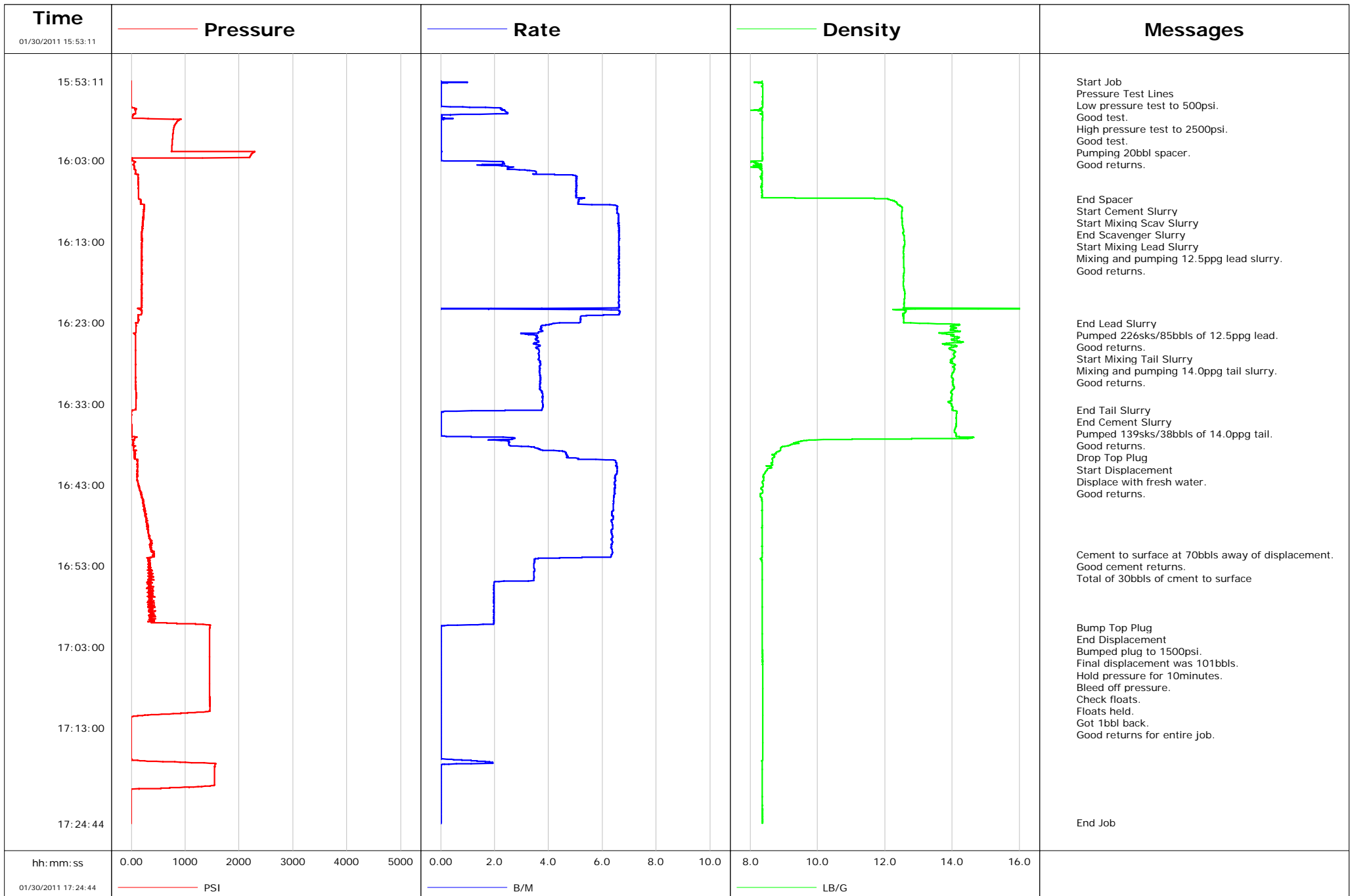


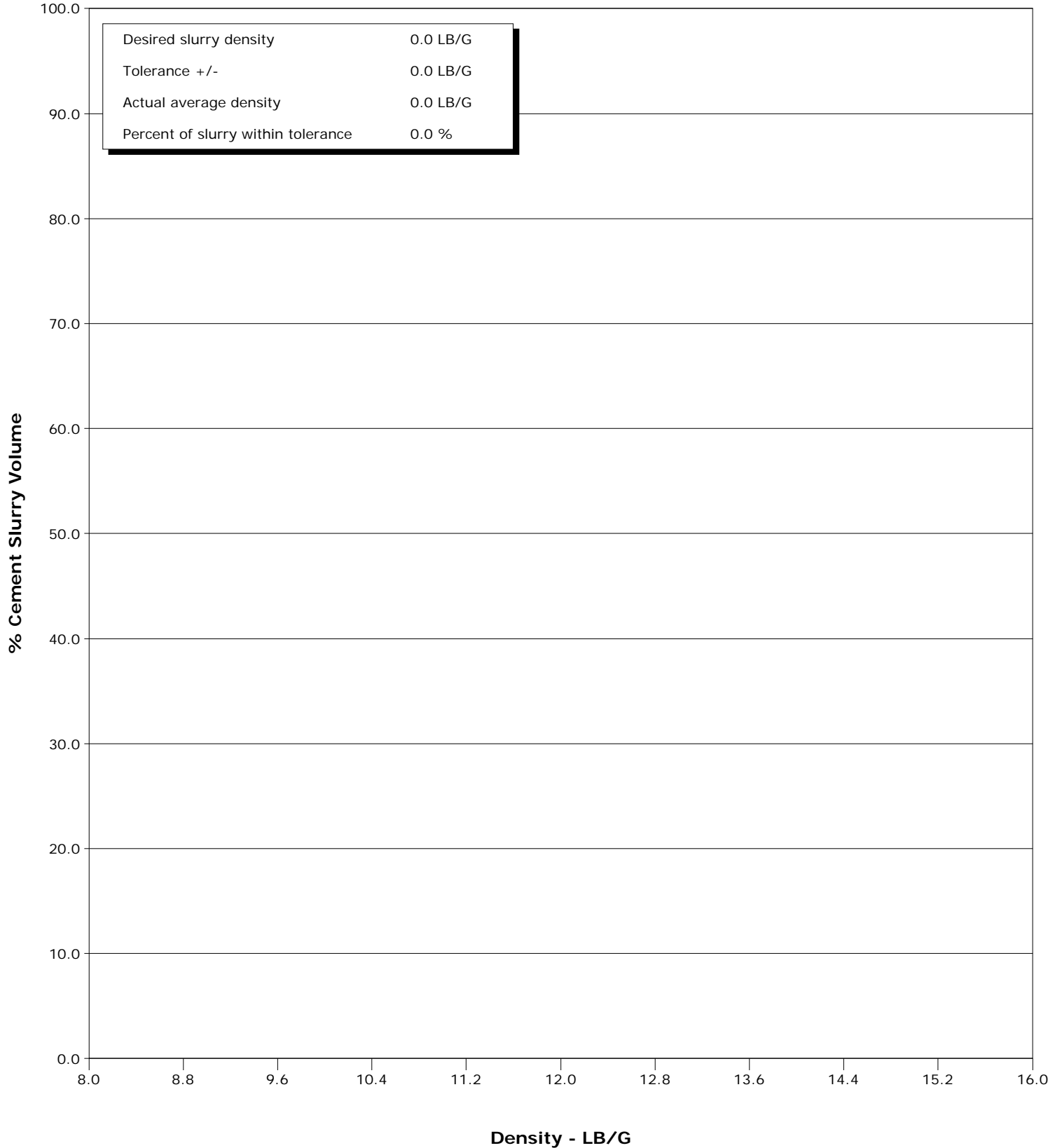
Well	MFO2C-16 H17 696	Client	ENCANA
Field	NORTH PARACHUTE	SIR No.	BAD4-00290
Engineer	JEFF PATTERSON	Job Type	9 5/8" SURFACE
Country	United States	Job Date	01-30-2011



Well MF02C-16 H17 696
Field NORTH PARACHUTE
Engineer JEFF PATTERSON
Country United States

Client ENCANA
SIR No. BAD4-00290
Job Type 9 5/8" SURFACE
Job Date 01-30-2011

- 04/08/1972 21:12:16 to 04/08/1972 21:22:56



				Customer			Job Number			
				ENCANA			BAD4-00290			
Well		Location (legal)			Schlumberger Location			Job Start		
MFO2C-16 H17 696 MFO2C-16 H17 696		H17			GRAND JUNCTION, COLORADO			Jan/30/2011		
Field		Formation Name/Type		Deviation	Bit Size		Well MD		Well TVD	
NORTH PARACHUTE		SHALE		deg	12.3 in		1326.0 ft		1326.0 ft	
County		State/Province			BHP	BHST		BHCT	Pore Press. Gradient	
GARFIELD		Colorado			psi	100 degF		86 degF	lb/gal	
Well Master		API/UWI								
0631240407										
Rig Name	Drilled For		Service Via		Casing/Liner					
PATTERSON 303	Gas		Land							
Offshore Zone	Well Class		Well Type		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
	New		Development		1326.0	9.6	36.0	J55	8RD	
					0.0	0.0	0.0			
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe					
		lb/gal	cP							
Service Line	Job Type		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Cementing	9 5/8" SURFACE									
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole					
2500 psi	psi		9 5/8" CMENT HEAD							
Service Instructions	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval					
CEMENT 9 5/8" SURFACE CASING WITH 226SKS 12.5PPG LEAD 139SKS 14.0PPG TAIL DISPLACE WITH 101BBLs OF WATER.	ft	ft			ft					
	ft	ft			ft		Diameter			
	ft	ft			in					
Treat Down		Displacement		Packer Type		Packer Depth				
Casing		101.1 bbl				ft				
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.				
bbl		102.5 bbl		84.0 bbl		196.0 bbl				
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement		Casing Tools			Squeeze Job			
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								
Lift Pressure		Shoe Type		Guide		Squeeze Type				
656 psi		Guide								
Pipe Rotated		Pipe Reciprocated		Shoe Depth		Tool Type				
<input type="checkbox"/>		<input type="checkbox"/>		1326.0 ft						
No. Centralizers		Top Plugs	Bottom Plugs		Stage Tool Type		Tool Depth		ft	
		1								
Cement Head Type		Stage Tool Depth		ft		Tail Pipe Size		in		
Single										
Job Scheduled For		Arrived on Location		Leave Location		Collar Type		1308		Tail Pipe Depth
Jan/30/2011		Jan/30/2011		Jan/30/2011						ft
						Collar Depth		ft		Sqz. Total Vol.
										bbl
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
01/30/2011	15:53:11	-5	0.0	8.37	0.0	Started Acquisition				
01/30/2011	15:53:15	-5	0.0	8.37	0.0	Pressure Test Lines				
01/30/2011	15:53:16	-5	0.0	8.37	0.0	Low pressure test to 500psi.				
01/30/2011	15:53:17	-5	0.0	8.37	0.0	High pressure test to 2500psi.				
01/30/2011	15:53:19	-5	0.0	8.37	0.0	Pumping 20bbl spacer.				
01/30/2011	15:53:20	-4	0.0	8.37	0.0	Good returns.				
01/30/2011	15:53:41	-1	0.0	8.37	0.1					
01/30/2011	15:54:11	-1	0.0	8.37	0.1					
01/30/2011	15:54:41	-4	0.0	8.37	0.1					
01/30/2011	15:55:11	-4	0.0	8.37	0.1					
01/30/2011	15:55:41	-5	0.0	8.37	0.1					
01/30/2011	15:56:11	-4	0.0	8.37	0.1					
01/30/2011	15:56:41	92	2.2	8.34	0.6					
01/30/2011	15:57:11	75	2.5	8.34	1.8					
01/30/2011	15:57:41	23	0.0	8.37	2.1					
01/30/2011	15:58:11	856	0.0	8.37	2.2					
01/30/2011	15:58:41	806	0.0	8.37	2.2					
01/30/2011	15:59:11	784	0.0	8.37	2.2					
01/30/2011	15:59:41	774	0.0	8.37	2.2					
01/30/2011	16:00:11	767	0.0	8.37	2.2					
01/30/2011	16:00:41	760	0.0	8.37	2.2					

Well		Field		Job Start		Customer		Job Number	
MF02C-16 H17 696 MF02C-16 H17 696		NORTH PARACHUTE		Jan/30/2011		ENCANA		BAD4-00290	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/30/2011	16:01:41	748	0.0	8.37	2.2				
01/30/2011	16:02:11	2236	0.0	8.37	2.2				
01/30/2011	16:02:41	1321	0.0	8.37	2.2				
01/30/2011	16:03:11	82	2.3	8.02	2.4				
01/30/2011	16:03:41	56	2.4	8.27	3.4				
01/30/2011	16:04:11	73	3.0	8.33	4.7				
01/30/2011	16:04:41	70	3.4	8.35	6.4				
01/30/2011	16:05:11	127	5.0	8.35	8.8				
01/30/2011	16:05:41	130	5.0	8.36	11.3				
01/30/2011	16:06:11	134	5.0	8.35	13.9				
01/30/2011	16:06:41	134	5.0	8.36	16.4				
01/30/2011	16:07:11	132	5.0	8.36	18.9				
01/30/2011	16:07:41	131	5.2	11.69	21.4				
01/30/2011	16:07:43	132	5.2	12.03	21.6	End Spacer			
01/30/2011	16:07:44	136	5.2	12.08	21.7	Start Cement Slurry			
01/30/2011	16:07:45	146	5.1	12.09	21.8	Start Mixing Scav Slurry			
01/30/2011	16:08:11	167	5.1	12.35	24.0				
01/30/2011	16:08:41	239	6.6	12.49	26.9				
01/30/2011	16:08:46	242	6.5	12.51	27.4	End Scavenger Slurry			
01/30/2011	16:08:47	236	6.5	12.51	27.5	Start Mixing Lead Slurry			
01/30/2011	16:08:48	236	6.5	12.51	27.6	Mixing and pumping 12.5ppg lead slurry.			
01/30/2011	16:08:49	236	6.5	12.51	27.7	Good returns.			
01/30/2011	16:09:11	231	6.5	12.51	30.1				
01/30/2011	16:09:41	223	6.6	12.51	33.4				
01/30/2011	16:10:11	220	6.6	12.51	36.7				
01/30/2011	16:10:41	211	6.6	12.51	40.0				
01/30/2011	16:11:11	202	6.6	12.53	43.3				
01/30/2011	16:11:41	197	6.6	12.56	46.6				
01/30/2011	16:12:11	196	6.6	12.55	49.9				
01/30/2011	16:12:41	195	6.6	12.57	53.2				
01/30/2011	16:13:11	199	6.6	12.59	56.5				
01/30/2011	16:13:41	197	6.6	12.57	59.8				
01/30/2011	16:14:11	201	6.6	12.55	63.1				
01/30/2011	16:14:41	187	6.6	12.56	66.4				
01/30/2011	16:15:11	197	6.6	12.56	69.7				
01/30/2011	16:15:41	191	6.6	12.56	73.0				
01/30/2011	16:16:11	190	6.6	12.57	76.4				
01/30/2011	16:16:41	199	6.6	12.58	79.7				
01/30/2011	16:17:11	187	6.6	12.55	83.0				
01/30/2011	16:17:41	197	6.6	12.56	86.3				
01/30/2011	16:18:11	197	6.6	12.55	89.6				
01/30/2011	16:18:41	189	6.6	12.56	92.9				
01/30/2011	16:19:11	194	6.6	12.59	96.2				
01/30/2011	16:19:41	187	6.6	12.59	99.5				
01/30/2011	16:20:11	190	6.6	12.58	102.8				
01/30/2011	16:20:41	188	6.6	12.57	106.1				
01/30/2011	16:21:11	190	6.6	12.54	109.4				
01/30/2011	16:21:41	199	6.7	12.61	112.0				
01/30/2011	16:22:11	129	5.2	12.53	115.2				
01/30/2011	16:22:41	141	5.2	12.56	117.8				
01/30/2011	16:23:01	124	5.1	12.55	119.5	End Lead Slurry			
01/30/2011	16:23:04	85	4.4	12.76	119.7	Pumped 226sks/85bbls of 12.5ppg lead.			
01/30/2011	16:23:05	86	4.2	13.03	119.8	Good returns.			
01/30/2011	16:23:11	87	4.1	13.92	120.2	Start Mixing Tail Slurry			

Well		Field		Job Start		Customer		Job Number	
MF02C-16 H17 696 MF02C-16 H17 696		NORTH PARACHUTE		Jan/30/2011		ENCANA		BAD4-00290	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/30/2011	16:23:41	88	3.7	14.12	122.1				
01/30/2011	16:24:11	85	3.6	14.02	124.0				
01/30/2011	16:24:41	82	3.6	14.02	125.7				
01/30/2011	16:25:11	80	3.6	14.01	127.5				
01/30/2011	16:25:41	79	3.5	13.74	129.3				
01/30/2011	16:26:11	78	3.6	13.90	131.1				
01/30/2011	16:26:41	80	3.6	14.08	132.9				
01/30/2011	16:27:11	80	3.7	14.07	134.7				
01/30/2011	16:27:41	81	3.7	13.97	136.5				
01/30/2011	16:28:11	82	3.7	14.09	138.4				
01/30/2011	16:28:41	82	3.7	14.08	140.2				
01/30/2011	16:29:11	81	3.7	14.01	142.0				
01/30/2011	16:29:41	83	3.7	13.97	143.9				
01/30/2011	16:30:11	81	3.7	14.02	145.7				
01/30/2011	16:30:41	83	3.7	14.02	147.6				
01/30/2011	16:31:11	83	3.7	14.04	149.4				
01/30/2011	16:31:41	92	3.8	13.97	151.3				
01/30/2011	16:32:11	90	3.8	13.98	153.2				
01/30/2011	16:32:41	85	3.8	13.94	155.1				
01/30/2011	16:33:11	87	3.8	13.97	156.9				
01/30/2011	16:33:41	84	3.8	14.00	158.8				
01/30/2011	16:33:47	85	3.7	13.98	159.2	End Tail Slurry			
01/30/2011	16:33:48	22	3.7	13.98	159.3	End Cement Slurry			
01/30/2011	16:33:49	22	3.5	13.98	159.3	Pumped 139sks/38bbbls of 14.0ppg tail.			
01/30/2011	16:33:50	13	2.4	14.04	159.4	Good returns.			
01/30/2011	16:33:52	5	1.7	14.10	159.5	Drop Top Plug			
01/30/2011	16:33:53	-5	1.2	14.11	159.5	Start Displacement			
01/30/2011	16:33:55	-5	0.6	14.12	159.5	Displace with fresh water.			
01/30/2011	16:34:11	-1	0.0	14.13	159.5				
01/30/2011	16:34:41	-1	0.0	14.12	159.5				
01/30/2011	16:35:11	-1	0.0	14.12	159.5				
01/30/2011	16:35:41	2	0.0	14.12	159.5				
01/30/2011	16:36:11	5	0.0	14.08	159.5				
01/30/2011	16:36:41	3	0.0	14.10	159.5				
01/30/2011	16:37:11	78	2.7	14.57	159.8				
01/30/2011	16:37:41	31	2.5	9.45	161.0				
01/30/2011	16:38:11	41	2.6	9.13	162.3				
01/30/2011	16:38:41	42	3.7	8.91	164.0				
01/30/2011	16:39:11	49	4.7	8.76	166.2				
01/30/2011	16:39:41	70	4.9	8.68	168.5				
01/30/2011	16:40:11	114	6.5	8.67	171.5				
01/30/2011	16:40:41	114	6.5	8.47	174.7				
01/30/2011	16:41:11	109	6.5	8.50	178.0				
01/30/2011	16:41:41	108	6.5	8.43	181.3				
01/30/2011	16:42:11	102	6.5	8.40	184.5				
01/30/2011	16:42:41	120	6.5	8.35	187.7				
01/30/2011	16:43:11	142	6.5	8.39	191.0				
01/30/2011	16:43:41	155	6.5	8.37	194.2				
01/30/2011	16:44:11	187	6.4	8.31	197.4				
01/30/2011	16:44:41	209	6.4	8.35	200.6				
01/30/2011	16:45:11	207	6.4	8.36	203.8				
01/30/2011	16:45:41	229	6.4	8.36	207.0				
01/30/2011	16:46:11	252	6.4	8.35	210.2				
01/30/2011	16:46:41	253	6.3	8.36	213.4				

Well		Field		Job Start		Customer		Job Number	
MF02C-16 H17 696 MF02C-16 H17 696		NORTH PARACHUTE		Jan/30/2011		ENCANA		BAD4-00290	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/30/2011	16:47:41	280	6.4	8.36	219.8				
01/30/2011	16:48:11	298	6.4	8.36	223.0				
01/30/2011	16:48:41	306	6.3	8.36	226.2				
01/30/2011	16:49:11	324	6.4	8.36	229.3				
01/30/2011	16:49:41	347	6.3	8.37	232.5				
01/30/2011	16:50:11	385	6.4	8.36	235.7				
01/30/2011	16:50:41	358	6.3	8.36	238.8				
01/30/2011	16:51:11	367	6.4	8.36	242.0				
01/30/2011	16:51:35	432	6.4	8.36	244.6	Cement to surface at 70bbbls away of displacement.			
01/30/2011	16:51:36	406	6.3	8.36	244.7	Good cement returns.			
01/30/2011	16:51:41	405	6.3	8.37	245.2				
01/30/2011	16:52:11	310	3.5	8.33	247.8				
01/30/2011	16:52:13	334	3.5	8.34	248.0	Total of 30bbbls of cement to surface			
01/30/2011	16:52:41	340	3.5	8.36	249.6				
01/30/2011	16:53:11	307	3.5	8.37	251.3				
01/30/2011	16:53:41	345	3.5	8.36	253.0				
01/30/2011	16:54:11	336	3.5	8.36	254.8				
01/30/2011	16:54:41	314	3.5	8.37	256.5				
01/30/2011	16:55:11	327	2.0	8.37	257.8				
01/30/2011	16:55:41	303	2.0	8.36	258.8				
01/30/2011	16:56:11	326	2.0	8.36	259.7				
01/30/2011	16:56:41	323	2.0	8.36	260.7				
01/30/2011	16:57:11	338	2.0	8.36	261.7				
01/30/2011	16:57:41	364	2.0	8.36	262.7				
01/30/2011	16:58:11	354	2.0	8.36	263.7				
01/30/2011	16:58:41	371	2.0	8.36	264.7				
01/30/2011	16:59:11	365	2.0	8.36	265.7				
01/30/2011	16:59:41	367	2.0	8.36	266.6				
01/30/2011	17:00:11	1195	2.0	8.36	267.6				
01/30/2011	17:00:36	1455	0.0	8.37	267.8	Bump Top Plug			
01/30/2011	17:00:38	1455	0.0	8.37	267.8	Bumped plug to 1500psi.			
01/30/2011	17:00:39	1455	0.0	8.37	267.8	Hold pressure for 10minutes.			
01/30/2011	17:00:40	1455	0.0	8.37	267.8	Good returns for entire job.			
01/30/2011	17:00:41	1454	0.0	8.37	267.8				
01/30/2011	17:01:11	1451	0.0	8.37	267.8				
01/30/2011	17:01:41	1451	0.0	8.37	267.8				
01/30/2011	17:02:11	1451	0.0	8.37	267.8				
01/30/2011	17:02:41	1451	0.0	8.37	267.8				
01/30/2011	17:03:11	1451	0.0	8.37	267.8				
01/30/2011	17:03:41	1451	0.0	8.37	267.8				
01/30/2011	17:04:11	1452	0.0	8.37	267.8				
01/30/2011	17:04:41	1452	0.0	8.37	267.8				
01/30/2011	17:05:11	1453	0.0	8.37	267.8				
01/30/2011	17:05:41	1453	0.0	8.37	267.8				
01/30/2011	17:06:11	1453	0.0	8.37	267.8				
01/30/2011	17:06:41	1453	0.0	8.37	267.8				
01/30/2011	17:07:11	1454	0.0	8.37	267.8				
01/30/2011	17:07:41	1454	0.0	8.37	267.8				
01/30/2011	17:08:11	1455	0.0	8.37	267.8				
01/30/2011	17:08:41	1455	0.0	8.37	267.8				
01/30/2011	17:09:11	1455	0.0	8.37	267.8				
01/30/2011	17:09:41	1455	0.0	8.37	267.8				
01/30/2011	17:10:11	1455	0.0	8.37	267.8				
01/30/2011	17:10:41	1455	0.0	8.37	267.8				

Well		Field		Job Start		Customer		Job Number	
MF02C-16 H17 696 MF02C-16 H17 696		NORTH PARACHUTE		Jan/30/2011		ENCANA		BAD4-00290	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/30/2011	17:11:41	-2	0.0	8.37	267.8				
01/30/2011	17:12:11	-2	0.0	8.37	267.8				
01/30/2011	17:12:41	-2	0.0	8.37	267.8				
01/30/2011	17:13:11	-2	0.0	8.37	267.8				
01/30/2011	17:13:41	-1	0.0	8.37	267.8				
01/30/2011	17:14:11	-1	0.0	8.37	267.8				
01/30/2011	17:14:41	-2	0.0	8.37	267.8				
01/30/2011	17:15:11	-1	0.0	8.37	267.8				
01/30/2011	17:15:41	-2	0.0	8.37	267.8				
01/30/2011	17:16:11	-2	0.0	8.37	267.8				
01/30/2011	17:16:41	-2	0.0	8.37	267.8				
01/30/2011	17:17:11	692	1.8	8.36	268.2				
01/30/2011	17:17:41	1548	0.0	8.36	268.6				
01/30/2011	17:18:11	1543	0.0	8.36	268.6				
01/30/2011	17:18:41	1541	0.0	8.37	268.6				
01/30/2011	17:19:11	1541	0.0	8.37	268.6				
01/30/2011	17:19:41	1540	0.0	8.37	268.6				
01/30/2011	17:20:11	1364	0.0	8.37	268.6				
01/30/2011	17:20:41	-4	0.0	8.37	268.6				
01/30/2011	17:21:11	-3	0.0	8.36	268.6				
01/30/2011	17:21:41	-3	0.0	8.37	268.6				
01/30/2011	17:22:11	-3	0.0	8.37	268.6				
01/30/2011	17:22:41	-2	0.0	8.37	268.6				
01/30/2011	17:23:11	-3	0.0	8.37	268.6				
01/30/2011	17:23:41	-3	0.0	8.37	268.6				
01/30/2011	17:24:11	-3	0.0	8.37	268.6				
01/30/2011	17:24:40	-3	0.0	8.37	268.6	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
4.7			6.7	268.6	0.0	21.5	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2287	-3	469	1500			bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	30.0 bbl
%	0.0 bbl	108.4 bbl	75 degF	Washed Thru Perfs	<input type="checkbox"/>	To	ft
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
ED ASCHUAK	JEFF PATTERSON			-		-	