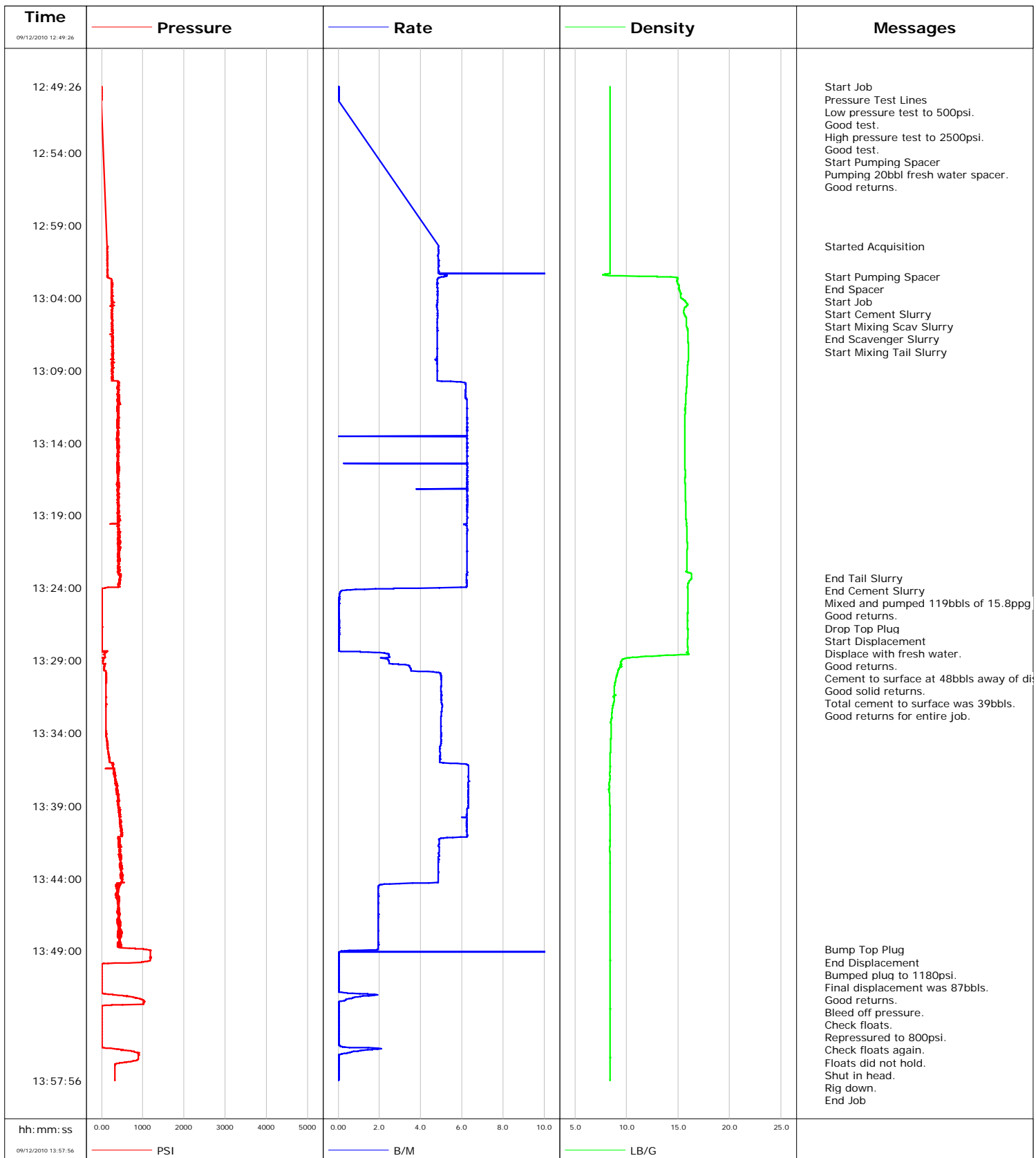


Well	Twin Creek 1-10C2	Client	EnCana
Field	Divide Creek	SIR No.	B2IJ-00230
Engineer	Jeff Patterson	Job Type	9 5/8" Surface
Country	United States	Job Date	09-12-2010



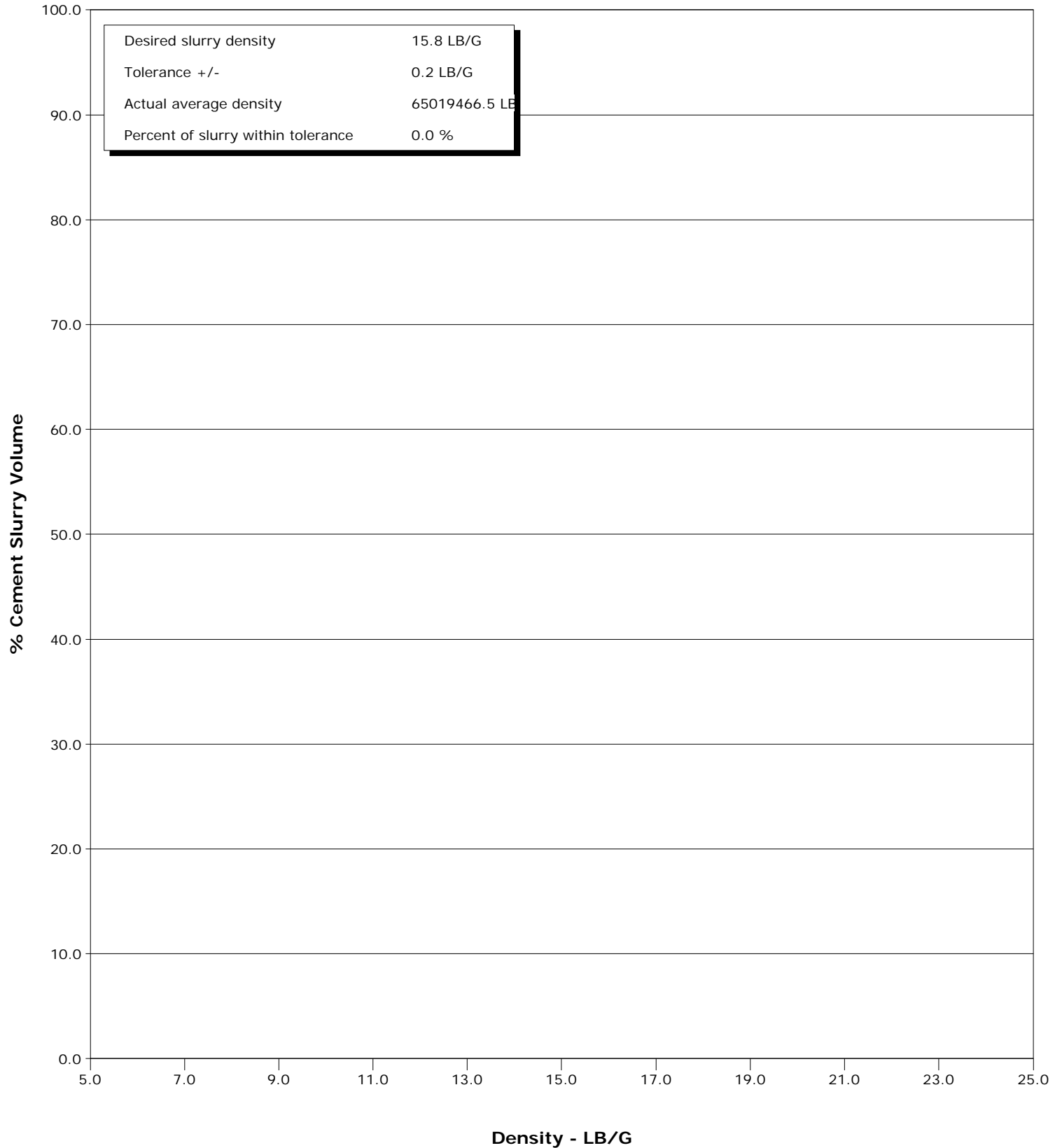
Schlumberger

Cementing Qa/Qc Density Report

Well Twin Creek 1-10C2
Field Divide Creek
Engineer Jeff Patterson
Country United States

Client EnCana
SIR No. B2IJ-00230
Job Type 9 5/8" Surface
Job Date 09-12-2010

Cement Slurry - 09/12/2010 13:02:40 to 09/12/2010 13:23:20



Cementing Service Report

				Customer EnCana		Job Number B2IJ-00230	
Well Twin Creek 1-10C2 Twin Creek 1-10C2			Location (legal) O1EB		Schlumberger Location Grand Junction, Colorado		Job Start Sep/12/2010
Field Divide Creek		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1173.0 ft	Well TVD 1173.0 ft
County Garfield		State/Province Colorado		BHP	BHST 94 degF	BHCT 81 degF	Pore Press. Gradient
Well Master 0631186393		API/UWI					
Rig Name Nabors M-15		Drilled For Gas		Service Via Land		Casing/Liner	
				Depth, ft	Size, in	Weight, lb/ft	Grade
							Thread
Offshore Zone		Well Class New		Well Type Development			
				1173.0	9.630	36.0	J55
				0.0	0.000	0.0	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe	
				Depth,	Size,	Weight,	Grade
							Thread
Service Line Cementing		Job Type 9 5/8" Surface					
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection 9 5/8" Cement Head		Perforations/Open Hole	
				Top,	Bottom,	No. of Shots	Total Interval
							Diameter
				Treat Down Casing	Displacement 87.3 bbl	Packer Type	Packer Depth
				Tubing Vol.	Casing Vol. 90.7 bbl	Annular Vol. 69.0 bbl	Openhole Vol. 163.0 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 580 psi				Shoe Type Guide		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1173.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Tool Depth	
Cement Head Type Single				Stage Tool Type		Tool Depth	
				Stage Tool Depth		Tail Pipe Size	
Job Scheduled For Sep/12/2010		Arrived on Location Sep/12/2010		Leave Location Sep/12/2010		Collar Type Float	
						Tail Pipe Depth	
				Collar Depth 1129.0 ft		Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/12/2010	11:28:21					Started Acquisition	
09/12/2010	12:49:26					Start Job	
09/12/2010	12:49:26	-2	0.0	8.41	0.0		
09/12/2010	12:49:28					Pressure Test Lines	
09/12/2010	12:49:28	-2	0.0	8.41	0.0		
09/12/2010	12:49:29					Low pressure test to 500psi.	
09/12/2010	12:49:29					Good test.	
09/12/2010	12:49:29	-3	0.0	8.41	0.0		
09/12/2010	12:49:30					High pressure test to 2500psi.	
09/12/2010	12:49:30					Good test.	
09/12/2010	12:49:30	-2	0.0	8.41	0.0		
09/12/2010	12:49:32					Start Pumping Spacer	
09/12/2010	12:49:32	-2	0.0	8.41	0.0		
09/12/2010	12:49:33					Pumping 20bbl fresh water spacer.	
09/12/2010	12:49:33	-2	0.0	8.41	0.0		
09/12/2010	12:49:34					Good returns.	
09/12/2010	12:49:34	-3	0.0	8.41	0.0		
09/12/2010	12:49:51	-2	0.0	8.41	0.0		
09/12/2010	12:50:21	-2	0.0	8.41	0.0		
09/12/2010	13:00:27					Started Acquisition	
09/12/2010	13:00:27	136	4.9	8.41	0.0		

Well Twin Creek 1-10C2 Twin Creek 1-10C2			Field Divide Creek		Job Start Sep/12/2010	Customer EnCana	Job Number B2IJ-00230
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/12/2010	13:01:21	138	4.8	8.42	4.4		
09/12/2010	13:01:51	148	4.9	8.41	6.8		
09/12/2010	13:02:21	146	4.9	8.31	9.5		
09/12/2010	13:02:32					Start Pumping Spacer	
09/12/2010	13:02:32	140	5.1	12.97	10.4		
09/12/2010	13:02:33					End Spacer	
09/12/2010	13:02:33	136	5.1	12.97	10.5		
09/12/2010	13:02:34					Start Job	
09/12/2010	13:02:34	136	5.0	14.31	10.6		
09/12/2010	13:02:40					Start Cement Slurry	
09/12/2010	13:02:40					Start Mixing Scav Slurry	
09/12/2010	13:02:40	190	4.8	14.98	11.1		
09/12/2010	13:02:51	250	4.8	14.91	12.0		
09/12/2010	13:03:21	236	4.8	15.08	14.4		
09/12/2010	13:03:51	246	4.8	15.26	16.8		
09/12/2010	13:04:17					End Scavenger Slurry	
09/12/2010	13:04:17	268	4.8	15.73	18.9		
09/12/2010	13:04:18					Start Mixing Tail Slurry	
09/12/2010	13:04:18	268	4.8	15.77	19.0		
09/12/2010	13:04:21	272	4.8	15.82	19.2		
09/12/2010	13:04:51	235	4.8	15.58	21.6		
09/12/2010	13:05:21	232	4.8	15.78	24.0		
09/12/2010	13:05:51	249	4.8	15.80	26.4		
09/12/2010	13:06:21	260	4.8	15.96	28.8		
09/12/2010	13:06:51	255	4.8	15.96	31.2		
09/12/2010	13:07:21	270	4.8	16.01	33.6		
09/12/2010	13:07:51	268	4.8	16.00	36.0		
09/12/2010	13:08:21	263	4.8	15.99	38.4		
09/12/2010	13:08:51	286	4.8	15.93	40.8		
09/12/2010	13:09:21	278	4.8	15.89	43.2		
09/12/2010	13:09:51	413	6.1	15.88	45.7		
09/12/2010	13:10:21	439	6.2	15.80	48.8		
09/12/2010	13:10:51	394	6.2	15.75	51.9		
09/12/2010	13:11:21	450	6.3	15.73	55.0		
09/12/2010	13:11:51	382	6.3	15.69	58.1		
09/12/2010	13:12:21	426	6.3	15.65	61.2		
09/12/2010	13:12:51	417	6.3	15.67	64.3		
09/12/2010	13:13:21	430	6.2	15.67	67.5		
09/12/2010	13:13:51	397	6.3	15.66	70.4		
09/12/2010	13:14:21	377	6.3	15.65	73.6		
09/12/2010	13:14:51	391	6.3	15.67	76.7		
09/12/2010	13:15:21	379	6.3	15.65	79.8		
09/12/2010	13:15:51	381	6.3	15.68	82.8		
09/12/2010	13:16:21	396	6.3	15.69	86.0		
09/12/2010	13:16:51	364	6.2	15.69	89.1		
09/12/2010	13:17:21	393	6.3	15.71	92.2		
09/12/2010	13:17:51	387	6.3	15.72	95.3		
09/12/2010	13:18:21	437	6.3	15.75	98.4		
09/12/2010	13:18:51	425	6.2	15.76	101.5		
09/12/2010	13:19:21	447	6.3	15.79	104.7		
09/12/2010	13:19:51	414	6.3	15.85	107.8		
09/12/2010	13:20:21	429	6.3	15.87	110.9		
09/12/2010	13:20:51	400	6.2	15.88	114.0		
09/12/2010	13:21:21	397	6.3	15.88	117.2		

Well Twin Creek 1-10C2 Twin Creek 1-10C2			Field Divide Creek		Job Start Sep/12/2010		Customer EnCana		Job Number B2IJ-00230	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/12/2010	13:22:21	438	6.2	15.85	123.4					
09/12/2010	13:22:51	440	6.2	15.82	126.5					
09/12/2010	13:23:18					End Tail Slurry				
09/12/2010	13:23:18	462	6.2	16.33	129.3					
09/12/2010	13:23:20					End Cement Slurry				
09/12/2010	13:23:20	436	6.2	16.30	129.5					
09/12/2010	13:23:21					Mixed and pumped 119bbls of 15.8ppg tail slurry.				
09/12/2010	13:23:21	453	6.2	16.30	129.6					
09/12/2010	13:23:22					Good returns.				
09/12/2010	13:23:22	445	6.2	16.29	129.7					
09/12/2010	13:23:51	408	6.2	15.96	132.8					
09/12/2010	13:23:57					Drop Top Plug				
09/12/2010	13:23:57	407	6.2	15.93	133.4					
09/12/2010	13:23:59					Start Displacement				
09/12/2010	13:23:59	94	4.9	15.93	133.6					
09/12/2010	13:24:03					Displace with fresh water.				
09/12/2010	13:24:03					Good returns.				
09/12/2010	13:24:03					Cement to surface at 48bbls away of displacement.				
09/12/2010	13:24:03					Good solid returns.				
09/12/2010	13:24:03	11	2.7	15.97	133.8					
09/12/2010	13:24:04					Total cement to surface was 39bbls.				
09/12/2010	13:24:04					Good returns for entire job.				
09/12/2010	13:24:04	11	1.8	15.97	133.9					
09/12/2010	13:24:21	9	0.1	15.97	134.0					
09/12/2010	13:24:51	8	0.1	15.96	134.0					
09/12/2010	13:25:21	7	0.0	15.96	134.0					
09/12/2010	13:25:51	8	0.0	15.94	134.0					
09/12/2010	13:26:21	11	0.1	15.93	134.0					
09/12/2010	13:26:51	13	0.0	15.94	134.1					
09/12/2010	13:27:21	12	0.0	15.94	134.1					
09/12/2010	13:27:51	9	0.0	15.93	134.1					
09/12/2010	13:28:21	149	0.0	15.95	134.1					
09/12/2010	13:28:51	61	2.2	9.98	135.1					
09/12/2010	13:29:21	70	3.4	9.40	136.4					
09/12/2010	13:29:51	112	4.9	9.15	138.3					
09/12/2010	13:30:21	113	5.0	8.96	140.8					
09/12/2010	13:30:51	113	5.0	8.83	143.3					
09/12/2010	13:31:21	111	5.0	8.85	145.8					
09/12/2010	13:31:51	110	5.0	8.79	148.3					
09/12/2010	13:32:21	107	5.0	8.63	150.8					
09/12/2010	13:32:51	108	5.0	8.56	153.3					
09/12/2010	13:33:21	106	5.0	8.52	155.8					
09/12/2010	13:33:51	111	5.0	8.53	158.3					
09/12/2010	13:34:21	115	5.0	8.50	160.8					
09/12/2010	13:34:51	139	5.0	8.45	163.2					
09/12/2010	13:35:21	165	5.0	8.44	165.7					
09/12/2010	13:35:51	184	4.9	8.41	168.2					
09/12/2010	13:36:21	284	6.3	8.43	171.0					
09/12/2010	13:36:51	329	6.3	8.38	174.1					
09/12/2010	13:37:21	340	6.3	8.36	177.3					
09/12/2010	13:37:51	385	6.3	8.29	180.5					
09/12/2010	13:38:21	409	6.3	8.37	183.6					
09/12/2010	13:38:51	399	6.3	8.38	186.8					
09/12/2010	13:39:21	423	6.2	8.42	189.9					

Well			Field	Job Start		Customer	Job Number
Twin Creek 1-10C2 Twin Creek 1-10C2			Divide Creek	Sep/12/2010		EnCana	B2IJ-00230
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/12/2010	13:40:21	447	6.2	8.42	196.1		
09/12/2010	13:40:51	471	6.2	8.42	199.2		
09/12/2010	13:41:21	435	4.9	8.39	202.2		
09/12/2010	13:41:51	475	4.9	8.37	204.6		
09/12/2010	13:42:21	465	4.9	8.40	207.1		
09/12/2010	13:42:51	462	4.8	8.42	209.5		
09/12/2010	13:43:21	508	4.9	8.42	211.9		
09/12/2010	13:43:51	508	4.8	8.42	214.3		
09/12/2010	13:44:21	435	3.6	8.42	216.7		
09/12/2010	13:44:51	394	1.9	8.42	217.8		
09/12/2010	13:45:21	352	1.9	8.42	218.8		
09/12/2010	13:45:51	410	1.9	8.42	219.7		
09/12/2010	13:46:21	375	1.9	8.42	220.7		
09/12/2010	13:46:51	380	1.9	8.41	221.7		
09/12/2010	13:47:21	411	1.9	8.42	222.6		
09/12/2010	13:47:51	409	1.9	8.42	223.6		
09/12/2010	13:48:21	452	1.9	8.41	224.6		
09/12/2010	13:48:51	813	1.9	8.41	225.6		
09/12/2010	13:48:54					Bump Top Plug	
09/12/2010	13:48:54	1022	1.9	8.42	225.7		
09/12/2010	13:48:55					End Displacement	
09/12/2010	13:48:55	1076	1.9	8.42	225.7		
09/12/2010	13:48:57					Bumped plug to 1180psi.	
09/12/2010	13:48:57					Final displacement was 87bbbls.	
09/12/2010	13:48:57					Good returns.	
09/12/2010	13:48:57					Bleed off pressure.	
09/12/2010	13:48:57					Check floats.	
09/12/2010	13:48:57	1148	1.6	8.42	225.8		
09/12/2010	13:48:59					Repressured to 800psi.	
09/12/2010	13:48:59					Check floats again.	
09/12/2010	13:48:59					Floats did not hold.	
09/12/2010	13:48:59	1188	0.5	8.42	225.8		
09/12/2010	13:49:00					Shut in head.	
09/12/2010	13:49:00					Rig down.	
09/12/2010	13:49:00	1181	0.5	8.42	225.8		
09/12/2010	13:49:21	1183	0.0	8.42	229.8		
09/12/2010	13:49:51	323	0.0	8.42	229.8		
09/12/2010	13:50:21	-2	0.0	8.42	229.8		
09/12/2010	13:50:51	-2	0.0	8.42	229.8		
09/12/2010	13:51:21	-1	0.0	8.42	229.8		
09/12/2010	13:51:51	3	0.0	8.42	229.8		
09/12/2010	13:52:21	960	0.4	8.42	230.2		
09/12/2010	13:52:51	-1	0.0	8.42	230.3		
09/12/2010	13:53:21	-2	0.0	8.42	230.3		
09/12/2010	13:53:51	-1	0.0	8.42	230.3		
09/12/2010	13:54:21	-1	0.0	8.42	230.3		
09/12/2010	13:54:51	-1	0.0	8.42	230.3		
09/12/2010	13:55:21	-1	0.0	8.42	230.3		
09/12/2010	13:55:51	476	1.2	8.42	230.6		
09/12/2010	13:56:21	897	0.0	8.41	230.8		
09/12/2010	13:56:51	324	0.0	8.42	230.8		
09/12/2010	13:57:21	327	0.0	8.42	230.8		
09/12/2010	13:57:51	326	0.0	8.42	230.8		
09/12/2010	13:57:53					End Job	

Well Twin Creek 1-10C2 Twin Creek 1-10C2	Field Divide Creek	Job Start Sep/12/2010	Customer EnCana	Job Number B2IJ-00230
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.0	N2	Mud	Maximum Rate 5.0	Total Slurry 119.0	Mud	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2500	Final 1180	Average 150	Bump Plug to 1180	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 119.0 bbl		Displacement 87.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 39.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Tim Phillips			Schlumberger Supervisor Jeff Patterson			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	