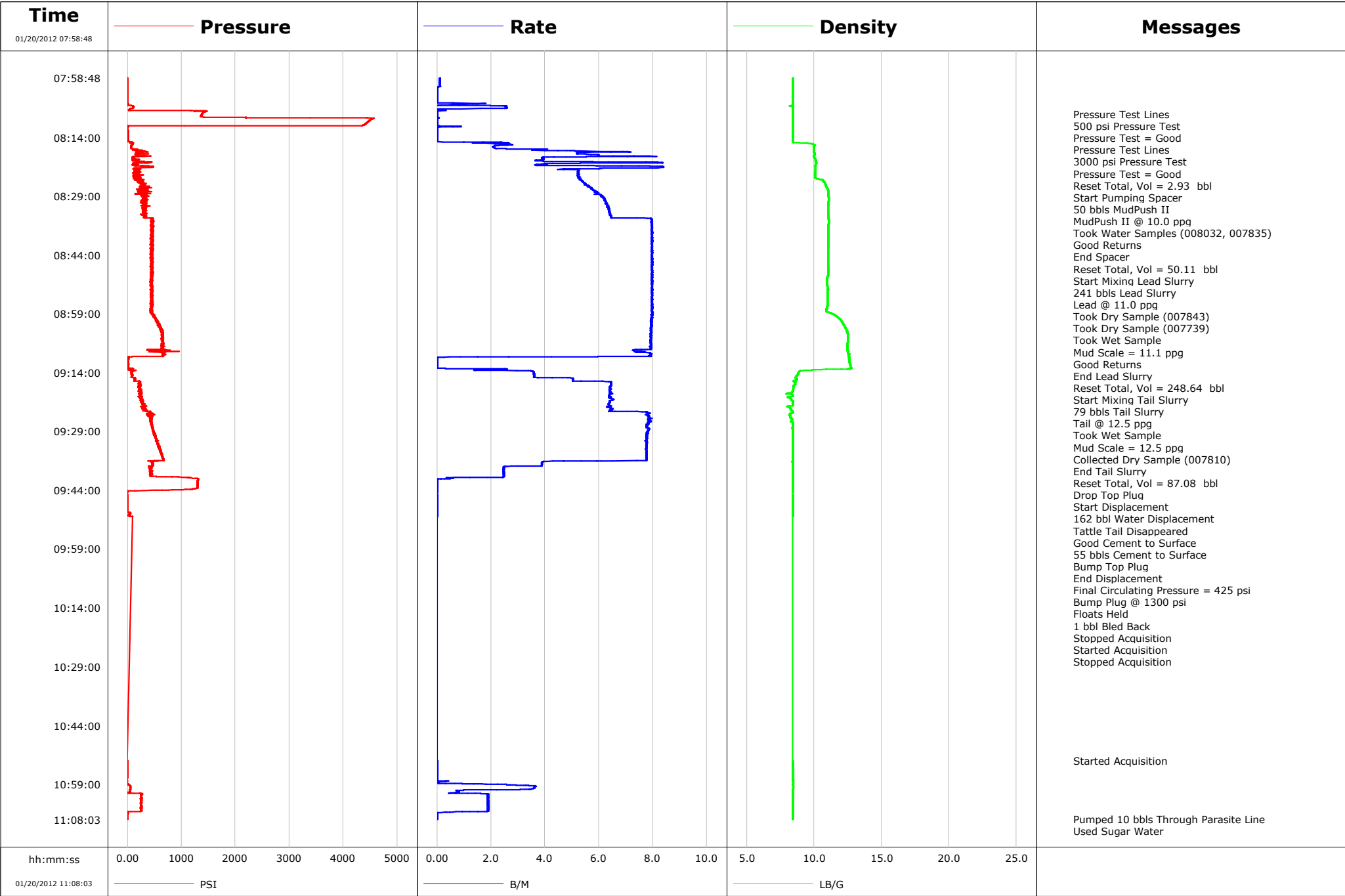


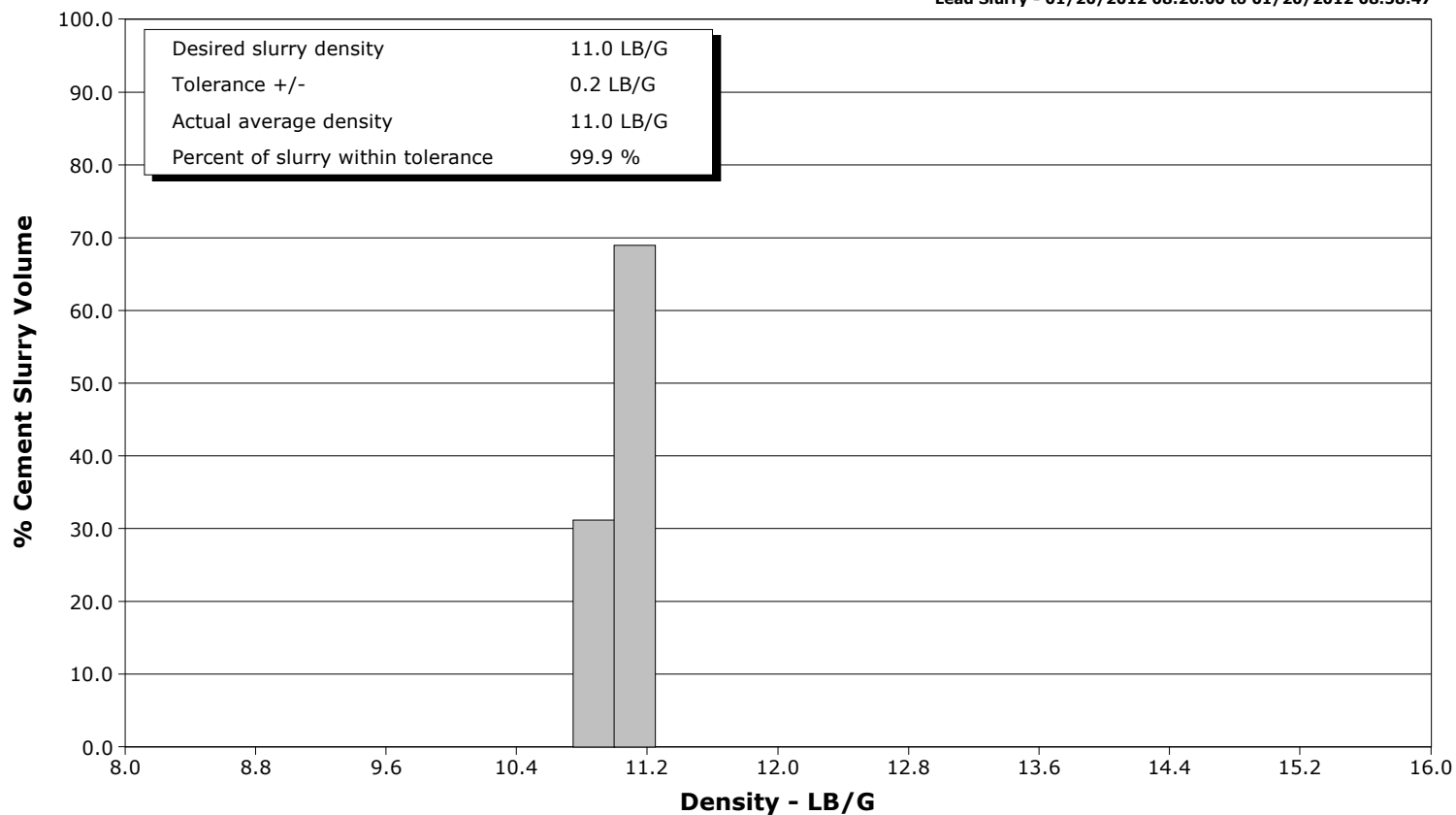
Well	DW 8609C-28	Client	EnCana
Field	Double Willow	SIR No.	BQMF-00617
Engineer	Ryan Bowditch	Job Type	9 5/8" Surface
Country	United States	Job Date	01-20-2012



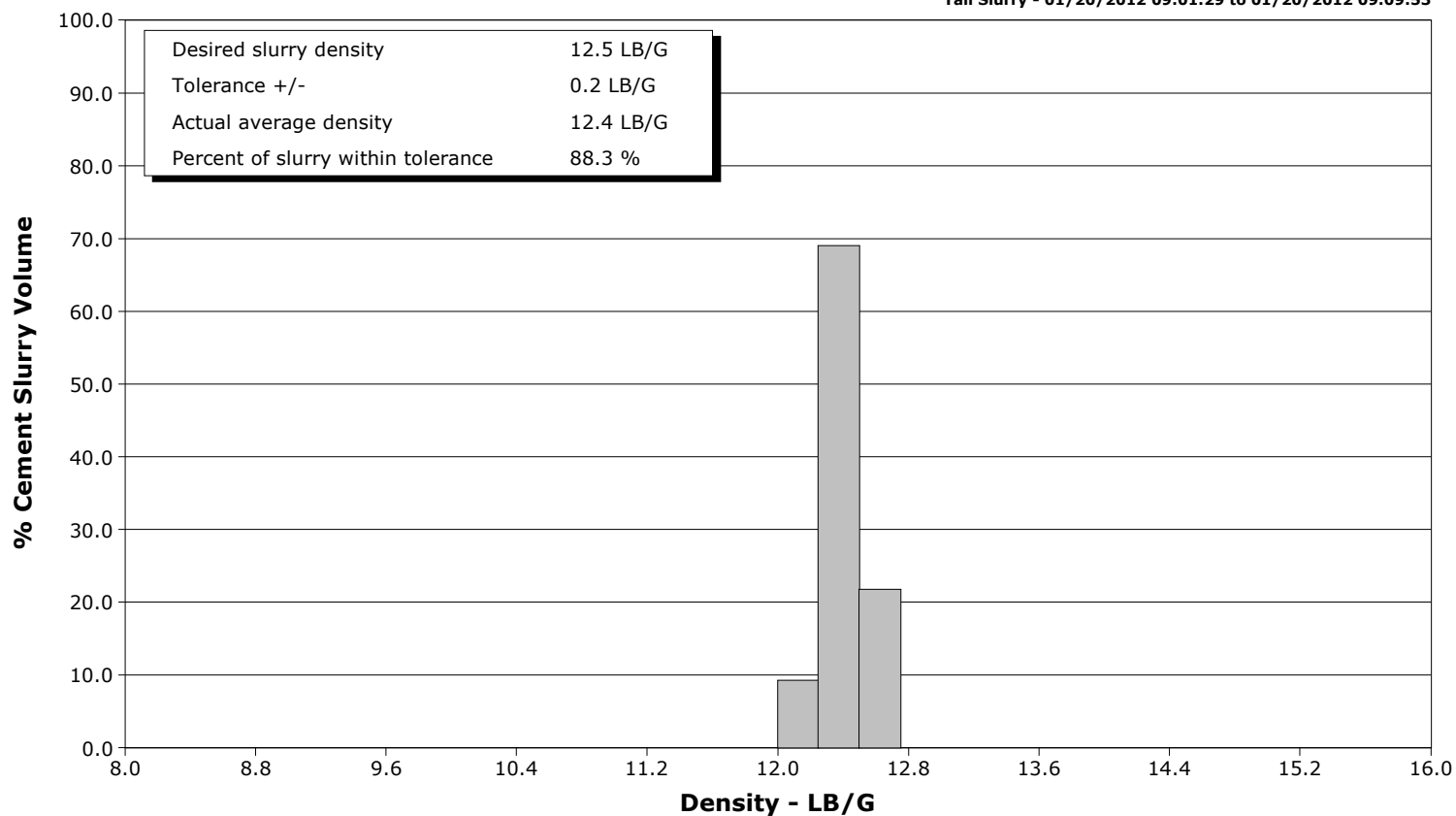
Well DW 8609C-28
Field Double Willow
Engineer Ryan Bowditch
Country United States

Client EnCana
SIR No. BQMF-00617
Job Type 9 5/8" Surface
Job Date 01-20-2012

Lead Slurry - 01/20/2012 08:26:00 to 01/20/2012 08:58:47



Tail Slurry - 01/20/2012 09:01:29 to 01/20/2012 09:09:53



Cementing Service Report

					Customer EnCana			Job Number BQMF-00617			
Well DW 8609C-28			Location (legal)			Schlumberger Location Grand Junction, CO			Job Start Jan/20/2012		
Field Double Willow		Formation Name/Type Shale		Deviation 14 deg		Bit Size 14.8 in		Well MD 2137.0 ft		Well TVD ft	
County Garfield		State/Province Colorado		BHP psi		BHST 110 degF		BHCT 91 degF		Pore Press. Gradient lb/gal	
Well Master		API/UWI									
Rig Name Patterson 308		Drilled For Gas		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		120.0		16.0		65.0	
						2137.0		9.6		36.0	
										K55	
										8RD	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
Service Line Cementing		Job Type 9 5/8" Surface									
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press 1000 psi		WH Connection Single Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
						ft		ft			
						ft		ft			
						ft		ft			
						Treat Down Casing		Displacement 161.6 bbl		Packer Type	
										ft	
						Tubing Vol. bbl		Casing Vol. 165.2 bbl		Annular Vol. 261.0 bbl	
										Openhole Vol. 428.0 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 425 psi						Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 2137.0 ft			Tool Type		
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type			Tool Depth ft		
Cement Head Type Single						Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Jan/20/2012		Arrived on Location Jan/20/2012		Leave Location Jan/20/2012		Collar Type Float			Tail Pipe Depth ft		
						Collar Depth 2090.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message				
01/20/2012	07:58:48	-3	0.1	8.42	25.6	0	Started Acquisition				
01/20/2012	08:00:28	-7	0.1	8.41	25.8	0					
01/20/2012	08:02:08	-7	0.0	8.42	25.8	0					
01/20/2012	08:03:48	-8	0.0	8.42	25.8	0					
01/20/2012	08:05:28	5	1.2	8.42	0.1	0					
01/20/2012	08:07:08	1162	0.3	8.41	2.4	0					
01/20/2012	08:08:00	1382	0.0	8.41	2.4	0	Pressure Test Lines				
01/20/2012	08:08:48	1372	0.0	8.41	2.4	0					
01/20/2012	08:10:28	4416	0.0	8.41	2.4	0					
01/20/2012	08:12:08	1	0.0	8.41	2.5	0					
01/20/2012	08:13:01	2	0.0	8.41	2.5	0	Pressure Test Lines				
01/20/2012	08:13:02	2	0.0	8.41	2.5	0	3000 psi Pressure Test				
01/20/2012	08:13:03	2	0.0	8.41	2.5	0	Reset Total, Vol = 2.93 bbl				
01/20/2012	08:13:48	3	0.0	8.41	0.0	0					
01/20/2012	08:14:07	7	0.0	8.41	0.0	0	Start Pumping Spacer				
01/20/2012	08:14:15	7	0.0	8.42	0.0	0	50 bbls MudPush II				
01/20/2012	08:14:16	7	0.0	8.42	0.0	0	MudPush II @ 10.0 ppg				
01/20/2012	08:15:28	100	1.3	9.51	0.7	35					
01/20/2012	08:15:45	91	2.7	9.93	1.3	36	Took Water Samples (008032, 007835)				
01/20/2012	08:17:08	116	3.6	9.99	4.7	34					
01/20/2012	08:18:48	432	7.8	10.00	13.9	32					

Well			Field		Job Start	Customer		Job Number
DW 8609C-28			Double Willow		Jan/20/2012	EnCana		BQMF-00617
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
01/20/2012	08:20:28	399	8.4	10.16	22.0	23		
01/20/2012	08:22:08	206	4.7	10.10	32.0	23		
01/20/2012	08:23:48	127	5.2	10.06	40.7	21		
01/20/2012	08:24:35	203	5.3	10.32	44.8	23	End Spacer	
01/20/2012	08:25:28	248	5.4	10.76	49.6	31		
01/20/2012	08:25:33	221	5.4	10.78	50.0	31	Reset Total, Vol = 50.11 bbl	
01/20/2012	08:26:00	273	5.5	10.82	52.5	31	Start Mixing Lead Slurry	
01/20/2012	08:26:01	273	5.5	10.83	52.6	31	241 bbls Lead Slurry	
01/20/2012	08:26:27	263	5.6	10.87	55.0	31	Took Dry Sample (007843)	
01/20/2012	08:27:08	269	5.7	10.97	58.9	32		
01/20/2012	08:28:48	279	6.1	11.08	68.7	32		
01/20/2012	08:30:28	270	6.3	11.06	79.0	33		
01/20/2012	08:32:08	299	6.4	11.04	89.5	32		
01/20/2012	08:33:48	266	6.4	11.03	100.1	22		
01/20/2012	08:35:06	453	8.0	11.09	109.2	24	Took Dry Sample (007739)	
01/20/2012	08:35:28	455	8.0	11.09	112.2	25		
01/20/2012	08:36:29	444	8.0	11.07	120.2	28	Took Wet Sample	
01/20/2012	08:37:08	448	8.0	11.07	125.4	29		
01/20/2012	08:38:48	463	8.0	11.05	138.7	30		
01/20/2012	08:40:28	472	7.9	11.06	152.0	31		
01/20/2012	08:41:39	447	8.0	11.06	161.4	32	Good Returns	
01/20/2012	08:42:08	426	8.0	11.04	165.2	32		
01/20/2012	08:43:48	419	8.0	11.02	178.5	32		
01/20/2012	08:45:28	443	8.0	11.02	191.8	32		
01/20/2012	08:47:08	442	8.0	11.04	205.0	32		
01/20/2012	08:48:48	460	7.9	11.04	218.3	32		
01/20/2012	08:50:28	456	8.0	10.94	231.6	31		
01/20/2012	08:52:08	449	8.0	10.99	244.9	31		
01/20/2012	08:53:48	459	8.0	10.98	258.1	31		
01/20/2012	08:55:28	459	8.0	11.00	271.4	31		
01/20/2012	08:57:08	442	8.0	10.97	284.7	31		
01/20/2012	08:58:47	450	8.0	11.23	297.8	22	End Lead Slurry	
01/20/2012	08:58:48	437	8.0	11.25	298.0	21		
01/20/2012	08:58:53	451	8.0	11.26	298.6	21	Reset Total, Vol = 248.64 bbl	
01/20/2012	09:00:28	528	7.9	11.93	311.2	33		
01/20/2012	09:01:29	564	7.9	12.12	319.3	40	Start Mixing Tail Slurry	
01/20/2012	09:01:30	563	7.9	12.14	319.4	40	79 bbls Tail Slurry	
01/20/2012	09:02:08	595	8.0	12.23	324.4	43		
01/20/2012	09:03:48	635	7.9	12.47	337.7	47		
01/20/2012	09:05:28	644	7.9	12.49	350.9	47		
01/20/2012	09:07:08	651	7.9	12.47	364.1	48		
01/20/2012	09:07:14	660	7.9	12.47	364.9	48	Took Wet Sample	
01/20/2012	09:07:15	660	7.9	12.47	365.0	48	Collected Dry Sample (007810)	
01/20/2012	09:08:48	404	7.4	12.50	376.9	0		
01/20/2012	09:09:53	660	7.9	12.54	385.4	0	End Tail Slurry	
01/20/2012	09:09:55	357	7.6	12.54	385.7	0	Reset Total, Vol = 87.08 bbl	
01/20/2012	09:09:56	106	6.0	12.55	385.8	0	Drop Top Plug	
01/20/2012	09:09:57	74	6.0	12.55	385.9	0	162 bbl Water Displacement	
01/20/2012	09:09:58	74	4.2	12.59	386.0	0	Tattle Tail Disappeared	
01/20/2012	09:10:28	13	0.0	12.59	386.3	0		
01/20/2012	09:12:08	9	0.0	12.68	386.3	0		
01/20/2012	09:13:48	74	3.6	8.88	388.4	0		
01/20/2012	09:15:28	127	5.0	8.68	394.6	2		
01/20/2012	09:17:08	227	6.4	8.60	404.2	5		

Well			Field		Job Start	Customer	Job Number
DW 8609C-28			Double Willow		Jan/20/2012	EnCana	BQMF-00617
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message
01/20/2012	09:20:28	237	6.4	8.18	425.6	7	
01/20/2012	09:22:08	275	6.4	8.42	436.3	5	
01/20/2012	09:23:48	357	6.4	8.34	446.9	6	
01/20/2012	09:25:28	420	7.9	8.24	459.7	3	
01/20/2012	09:27:08	437	7.8	8.41	472.8	0	
01/20/2012	09:28:48	482	7.8	8.41	485.8	0	
01/20/2012	09:30:28	516	7.8	8.41	498.8	0	
01/20/2012	09:32:08	558	7.8	8.41	511.7	0	
01/20/2012	09:33:48	616	7.8	8.41	524.6	0	
01/20/2012	09:33:49	616	7.8	8.41	524.8	0	Good Cement to Surface
01/20/2012	09:33:52	611	7.8	8.41	525.1	0	55 bbls Cement to Surface
01/20/2012	09:35:28	644	7.8	8.41	537.6	0	
01/20/2012	09:37:08	465	3.9	8.41	548.4	0	
01/20/2012	09:38:48	435	2.5	8.41	553.6	0	
01/20/2012	09:40:28	447	2.5	8.41	557.7	0	
01/20/2012	09:41:22	1301	0.0	8.41	558.7	0	Bump Top Plug
01/20/2012	09:41:23	1301	0.0	8.41	558.7	0	End Displacement
01/20/2012	09:41:25	1300	0.0	8.41	558.7	0	Final Circulating Pressure = 425 psi
01/20/2012	09:42:08	1296	0.0	8.41	558.7	0	
01/20/2012	09:43:48	1170	0.0	8.41	558.7	0	
01/20/2012	09:44:16	-8	0.0	8.41	558.7	0	Floats Held
01/20/2012	09:45:28	-5	0.0	8.42	558.7	0	
01/20/2012	09:47:08	-5	0.0	8.42	558.7	0	
01/20/2012	09:48:48	-5	0.0	8.42	558.7	0	
01/20/2012	09:50:28	8	0.0	8.42	558.7	0	
01/20/2012	10:53:48	-6	0.0	8.43	558.7	0	
01/20/2012	10:55:28	-6	0.0	8.42	558.7	0	
01/20/2012	10:57:08	-8	0.0	8.43	558.7	0	
01/20/2012	10:58:48	-10	0.0	8.43	558.8	0	
01/20/2012	11:00:28	49	3.1	8.43	563.6	0	
01/20/2012	11:02:08	252	1.9	8.42	565.8	0	
01/20/2012	11:03:48	259	1.9	8.42	568.9	0	
01/20/2012	11:05:28	246	1.9	8.42	572.0	0	
01/20/2012	11:07:08	-9	0.0	8.42	573.3	0	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 6.0	N2	Mud	Maximum Rate 8.4	Total Slurry 320.0	Mud 0.0	Spacer 50.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 4575	Final -9	Average 470	Bump Plug to 1300	Breakdown	Type	Volume bbl	Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 320.0 bbl	Displacement 162.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 55.0 bbl					
				Washed Thru Perfs <input type="checkbox"/>		To ft					
Customer or Authorized Representative Randy Burke			Schlumberger Supervisor Ryan Bowditch			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>				
						-	-				