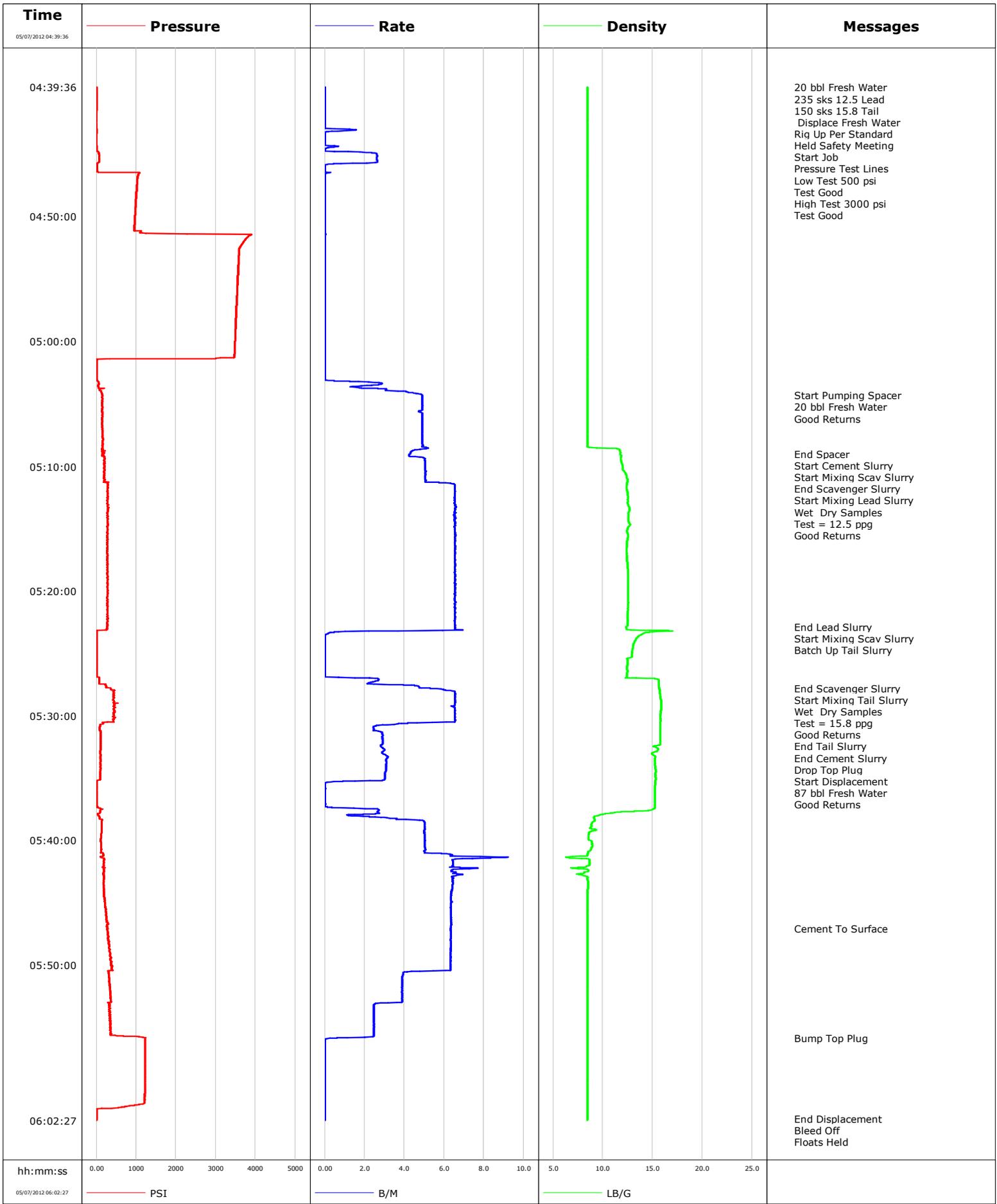


<b>Well</b>	Gardner Federal 28-2A	<b>Client</b>	Encana
<b>Field</b>	Battlement Mesa	<b>SIR No.</b>	
<b>Engineer</b>		<b>Job Type</b>	9 5/8 Surface
<b>Country</b>	United States	<b>Job Date</b>	05-07-2012

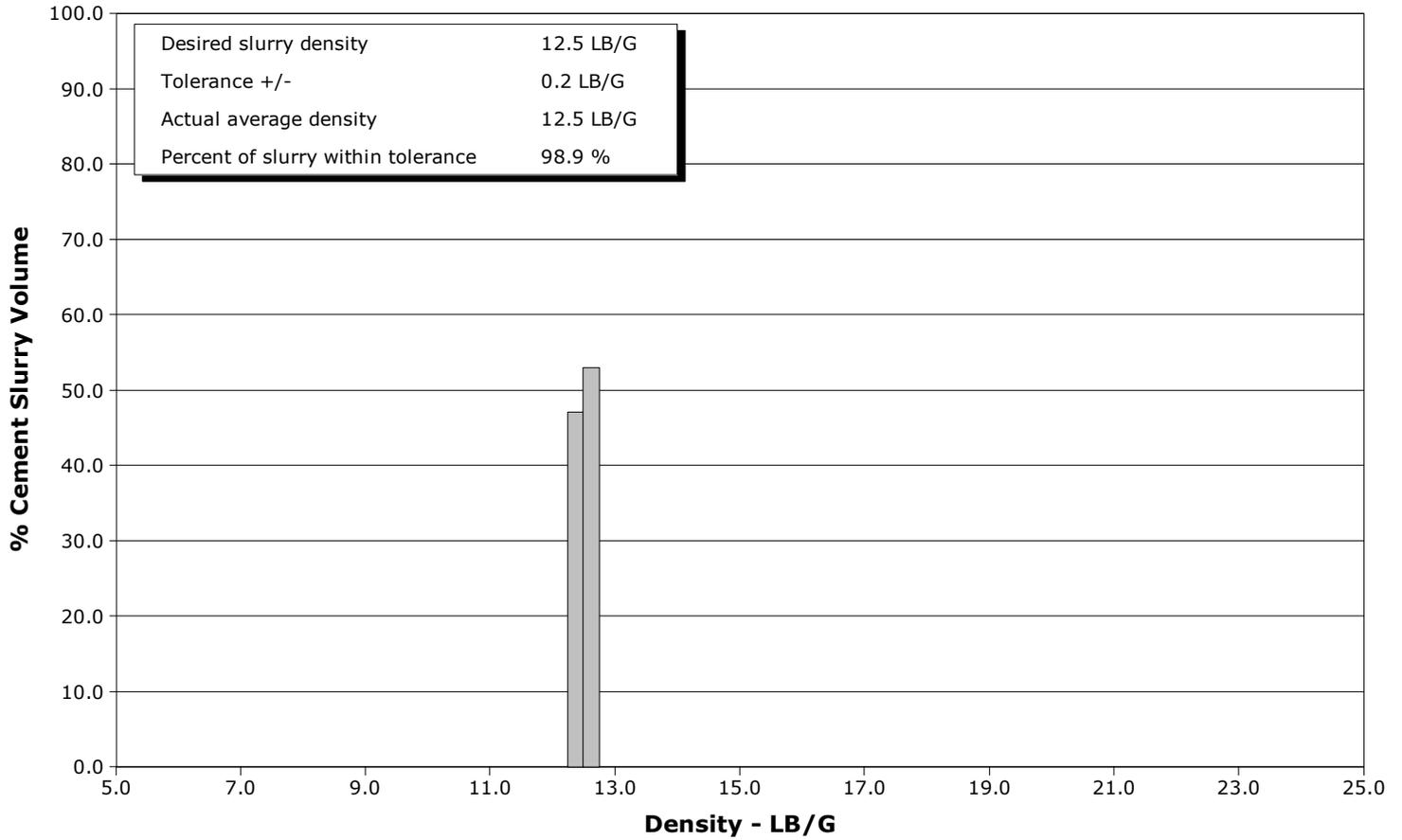


# Schlumberger Cementing Qa/Qc Density Report

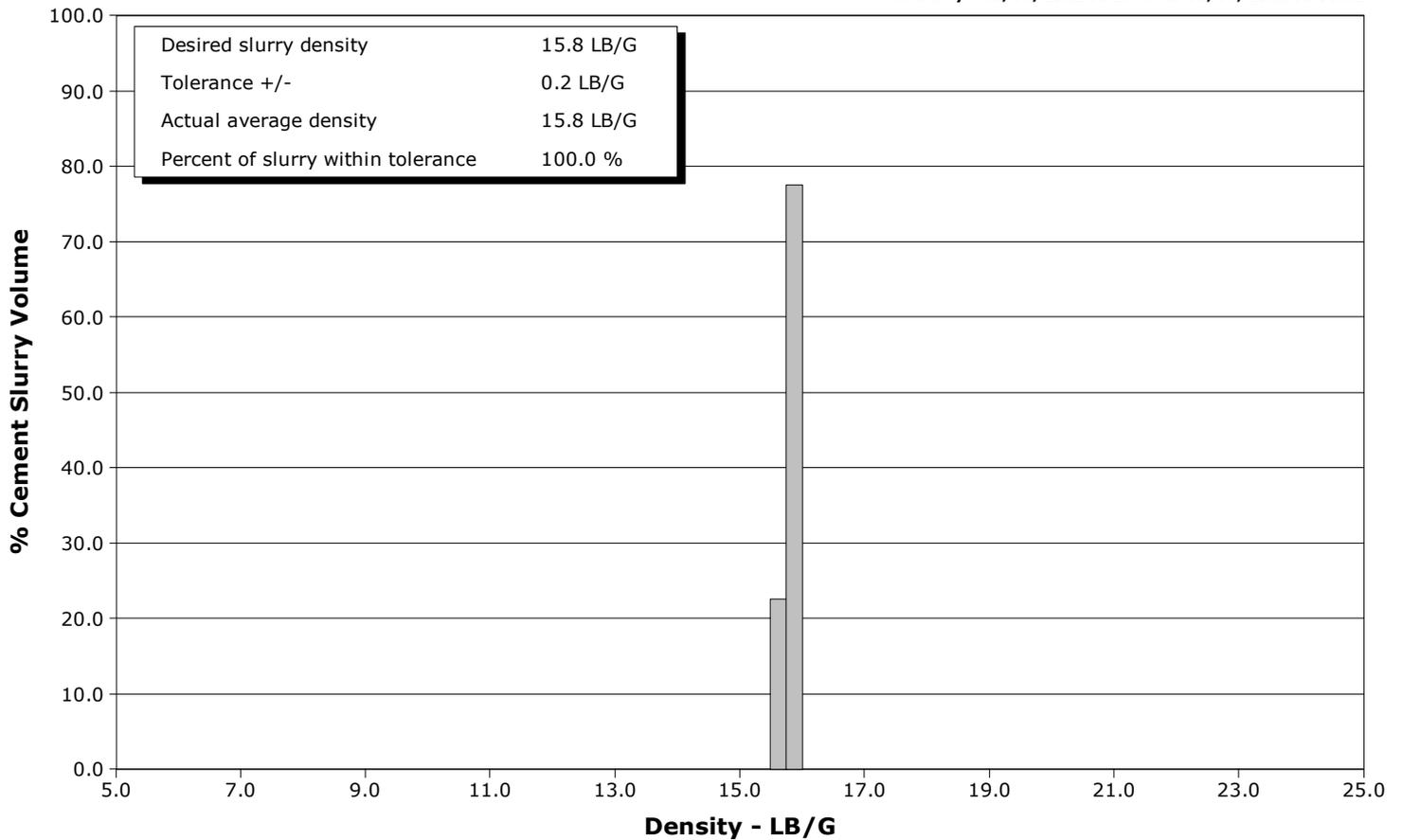
**Well** Gardner Federal 28-2A  
**Field** Battlement Mesa  
**Engineer**  
**Country** United States

**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**



<b>Customer</b> Encana	<b>Job Number</b> C610-00046
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<b>Well</b> Gardner Federal 28-2A	<b>Location (legal)</b>	<b>Schlumberger Location</b> GCO	<b>Job Start</b> May/07/2012
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<b>Field</b> Battlement Mesa	<b>Formation Name/Type</b> Shale	<b>Deviation</b>	<b>Bit Size</b> 12.3 in	<b>Well MD</b> 114.0 ft	<b>Well TVD</b>
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<b>County</b> Garfield	<b>State/Province</b> Colorado	<b>BHP</b>	<b>BHST</b> 95 degF	<b>BHCT</b> 81 degF	<b>Pore Press. Gradient</b>
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<b>Well Master</b>	<b>API/UWI</b>	<b>Casing/Liner</b>			
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<b>Rig Name</b> Nabors M13	<b>Drilled For</b> Gas	<b>Service Via</b> Land	<b>Depth, ft</b>	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>
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<b>Offshore Zone</b>	<b>Well Class</b> New	<b>Well Type</b> Development	60.0	16.000	65.0		
			1146.0	9.630	36.0		

<b>Drilling Fluid Type</b>	<b>Max. Density</b>	<b>Plastic Viscosity</b>	<b>Tubing/Drill Pipe</b>				
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<b>Service Line</b> Cementing	<b>Job Type</b> 9 5/8 Surface	<b>Perforations/Open Hole</b>				
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<b>Max. Allowed Tub. Press</b> 3000 psi	<b>Max. Allowed Ann. Press</b>	<b>WH Connection</b> Single Cement head	<b>Top,</b>	<b>Bottom,</b>	<b>No. of Shots</b>	<b>Total Interval</b>
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<b>Service Instructions</b> Rate And Density Checked 20 bbl Fresh Water 235 sks 12.5 Lead 150 sks 15.8 Tail Displace Fresh Water						
			<b>Treat Down</b> Casing		<b>Displacement</b> 87.0 bbl	
			<b>Tubing Vol.</b>		<b>Annular Vol.</b> 69.0 bbl	
			<b>Casing Vol.</b> 88.0 bbl		<b>Openhole Vol.</b> 162.0 bbl	
			<b>Packer Type</b>		<b>Packer Depth</b>	

<b>Casing/Tubing Secured</b> <input checked="" type="checkbox"/>	<b>1 Hole Vol. Circulated prior to Cement</b> <input checked="" type="checkbox"/>	<b>Casing Tools</b>			<b>Squeeze Job</b>	
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<b>Lift Pressure</b> 567 psi	<b>Shoe Type</b> Guide	<b>Squeeze Type</b>
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<b>Pipe Rotated</b> <input type="checkbox"/>	<b>Pipe Reciprocated</b> <input type="checkbox"/>	<b>Shoe Depth</b> 1146.0 ft	<b>Tool Type</b>
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<b>No. Centralizers</b>	<b>Top Plugs</b> 1	<b>Bottom Plugs</b>	<b>Stage Tool Type</b>	<b>Tool Depth</b>
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<b>Cement Head Type</b> Single	<b>Stage Tool Depth</b>	<b>Tail Pipe Size</b>
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<b>Job Scheduled For</b> May/07/2012	<b>Arrived on Location</b> May/07/2012	<b>Leave Location</b> May/07/2012	<b>Collar Type</b> Float	<b>Tail Pipe Depth</b>
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			<b>Collar Depth</b> 1121.0 ft	<b>Sqz. Total Vol.</b>
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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 Gardner Federal 28-2A			Field Battlement Mesa		Job Start May/07/2012	Customer Encana		Job Number 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?	Volume		
				60 degF	Washed Thru Perfs	To		
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed		
Erasmus Parras			Jordan Moreland		-	-		

<b>Client:</b>	Encana
<b>Field:</b>	Battlement Mesa
<b>Rig:</b>	Nabors M13
<b>Well:</b>	Gardner Federal 28-2A
<b>Service Line:</b>	Cementing
<b>Job Type:</b>	9 5/8 Surface

<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>	

**Main Objective:**

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

		Score	Yes / No		Result
<b>1</b>	<b>HSE</b>				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1c	Free of RIRs	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1d	Wellsite left clean	4	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

<b>2</b>	<b>Design / Preparation</b>				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

<b>3</b>	<b>Execution</b>				
3a	Lost time < 30 mins	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested successfully	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested successfully	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped per design	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

<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%

**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>