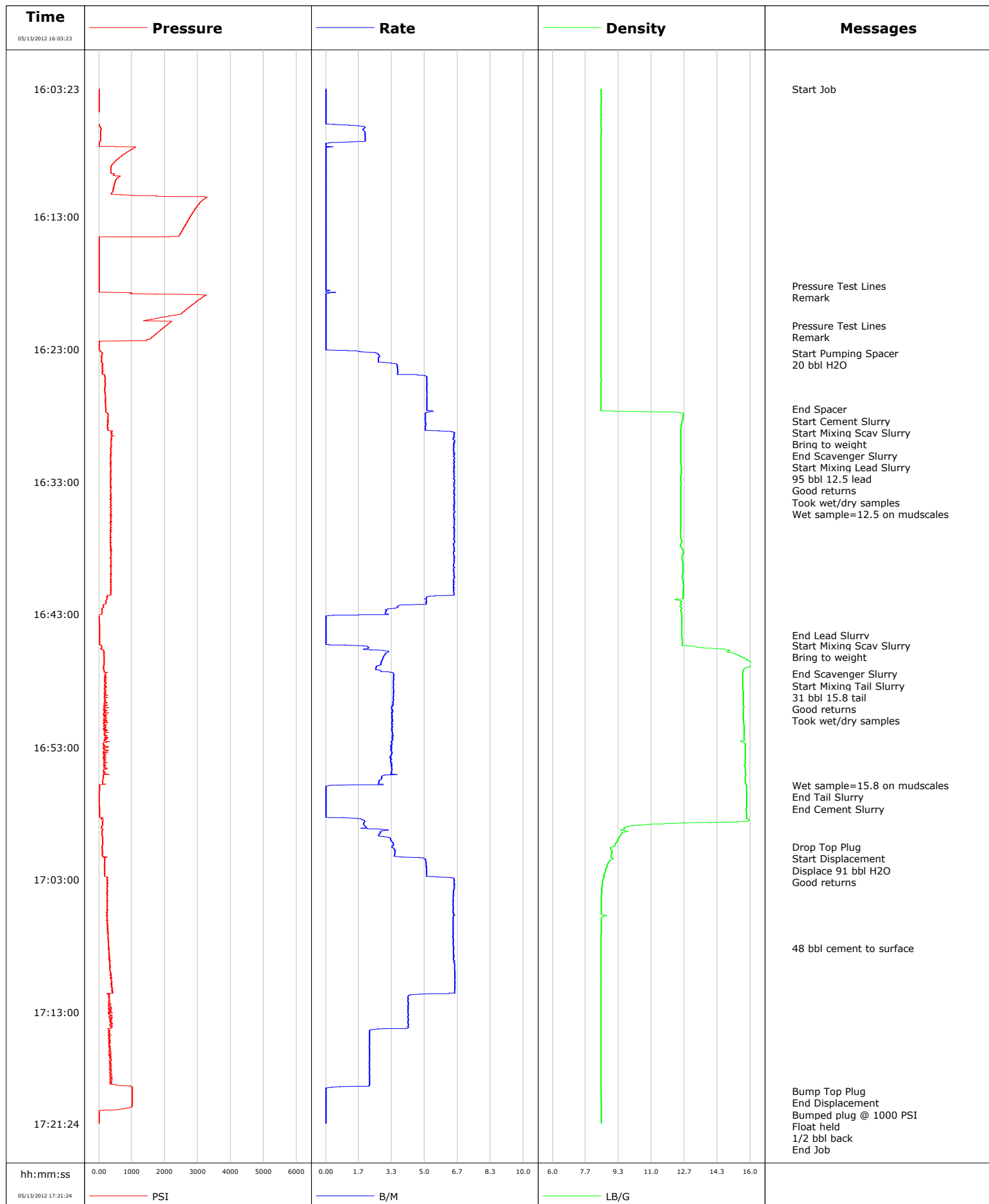


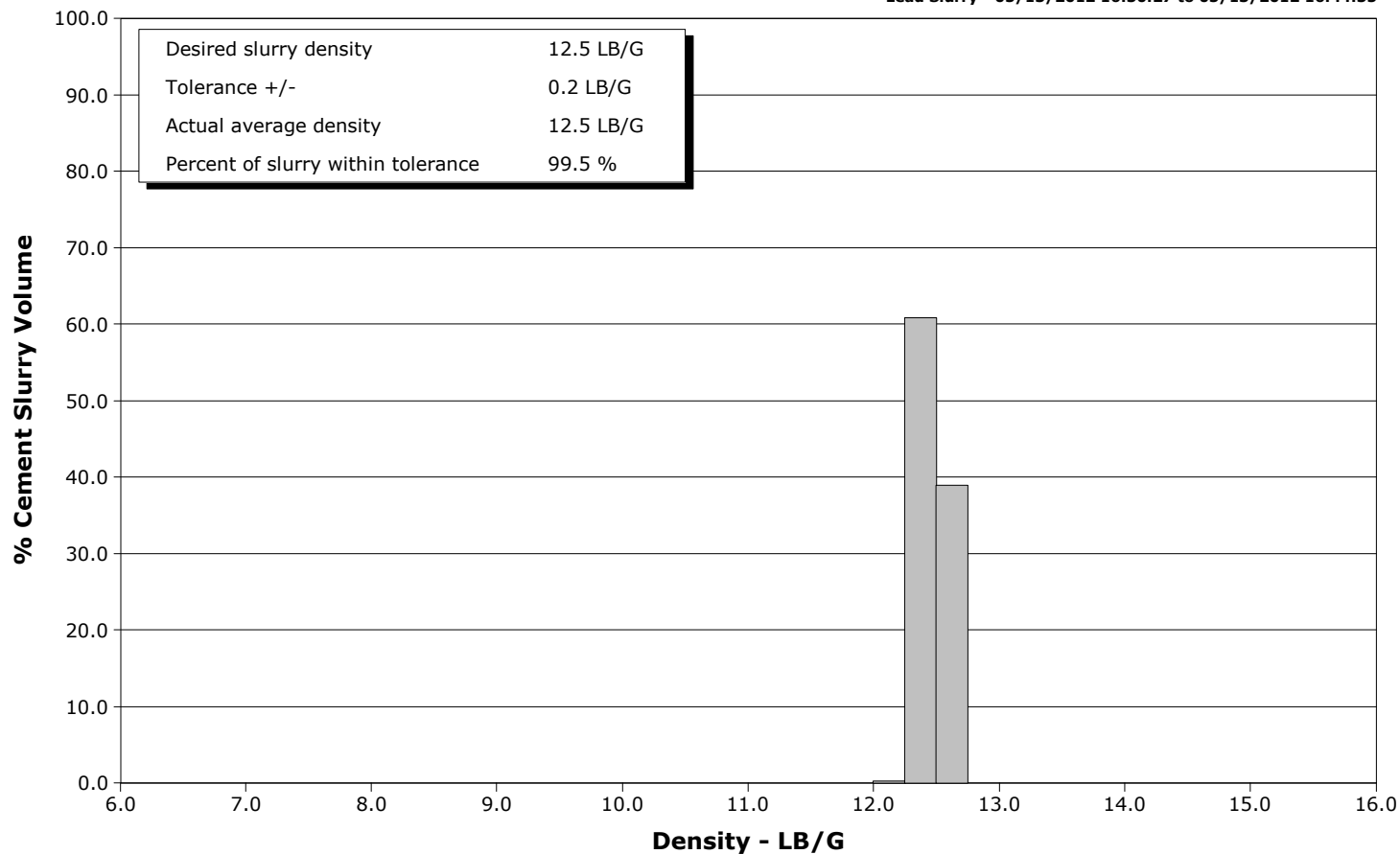
Well	Gardner Federal 28-1C	Client	Encana
Field	Mamm Creek	SIR No.	C610-00058
Engineer	Matt Fair/Charles Peavey	Job Type	9 5/8" Surface
Country	United States	Job Date	05-13-2012



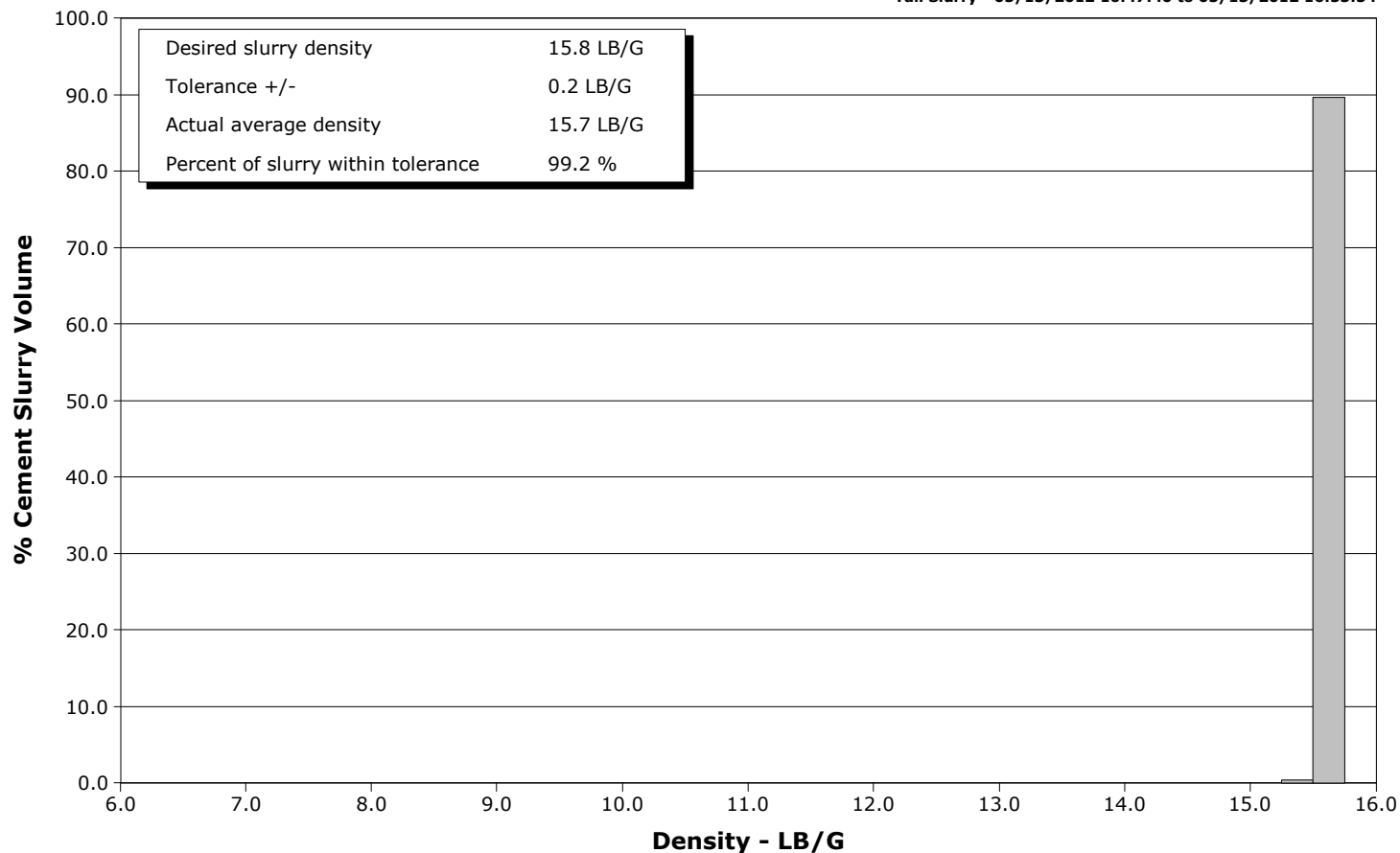
Well Gardner Federal 28-1C
Field Mamm Creek
Engineer Matt Fair/Charles Peavey
Country United States

Client Encana
SIR No. C610-00058
Job Type 9 5/8" Surface
Job Date 05-13-2012

Lead Slurry - 05/13/2012 16:30:27 to 05/13/2012 16:44:35



Tail Slurry - 05/13/2012 16:47:40 to 05/13/2012 16:55:54



				Customer Encana				Job Number C610-00058			
Well Gardner Federal 28-1C			Location (legal)			Schlumberger Location			Job Start May/13/2012		
Field Mamm Creek		Formation Name/Type Shale		Deviation deg		Bit Size 12.3 in		Well MD 1216.0 ft		Well TVD 1216.0 ft	
County Garfield		State/Province Colorado		BHP psi		BHST 95 degF		BHCT 81 degF		Pore Press. Gradient lb/gal	
Well Master 0631334539		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		1216.0		9.6		36.0	
						0.0		0.0		0.0	
Drilling Fluid Type Bentonite		Max. Density 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				Perforations/Open Hole					
Max. Allowed Tub. Press 3520 psi		Max. Allowed Ann. Press 2030 psi		WH Connection Single Cement head		Top, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down Casing		Displacement 91.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 94.0 bbl		Annular Vol. 73.0 bbl	
										Openhole Vol. 171.0 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 602 psi				Shoe Type Float				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1213.0 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 May/13/2012 14:00		Arrived on Location May/13/2012 14:00		Leave Location May/13/2012		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 1167.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message						
05/13/2012	16:03:23	8.45	1	0.0	Started Acquisition						
05/13/2012	16:05:53	8.45	-2	0.0							
05/13/2012	16:08:23	8.45	717	0.0							
05/13/2012	16:10:53	8.45	440	0.0							
05/13/2012	16:13:23	8.45	2691	0.0							
05/13/2012	16:15:53	8.45	2	0.0							
05/13/2012	16:18:13	8.45	2	0.0	Pressure Test Lines						
05/13/2012	16:18:14	8.45	2	0.0	Remark						
05/13/2012	16:18:23	8.45	1	0.0							
05/13/2012	16:20:53	8.45	1366	0.0							
05/13/2012	16:21:14	8.45	2039	0.0	Pressure Test Lines						
05/13/2012	16:21:16	8.45	2027	0.0	Remark						
05/13/2012	16:23:17	8.45	90	2.5	Start Pumping Spacer						
05/13/2012	16:23:23	8.45	106	2.6							
05/13/2012	16:23:43	8.44	77	2.7	20 bbl H2O						
05/13/2012	16:25:53	8.45	189	5.1							
05/13/2012	16:27:32	8.45	217	5.1	End Spacer						
05/13/2012	16:27:36	8.45	209	5.1	Start Cement Slurry						
05/13/2012	16:27:40	8.49	221	5.3	Start Mixing Scav Slurry						
05/13/2012	16:27:43	10.29	199	5.3	Bring to weight						
05/13/2012	16:28:23	12.56	263	5.0							

Well Gardner Federal 28-1C			Field Mamm Creek		Job Start May/13/2012	Customer Encana	Job Number C610-00058
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message		
05/13/2012	16:30:27	12.49	381	6.5	Start Mixing Lead Slurry		
05/13/2012	16:30:28	12.49	351	6.5	95 bbl 12.5 lead		
05/13/2012	16:30:38	12.49	365	6.5	Good returns		
05/13/2012	16:30:50	12.49	369	6.5	Took wet/dry samples		
05/13/2012	16:30:51	12.49	369	6.5	Wet sample=12.5 on mudscales		
05/13/2012	16:30:53	12.49	360	6.5			
05/13/2012	16:33:23	12.49	356	6.5			
05/13/2012	16:35:53	12.48	354	6.5			
05/13/2012	16:38:23	12.61	362	6.5			
05/13/2012	16:40:53	12.63	359	6.5			
05/13/2012	16:43:23	12.54	7	0.0			
05/13/2012	16:44:35	12.54	23	0.0	End Lead Slurry		
05/13/2012	16:45:21	12.55	68	1.0	Start Mixing Scav Slurry		
05/13/2012	16:45:23	12.80	80	1.9	Bring to weight		
05/13/2012	16:45:53	14.96	151	3.1			
05/13/2012	16:47:29	15.61	191	3.4	End Scavenger Slurry		
05/13/2012	16:47:40	15.61	174	3.4	Start Mixing Tail Slurry		
05/13/2012	16:47:41	15.61	218	3.4	31 bbl 15.8 tail		
05/13/2012	16:47:52	15.62	207	3.5	Good returns		
05/13/2012	16:47:54	15.62	170	3.4	Took wet/dry samples		
05/13/2012	16:48:23	15.63	173	3.4			
05/13/2012	16:50:53	15.65	220	3.4			
05/13/2012	16:53:23	15.74	157	3.4			
05/13/2012	16:55:53	15.78	-2	0.6	Wet sample=15.8 on mudscales		
05/13/2012	16:55:54	15.78	5	0.6	End Tail Slurry		
05/13/2012	16:55:56	15.81	15	0.1	End Cement Slurry		
05/13/2012	16:58:23	15.81	110	1.4			
05/13/2012	17:00:33	9.01	102	3.3	Drop Top Plug		
05/13/2012	17:00:34	9.01	100	3.3	Start Displacement		
05/13/2012	17:00:35	8.96	100	3.4	Displace 91 bbl H2O		
05/13/2012	17:00:53	9.00	102	3.5			
05/13/2012	17:01:12	8.96	102	3.5	Good returns		
05/13/2012	17:03:23	8.51	262	6.5			
05/13/2012	17:05:53	8.47	253	6.4			
05/13/2012	17:08:10	8.45	313	6.5	48 bbl cement to surface		
05/13/2012	17:08:23	8.45	298	6.5			
05/13/2012	17:10:53	8.45	364	6.5			
05/13/2012	17:13:23	8.45	400	4.2			
05/13/2012	17:15:53	8.45	314	2.2			
05/13/2012	17:18:23	8.45	368	2.2			
05/13/2012	17:18:58	8.45	1004	0.0	Bump Top Plug		
05/13/2012	17:18:59	8.45	1004	0.0	End Displacement		
05/13/2012	17:19:00	8.45	1005	0.0	Bumped plug @ 1000 PSI		
05/13/2012	17:20:46	8.45	8	0.0	Float held		
05/13/2012	17:20:47	8.45	8	0.0	1/2 bbl back		
05/13/2012	17:20:53	8.45	8	0.0			

Well Gardner Federal 28-1C	Field Mamm Creek	Job Start May/13/2012	Customer Encana	Job Number C610-00058
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.6	N2	Mud	Maximum Rate 6.5		Total Slurry 243.8	Mud 0.0	Spacer 18.5	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3291	Final 8	Average 441	Bump Plug to 1000	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 126.0 bbl	Displacement 88.0 bbl	Mix Water Temp 67 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 48.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Charlie Brown			Schlumberger Supervisor Matt Fair/Charles Peavey			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-



Service Quality Evaluation

Client:	Encana
Field:	Mamm Creek
Rig:	Nabors M13
Well:	Gardner Federal 28-1C
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	May/13/2012
Operating Time (hh:mm):	00:00
Client Rep:	Charlie Brown
Schlumberger Engineer:	Matt Fair/Charles Peavey
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: