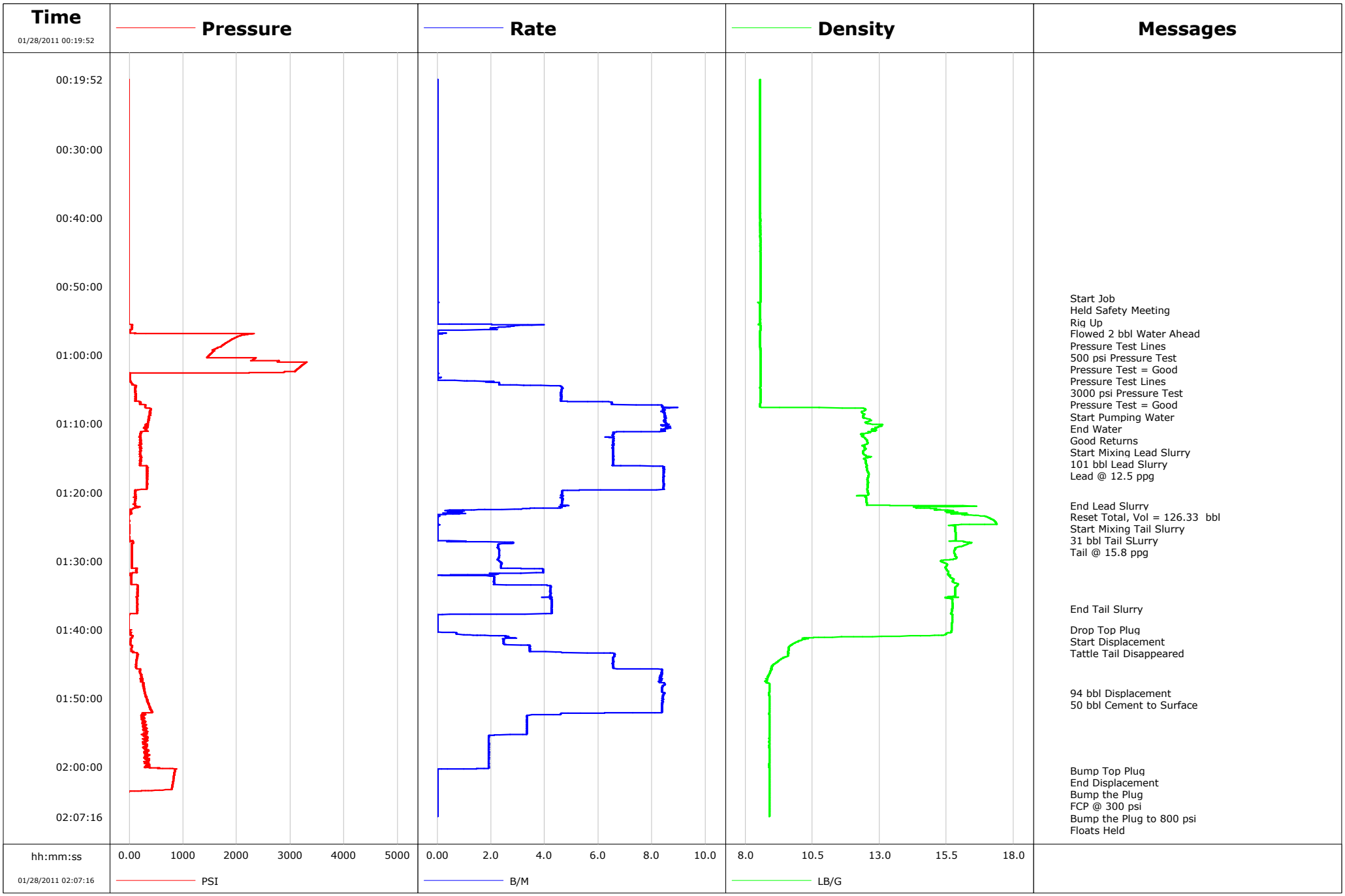
Schlumberger Cementing Job Report

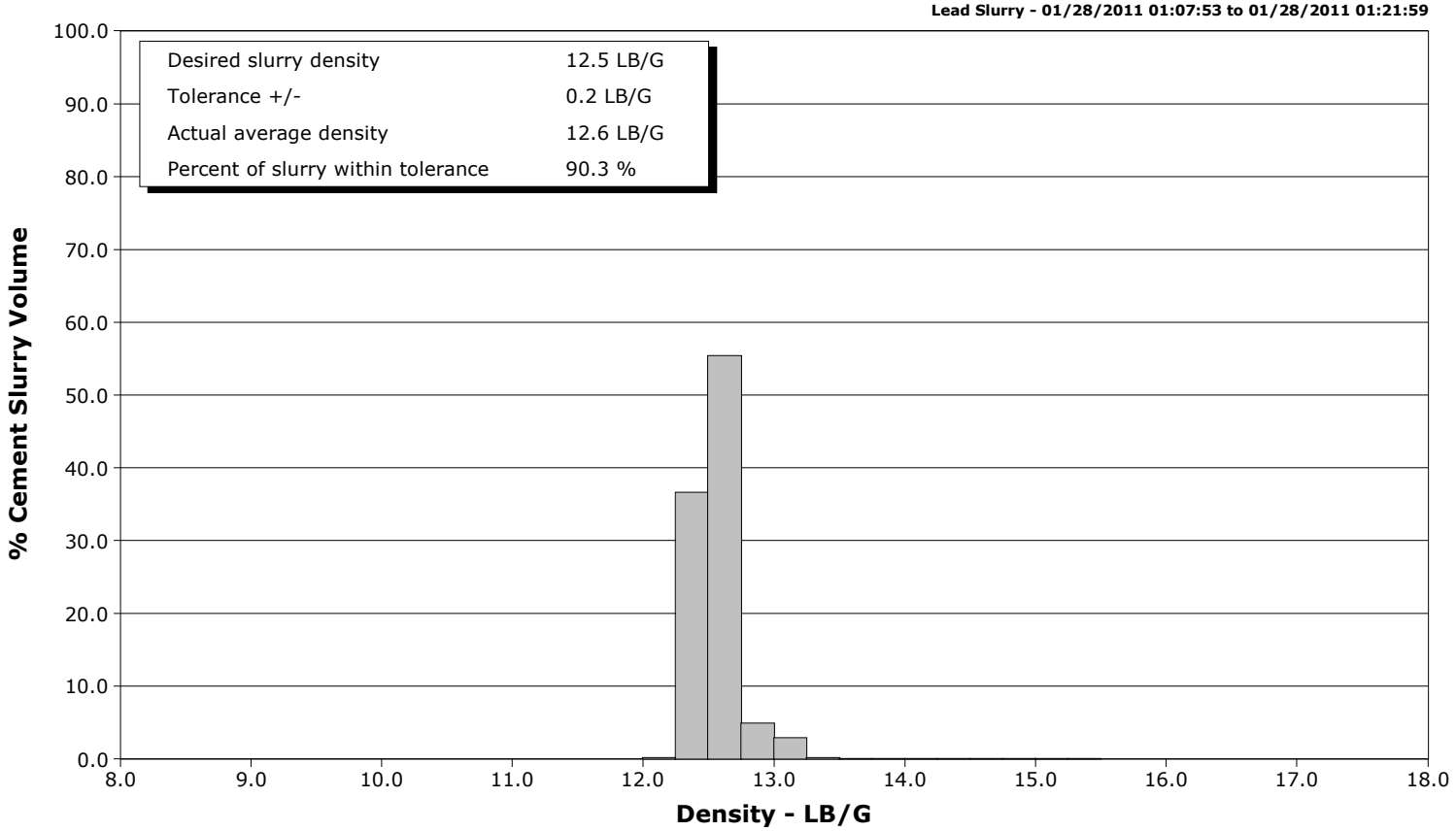
Well	GMR 8-12C1	**Client**	EnCana
Field		**SIR No.**	B7O8-00307
Engineer	Ryan Bowditch	**Job Type**	9 5/8" Surface Casing
Country	United States	**Job Date**	01-28-2011



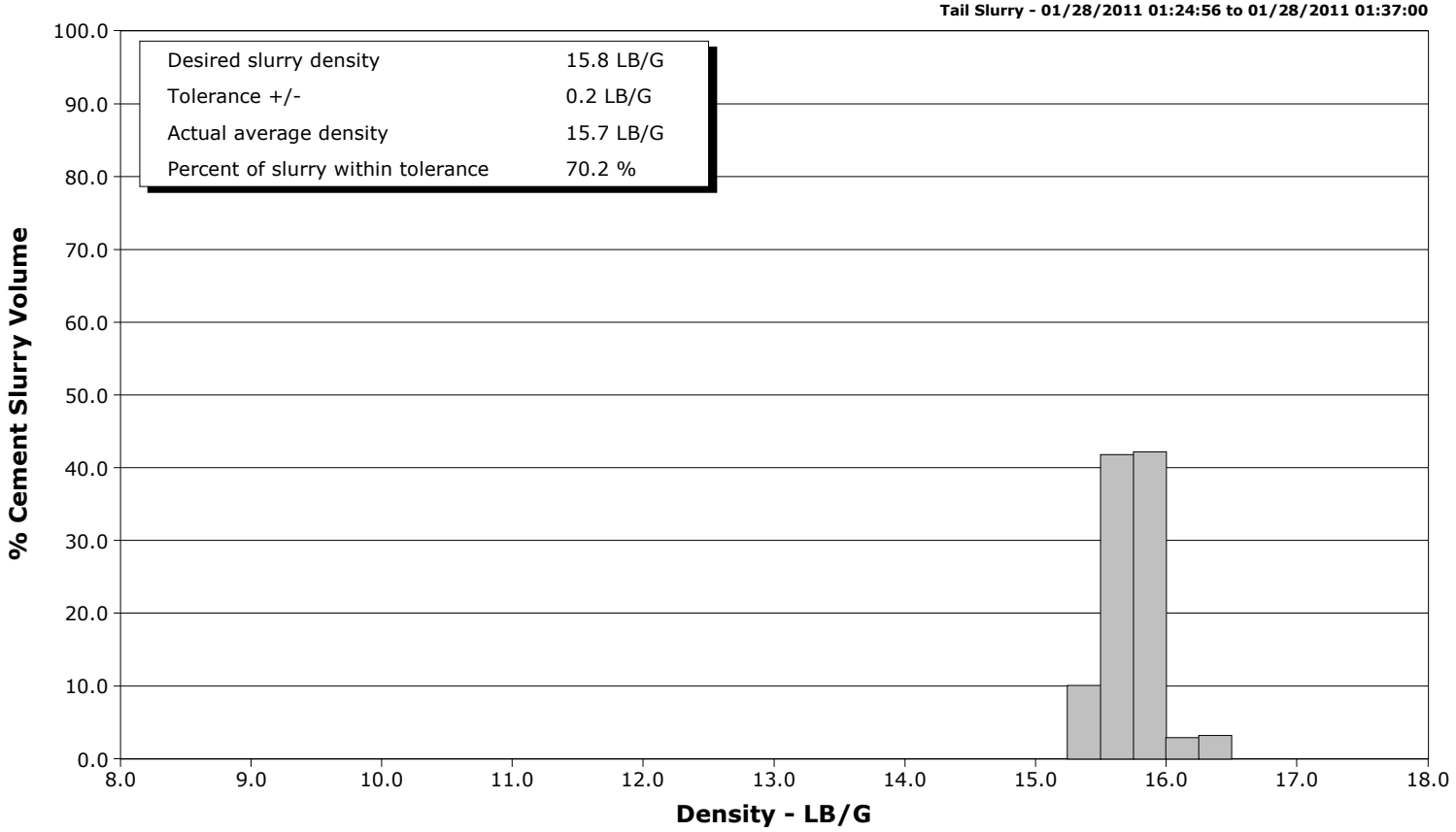
Schlumberger Cementing Qa/Qc Density Report

Well	GMR 8-12C1	**Client**	EnCana
Field		**SIR No.**	B7O8-00307
Engineer	Ryan Bowditch	**Job Type**	9 5/8" Surface Casing
Country	United States	**Job Date**	01-28-2011

Lead Slurry - 01/28/2011 01:07:53 to 01/28/2011 01:21:59



Tail Slurry - 01/28/2011 01:24:56 to 01/28/2011 01:37:00



Schlumberger

Cementing Service Report

Customer	Job Number
EnCana	B7O8-00307

Well	Location (legal)	Schlumberger Location	Job Start
GMR 8-12C1	K8W	Grand Junction, CO	Jan/28/2011

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
	Shale	0 deg	12.3 in	1264.0 ft	1264.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Garfield	Colorado	psi	100 degF	83 degF	lb/gal

Well Master	API/UWI

Rig Name	Drilled For	Service Via
Patterson 330	Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
Bentonite	9.50 lb/gal	14.000 cP

Service Line	Job Type
Cementing	9 5/8" Surface Casing

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	Single Cement head

Service Instructions

Cement 9 5/8" Surface Casing with:
20 bbl Water
101 bbl 12.5 ppg Lead (269 sks)
31 bbl 15.8 ppg Tail (149 sks)

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
60.0	16.0	65.0		
1264.0	9.6	36.0	J55	8RD

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
ft	ft			ft
ft	ft			Diameter
ft	ft			in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	93.4 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
bbl	97.7 bbl	75.0 bbl	178.0 bbl

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement
X	X

Lift Pressure	Pipe Rotated	Pipe Reciprocated
300 psi	☐	☐

No. Centralizers	Top Plugs	Bottom Plugs
	1	

Cement Head Type
Single

Job Scheduled For	Arrived on Location	Leave Location
Jan/28/2011	Jan/28/2011	Jan/28/2011

Casing Tools

Shoe Type	Guide
Shoe Depth	1264.0 ft
Stage Tool Type	
Stage Tool Depth	ft
Collar Type	Float
Collar Depth	1219.0 ft

Squeeze Job

Squeeze Type	
Tool Type	
Tool Depth	ft
Tail Pipe Size	in
Tail Pipe Depth	ft
Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
01/28/2011	00:19:52	-15	0.0	8.54	0.0	Started Acquisition
01/28/2011	00:21:32	-15	0.0	8.54	0.0	
01/28/2011	00:24:52	-15	0.0	8.55	0.0	
01/28/2011	00:26:32	-15	0.0	8.55	0.0	
01/28/2011	00:28:12	-15	0.0	8.55	0.0	
01/28/2011	00:29:52	-16	0.0	8.55	0.0	
01/28/2011	00:31:32	-16	0.0	8.55	0.0	
01/28/2011	00:33:12	-15	0.0	8.55	0.0	
01/28/2011	00:34:52	-15	0.0	8.55	0.0	
01/28/2011	00:36:32	-15	0.0	8.55	0.0	
01/28/2011	00:38:12	-15	0.0	8.55	0.0	
01/28/2011	00:39:52	-14	0.0	8.55	0.0	
01/28/2011	00:41:32	-14	0.0	8.55	0.0	
01/28/2011	00:43:12	-13	0.0	8.55	0.0	
01/28/2011	00:44:52	-12	0.0	8.55	0.0	
01/28/2011	00:46:32	-12	0.0	8.55	0.0	
01/28/2011	00:48:12	-12	0.0	8.55	0.0	
01/28/2011	00:49:52	-11	0.0	8.56	0.0	
01/28/2011	00:51:32	-13	0.0	8.55	0.0	
01/28/2011	00:51:44	-14	0.0	8.56	0.0	Start Job
01/28/2011	00:51:46	-14	0.0	8.56	0.0	Held Safety Meeting

Well	Field	Job Start	Customer	Job Number
GMR 8-12C1		Jan/28/2011	EnCana	B7O8-00307

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
01/28/2011	00:54:52	-14	0.0	8.55	0.0	
01/28/2011	00:56:32	9	0.0	8.55	2.1	
01/28/2011	00:56:59	2257	0.0	8.55	2.1	Pressure Test Lines
01/28/2011	00:57:00	2232	0.0	8.55	2.1	500 psi Pressure Test
01/28/2011	00:58:12	1813	0.0	8.55	2.1	
01/28/2011	00:59:52	1509	0.0	8.56	2.1	
01/28/2011	01:01:32	3213	0.0	8.56	2.1	
01/28/2011	01:01:59	3144	0.0	8.56	2.1	Pressure Test Lines
01/28/2011	01:02:00	3142	0.0	8.56	2.1	3000 psi Pressure Test
01/28/2011	01:03:12	2	0.0	8.56	2.1	
01/28/2011	01:04:00	42	2.3	8.56	2.5	Start Pumping Water
01/28/2011	01:04:50	111	4.7	8.55	5.4	Good Returns
01/28/2011	01:04:52	116	4.7	8.55	5.5	
01/28/2011	01:06:32	113	4.6	8.56	13.2	
01/28/2011	01:07:53	401	8.4	12.46	22.7	Start Mixing Lead Slurry
01/28/2011	01:07:55	401	8.4	12.48	22.9	101 bbl Lead Slurry
01/28/2011	01:08:12	389	8.4	12.40	25.3	
01/28/2011	01:09:52	344	8.5	12.49	39.5	
01/28/2011	01:11:32	205	6.6	12.31	52.9	
01/28/2011	01:13:12	184	6.6	12.38	63.8	
01/28/2011	01:14:52	209	6.5	12.69	74.7	
01/28/2011	01:16:32	325	8.4	12.52	86.3	
01/28/2011	01:18:12	322	8.4	12.55	100.4	
01/28/2011	01:19:52	103	4.6	12.56	113.7	
01/28/2011	01:21:32	100	4.6	12.51	121.5	
01/28/2011	01:21:59	106	4.8	15.45	123.6	End Lead Slurry
01/28/2011	01:23:12	-7	0.4	16.08	126.3	
01/28/2011	01:23:35	-10	0.0	17.00	126.3	Reset Total, Vol = 126.33 bbl
01/28/2011	01:24:52	-8	0.0	15.71	126.3	
01/28/2011	01:24:56	-9	0.0	15.81	126.3	Start Mixing Tail Slurry
01/28/2011	01:25:00	-9	0.0	15.82	126.3	31 bbl Tail SLurry
01/28/2011	01:26:32	-9	0.0	15.83	126.3	
01/28/2011	01:28:12	43	2.3	15.81	128.8	
01/28/2011	01:29:52	41	2.3	15.54	132.6	
01/28/2011	01:31:32	129	3.9	15.56	137.1	
01/28/2011	01:33:12	32	2.1	15.78	140.8	
01/28/2011	01:34:52	153	4.2	15.82	147.2	
01/28/2011	01:36:32	147	4.3	15.73	154.2	
01/28/2011	01:37:00	149	4.3	15.71	156.2	End Tail Slurry
01/28/2011	01:38:12	-12	0.0	15.71	159.5	
01/28/2011	01:39:52	-15	0.0	15.68	159.5	
01/28/2011	01:40:00	-16	0.0	15.68	159.5	Drop Top Plug
01/28/2011	01:40:01	-15	0.0	15.68	159.5	Start Displacement
01/28/2011	01:40:02	-15	0.0	15.68	159.5	Tattle Tail Disappeared
01/28/2011	01:41:32	20	2.5	10.11	161.5	
01/28/2011	01:43:12	32	3.4	9.60	166.6	
01/28/2011	01:44:52	124	6.5	9.15	177.0	
01/28/2011	01:46:32	219	8.4	8.89	189.3	
01/28/2011	01:48:12	258	8.4	8.90	203.2	
01/28/2011	01:49:12	282	8.4	8.89	211.6	94 bbl Displacement
01/28/2011	01:49:52	314	8.4	8.89	217.2	
01/28/2011	01:49:55	319	8.4	8.89	217.7	50 bbl Cement to Surface
01/28/2011	01:51:32	387	8.4	8.89	231.2	
01/28/2011	01:53:12	254	3.3	8.88	240.3	

Well	Field	Job Start	Customer	Job Number
GMR 8-12C1		Jan/28/2011	EnCana	B7O8-00307

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
01/28/2011	01:56:32	296	1.9	8.88	249.8	
01/28/2011	01:58:12	345	1.9	8.88	253.0	
01/28/2011	01:59:52	313	1.9	8.88	256.2	
01/28/2011	02:00:33	842	0.0	8.89	257.0	Bump Top Plug
01/28/2011	02:00:34	845	0.0	8.89	257.0	End Displacement
01/28/2011	02:00:36	843	0.0	8.89	257.0	Bump the Plug
01/28/2011	02:01:32	823	0.0	8.89	257.0	
01/28/2011	02:03:12	787	0.0	8.89	257.0	
01/28/2011	02:04:16	-22	0.0	8.89	257.0	Floats Held
01/28/2011	02:04:52	-22	0.0	8.89	257.0	
01/28/2011	02:06:32	-21	0.0	8.89	257.0	
01/28/2011	02:06:53	-20	0.0	8.89	257.0	End Job

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.8			8.9	132.0	0.0	20.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3300	-20	410	800			bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	132.0 bbl	93.0 bbl	75 degF	Cement Circulated to Surface? [X]	Volume 50.0 bbl
				Washed Thru Perfs [ ]	To ft

Customer or Authorized Representative	Schlumberger Supervisor		
Mike Durkin	Ryan Bowditch	Circulation Lost [ ]	Job Completed [ ]
		-	-