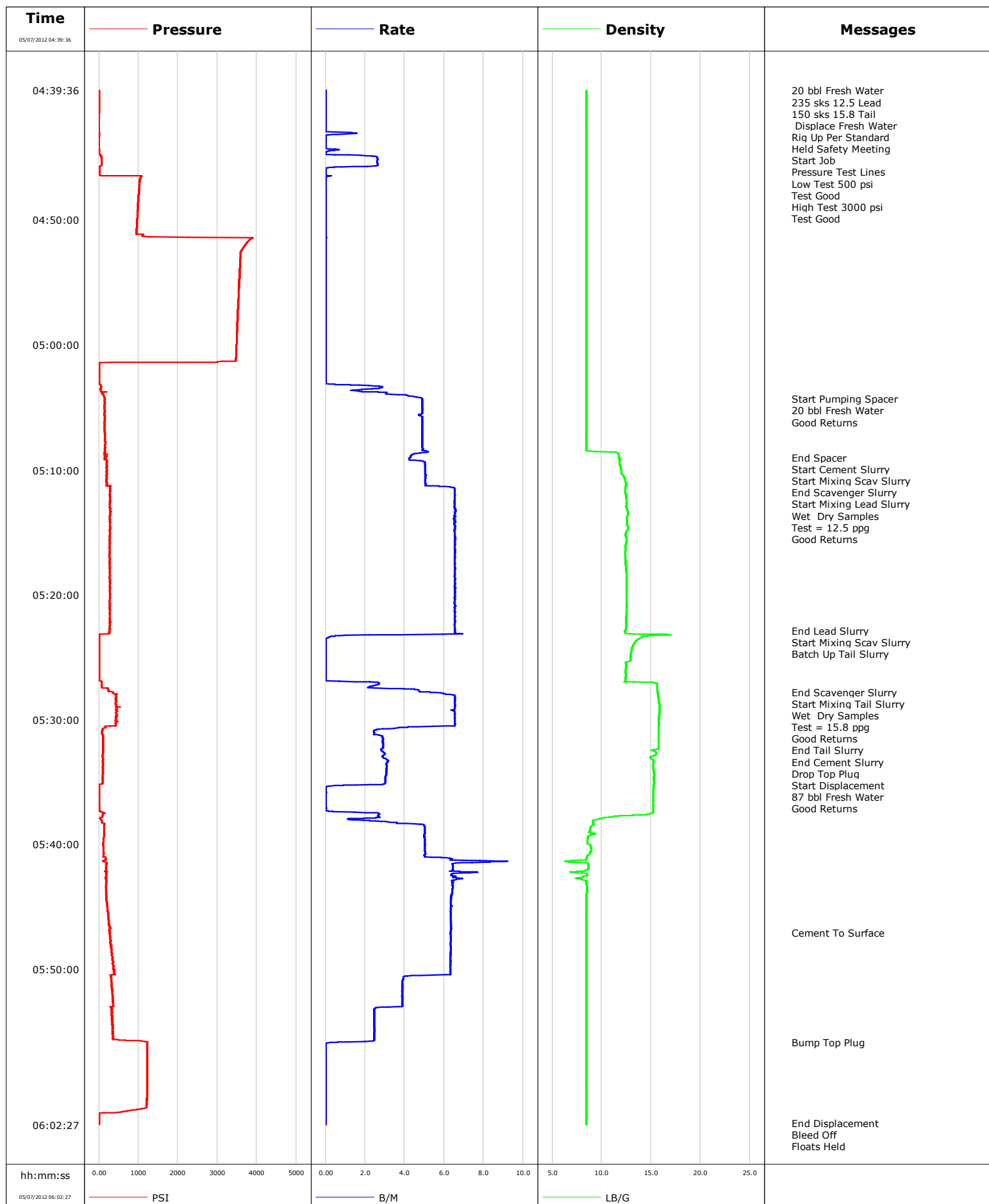


<b>Well</b>	Gardner Federal 28-2A	<b>Client</b>	Encana
<b>Field</b>	Battlement Mesa	<b>SIR No.</b>	
<b>Engineer</b>		<b>Job Type</b>	9 5/8 Surface
<b>Country</b>	United States	<b>Job Date</b>	05-07-2012

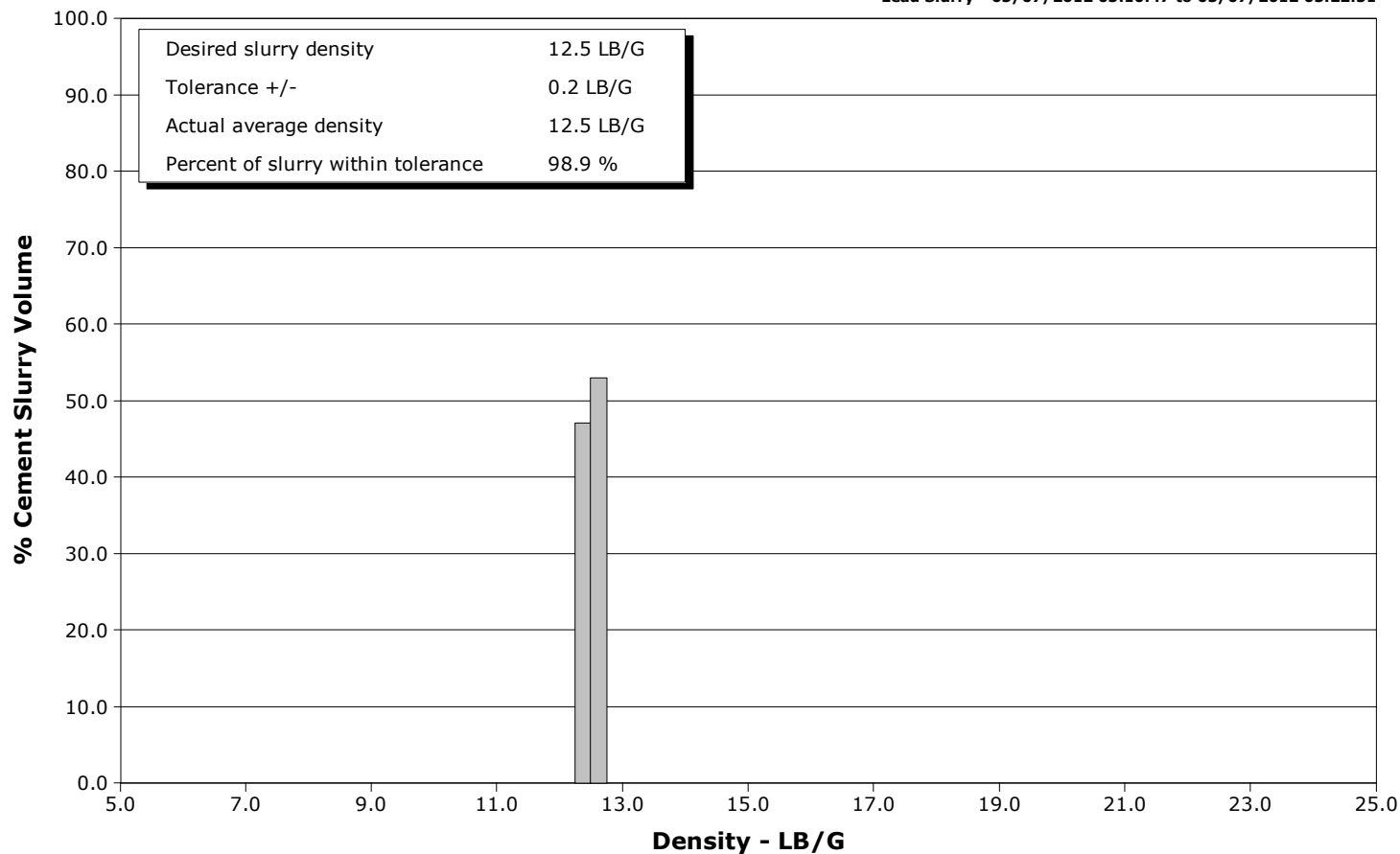


# Schlumberger Cementing Qa/Qc Density Report

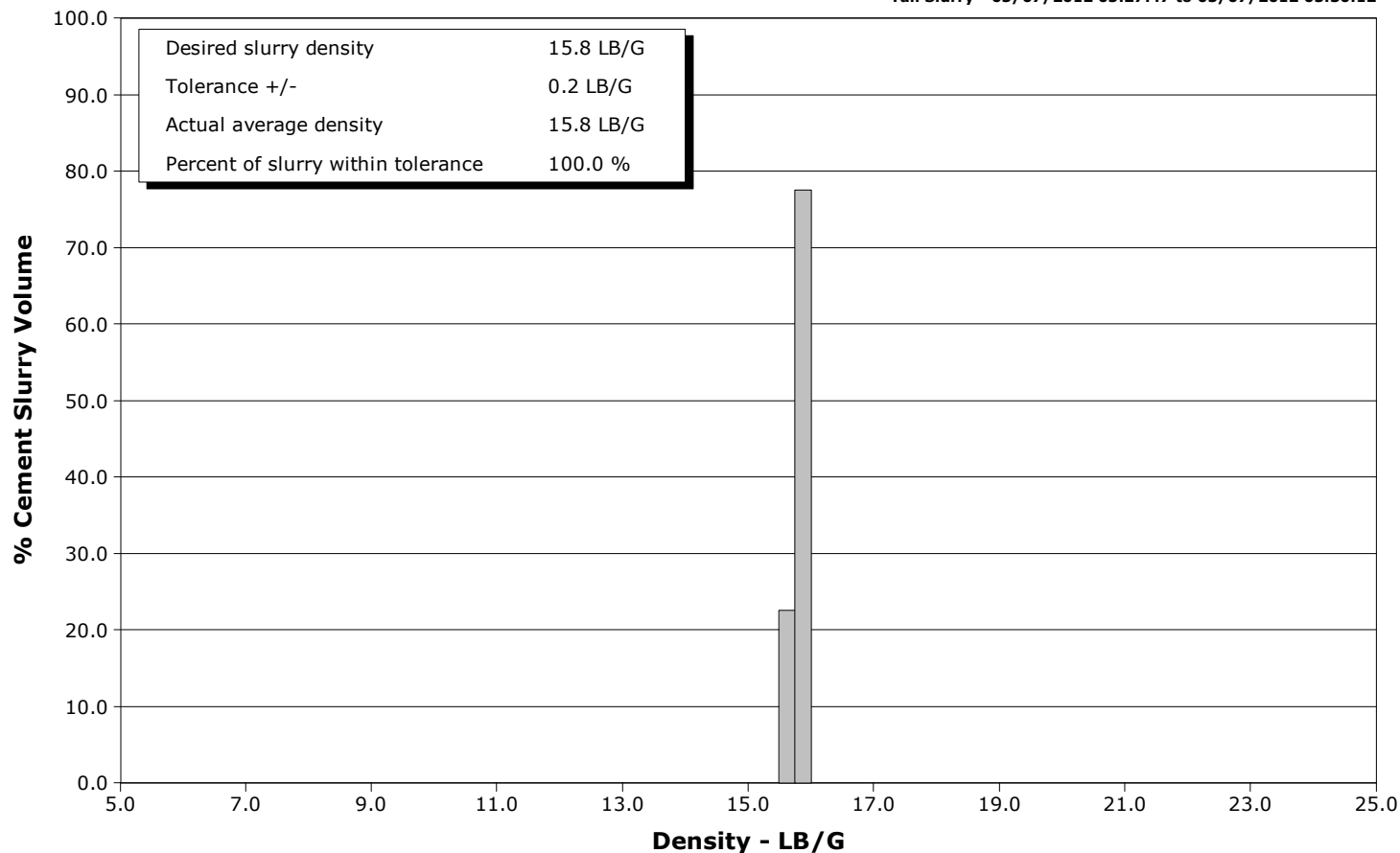
**Well** Gardner Federal 28-2A  
**Field** Battlement Mesa  
**Engineer**  
**Country** United States

**Client** Encana  
**SIR No.**  
**Job Type** 9 5/8 Surface  
**Job Date** 05-07-2012

**Lead Slurry - 05/07/2012 05:10:47 to 05/07/2012 05:22:51**



**Tail Slurry - 05/07/2012 05:27:47 to 05/07/2012 05:30:12**





# Cementing Service Report

				Customer Encana		Job Number C610-00046		
Well Gardner Federal 28-2A			Location (legal)		Schlumberger Location GCO		Job Start May/07/2012	
Field Battlement Mesa		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 114.0 ft		Well TVD
County Garfield		State/Province Colorado		BHP	BHST 95 degF	BHCT 81 degF	Pore Press. Gradient	
Well Master		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			
			1146.0	9.630	36.0			
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 235 sks 12.5 Lead 150 sks 15.8 Tail Displace Fresh Water								
Treat Down Casing		Displacement 87.0 bbl		Packer Type		Packer Depth		
Tubing Vol.		Casing Vol. 88.0 bbl		Annular Vol. 69.0 bbl		Openhole Vol. 162.0 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 567 psi			Shoe Type Guide			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1146.0 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/07/2012		Arrived on Location May/07/2012	Leave Location May/07/2012	Collar Type Float			Tail Pipe Depth	
				Collar Depth 1121.0 ft			Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
05/07/2012	04:10:07					Started Acquisition		
05/07/2012	04:39:36					20 bbl Fresh Water		
05/07/2012	04:39:36	2	0.0	8.47	0.0			
05/07/2012	04:39:37					235 sks 12.5 Lead		
05/07/2012	04:39:37					150 sks 15.8 Tail		
05/07/2012	04:39:37					Displace Fresh Water		
05/07/2012	04:39:37					Rig Up Per Standard		
05/07/2012	04:39:37					Held Safety Meeting		
05/07/2012	04:39:37	2	0.0	8.47	0.0			
05/07/2012	04:39:39					Start Job		
05/07/2012	04:39:39	2	0.0	8.47	0.0			
05/07/2012	04:39:41					Pressure Test Lines		
05/07/2012	04:39:41	2	0.0	8.47	0.0			
05/07/2012	04:39:43					Low Test 500 psi		
05/07/2012	04:39:43					Test Good		
05/07/2012	04:39:43	2	0.0	8.47	0.0			
05/07/2012	04:39:44					High Test 3000 psi		
05/07/2012	04:39:44					Test Good		
05/07/2012	04:39:44	2	0.0	8.47	0.0			
05/07/2012	04:40:07	2	0.0	8.47	0.0			
05/07/2012	04:42:07	-1	0.0	8.47	0.0			

Well			Field		Job Start	Customer	Job Number
Gardner Federal 28-2A			Battlement Mesa		May/07/2012	Encana	C610-00046
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/07/2012	04:46:07	15	0.0	8.46	2.8		
05/07/2012	04:48:07	1003	0.0	8.46	2.8		
05/07/2012	04:50:07	964	0.0	8.46	2.8		
05/07/2012	04:52:07	3677	0.0	8.46	2.8		
05/07/2012	04:54:07	3563	0.0	8.46	2.8		
05/07/2012	04:56:07	3533	0.0	8.46	2.8		
05/07/2012	04:58:07	3505	0.0	8.46	2.8		
05/07/2012	05:00:07	3479	0.0	8.46	2.8		
05/07/2012	05:02:07	11	0.0	8.46	2.8		
05/07/2012	05:04:07	128	4.4	8.45	5.3		
05/07/2012	05:04:18					Start Pumping Spacer	
05/07/2012	05:04:18	147	4.9	8.45	6.1		
05/07/2012	05:04:19					20 bbl Fresh Water	
05/07/2012	05:04:19					Good Returns	
05/07/2012	05:04:19	147	4.9	8.45	6.2		
05/07/2012	05:06:07	138	4.9	8.45	15.0		
05/07/2012	05:08:07	149	4.9	8.45	24.8		
05/07/2012	05:09:00					End Spacer	
05/07/2012	05:09:00	189	4.3	11.74	29.0		
05/07/2012	05:09:01					Start Cement Slurry	
05/07/2012	05:09:01					Start Mixing Scav Slurry	
05/07/2012	05:09:01	189	4.3	11.76	29.1		
05/07/2012	05:10:07	199	5.0	12.01	34.4		
05/07/2012	05:10:46					End Scavenger Slurry	
05/07/2012	05:10:46	208	5.0	12.38	37.7		
05/07/2012	05:10:47					Start Mixing Lead Slurry	
05/07/2012	05:10:47	204	5.0	12.37	37.8		
05/07/2012	05:10:48					Wet Dry Samples	
05/07/2012	05:10:48					Test = 12.5 ppg	
05/07/2012	05:10:48					Good Returns	
05/07/2012	05:10:48	191	5.0	12.37	37.9		
05/07/2012	05:12:07	281	6.5	12.47	45.7		
05/07/2012	05:14:07	277	6.5	12.59	58.7		
05/07/2012	05:16:07	270	6.5	12.43	71.8		
05/07/2012	05:18:07	278	6.5	12.49	84.9		
05/07/2012	05:20:07	274	6.5	12.52	98.0		
05/07/2012	05:22:07	274	6.5	12.48	111.1		
05/07/2012	05:22:51					End Lead Slurry	
05/07/2012	05:22:51					Start Mixing Scav Slurry	
05/07/2012	05:22:51	275	6.5	12.43	115.9		
05/07/2012	05:23:43					Batch Up Tail Slurry	
05/07/2012	05:23:43	7	0.0	13.49	118.3		
05/07/2012	05:24:07	7	0.0	13.17	118.3		
05/07/2012	05:26:07	9	0.0	12.45	118.3		
05/07/2012	05:27:47					End Scavenger Slurry	
05/07/2012	05:27:47					Start Mixing Tail Slurry	
05/07/2012	05:27:47	354	4.7	15.67	120.9		
05/07/2012	05:27:48					Wet Dry Samples	
05/07/2012	05:27:48					Test = 15.8 ppg	
05/07/2012	05:27:48					Good Returns	
05/07/2012	05:27:48	354	4.9	15.67	121.0		
05/07/2012	05:28:07	422	6.5	15.71	122.9		
05/07/2012	05:30:07	436	6.5	15.78	136.0		
05/07/2012	05:30:12					End Tail Slurry	

Well			Field		Job Start	Customer	Job Number
Gardner Federal 28-2A			Battlement Mesa		May/07/2012	Encana	C610-00046
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/07/2012	05:30:13					End Cement Slurry	
05/07/2012	05:30:13	449	6.5	15.79	136.6		
05/07/2012	05:30:15					Drop Top Plug	
05/07/2012	05:30:15	453	6.5	15.79	136.9		
05/07/2012	05:30:16					Start Displacement	
05/07/2012	05:30:16	421	6.5	15.79	137.0		
05/07/2012	05:30:17					87 bbl Fresh Water	
05/07/2012	05:30:17					Good Returns	
05/07/2012	05:30:17	421	6.5	15.79	137.1		
05/07/2012	05:32:07	108	2.9	15.76	143.4		
05/07/2012	05:34:07	99	3.1	15.25	149.4		
05/07/2012	05:36:07	3	0.0	15.22	152.8		
05/07/2012	05:38:07	79	2.2	9.14	154.5		
05/07/2012	05:40:07	110	5.0	8.90	164.1		
05/07/2012	05:42:07	183	6.4	8.32	176.0		
05/07/2012	05:44:07	187	6.4	8.45	189.0		
05/07/2012	05:46:07	253	6.3	8.45	201.7		
05/07/2012	05:47:04					Cement To Surface	
05/07/2012	05:47:04	282	6.3	8.45	207.7		
05/07/2012	05:48:07	322	6.3	8.45	214.3		
05/07/2012	05:50:07	399	6.3	8.45	227.0		
05/07/2012	05:52:07	346	3.9	8.45	235.7		
05/07/2012	05:54:07	344	2.5	8.45	241.9		
05/07/2012	05:55:49					Bump Top Plug	
05/07/2012	05:55:49	1228	1.2	8.45	246.1		
05/07/2012	05:56:07	1222	0.0	8.45	246.1		
05/07/2012	05:58:07	1218	0.0	8.46	246.1		
05/07/2012	06:00:07	1215	0.0	8.46	246.1		
05/07/2012	06:02:07	2	0.0	8.46	246.1		
05/07/2012	06:02:19					End Displacement	
05/07/2012	06:02:19	2	0.0	8.46	246.1		
05/07/2012	06:02:21					Bleed Off	
05/07/2012	06:02:21					Floats Held	
05/07/2012	06:02:21					1/2 bbl Back	
05/07/2012	06:02:21					45 bbl Cement To Surface	
05/07/2012	06:02:21					Rig Down	
05/07/2012	06:02:21	2	0.0	8.46	246.1		
05/07/2012	06:02:24					End Job	
05/07/2012	06:02:24	2	0.0	8.46	246.1		

<b>Well</b> Gardner Federal 28-2A	<b>Field</b> Battlement Mesa	<b>Job Start</b> May/07/2012	<b>Customer</b> Encana	<b>Job Number</b> C610-00046
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Post Job Summary

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



<b>Service Order #:</b>	
<b>Date:</b>	May/07/2012
<b>Operating Time:</b>	0.0
<b>Client Rep:</b>	Encana
<b>Schlumberger Engineer:</b>	Jordan Moreland
<b>Schlumberger FSM:</b>	

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

<b>4</b>	<b>Evaluation</b>					
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0	
					Sub-total	0%

**Comments:** (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

<b>Client:</b>	<b>Schlumberger:</b>
<b>Client Signature:</b>	<b>Schlumberger Signature:</b>