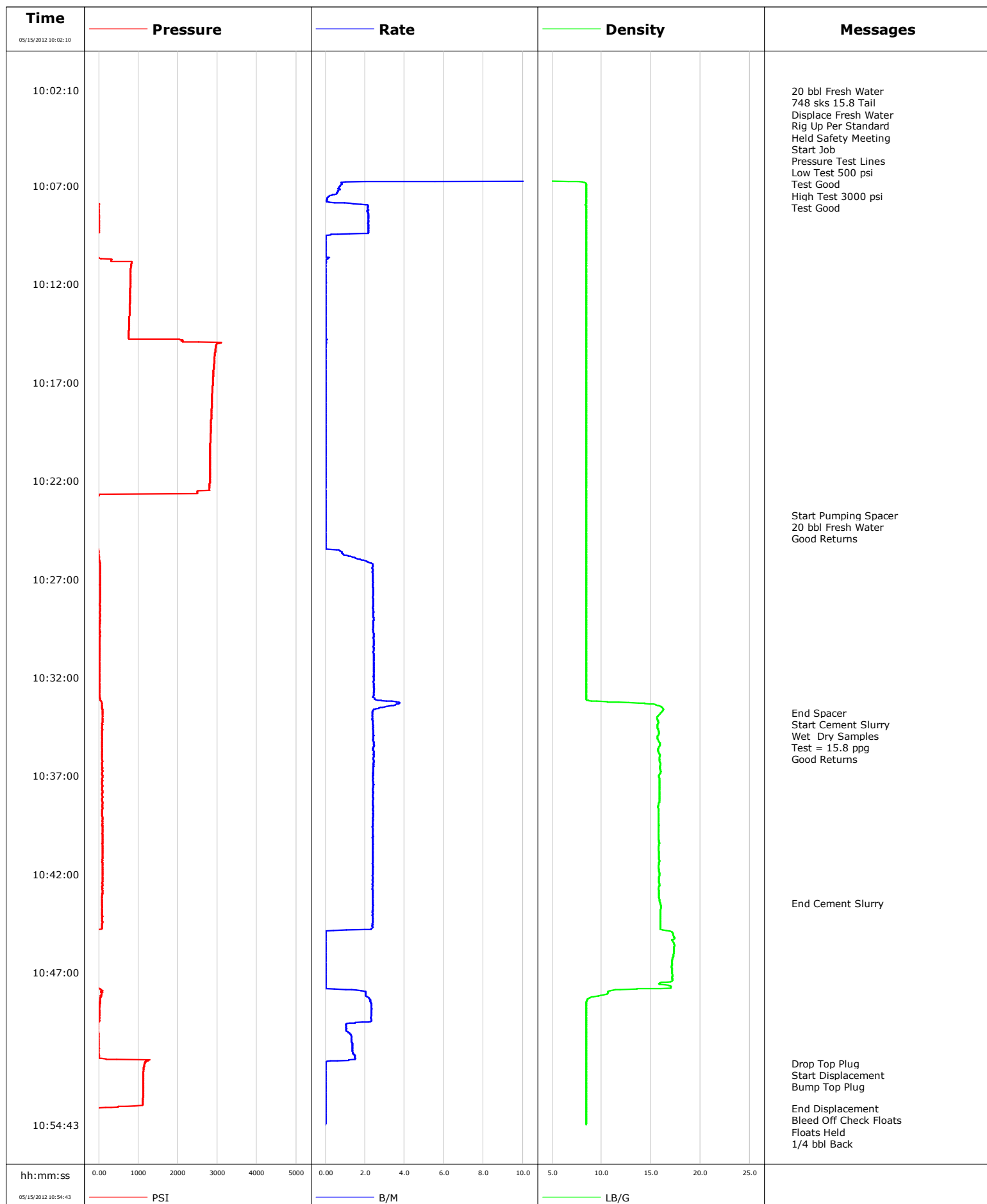


Well	Gardner Federal 28-2B	Client	Encana
Field	Parachute	SIR No.	
Engineer		Job Type	9 5/8 Surface
Country	United States	Job Date	05-15-2012

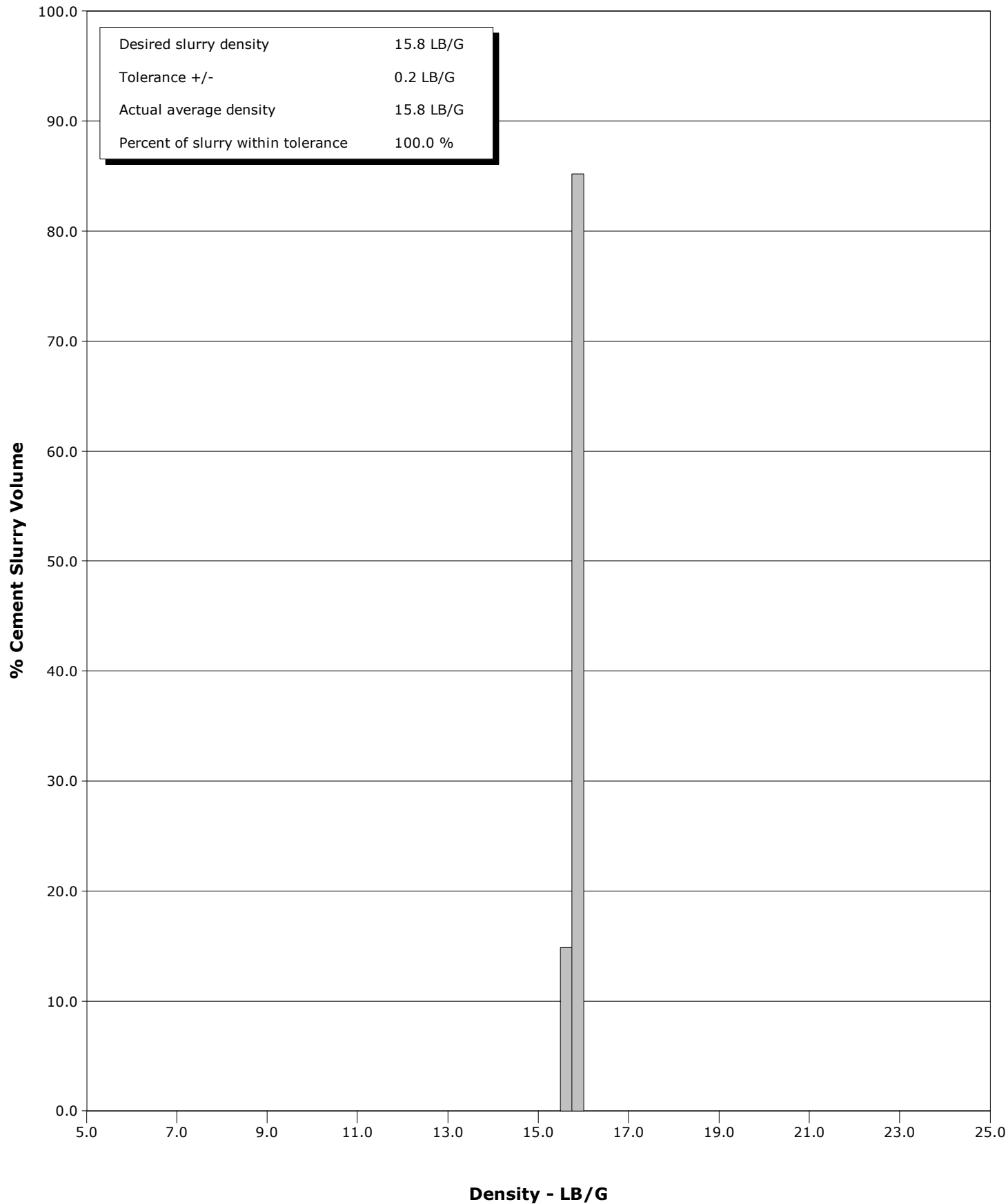


SchlumbergerCementing Qa/Qc Density Report

Well Gardner Federal 28-2B
Field Parachute
Engineer
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 05-15-2012

Cement Slurry - 05/15/2012 10:33:50 to 05/15/2012 10:43:27





Cementing Service Report

				Customer Encana		Job Number C4HD-00260			
Well Gardner Federal 28-2B			Location (legal)		Schlumberger Location GCO		Job Start May/15/2012		
Field Parachute		Formation Name/Type		Deviation	Bit Size 12.3 in		Well MD		Well TVD
County Garfield		State/Province Colorado		BHP	BHST 81 degF	BHCT 81 degF		Pore Press. Gradient	
Well Master 0631334541		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	J55	8RD	
				116.0	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
Service Instructions Rate And Density Checked 20 bbl Fresh Water 748 sks 15.8 Tail									Diameter
		Treat Down Casing	Displacement 6.0 bbl		Packer Type		Packer Depth		
Tubing Vol.	Casing Vol. 7.0 bbl		Annular Vol. 11.0 bbl		Openhole Vol. 25.0 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 57 psi				Shoe Type Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 116.0 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/15/2012		Arrived on Location May/15/2012	Leave Location May/15/2012	Collar Type Float		Tail Pipe Depth			
				Collar Depth 72.0 ft		Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/15/2012	09:37:28					Started Acquisition			
05/15/2012	10:02:10	-25	25.0	0.00	0.4				
05/15/2012	10:02:12					20 bbl Fresh Water			
05/15/2012	10:02:12					748 sks 15.8 Tail			
05/15/2012	10:02:12					Displace Fresh Water			
05/15/2012	10:02:12					Rig Up Per Standard			
05/15/2012	10:02:12	-25	25.0	0.00	1.2				
05/15/2012	10:02:13					Held Safety Meeting			
05/15/2012	10:02:13	-25	25.0	0.00	1.7				
05/15/2012	10:02:15					Start Job			
05/15/2012	10:02:15	-25	25.0	0.00	2.5				
05/15/2012	10:02:17					Pressure Test Lines			
05/15/2012	10:02:17	-25	25.0	0.00	3.3				
05/15/2012	10:02:18					Low Test 500 psi			
05/15/2012	10:02:18					Test Good			
05/15/2012	10:02:18					High Test 3000 psi			
05/15/2012	10:02:18	-25	25.0	0.00	3.7				
05/15/2012	10:02:19					Test Good			
05/15/2012	10:02:19	-25	25.0	0.00	4.2				
05/15/2012	10:03:28	-24	25.0	0.00	32.9				
05/15/2012	10:05:28	-25	25.0	0.00	82.9				

Well			Field		Job Start	Customer	Job Number
Gardner Federal 28-2B			Parachute		May/15/2012	Encana	C4HD-00260
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/15/2012	10:09:28	-30	1.2	8.45	119.9		
05/15/2012	10:11:28	805	0.0	8.45	119.9		
05/15/2012	10:13:28	776	0.0	8.45	120.0		
05/15/2012	10:15:28	2942	0.0	8.45	120.0		
05/15/2012	10:17:28	2871	0.0	8.45	120.0		
05/15/2012	10:19:28	2835	0.0	8.45	120.0		
05/15/2012	10:21:28	2808	0.0	8.45	120.1		
05/15/2012	10:23:28	-23	0.0	8.45	120.1		
05/15/2012	10:23:45					Start Pumping Spacer	
05/15/2012	10:23:45	-24	0.0	8.45	120.1		
05/15/2012	10:23:47					20 bbl Fresh Water	
05/15/2012	10:23:47					Good Returns	
05/15/2012	10:23:47	-23	0.0	8.45	120.1		
05/15/2012	10:25:28	-21	0.0	8.45	120.1		
05/15/2012	10:27:28	28	2.4	8.45	124.1		
05/15/2012	10:29:28	23	2.4	8.45	128.9		
05/15/2012	10:31:28	23	2.4	8.45	133.8		
05/15/2012	10:33:28	85	3.1	15.99	139.0		
05/15/2012	10:33:46					End Spacer	
05/15/2012	10:33:46	94	2.4	16.09	139.8		
05/15/2012	10:33:50					Start Cement Slurry	
05/15/2012	10:33:50	95	2.4	15.98	139.9		
05/15/2012	10:33:52					Wet Dry Samples	
05/15/2012	10:33:52	91	2.4	15.90	140.0		
05/15/2012	10:33:53					Test = 15.8 ppg	
05/15/2012	10:33:53	97	2.4	15.86	140.0		
05/15/2012	10:33:54					Good Returns	
05/15/2012	10:33:54	96	2.4	15.86	140.1		
05/15/2012	10:35:28	83	2.5	15.89	143.9		
05/15/2012	10:37:28	84	2.4	15.87	148.7		
05/15/2012	10:39:28	85	2.4	15.78	153.5		
05/15/2012	10:41:28	90	2.4	15.80	158.3		
05/15/2012	10:43:27					End Cement Slurry	
05/15/2012	10:43:27	83	2.4	15.93	163.0		
05/15/2012	10:43:28	83	2.4	15.94	163.1		
05/15/2012	10:45:28	-25	0.0	17.31	166.3		
05/15/2012	10:47:28	-29	0.0	17.02	166.3		
05/15/2012	10:49:28	15	2.3	8.44	169.9		
05/15/2012	10:51:28	1243	0.6	8.44	172.5		
05/15/2012	10:51:36					Drop Top Plug	
05/15/2012	10:51:36	1171	0.0	8.44	172.6		
05/15/2012	10:51:37					Start Displacement	
05/15/2012	10:51:37	1155	0.0	8.44	172.6		
05/15/2012	10:51:39					Bump Top Plug	
05/15/2012	10:51:39	1160	0.0	8.44	172.6		
05/15/2012	10:53:28	1114	0.0	8.44	172.6		
05/15/2012	10:53:53					End Displacement	
05/15/2012	10:53:53	-24	0.0	8.44	172.6		
05/15/2012	10:53:54					Bleed Off Check Floats	
05/15/2012	10:53:54					Floats Held	
05/15/2012	10:53:54	-24	0.0	8.44	172.6		
05/15/2012	10:53:55					1/4 bbl Back	
05/15/2012	10:53:55					10 bbl Cement To Surface	
05/15/2012	10:53:55					Rig Down	

Well Gardner Federal 28-2B	Field Parachute	Job Start May/15/2012	Customer Encana	Job Number C4HD-00260
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.5	N2	Mud 0.0	Maximum Rate 25.0	Total Slurry 172.6	Mud 0.0	Spacer 137.5	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3110	Final -47	Average 798	Bump Plug to	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume	Displacement 0.0 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 Order #:	
Date:	May/15/2012
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: