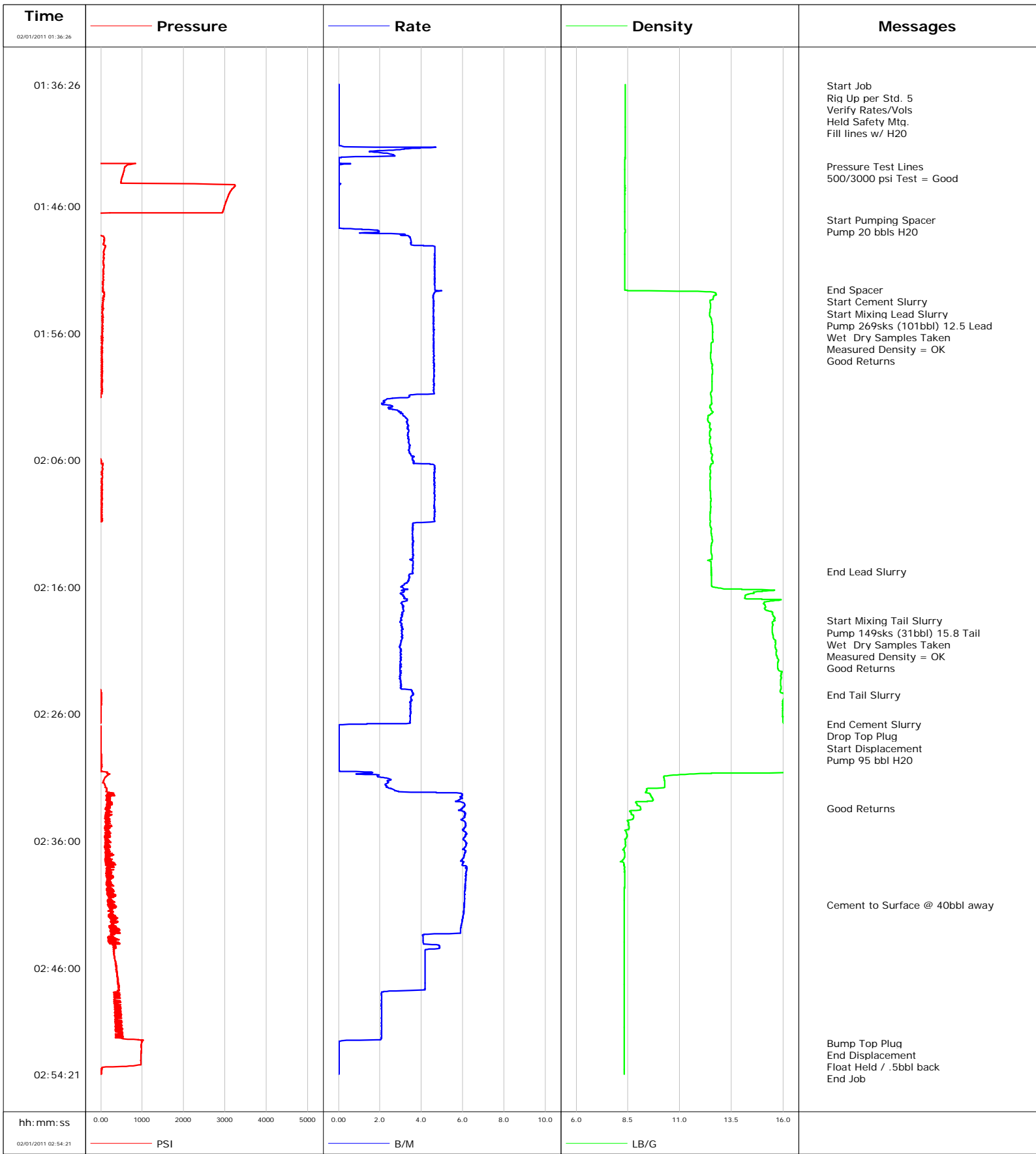


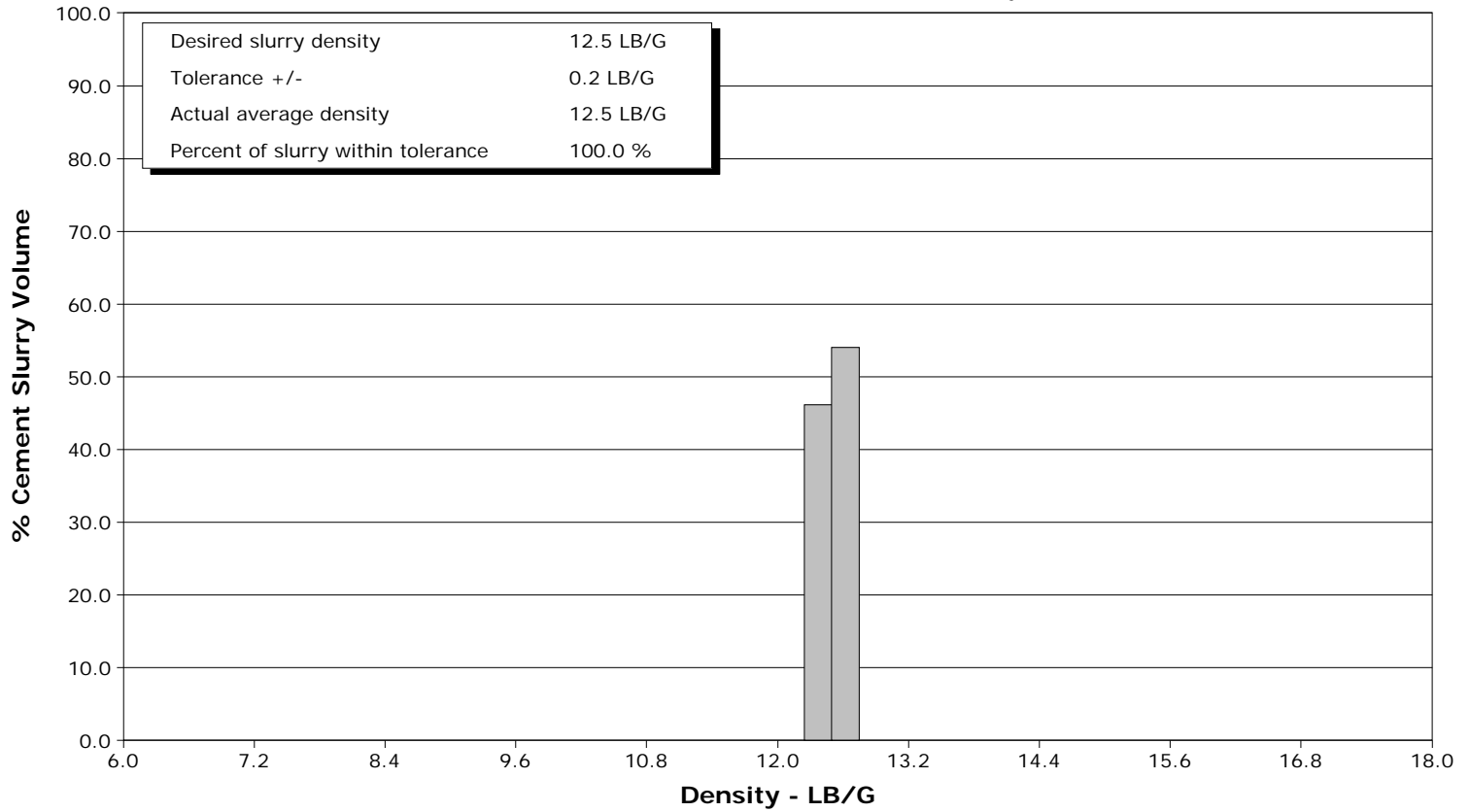
Well	GMR 8-11A1	Client	Encana Oil Gas
Field	Mamm Creek	SIR No.	476647
Engineer	B. Farnham	Job Type	9 5/8" Surface
Country	United States	Job Date	1-31-2011



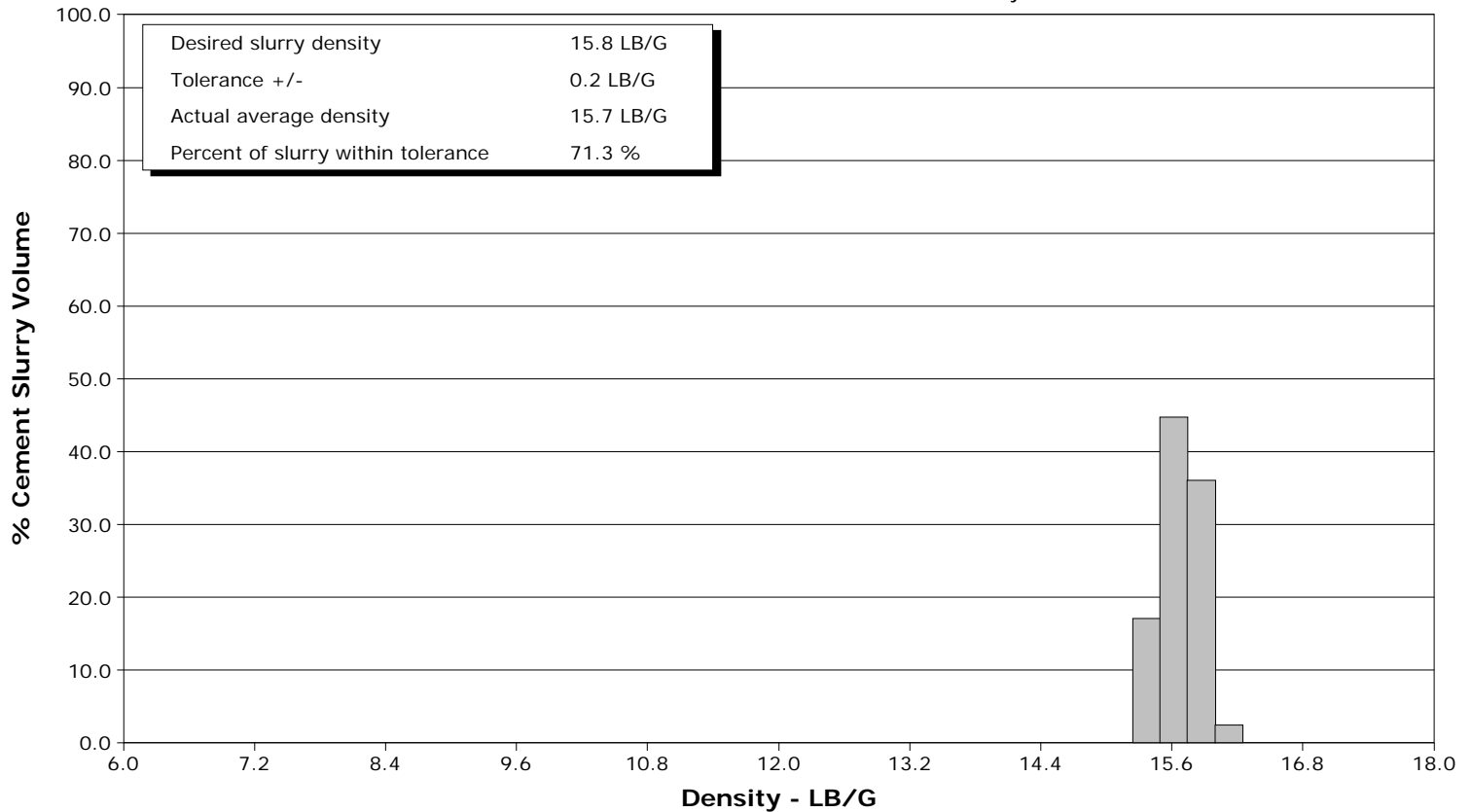
Well GMR 8-11A1
Field Mamm Creek
Engineer B. Farnham
Country United States

Client Encana Oil Gas
SIR No. 476647
Job Type 9 5/8" Surface
Job Date 1-31-2011

Lead Slurry - 02/01/2011 01:53:15 to 02/01/2011 02:14:47



Tail Slurry - 02/01/2011 02:18:39 to 02/01/2011 02:24:29





Cementing Service Report

Customer Encana Oil & Gas	Job Number 476647
-------------------------------------	-----------------------------

Well GMR 8-11A1 8-12C2	Location (legal) Patterson 330	Schlumberger Location Grand Junction	Job Start Jan/31/2011
----------------------------------	--	--	---------------------------------

Field Mamm Creek	Formation Name/Type shale	Deviation	Bit Size 12.3 in	Well MD 1269.0 ft	Well TVD 1269.0 ft
----------------------------	-------------------------------------	------------------	----------------------------	-----------------------------	------------------------------

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

Well Master 0631179469	API/UWI -	Casing/Liner			
----------------------------------	---------------------	---------------------	--	--	--

Rig Name Patterson 330	Drilled For Gas	Service Via Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
----------------------------------	---------------------------	----------------------------	------------------	-----------------	----------------------	--------------	---------------

Offshore Zone	Well Class New	Well Type New Well Completion	60.0	16.000	65.0	N/A	N/A
----------------------	--------------------------	---	------	--------	------	-----	-----

Drilling Fluid Type Bentonite	Max. Density 9.80 lb/gal	Plastic Viscosity 24.000 cP	Tubing/Drill Pipe				
---	------------------------------------	---------------------------------------	--------------------------	--	--	--	--

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

Max. Allowed Tub. Press 1500 psi	Max. Allowed Ann. Press 500 psi	WH Connection Single Cement head	Perforations/Open Hole				
--	---	--	-------------------------------	--	--	--	--

Service Instructions Cement 9 5/8" Surface Casing at 1270ft 20bbls Water 269 12.5ppg Lead 149sks 15.8ppg Tail 80% Annular Excess			Top,	Bottom,		No. of Shots	Total Interval
--	--	--	-------------	----------------	--	---------------------	-----------------------

							Diameter
--	--	--	--	--	--	--	-----------------

			Treat Down Casing	Displacement 95.0 bbl	Packer Type	Packer Depth
--	--	--	-----------------------------	---------------------------------	--------------------	---------------------

			Tubing Vol.	Casing Vol. 95.0 bbl	Annular Vol. 130.0 bbl	Openhole Vol. 180.0 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 304 psi	Shoe Type Guide	Squeeze Type
---------------------------------	---------------------------	---------------------

Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth 1269.0 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 Jan/31/2011 23:00	Arrived on Location Jan/31/2011 23:00	Leave Location Feb/01/2011 02:00	Collar Type Other	Tail Pipe Depth
---	---	--	-----------------------------	------------------------

			Collar Depth 1224.0 ft	Sqz. Total Vol.
--	--	--	----------------------------------	------------------------

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
02/01/2011	01:09:54					Started Acquisition
02/01/2011	01:36:26	-147	0.0	8.37	0.0	
02/01/2011	01:36:31					Start Job
02/01/2011	01:36:31	-147	0.0	8.37	0.0	
02/01/2011	01:36:32					Rig Up per Std. 5
02/01/2011	01:36:32					Verify Rates/Vols
02/01/2011	01:36:32	-146	0.0	8.37	0.0	Held Safety Mtg.
02/01/2011	01:36:33					Fill lines w/ H2O
02/01/2011	01:36:33	-146	0.0	8.37	0.0	
02/01/2011	01:36:54	-146	0.0	8.37	0.0	
02/01/2011	01:37:24	-147	0.0	8.37	0.0	
02/01/2011	01:37:54	-148	0.0	8.37	0.0	
02/01/2011	01:38:24	-148	0.0	8.37	0.0	
02/01/2011	01:38:54	-148	0.0	8.37	0.0	
02/01/2011	01:39:24	-147	0.0	8.37	0.0	
02/01/2011	01:39:54	-147	0.0	8.37	0.0	
02/01/2011	01:40:24	-147	0.0	8.37	0.0	
02/01/2011	01:40:54	-147	0.0	8.37	0.1	
02/01/2011	01:41:24	-84	4.7	8.37	0.2	
02/01/2011	01:41:54	-83	2.4	8.37	1.5	

Well		Field		Job Start		Customer		Job Number	
GMR 8-11A1 8-12C2		Mamm Creek		Jan/31/2011		Encana Oil & Gas		476647	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/01/2011	01:42:53					Pressure Test Lines			
02/01/2011	01:42:53					500/3000 psi Test = Good			
02/01/2011	01:42:53	603	0.0	8.35	2.1				
02/01/2011	01:42:54	596	0.0	8.35	2.1				
02/01/2011	01:43:24	546	0.0	8.35	2.1				
02/01/2011	01:43:54	500	0.0	8.35	2.1				
02/01/2011	01:44:24	3246	0.0	8.36	2.2				
02/01/2011	01:44:54	3124	0.0	8.36	2.2				
02/01/2011	01:45:24	3055	0.0	8.35	2.2				
02/01/2011	01:45:54	3001	0.0	8.35	2.2				
02/01/2011	01:46:24	2951	0.0	8.35	2.2				
02/01/2011	01:46:54	-134	0.0	8.35	2.2				
02/01/2011	01:47:05					Start Pumping Spacer			
02/01/2011	01:47:05	-136	0.0	8.35	2.2				
02/01/2011	01:47:07					Pump 20 bbls H2O			
02/01/2011	01:47:07	-137	0.0	8.35	2.2				
02/01/2011	01:47:24	-130	0.0	8.35	2.2				
02/01/2011	01:47:54	-115	1.8	8.36	2.3				
02/01/2011	01:48:24	69	3.4	8.35	3.5				
02/01/2011	01:48:54	78	3.5	8.35	5.2				
02/01/2011	01:49:24	93	4.7	8.35	7.3				
02/01/2011	01:49:54	66	4.6	8.35	9.6				
02/01/2011	01:50:24	57	4.6	8.35	11.9				
02/01/2011	01:50:54	65	4.6	8.34	14.3				
02/01/2011	01:51:24	49	4.6	8.34	16.6				
02/01/2011	01:51:54	62	4.7	8.34	18.9				
02/01/2011	01:52:24	58	4.7	8.34	21.2				
02/01/2011	01:52:36					End Spacer			
02/01/2011	01:52:36	43	4.7	8.34	22.2				
02/01/2011	01:52:54	80	4.6	12.75	23.6				
02/01/2011	01:53:11					Start Cement Slurry			
02/01/2011	01:53:11	80	4.6	12.63	24.9				
02/01/2011	01:53:15					Start Mixing Lead Slurry			
02/01/2011	01:53:15	49	4.6	12.62	25.2				
02/01/2011	01:53:17					Pump 269sks (101bbl) 12.5 Lead			
02/01/2011	01:53:17	51	4.6	12.61	25.3				
02/01/2011	01:53:18					Wet Dry Samples Taken			
02/01/2011	01:53:18	51	4.6	12.61	25.4				
02/01/2011	01:53:19					Measured Density = OK			
02/01/2011	01:53:19	50	4.6	12.61	25.5				
02/01/2011	01:53:24	71	4.6	12.51	25.9				
02/01/2011	01:53:54	59	4.6	12.49	28.2				
02/01/2011	01:54:19					Good Returns			
02/01/2011	01:54:19	30	4.6	12.45	30.1				
02/01/2011	01:54:24	42	4.6	12.45	30.5				
02/01/2011	01:54:54	32	4.6	12.53	32.8				
02/01/2011	01:55:24	37	4.6	12.57	35.0				
02/01/2011	01:55:54	42	4.6	12.59	37.3				
02/01/2011	01:56:24	47	4.6	12.59	39.6				
02/01/2011	01:56:54	30	4.6	12.52	41.9				
02/01/2011	01:57:24	37	4.6	12.51	44.2				
02/01/2011	01:57:54	25	4.6	12.49	46.5				
02/01/2011	01:58:24	25	4.6	12.54	48.8				
02/01/2011	01:58:54	18	4.6	12.58	51.1				

Well		Field		Job Start		Customer		Job Number	
GMR 8-11A1 8-12C2		Mamm Creek		Jan/31/2011		Encana Oil & Gas		476647	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/01/2011	01:59:54	30	4.6	12.56	55.8				
02/01/2011	02:00:24	32	4.6	12.55	58.1				
02/01/2011	02:00:54	-23	3.4	12.50	60.3				
02/01/2011	02:01:24	-63	2.2	12.54	61.7				
02/01/2011	02:01:54	-68	2.5	12.47	62.8				
02/01/2011	02:02:24	-61	3.1	12.49	64.3				
02/01/2011	02:02:54	-54	3.4	12.36	65.9				
02/01/2011	02:03:24	-56	3.3	12.44	67.5				
02/01/2011	02:03:54	-63	3.4	12.44	69.2				
02/01/2011	02:04:24	-61	3.4	12.45	70.9				
02/01/2011	02:04:54	-51	3.4	12.49	72.6				
02/01/2011	02:05:24	-48	3.4	12.50	74.3				
02/01/2011	02:05:54	-14	3.6	12.55	76.1				
02/01/2011	02:06:24	49	4.6	12.50	78.0				
02/01/2011	02:06:54	46	4.6	12.49	80.3				
02/01/2011	02:07:24	47	4.6	12.48	82.6				
02/01/2011	02:07:54	27	4.6	12.46	84.9				
02/01/2011	02:08:24	15	4.6	12.46	87.2				
02/01/2011	02:08:54	25	4.7	12.49	89.6				
02/01/2011	02:09:24	22	4.6	12.50	91.9				
02/01/2011	02:09:54	32	4.7	12.48	94.2				
02/01/2011	02:10:24	14	4.6	12.46	96.5				
02/01/2011	02:10:54	-30	4.5	12.48	98.8				
02/01/2011	02:11:24	-25	3.6	12.54	100.6				
02/01/2011	02:11:54	-22	3.6	12.54	102.4				
02/01/2011	02:12:24	-21	3.6	12.59	104.2				
02/01/2011	02:12:54	-33	3.6	12.52	106.0				
02/01/2011	02:13:24	-25	3.6	12.54	107.8				
02/01/2011	02:13:54	-23	3.5	12.35	109.6				
02/01/2011	02:14:24	-32	3.6	12.52	111.4				
02/01/2011	02:14:47					End Lead Slurry			
02/01/2011	02:14:47	-31	3.6	12.52	112.8				
02/01/2011	02:14:54	-29	3.6	12.52	113.2				
02/01/2011	02:15:24	-58	3.4	12.53	114.9				
02/01/2011	02:15:54	-69	3.1	12.53	116.6				
02/01/2011	02:16:24	-56	3.1	14.56	118.1				
02/01/2011	02:16:54	-52	3.2	14.14	119.7				
02/01/2011	02:17:24	-43	3.1	15.11	121.3				
02/01/2011	02:17:54	-41	3.2	15.33	122.8				
02/01/2011	02:18:24	-41	3.0	15.58	124.4				
02/01/2011	02:18:39					Start Mixing Tail Slurry			
02/01/2011	02:18:39	-40	3.0	15.61	125.1				
02/01/2011	02:18:43					Pump 149sks (31bbl) 15.8 Tail			
02/01/2011	02:18:43					Wet Dry Samples Taken			
02/01/2011	02:18:43					Measured Density = OK			
02/01/2011	02:18:43	-39	3.0	15.51	125.3				
02/01/2011	02:18:54	-41	3.1	15.48	125.9				
02/01/2011	02:19:23					Good Returns			
02/01/2011	02:19:23	-47	3.0	15.47	127.3				
02/01/2011	02:19:24	-46	3.0	15.47	127.4				
02/01/2011	02:19:54	-46	3.1	15.51	128.9				
02/01/2011	02:20:24	-45	3.0	15.62	130.4				
02/01/2011	02:20:54	-39	3.0	15.64	131.9				
02/01/2011	02:21:24	-45	3.0	15.67	133.4				

Well		Field		Job Start		Customer		Job Number	
GMR 8-11A1 8-12C2		Mamm Creek		Jan/31/2011		Encana Oil & Gas		476647	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/01/2011	02:22:24	-45	3.0	15.73	136.4				
02/01/2011	02:22:54	-42	3.0	15.89	137.9				
02/01/2011	02:23:24	-43	3.0	15.87	139.4				
02/01/2011	02:23:54	-45	3.0	15.88	140.9				
02/01/2011	02:24:24	11	3.6	16.04	142.6				
02/01/2011	02:24:29					End Tail Slurry			
02/01/2011	02:24:29	3	3.6	16.13	142.9				
02/01/2011	02:24:54	11	3.5	16.00	144.4				
02/01/2011	02:25:54	-3	3.5	15.97	147.9				
02/01/2011	02:26:24	-4	3.5	15.98	149.6				
02/01/2011	02:26:48					End Cement Slurry			
02/01/2011	02:26:48	-122	1.4	16.16	150.9				
02/01/2011	02:26:50					Drop Top Plug			
02/01/2011	02:26:50	-124	0.2	16.17	150.9				
02/01/2011	02:26:51					Start Displacement			
02/01/2011	02:26:51	-124	0.1	16.18	150.9				
02/01/2011	02:26:54	-126	0.0	16.18	150.9				
02/01/2011	02:26:56					Pump 95 bbl H2O			
02/01/2011	02:26:56	-127	0.0	16.18	150.9				
02/01/2011	02:27:24	-7	0.0	16.18	150.9				
02/01/2011	02:27:54	-7	0.0	16.18	150.9				
02/01/2011	02:28:24	-7	0.0	16.17	150.9				
02/01/2011	02:28:54	-9	0.0	16.17	150.9				
02/01/2011	02:29:24	5	0.0	16.17	150.9				
02/01/2011	02:29:54	11	0.0	16.17	150.9				
02/01/2011	02:30:24	-1	0.0	16.16	150.9				
02/01/2011	02:30:54	133	1.9	10.24	151.5				
02/01/2011	02:31:24	62	2.4	10.27	152.6				
02/01/2011	02:31:54	139	2.6	9.40	153.8				
02/01/2011	02:32:24	174	6.0	9.60	155.9				
02/01/2011	02:32:54	242	5.8	9.10	158.9				
02/01/2011	02:33:24	145	6.0	9.11	161.9				
02/01/2011	02:33:25					Good Returns			
02/01/2011	02:33:25	229	6.0	9.11	162.0				
02/01/2011	02:33:54	168	6.1	8.67	164.9				
02/01/2011	02:34:24	134	6.0	8.46	167.9				
02/01/2011	02:34:54	230	6.1	8.56	171.0				
02/01/2011	02:35:24	105	6.2	8.43	174.0				
02/01/2011	02:35:54	159	6.0	8.35	177.1				
02/01/2011	02:36:24	91	6.2	8.38	180.1				
02/01/2011	02:36:54	129	6.1	8.33	183.2				
02/01/2011	02:37:24	107	6.0	8.30	186.2				
02/01/2011	02:37:54	117	6.0	8.31	189.2				
02/01/2011	02:38:24	177	6.2	8.34	192.3				
02/01/2011	02:38:54	190	6.1	8.34	195.4				
02/01/2011	02:39:24	164	6.1	8.34	198.4				
02/01/2011	02:39:54	227	6.1	8.33	201.5				
02/01/2011	02:40:24	213	6.1	8.33	204.5				
02/01/2011	02:40:54	246	6.1	8.33	207.6				
02/01/2011	02:41:02					Cement to Surface @ 40bbl away			
02/01/2011	02:41:02	343	6.1	8.33	208.4				
02/01/2011	02:41:24	241	6.1	8.33	210.6				
02/01/2011	02:41:54	348	6.0	8.33	213.6				
02/01/2011	02:42:24	407	6.0	8.33	216.6				

Well		Field		Job Start		Customer		Job Number	
GMR 8-11A1 8-12C2		Mamm Creek		Jan/31/2011		Encana Oil & Gas		476647	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/01/2011	02:43:24	244	4.1	8.33	222.4				
02/01/2011	02:43:54	349	4.1	8.33	224.4				
02/01/2011	02:44:24	306	4.9	8.33	226.6				
02/01/2011	02:44:54	327	4.2	8.33	228.8				
02/01/2011	02:45:24	336	4.2	8.33	230.9				
02/01/2011	02:45:54	391	4.2	8.33	233.0				
02/01/2011	02:46:24	387	4.2	8.33	235.1				
02/01/2011	02:46:54	420	4.2	8.33	237.2				
02/01/2011	02:47:24	417	4.2	8.33	239.2				
02/01/2011	02:47:54	338	2.1	8.33	241.1				
02/01/2011	02:48:24	336	2.1	8.33	242.1				
02/01/2011	02:48:54	454	2.1	8.33	243.2				
02/01/2011	02:49:24	421	2.1	8.33	244.2				
02/01/2011	02:49:54	352	2.1	8.33	245.3				
02/01/2011	02:50:24	489	2.1	8.33	246.3				
02/01/2011	02:50:54	406	2.1	8.33	247.3				
02/01/2011	02:51:24	537	2.1	8.33	248.4				
02/01/2011	02:51:53					Bump Top Plug			
02/01/2011	02:51:53	985	0.0	8.33	249.0				
02/01/2011	02:51:54					End Displacement			
02/01/2011	02:51:54	986	0.0	8.33	249.0				
02/01/2011	02:52:24	983	0.0	8.33	249.0				
02/01/2011	02:52:54	972	0.0	8.33	249.0				
02/01/2011	02:53:22					Float Held / .5bbl back			
02/01/2011	02:53:22	970	0.0	8.33	249.0				
02/01/2011	02:53:24	967	0.0	8.33	249.0				
02/01/2011	02:53:54	23	0.0	8.33	249.0				
02/01/2011	02:54:00					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
4.5			6.0	132.0		20.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3000	980	150	980		FreshWater	285.0 bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	55.0 bbl
	132.0 bbl		70 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	<input type="checkbox"/>	Job Completed
Mike Durkin			B. Farnham		-		<input checked="" type="checkbox"/>



Service Quality Evaluation

Client:	Encana Oil & Gas
Field:	Mamm Creek
Rig:	Patterson 330
Well:	GMR 8-11A1
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	Feb/19/2010
Operating Time:	0.0
Client Rep:	Encana Oil & Gas
Schlumberger Engineer:	B. Farnham
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 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%

2	Design / Preparation				
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%

3	Execution				
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%

4	Evaluation				
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.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: