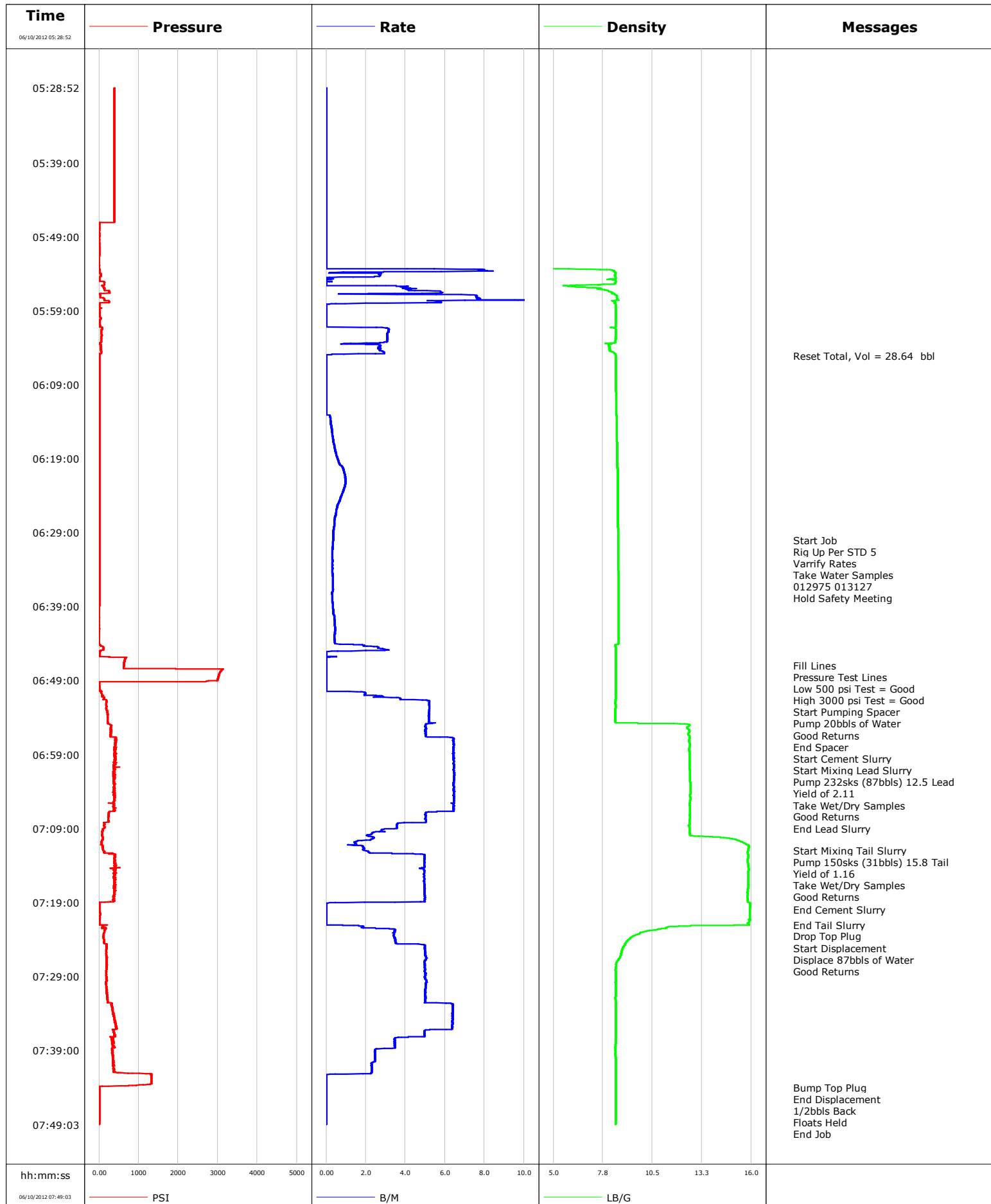
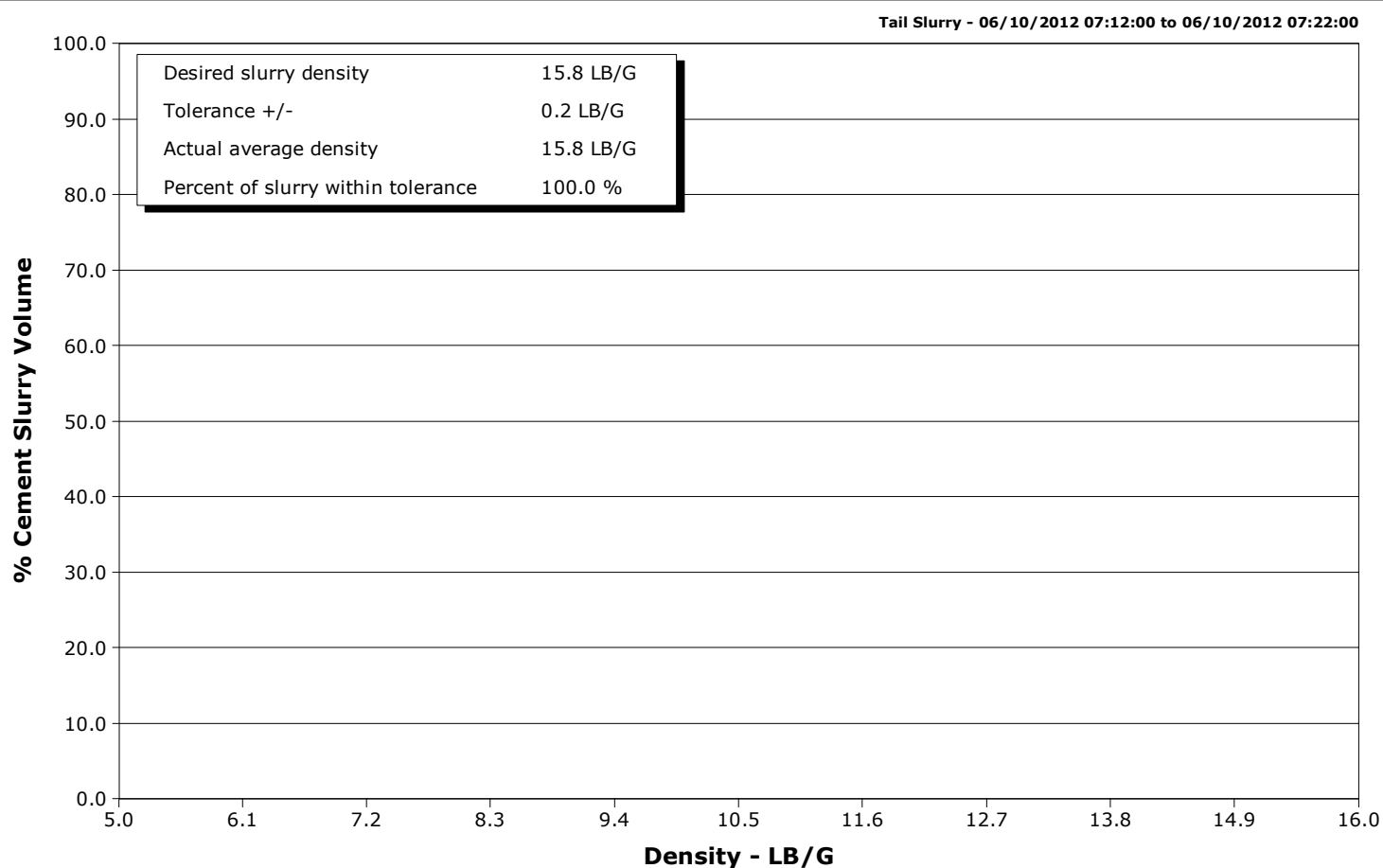
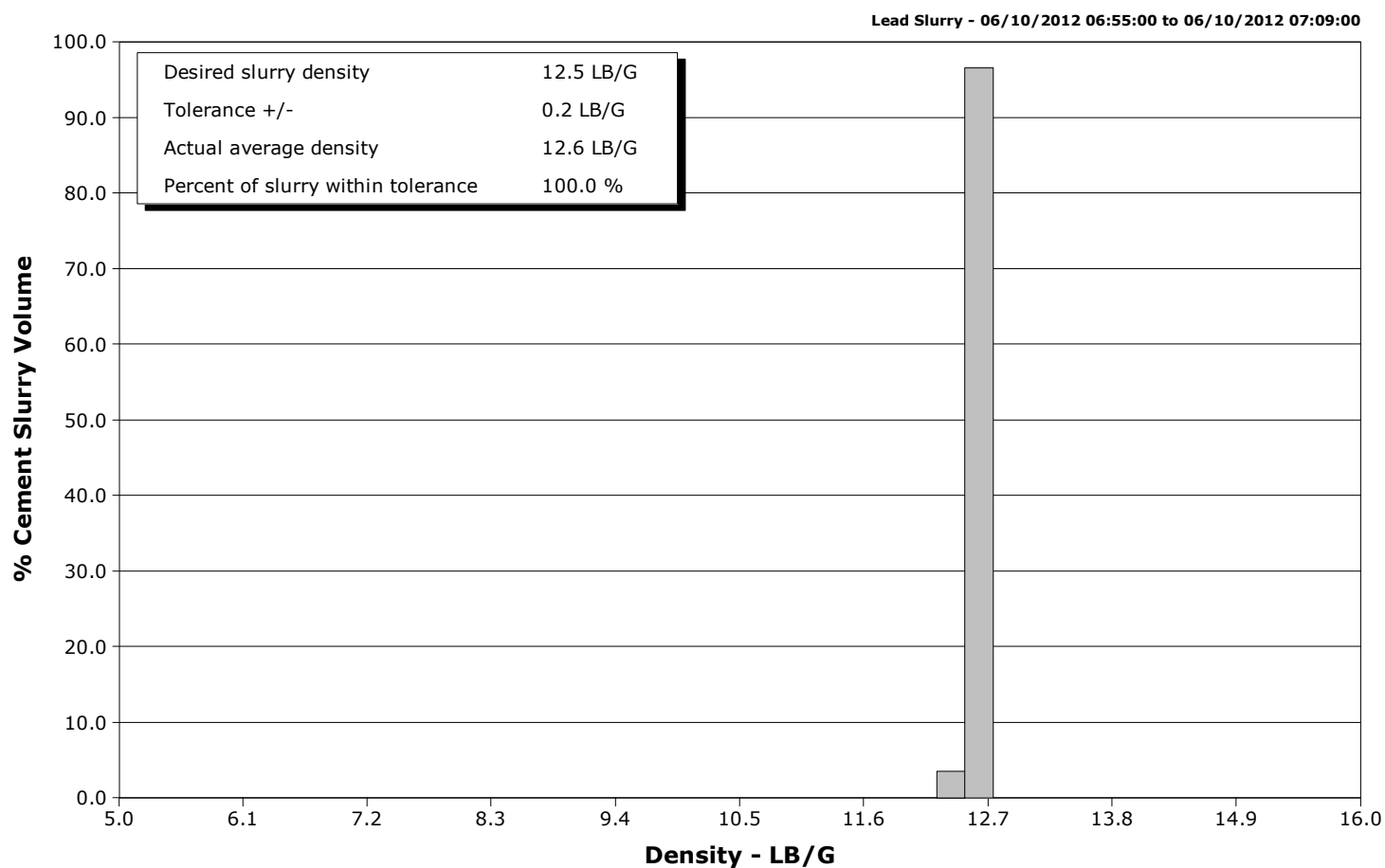


Well	GARDNER 28-3B	Client	ENCANA
Field	MAMM CREEK	SIR No.	772111
Engineer	Dant Ryan	Job Type	9 5/8 SURFACE
Country	United States	Job Date	06-10-2012



Well GARDNER 28-3B
Field MAMM CREEK
Engineer Dant Ryan
Country United States

Client ENCANA
SIR No. 772111
Job Type 9 5/8 SURFACE
Job Date 06-10-2012



				Customer ENCANA			Job Number 772111			
Well GARDNER 28-3B 28-3B			Location (legal) PC28		Schlumberger Location Grand Junction			Job Start Jun/10/2012		
Field MAMM CREEK		Formation Name/Type		Deviation deg	Bit Size 12.3 in		Well MD 1164.0 ft		Well TVD 1164.0 ft	
County GARFIELD		State/Province COLORADO		BHP psi	BHST 95 degF	BHCT 81 degF	Pore Press. Gradient lb/gal			
Well Master 0631338164		API/UWI								
Rig Name NABORS M-13	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		60.0	16.0	65.0	N/A	N/A	
					1164.0	9.6	36.0	J55	8RD	
Drilling Fluid Type Bentonite		Max. Density lb/gal	Plastic Viscosity cP		Tubing/Drill Pipe					
					T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line Cementing	Job Type 9 5/8 SURFACE					0.0	0.0			
						0.0	0.0			
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole					
					Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft	
Service Instructions Cement 9 5/8 Surface Casing Pump 20bbbs of Water Spacer Pump 232sks (87bbbs) 12.5 Lead Yield of 2.11 Pump 150sks (31bbbs) 15.8 Tail Yield of 1.16 Displace 87bbbs of Water				ft	ft					
				ft	ft			Diameter in		
				ft	ft					
				Treat Down Casing		Displacement 87.0 bbl		Packer Type		Packer Depth ft
				Tubing Vol. bbl		Casing Vol. 90.0 bbl		Annular Vol. 70.0 bbl		Openhole Vol. 165.0 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 576 psi				Shoe Type Float			Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1164.0 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 Jun/10/2012 05:00		Arrived on Location Jun/10/2012 05:00		Leave Location Jun/10/2012 09:00		Collar Type Float			Tail Pipe Depth ft	
						Collar Depth 1119.0 ft			Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
06/10/2012	05:28:52	392	0.0	0.01	0.0					
06/10/2012	05:30:32	392	0.0	0.01	0.0					
06/10/2012	05:32:12	392	0.0	0.01	0.0					
06/10/2012	05:33:52	392	0.0	0.01	0.0					
06/10/2012	05:35:32	392	0.0	0.01	0.0					
06/10/2012	05:37:12	391	0.0	0.01	0.0					
06/10/2012	05:38:52	391	0.0	0.01	0.0					
06/10/2012	05:40:32	392	0.0	0.01	0.0					
06/10/2012	05:42:12	391	0.0	0.01	0.0					
06/10/2012	05:43:52	391	0.0	0.01	0.0					
06/10/2012	05:45:32	391	0.0	0.01	0.0					
06/10/2012	05:47:12	0	0.0	0.01	0.0					
06/10/2012	05:48:52	0	0.0	0.01	0.0					
06/10/2012	05:50:32	1	0.0	0.01	0.0					
06/10/2012	05:52:12	-1	0.0	0.01	0.0					
06/10/2012	05:53:52	-1	0.3	8.45	0.0					
06/10/2012	05:55:32	133	0.0	7.12	0.0					
06/10/2012	05:57:12	30	7.6	8.52	0.0					
06/10/2012	05:58:52	3	0.0	8.46	0.0					
06/10/2012	06:00:32	24	0.0	8.46	0.0					
06/10/2012	06:03:52	48	2.7	8.06	0.0					

Well			Field		Job Start		Customer		Job Number	
GARDNER 28-3B 28-3B			MAMM CREEK		Jun/10/2012		ENCANA		772111	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
06/10/2012	06:05:32	1		0.0	8.47		0.0			
06/10/2012	06:07:12	1		0.0	8.47		0.0			
06/10/2012	06:08:52	2		0.0	8.47		0.0			
06/10/2012	06:10:32	2		0.0	8.48		0.0			
06/10/2012	06:12:12	1		0.0	8.50		0.0			
06/10/2012	06:13:52	2		0.2	8.51		0.0			
06/10/2012	06:15:32	2		0.3	8.52		0.0			
06/10/2012	06:17:12	2		0.4	8.54		0.0			
06/10/2012	06:18:52	3		0.5	8.55		0.0			
06/10/2012	06:20:32	3		0.9	8.56		0.0			
06/10/2012	06:22:12	3		1.0	8.56		0.0			
06/10/2012	06:23:52	4		0.8	8.56		0.0			
06/10/2012	06:25:32	3		0.5	8.57		0.0			
06/10/2012	06:27:12	3		0.4	8.58		0.0			
06/10/2012	06:28:52	3		0.4	8.59		0.0			
06/10/2012	06:30:00	3		0.4	8.59		0.0		Start Job	
06/10/2012	06:30:32	3		0.3	8.60		0.0			
06/10/2012	06:32:12	3		0.3	8.60		0.0			
06/10/2012	06:33:52	3		0.3	8.61		0.0			
06/10/2012	06:35:32	3		0.3	8.62		0.0			
06/10/2012	06:37:12	3		0.3	8.62		0.0			
06/10/2012	06:38:52	3		0.3	8.62		0.0			
06/10/2012	06:40:32	-0		0.4	8.62		0.0			
06/10/2012	06:42:12	-3		0.5	8.62		0.0			
06/10/2012	06:43:52	-3		0.4	8.62		0.0			
06/10/2012	06:45:32	12		0.0	8.45		0.0			
06/10/2012	06:46:55	628		0.0	8.45		0.0		Fill Lines	
06/10/2012	06:47:00	627		0.0	8.45		0.0		Pressure Test Lines	
06/10/2012	06:47:12	624		0.0	8.45		0.0			
06/10/2012	06:48:00	3043		0.0	8.45		0.0		High 3000 psi Test = Good	
06/10/2012	06:48:52	2998		0.0	8.45		0.0			
06/10/2012	06:50:00	7		0.0	8.45		0.0		Start Pumping Spacer	
06/10/2012	06:50:32	39		1.6	8.45		0.0			
06/10/2012	06:52:12	173		5.2	8.45		0.0			
06/10/2012	06:53:00	194		5.2	8.45		0.0		Good Returns	
06/10/2012	06:53:52	213		5.2	8.45		0.0			
06/10/2012	06:54:00	222		5.2	8.45		0.0		End Spacer	
06/10/2012	06:54:10	210		5.2	8.45		0.0		Start Cement Slurry	
06/10/2012	06:55:00	291		5.0	12.56		0.0		Start Mixing Lead Slurry	
06/10/2012	06:55:32	297		5.1	12.47		0.0			
06/10/2012	06:57:12	412		6.4	12.54		0.0			
06/10/2012	06:58:52	399		6.4	12.55		0.0			
06/10/2012	07:00:32	380		6.5	12.57		0.0			
06/10/2012	07:02:12	376		6.5	12.59		0.0			
06/10/2012	07:03:52	387		6.4	12.62		0.0			
06/10/2012	07:05:32	349		6.4	12.59		0.0			
06/10/2012	07:07:12	229		5.0	12.58		0.0			
06/10/2012	07:08:52	134		3.6	12.55		0.0			
06/10/2012	07:09:00	120		3.6	12.55		0.0		End Lead Slurry	
06/10/2012	07:10:32	92		2.2	15.16		0.0			
06/10/2012	07:12:00	104		1.9	15.82		0.0		Start Mixing Tail Slurry	
06/10/2012	07:12:12	118		2.1	15.80		0.0			
06/10/2012	07:13:52	397		5.0	15.82		0.0			
06/10/2012	07:15:32	362		4.9	15.82		0.0			

Well			Field		Job Start	Customer		Job Number
GARDNER 28-3B 28-3B			MAMM CREEK		Jun/10/2012	ENCANA		772111
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
06/10/2012	07:18:52	379	5.0	15.80	0.0			
06/10/2012	07:20:00	7	0.0	15.91	0.0	End Cement Slurry		
06/10/2012	07:20:32	25	0.0	15.90	0.0			
06/10/2012	07:22:00	9	0.0	15.85	0.0	End Tail Slurry		
06/10/2012	07:22:12	102	1.8	12.30	0.0			
06/10/2012	07:23:52	110	3.5	9.26	0.0			
06/10/2012	07:25:32	185	5.0	8.80	0.0			
06/10/2012	07:27:12	184	5.0	8.49	0.0			
06/10/2012	07:28:52	179	5.0	8.46	0.0			
06/10/2012	07:30:32	186	5.0	8.47	0.0			
06/10/2012	07:32:12	202	5.0	8.45	0.0			
06/10/2012	07:33:52	350	6.4	8.45	0.0			
06/10/2012	07:35:32	423	6.4	8.45	0.0			
06/10/2012	07:37:12	404	4.9	8.45	0.0			
06/10/2012	07:38:52	324	2.5	8.45	0.0			
06/10/2012	07:40:32	358	2.5	8.45	0.0			
06/10/2012	07:42:12	1319	1.9	8.45	0.0			
06/10/2012	07:43:52	233	0.0	8.45	0.0			
06/10/2012	07:44:00	7	0.0	8.45	0.0	Bump Top Plug		
06/10/2012	07:45:00	8	0.0	8.45	0.0	1/2bbls Back		
06/10/2012	07:45:32	8	0.0	8.45	0.0			
06/10/2012	07:47:00	8	0.0	8.45	0.0	End Job		
06/10/2012	07:47:12	8	0.0	8.45	0.0			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.5	N2	Mud	Maximum Rate 6.5		Total Slurry 120.0	Mud	Spacer 20.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3100	Final 10	Average 400	Bump Plug to 800	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 118.0 bbl		Displacement 90.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 45.0 bbl
						Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative CHARLIE BROWN				Schlumberger Supervisor Dant Ryan			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
							-	-