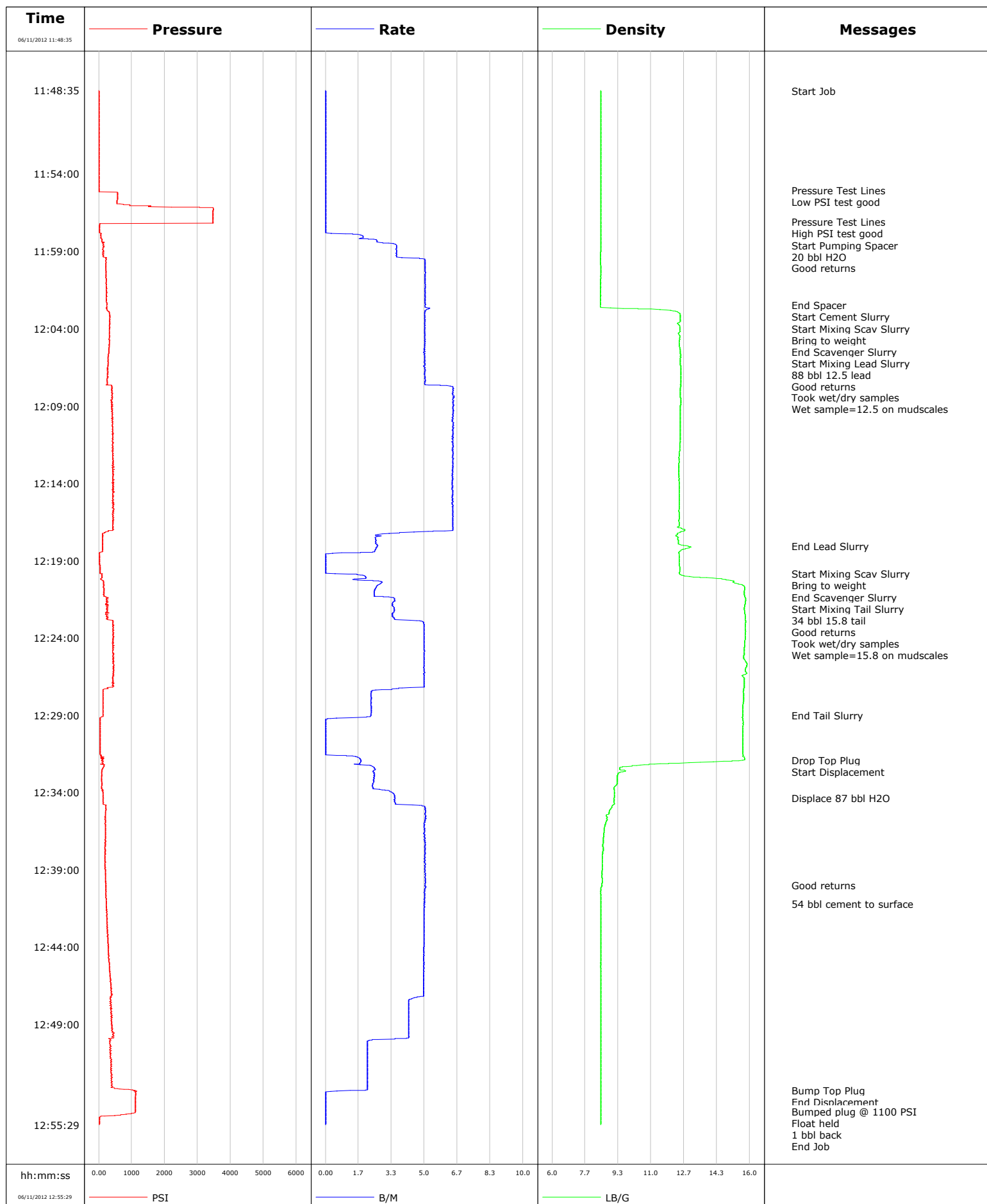


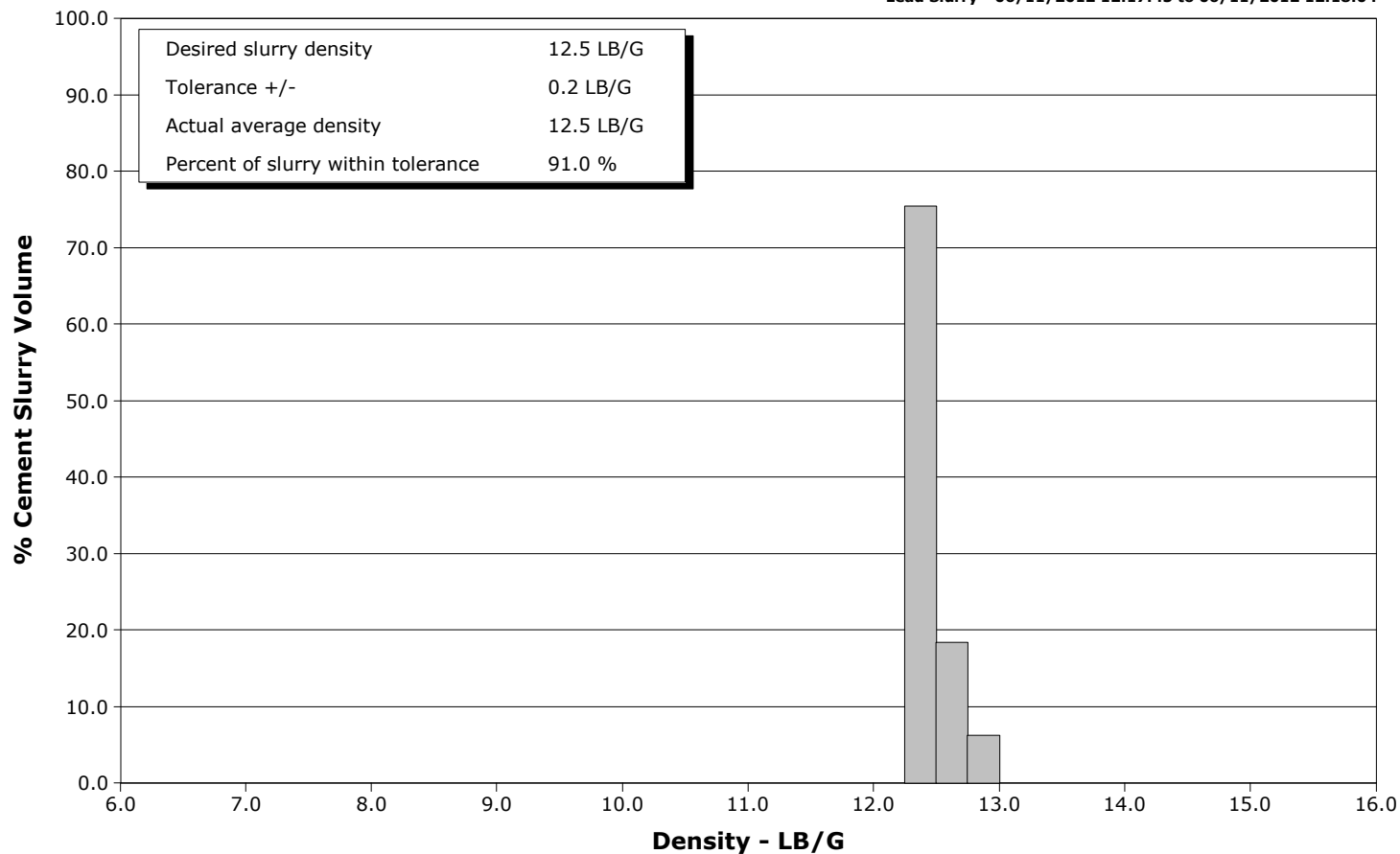
Well	Gardner 28-3D	Client	Encana
Field	Mamm Creek	SIR No.	C610-00063
Engineer	Matt Fair/Charles Peavey	Job Type	9 5/8" Surface
Country	United States	Job Date	06-11-2012



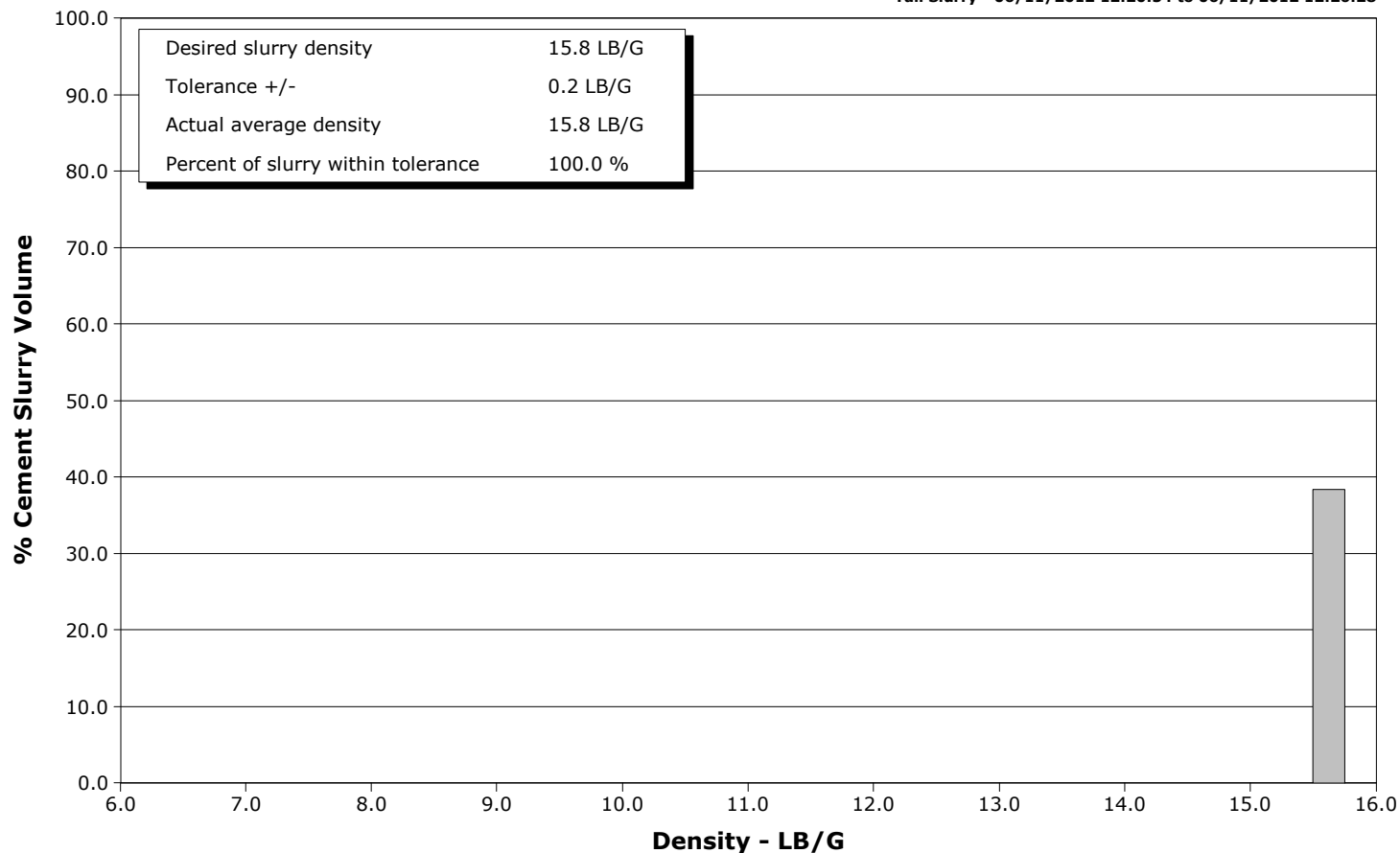
Well Gardner 28-3D
Field Mamm Creek
Engineer Matt Fair/Charles Peavey
Country United States

Client Encana
SIR No. C610-00063
Job Type 9 5/8" Surface
Job Date 06-11-2012

Lead Slurry - 06/11/2012 12:17:45 to 06/11/2012 12:18:04



Tail Slurry - 06/11/2012 12:20:54 to 06/11/2012 12:26:28



					Customer Encana			Job Number C610-00063									
Well Gardner 28-3D				Location (legal)			Schlumberger Location			Job Start Jun/11/2012							
Field Mamm Creek		Formation Name/Type Shale			Deviation deg		Bit Size 12.3 in		Well MD 1167.0 ft		Well TVD 1167.0 ft						
County Garfield		State/Province Colorado			BHP psi		BHST 95 degF		BHCT 81 degF		Pore Press. Gradient lb/gal						
Well Master 0631334543		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		1164.0		9.6		36.0		K55		8RD			
						0.0		0.0		0.0							
Drilling Fluid Type Bentonite		Max. Density 9.40 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 psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft			
						ft		ft						Diameter in			
						ft		ft									
						Treat Down Casing		Displacement 87.0 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. bbl		Casing Vol. 90.0 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 577 psi				Shoe Type Float				Squeeze Type									
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1164.0 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 Jun/11/2012 08:00		Arrived on Location Jun/11/2012 08:00		Leave Location Jun/11/2012		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 1119.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message										
06/11/2012	11:48:35	0.00	0	0.0	0.0	0.0	Started Acquisition										
06/11/2012	11:48:38	0.00	0	0.0	0.0	0.0	Start Job										
06/11/2012	11:51:05	0.00	0	0.0	0.0	0.0											
06/11/2012	11:53:35	0.00	0	0.0	0.0	0.0											
06/11/2012	11:55:03	0.00	0	0.0	0.0	0.0	Pressure Test Lines										
06/11/2012	11:55:04	0.00	0	0.0	0.0	0.0	Low PSI test good										
06/11/2012	11:56:05	8.46	1574	0.0	0.0	0.0											
06/11/2012	11:57:05	8.46	3468	0.0	0.0	0.0	Pressure Test Lines										
06/11/2012	11:57:06	8.45	3468	0.0	0.0	0.0	High PSI test good										
06/11/2012	11:58:08	8.46	70	1.9	0.5	0.5	Start Pumping Spacer										
06/11/2012	11:58:35	8.45	139	3.6	1.7	1.7											
06/11/2012	11:58:40	8.46	156	3.6	2.0	2.0	20 bbl H2O										
06/11/2012	12:00:04	8.45	232	5.0	7.9	7.9	Good returns										
06/11/2012	12:01:05	8.45	231	5.1	13.1	13.1											
06/11/2012	12:02:29	8.45	238	5.0	20.1	20.1	End Spacer										
06/11/2012	12:02:33	8.45	242	5.1	20.4	20.4	Start Cement Slurry										
06/11/2012	12:02:35	8.45	253	5.0	20.6	20.6	Start Mixing Scav Slurry										
06/11/2012	12:02:36	8.45	239	5.0	20.7	20.7	Bring to weight										
06/11/2012	12:03:16	12.49	345	5.0	24.1	24.1	End Scavenger Slurry										
06/11/2012	12:03:18	12.49	339	5.0	24.3	24.3	Start Mixing Lead Slurry										
06/11/2012	12:03:20	12.48	329	5.0	24.4	24.4	88 bbl 12.5 lead										

Well Gardner 28-3D			Field Mamm Creek		Job Start Jun/11/2012		Customer Encana		Job Number C610-00063
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message		
06/11/2012	12:05:55	12.49	282	5.0	10.0	37.4	Good returns		
06/11/2012	12:06:05	12.49	282	5.0	10.8	38.2			
06/11/2012	12:08:26	12.49	414	6.5	23.7	51.1	Took wet/dry samples		
06/11/2012	12:08:27	12.49	433	6.5	23.8	51.2	Wet sample=12.5 on mudscales		
06/11/2012	12:08:35	12.51	408	6.4	24.7	52.1			
06/11/2012	12:11:05	12.48	422	6.5	40.8	68.2			
06/11/2012	12:13:35	12.42	422	6.4	56.9	84.3			
06/11/2012	12:16:05	12.43	440	6.4	73.0	100.4			
06/11/2012	12:18:04	12.77	112	2.6	82.3	109.7	End Lead Slurry		
06/11/2012	12:18:35	12.43	26	0.0	83.4	110.8			
06/11/2012	12:19:51	12.45	39	0.5	0.0	110.8	Start Mixing Scav Slurry		
06/11/2012	12:19:54	12.45	86	1.6	0.0	110.9	Bring to weight		
06/11/2012	12:20:53	15.74	153	2.5	2.3	113.2	End Scavenger Slurry		
06/11/2012	12:20:54	15.74	147	2.5	2.4	113.2	Start Mixing Tail Slurry		
06/11/2012	12:20:55	15.74	160	2.5	2.4	113.3	34 bbl 15.8 tail		
06/11/2012	12:21:05	15.71	159	2.5	2.8	113.7			
06/11/2012	12:21:45	15.77	249	3.4	4.9	115.7	Good returns		
06/11/2012	12:22:58	15.79	431	4.9	9.2	120.1	Took wet/dry samples		
06/11/2012	12:22:59	15.79	431	5.0	9.3	120.1	Wet sample=15.8 on mudscales		
06/11/2012	12:23:35	15.78	435	5.0	12.3	123.1			
06/11/2012	12:26:05	15.77	452	5.0	24.8	135.6			
06/11/2012	12:28:35	15.64	127	2.3	33.8	144.6			
06/11/2012	12:29:00	15.64	126	2.3	34.7	145.6	End Tail Slurry		
06/11/2012	12:31:05	15.65	39	0.0	35.1	146.0			
06/11/2012	12:31:53	15.74	116	1.8	0.4	146.4	Drop Top Plug		
06/11/2012	12:33:35	9.22	92	2.4	4.4	150.3			
06/11/2012	12:34:20	9.14	126	3.5	6.7	152.6	Displace 87 bbl H2O		
06/11/2012	12:36:05	8.69	197	5.0	14.8	160.7			
06/11/2012	12:40:00	8.52	213	5.0	34.5	180.4	Good returns		
06/11/2012	12:41:05	8.45	233	5.0	39.9	185.9			
06/11/2012	12:41:11	8.45	229	5.0	40.4	186.4	54 bbl cement to surface		
06/11/2012	12:43:35	8.45	276	5.0	52.4	198.3			
06/11/2012	12:46:05	8.45	349	5.0	64.8	210.8			
06/11/2012	12:48:35	8.45	417	4.2	76.2	222.2			
06/11/2012	12:51:05	8.45	344	2.1	84.4	230.3			
06/11/2012	12:53:15	8.45	1015	2.0	89.0	234.9	Bump Top Plug		
06/11/2012	12:53:16	8.45	1101	2.0	89.0	235.0	End Displacement		
06/11/2012	12:53:35	8.45	1115	0.0	89.1	235.0			
06/11/2012	12:54:37	8.45	1116	0.0	89.1	235.0	Bumped plug @ 1100 PSI		
06/11/2012	12:55:02	8.45	24	0.0	89.1	235.0	Float held		
06/11/2012	12:55:17	8.45	25	0.0	89.1	235.0	1 bbl back		

Well Gardner 28-3D	Field Mamm Creek	Job Start Jun/11/2012	Customer Encana	Job Number C610-00063
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.5	N2	Mud	Maximum Rate 6.5		Total Slurry 122.0	Mud 0.0	Spacer 20.1	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3478	Final 25	Average 353	Bump Plug to 1100	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 122.0 bbl	Displacement 84.9 bbl	Mix Water Temp 67 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 54.0 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 28-3D
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	Jun/11/2012
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:
	Water-009750, 009630 Lead-010095 Tail-009601
Client Signature:	Schlumberger Signature: