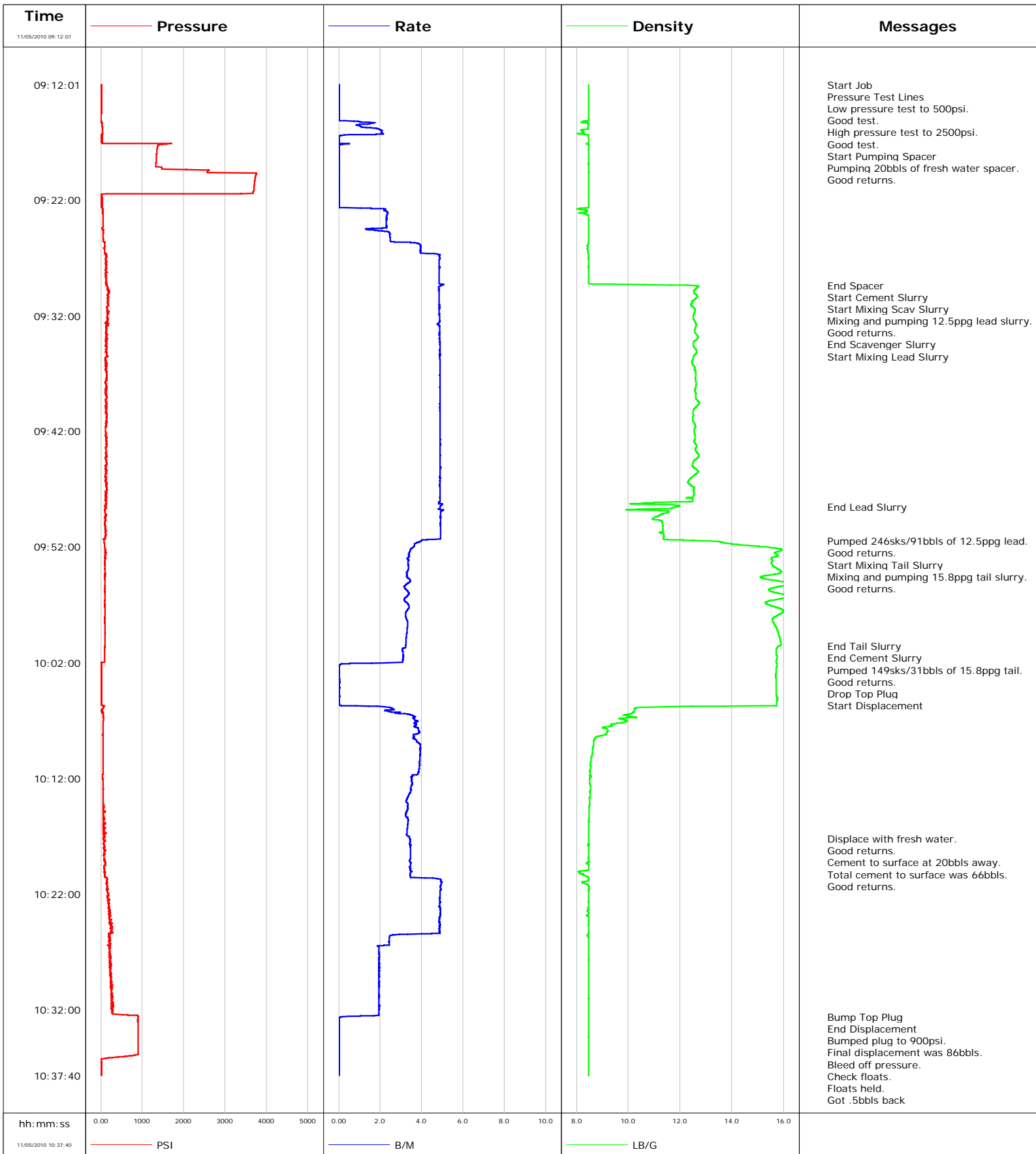


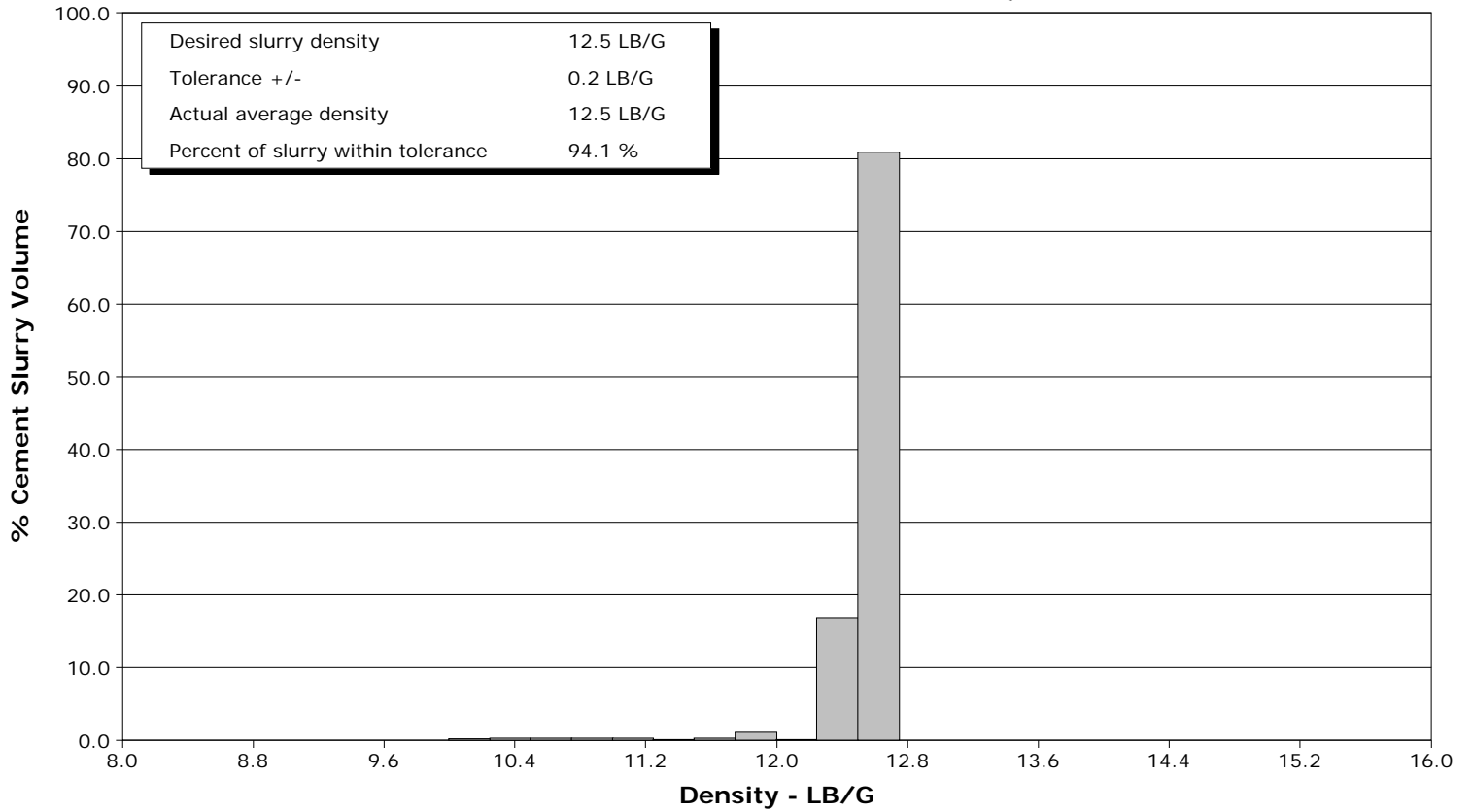
Well	Federal 25-1	Client	EnCana
Field	High Mesa	SIR No.	BAD4-00208
Engineer	Jeff Patterson	Job Type	9 5/8" Surface
Country	United States	Job Date	11-05-2010



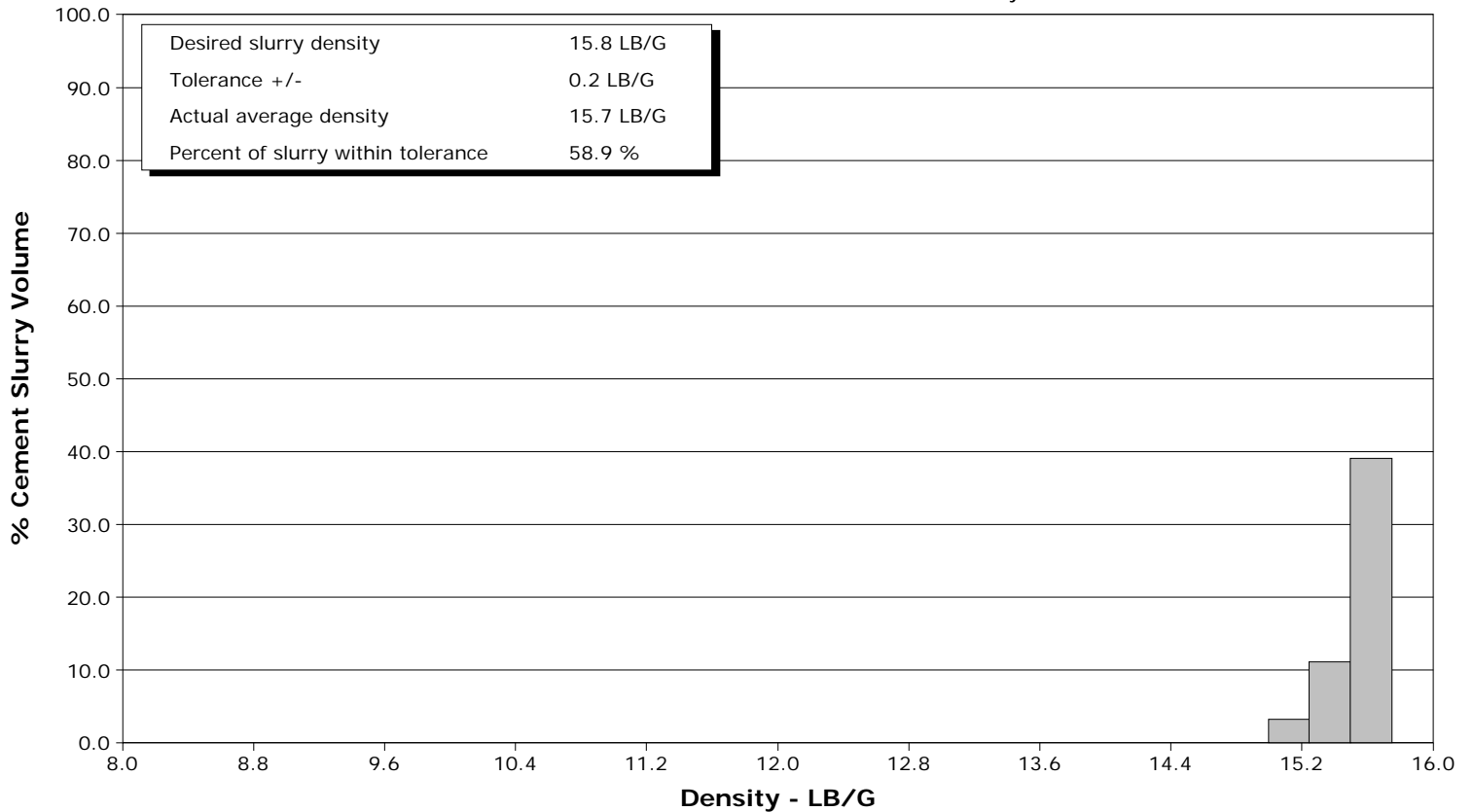
Well Federal 25-1
Field High Mesa
Engineer Jeff Patterson
Country United States

Client EnCana
SIR No. BAD4-00208
Job Type 9 5/8" Surface
Job Date 11-05-2010

Lead Slurry - 11/05/2010 09:29:50 to 11/05/2010 09:48:32



Tail Slurry - 11/05/2010 09:52:43 to 11/05/2010 10:00:34



Customer EnCana	Job Number BAD4-00208
---------------------------	---------------------------------

Well Federal 25-1 Federal 25-1	Location (legal) PH25	Schlumberger Location Grand Junction, Colorado	Job Start Nov/05/2010
--	---------------------------------	--	---------------------------------

Field High Mesa	Formation Name/Type Shale	Deviation 0 deg	Bit Size 12.3 in	Well MD 1159.0 ft	Well TVD 1159.0 ft
---------------------------	-------------------------------------	---------------------------	----------------------------	-----------------------------	------------------------------

County Garfield	State/Province Colorado	BHP	BHST 90 degF	BHCT 80 degF	Pore Press. Gradient
---------------------------	-----------------------------------	------------	------------------------	------------------------	-----------------------------

Well Master 0631165388	API/UWI	Casing/Liner			
----------------------------------	----------------	---------------------	--	--	--

Rig Name Ensign 119	Drilled For Gas	Service Via Land	Depth, ft 1159.0	Size, in 9.630	Weight, lb/ft 36.0	Grade J55	Thread 8RD
-------------------------------	---------------------------	----------------------------	----------------------------	--------------------------	------------------------------	---------------------	----------------------

Offshore Zone	Well Class New	Well Type Development	Depth, ft 0.0	Size, in 0.000	Weight, lb/ft 0.0	Grade	Thread
----------------------	--------------------------	---------------------------------	-------------------------	--------------------------	-----------------------------	--------------	---------------

Drilling Fluid Type	Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
----------------------------	---------------------	--------------------------	--------------------------	--	--	--	--

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

Max. Allowed Tub. Press 3000 psi	Max. Allowed Ann. Press	WH Connection 9 5/8" Cement Head	Top,	Bottom,	No. of Shots	Total Interval
--	--------------------------------	--	-------------	----------------	---------------------	-----------------------

Service Instructions Cement 9 5/8" Surface casing with: 246sx 12.5ppg Lead to surface (80% excess on entire hole) 149sx 15.8ppg Tail (500ft column 0% excess)						
Treat Down Casing	Displacement 86.0 bbl	Packer Type	Packer Depth			
Tubing Vol.	Casing Vol. 89.6 bbl	Annular Vol. 120.0 bbl	Openhole Vol. 171.0 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 573 psi	Shoe Type Guide	Squeeze Type
---------------------------------	---------------------------	---------------------

Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth 1159.0 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 Nov/05/2010	Arrived on Location Nov/05/2010	Leave Location Nov/05/2010	Collar Type Float	Tail Pipe Depth		
---	---	--------------------------------------	-----------------------------	------------------------	--	--

Collar Depth 1116.0 ft		Sqz. Total Vol.				
----------------------------------	--	------------------------	--	--	--	--

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/05/2010	08:18:13					Started Acquisition
11/05/2010	09:12:01					Start Job
11/05/2010	09:12:01	5	0.0	8.46	0.0	
11/05/2010	09:12:05					Pressure Test Lines
11/05/2010	09:12:05	5	0.0	8.46	0.0	
11/05/2010	09:12:06					Low pressure test to 500psi.
11/05/2010	09:12:06	5	0.0	8.46	0.0	
11/05/2010	09:12:07					Good test.
11/05/2010	09:12:07					High pressure test to 2500psi.
11/05/2010	09:12:07					Good test.
11/05/2010	09:12:07	5	0.0	8.46	0.0	
11/05/2010	09:12:09					Start Pumping Spacer
11/05/2010	09:12:09	5	0.0	8.46	0.0	
11/05/2010	09:12:10					Pumping 20bbls of fresh water spacer.
11/05/2010	09:12:10					Good returns.
11/05/2010	09:12:10	5	0.0	8.46	0.0	
11/05/2010	09:12:13	5	0.0	8.46	0.0	
11/05/2010	09:12:43	6	0.0	8.46	0.0	
11/05/2010	09:13:13	6	0.0	8.46	0.0	
11/05/2010	09:13:43	6	0.0	8.46	0.0	
11/05/2010	09:14:13	6	0.0	8.46	0.0	

Well		Field		Job Start		Customer		Job Number	
Federal 25-1 Federal 25-1		High Mesa		Nov/05/2010		EnCana		BAD4-00208	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/05/2010	09:15:13	0	1.0	8.32	0.0				
11/05/2010	09:15:43	38	1.2	8.45	0.6				
11/05/2010	09:16:13	46	2.1	8.29	1.6				
11/05/2010	09:16:43	20	0.0	8.46	1.9				
11/05/2010	09:17:13	1405	0.1	8.45	1.9				
11/05/2010	09:17:43	1352	0.0	8.46	1.9				
11/05/2010	09:18:13	1342	0.0	8.46	1.9				
11/05/2010	09:18:43	1334	0.0	8.46	1.9				
11/05/2010	09:19:13	1469	0.0	8.46	1.9				
11/05/2010	09:19:43	3761	0.0	8.46	1.9				
11/05/2010	09:20:13	3718	0.0	8.46	1.9				
11/05/2010	09:20:43	3703	0.0	8.46	1.9				
11/05/2010	09:21:13	3690	0.0	8.46	1.9				
11/05/2010	09:21:43	14	0.0	8.46	1.9				
11/05/2010	09:22:13	13	0.0	8.46	1.9				
11/05/2010	09:22:43	39	1.6	8.15	2.0				
11/05/2010	09:23:13	54	2.4	8.37	3.1				
11/05/2010	09:23:43	54	2.3	8.46	4.2				
11/05/2010	09:24:13	49	2.3	8.46	5.4				
11/05/2010	09:24:43	53	2.2	8.46	6.4				
11/05/2010	09:25:13	58	2.5	8.46	7.6				
11/05/2010	09:25:43	91	3.8	8.46	8.9				
11/05/2010	09:26:13	90	3.9	8.40	10.9				
11/05/2010	09:26:43	130	4.9	8.46	12.9				
11/05/2010	09:27:13	124	4.8	8.46	15.4				
11/05/2010	09:27:43	141	4.8	8.46	17.8				
11/05/2010	09:28:13	123	4.9	8.46	20.2				
11/05/2010	09:28:43	129	4.8	8.46	22.6				
11/05/2010	09:29:13	141	4.8	8.46	25.1				
11/05/2010	09:29:21					End Spacer			
11/05/2010	09:29:21	124	5.0	11.63	25.7				
11/05/2010	09:29:22					Start Cement Slurry			
11/05/2010	09:29:22	149	5.0	12.28	25.8				
11/05/2010	09:29:23					Start Mixing Scav Slurry			
11/05/2010	09:29:23	131	5.0	12.28	25.9				
11/05/2010	09:29:26					Mixing and pumping 12.5ppg lead slurry.			
11/05/2010	09:29:26					Good returns.			
11/05/2010	09:29:26	156	4.9	12.67	26.1				
11/05/2010	09:29:43	172	4.8	12.57	27.5				
11/05/2010	09:29:49					End Scavenger Slurry			
11/05/2010	09:29:49	171	4.8	12.53	28.0				
11/05/2010	09:29:50					Start Mixing Lead Slurry			
11/05/2010	09:29:50	191	4.8	12.53	28.1				
11/05/2010	09:30:13	172	4.8	12.64	29.9				
11/05/2010	09:30:43	165	4.8	12.48	32.4				
11/05/2010	09:31:13	148	4.9	12.46	34.8				
11/05/2010	09:31:43	166	4.9	12.55	37.2				
11/05/2010	09:32:13	161	4.9	12.51	39.7				
11/05/2010	09:32:43	189	4.8	12.61	42.1				
11/05/2010	09:33:13	136	4.9	12.57	44.5				
11/05/2010	09:33:43	148	4.9	12.67	46.9				
11/05/2010	09:34:13	121	4.9	12.54	49.4				
11/05/2010	09:34:43	124	4.9	12.54	51.8				
11/05/2010	09:35:13	136	4.9	12.63	54.3				

Well		Field		Job Start		Customer		Job Number	
Federal 25-1 Federal 25-1		High Mesa		Nov/05/2010		EnCana		BAD4-00208	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/05/2010	09:36:13	129	4.9	12.48	59.1				
11/05/2010	09:36:43	130	4.9	12.58	61.6				
11/05/2010	09:37:13	138	4.9	12.60	64.0				
11/05/2010	09:37:43	115	4.9	12.61	66.5				
11/05/2010	09:38:13	140	4.9	12.60	68.9				
11/05/2010	09:38:43	112	4.9	12.61	71.4				
11/05/2010	09:39:13	112	4.9	12.62	73.8				
11/05/2010	09:39:43	138	4.9	12.70	76.2				
11/05/2010	09:40:13	123	4.9	12.51	78.7				
11/05/2010	09:40:43	139	4.9	12.49	81.1				
11/05/2010	09:41:13	134	4.9	12.52	83.6				
11/05/2010	09:41:43	117	4.9	12.56	86.0				
11/05/2010	09:42:13	126	4.9	12.56	88.5				
11/05/2010	09:42:43	127	4.9	12.57	90.9				
11/05/2010	09:43:13	148	4.9	12.63	93.4				
11/05/2010	09:43:43	124	4.9	12.62	95.8				
11/05/2010	09:44:13	118	4.9	12.70	98.3				
11/05/2010	09:44:43	148	4.9	12.50	100.7				
11/05/2010	09:45:13	108	4.9	12.60	103.2				
11/05/2010	09:45:43	116	4.9	12.58	105.6				
11/05/2010	09:46:13	115	4.9	12.34	108.0				
11/05/2010	09:46:43	121	4.9	12.43	110.5				
11/05/2010	09:47:13	113	4.9	12.54	112.9				
11/05/2010	09:47:43	112	4.9	12.30	115.4				
11/05/2010	09:48:13	120	4.9	10.60	117.8				
11/05/2010	09:48:32					End Lead Slurry			
11/05/2010	09:48:32	109	4.9	11.85	119.4				
11/05/2010	09:48:43	103	4.8	11.00	120.3				
11/05/2010	09:49:13	121	4.9	11.23	122.7				
11/05/2010	09:49:43	115	4.9	11.26	125.2				
11/05/2010	09:50:13	100	4.9	11.34	127.6				
11/05/2010	09:50:43	112	4.9	11.24	130.1				
11/05/2010	09:51:13	104	4.9	11.36	132.6				
11/05/2010	09:51:28					Pumped 246sks/91bbbls of 12.5ppg lead.			
11/05/2010	09:51:28					Good returns.			
11/05/2010	09:51:28	76	4.0	12.85	133.7				
11/05/2010	09:51:43	84	3.7	13.95	134.6				
11/05/2010	09:52:13	109	3.5	15.92	136.4				
11/05/2010	09:52:43					Start Mixing Tail Slurry			
11/05/2010	09:52:43	111	3.4	15.78	138.2				
11/05/2010	09:52:45					Mixing and pumping 15.8ppg tail slurry.			
11/05/2010	09:52:45	100	3.4	15.78	138.3				
11/05/2010	09:52:46					Good returns.			
11/05/2010	09:52:46	99	3.4	15.76	138.3				
11/05/2010	09:53:13	94	3.4	15.56	139.8				
11/05/2010	09:53:43	96	3.4	15.63	141.5				
11/05/2010	09:54:13	97	3.3	15.88	143.2				
11/05/2010	09:55:13	97	3.3	16.18	146.5				
11/05/2010	09:55:43	94	3.3	15.42	148.1				
11/05/2010	09:56:13	99	3.3	16.14	149.8				
11/05/2010	09:56:43	95	3.2	15.34	151.4				
11/05/2010	09:57:13	97	3.4	15.70	153.1				
11/05/2010	09:57:43	97	3.2	15.92	154.7				
11/05/2010	09:58:13	96	3.3	15.57	156.4				

Well		Field		Job Start	Customer	Job Number
Federal 25-1 Federal 25-1		High Mesa		Nov/05/2010	EnCana	BAD4-00208
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/05/2010	09:59:13	96	3.3	15.76	159.7	
11/05/2010	09:59:43	96	3.3	15.83	161.3	
11/05/2010	10:00:13	98	3.3	15.89	162.9	
11/05/2010	10:00:34					End Tail Slurry
11/05/2010	10:00:34	97	3.2	15.81	164.1	
11/05/2010	10:00:36					End Cement Slurry
11/05/2010	10:00:36	96	3.2	15.78	164.2	
11/05/2010	10:00:39					Pumped 149sks/31bbbls of 15.8ppg tail.
11/05/2010	10:00:39					Good returns.
11/05/2010	10:00:39	96	3.2	15.77	164.3	
11/05/2010	10:00:42					Drop Top Plug
11/05/2010	10:00:42					Start Displacement
11/05/2010	10:00:42	93	3.2	15.74	164.5	
11/05/2010	10:00:43	93	3.2	15.74	164.6	
11/05/2010	10:01:13	91	3.1	15.70	166.1	
11/05/2010	10:01:43	91	3.1	15.73	167.7	
11/05/2010	10:02:13	7	0.0	15.74	168.7	
11/05/2010	10:02:43	7	0.0	15.70	168.7	
11/05/2010	10:03:13	7	0.0	15.70	168.7	
11/05/2010	10:03:43	7	0.0	15.70	168.7	
11/05/2010	10:04:13	9	0.0	15.70	168.7	
11/05/2010	10:04:43	10	0.0	15.71	168.7	
11/05/2010	10:05:13	11	0.0	15.75	168.7	
11/05/2010	10:05:43	62	0.1	15.72	168.7	
11/05/2010	10:06:13	19	2.4	10.23	169.8	
11/05/2010	10:06:43	55	3.6	10.31	171.4	
11/05/2010	10:07:13	53	3.6	9.68	173.3	
11/05/2010	10:07:43	55	3.8	9.16	175.1	
11/05/2010	10:08:13	49	3.6	9.12	177.1	
11/05/2010	10:08:43	55	3.7	8.67	178.9	
11/05/2010	10:09:13	53	3.9	8.65	180.8	
11/05/2010	10:09:43	55	3.9	8.62	182.8	
11/05/2010	10:10:13	54	3.9	8.55	184.7	
11/05/2010	10:10:43	51	3.9	8.53	186.7	
11/05/2010	10:11:13	48	3.9	8.53	188.6	
11/05/2010	10:11:43	45	3.6	8.52	190.6	
11/05/2010	10:12:13	49	3.5	8.51	192.3	
11/05/2010	10:12:43	50	3.5	8.54	194.1	
11/05/2010	10:13:13	51	3.5	8.51	195.8	
11/05/2010	10:13:43	51	3.3	8.49	197.5	
11/05/2010	10:14:13	51	3.4	8.51	199.2	
11/05/2010	10:14:43	50	3.3	8.49	200.8	
11/05/2010	10:15:13	49	3.2	8.48	202.5	
11/05/2010	10:15:43	62	3.3	8.48	204.1	
11/05/2010	10:16:13	70	3.3	8.47	205.8	
11/05/2010	10:16:43	77	3.3	8.47	207.4	
11/05/2010	10:17:11					Displace with fresh water.
11/05/2010	10:17:11					Good returns.
11/05/2010	10:17:11	68	3.4	8.47	209.0	
11/05/2010	10:17:12					Cement to surface at 20bbbls away.
11/05/2010	10:17:12					Total cement to surface was 66bbbls.
11/05/2010	10:17:12					Good returns.
11/05/2010	10:17:12	59	3.4	8.47	209.1	
11/05/2010	10:17:13	64	3.4	8.47	209.1	

Well		Field		Job Start		Customer		Job Number	
Federal 25-1 Federal 25-1		High Mesa		Nov/05/2010		EnCana		BAD4-00208	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/05/2010	10:18:13	104	3.5	8.46	212.6				
11/05/2010	10:18:43	73	3.5	8.47	214.3				
11/05/2010	10:19:13	107	3.4	8.48	216.0				
11/05/2010	10:19:43	78	3.4	8.47	217.7				
11/05/2010	10:20:13	102	3.5	8.13	219.5				
11/05/2010	10:20:43	144	4.9	8.46	221.3				
11/05/2010	10:21:13	151	4.9	8.43	223.8				
11/05/2010	10:21:43	152	4.9	8.48	226.3				
11/05/2010	10:22:13	178	4.9	8.47	228.7				
11/05/2010	10:22:43	182	4.9	8.46	231.2				
11/05/2010	10:23:13	182	4.9	8.43	233.6				
11/05/2010	10:23:43	215	4.9	8.46	236.1				
11/05/2010	10:24:13	252	4.9	8.46	238.5				
11/05/2010	10:24:43	243	4.9	8.46	240.9				
11/05/2010	10:25:13	233	4.9	8.46	243.4				
11/05/2010	10:25:43	192	2.5	8.46	245.2				
11/05/2010	10:26:13	205	2.4	8.46	246.4				
11/05/2010	10:26:43	195	1.9	8.46	247.5				
11/05/2010	10:27:13	233	2.0	8.46	248.5				
11/05/2010	10:27:43	213	1.9	8.46	249.4				
11/05/2010	10:28:13	254	2.0	8.46	250.4				
11/05/2010	10:28:43	224	1.9	8.46	251.4				
11/05/2010	10:29:13	226	1.9	8.46	252.4				
11/05/2010	10:29:43	230	1.9	8.46	253.3				
11/05/2010	10:30:13	267	1.9	8.46	254.3				
11/05/2010	10:30:43	261	2.0	8.46	255.3				
11/05/2010	10:31:13	257	1.9	8.46	256.3				
11/05/2010	10:31:43	301	1.9	8.46	257.2				
11/05/2010	10:32:13	277	1.9	8.46	258.2				
11/05/2010	10:32:37					Bump Top Plug			
11/05/2010	10:32:37	903	0.1	8.46	258.8				
11/05/2010	10:32:38					End Displacement			
11/05/2010	10:32:38	903	0.1	8.46	258.8				
11/05/2010	10:32:41					Bumped plug to 900psi.			
11/05/2010	10:32:41					Final displacement was 86bbbls.			
11/05/2010	10:32:41					Bleed off pressure.			
11/05/2010	10:32:41	895	0.0	8.46	258.9				
11/05/2010	10:32:42					Check floats.			
11/05/2010	10:32:42					Floats held.			
11/05/2010	10:32:42					Got .5bbbls back			
11/05/2010	10:32:42	896	0.0	8.46	258.9				
11/05/2010	10:32:43					Good cement to surface.			
11/05/2010	10:32:43					Total cement to surface was 66bbbls.			
11/05/2010	10:32:43	895	0.0	8.46	258.9				
11/05/2010	10:32:44					Good returns for entire job.			
11/05/2010	10:32:44	895	0.0	8.46	258.9				
11/05/2010	10:33:13	894	0.0	8.46	258.9				
11/05/2010	10:33:43	896	0.0	8.46	258.9				
11/05/2010	10:34:13	896	0.0	8.46	258.9				
11/05/2010	10:34:43	898	0.0	8.47	258.9				
11/05/2010	10:35:13	899	0.0	8.47	258.9				
11/05/2010	10:35:43	899	0.0	8.47	258.9				
11/05/2010	10:36:13	63	0.0	8.47	258.9				
11/05/2010	10:36:43	1	0.0	8.47	258.9				

Well Federal 25-1 Federal 25-1		Field High Mesa		Job Start Nov/05/2010		Customer EnCana		Job Number BAD4-00208	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/05/2010	10:37:37					End Job			
11/05/2010	10:37:37	2	0.0	8.47	258.9				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.0	N2	Mud	Maximum Rate 6.0	Total Slurry 123.0	Mud	Spacer 20.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3000	Final 900	Average 200	Bump Plug to 900	Breakdown	Type	Volume	Density		
Avg. N2 Percent	Designed Slurry Volume 123.0 bbl	Displacement 86.0 bbl	Mix Water Temp 50 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 66.0 bbl				
					Washed Thru Perfs <input type="checkbox"/>	To			
Customer or Authorized Representative Tony Ketterling			Schlumberger Supervisor Jeff Patterson		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>			
					-	-			