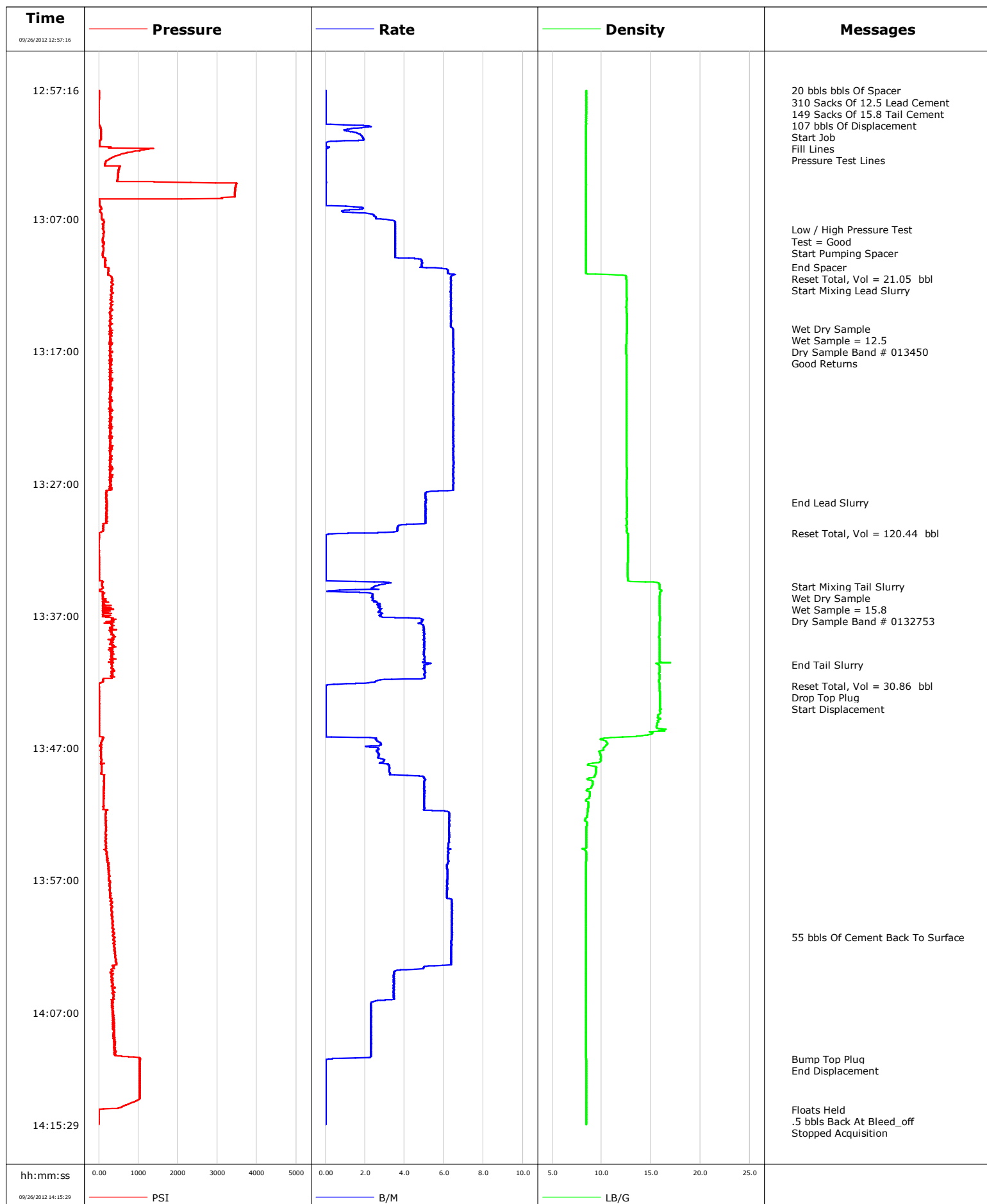


Well	MCU 26-12D	Client	Encana
Field	Mamm Creek	SIR No.	C610-00690
Engineer	ROGERS / HANSEN	Job Type	9 5/8 Surface
Country	United States	Job Date	09-26-2012

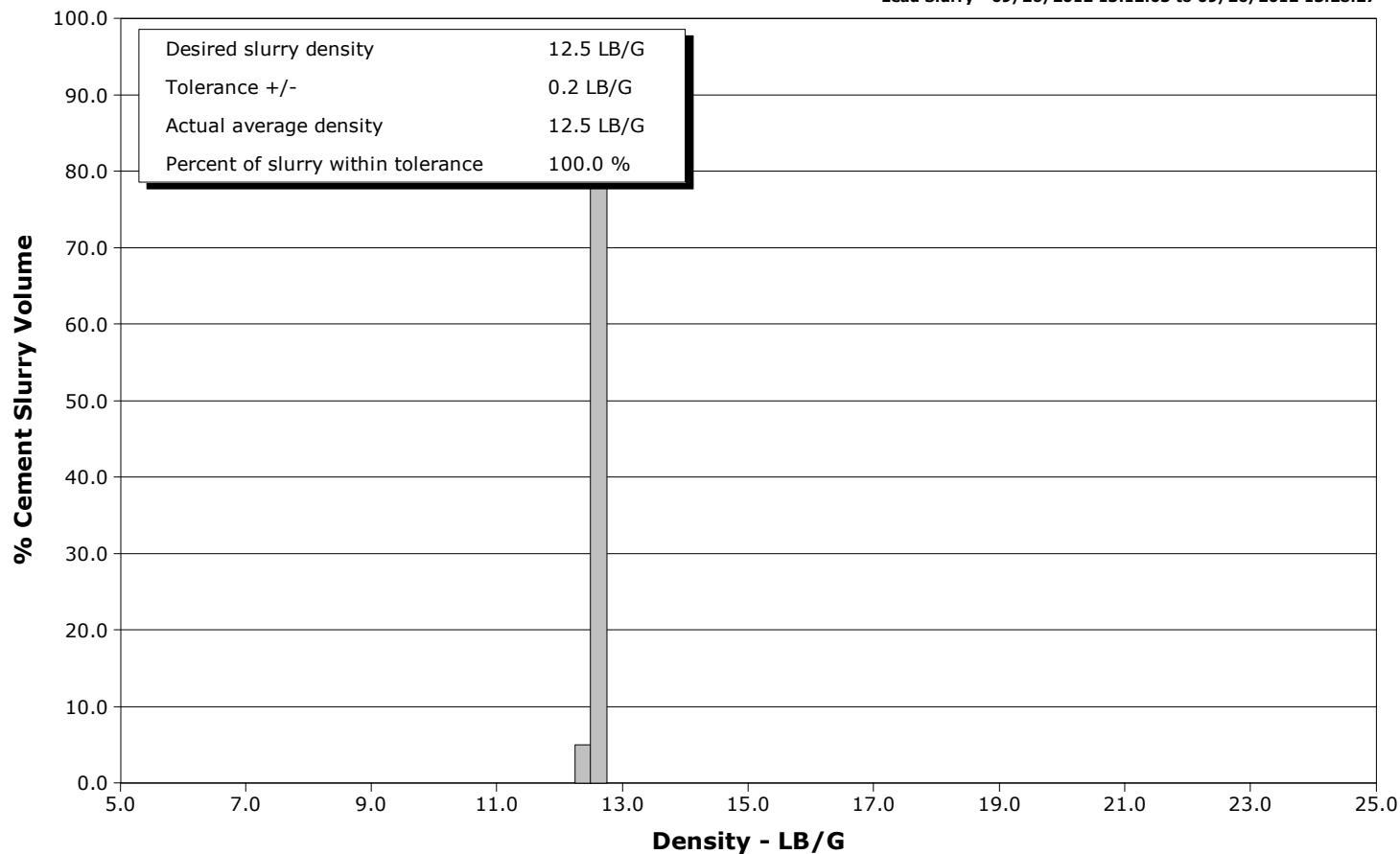


Schlumberger Cementing Qa/Qc Density Report

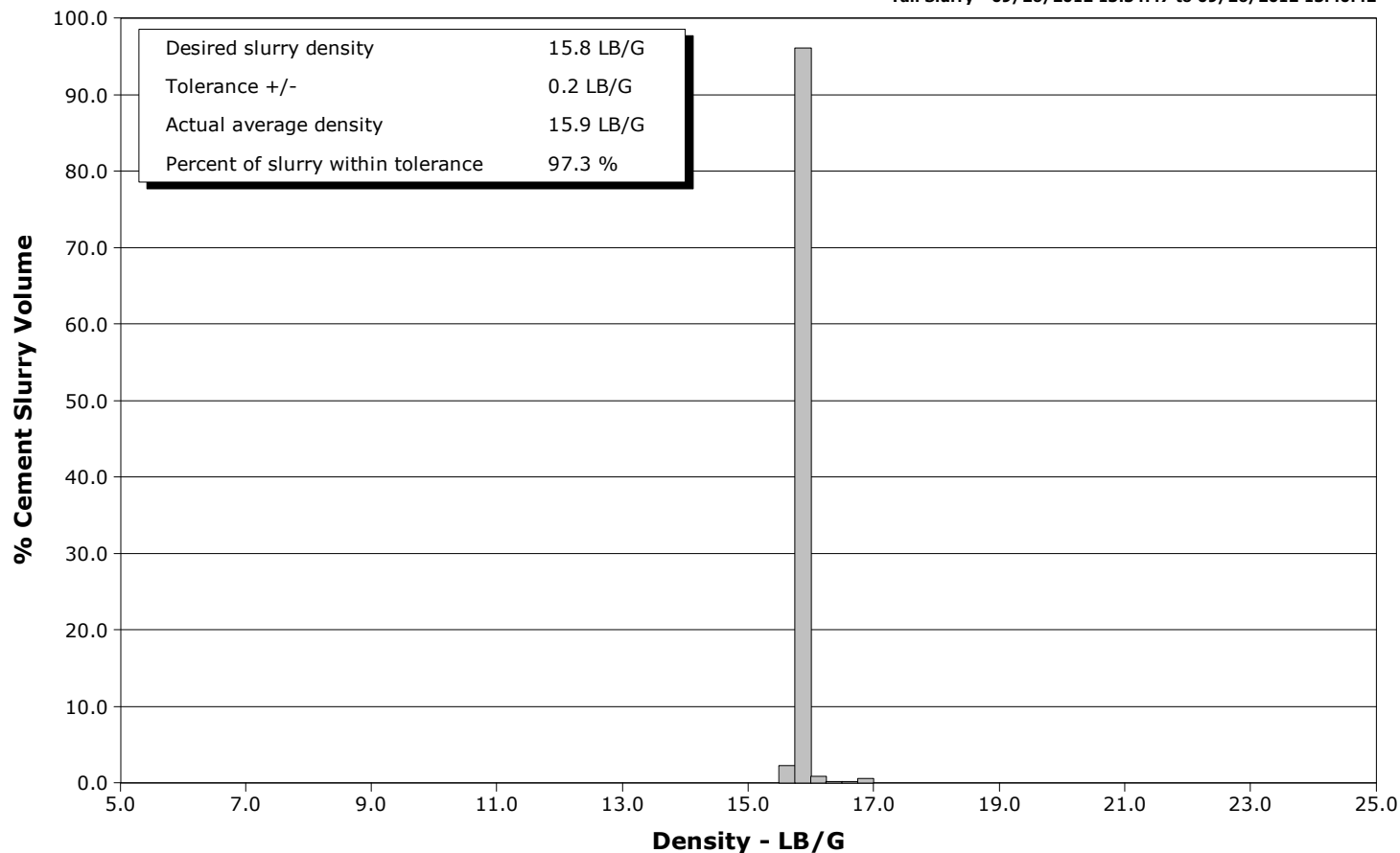
Well MCU 26-12D
Field Mamm Creek
Engineer ROGERS / HANSEN
Country United States

Client Encana
SIR No. C610-00690
Job Type 9 5/8 Surface
Job Date 09-26-2012

Lead Slurry - 09/26/2012 13:12:03 to 09/26/2012 13:28:27



Tail Slurry - 09/26/2012 13:34:47 to 09/26/2012 13:40:42





Cementing Service Report

				Customer Encana		Job Number C610-00690		
Well MCU 26-12D			Location (legal) 127W		Schlumberger Location		Job Start Sep/26/2012	
Field Mamm Creek		Formation Name/Type Dirty-Sandstone		Deviation	Bit Size	Well MD	Well TVD	
County Garfield		State/Province Colorado		BHP	BHST	BHCT	Pore Press. Gradient	
Well Master		API/UWI						
Rig Name	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	1432.0	9.630	36.0	J-55	8RD	
			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 Single Cement head	Perforations/Open Hole					
			Top,	Bottom,		No. of Shots	Total Interval	
Service Instructions							Diameter	
			Treat Down		Displacement		Packer Type	Packer Depth
			Tubing Vol.		Casing Vol.		Annular Vol.	Openhole Vol.
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure			Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1432.0 ft		Tool Type		
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth		
Cement Head Type Single			Stage Tool Depth			Tail Pipe Size		
Job Scheduled For Sep/26/2012		Arrived on Location Sep/26/2012	Leave Location Sep/26/2012	Collar Type Float		Tail Pipe Depth		
			Collar Depth			Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/26/2012	12:57:16	1	0.0	8.43	0.0			
09/26/2012	12:57:18					20 bbls bbls Of Spacer		
09/26/2012	12:57:18					310 Sacks Of 12.5 Lead Cement		
09/26/2012	12:57:18	1	0.0	8.43	0.0			
09/26/2012	12:57:19					149 Sacks Of 15.8 Tail Cement		
09/26/2012	12:57:19					107 bbls Of Displacement		
09/26/2012	12:57:19	1	0.0	8.43	0.0			
09/26/2012	12:57:29					Start Job		
09/26/2012	12:57:29	0	0.0	8.43	0.0			
09/26/2012	12:57:30					Fill Lines		
09/26/2012	12:57:30	1	0.0	8.43	0.0			
09/26/2012	12:57:32					Pressure Test Lines		
09/26/2012	12:57:32	1	0.0	8.43	0.0			
09/26/2012	13:02:16	415	0.0	8.43	2.1			
09/26/2012	13:07:16	125	3.5	8.43	4.8			
09/26/2012	13:07:48					Low / High Pressure Test		
09/26/2012	13:07:48					Test = Good		
09/26/2012	13:07:48	108	3.5	8.43	6.7			
09/26/2012	13:07:51					Start Pumping Spacer		
09/26/2012	13:07:51	111	3.5	8.43	6.9			
09/26/2012	13:10:37					End Spacer		

Well			Field		Job Start		Customer		Job Number	
MCU 26-12D			Mamm Creek		Sep/26/2012		Encana		C610-00690	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/26/2012	13:11:13					Reset Total, Vol = 21.05 bbl				
09/26/2012	13:11:13	232	6.5	10.81	21.0					
09/26/2012	13:12:03					Start Mixing Lead Slurry				
09/26/2012	13:12:03	320	6.4	12.54	26.3					
09/26/2012	13:12:16	322	6.4	12.53	27.7					
09/26/2012	13:15:17					Wet Dry Sample				
09/26/2012	13:15:17					Wet Sample = 12.5				
09/26/2012	13:15:17	294	6.4	12.56	46.9					
09/26/2012	13:15:18					Dry Sample Band # 013450				
09/26/2012	13:15:18	290	6.4	12.56	47.0					
09/26/2012	13:15:19					Good Returns				
09/26/2012	13:15:19	286	6.4	12.56	47.1					
09/26/2012	13:17:16	281	6.5	12.50	59.7					
09/26/2012	13:22:16	310	6.5	12.52	92.0					
09/26/2012	13:27:16	305	6.5	12.52	124.4					
09/26/2012	13:28:27					End Lead Slurry				
09/26/2012	13:28:27	201	5.1	12.55	130.8					
09/26/2012	13:30:46					Reset Total, Vol = 120.44 bbl				
09/26/2012	13:30:46	-13	1.2	12.70	141.5					
09/26/2012	13:32:16	-0	0.0	12.68	141.5					
09/26/2012	13:34:47					Start Mixing Tail Slurry				
09/26/2012	13:34:47					Wet Dry Sample				
09/26/2012	13:34:47					Wet Sample = 15.8				
09/26/2012	13:34:47					Dry Sample Band # 0132753				
09/26/2012	13:34:47	83	2.5	15.84	142.6					
09/26/2012	13:37:16	327	4.9	15.90	148.9					
09/26/2012	13:40:42					End Tail Slurry				
09/26/2012	13:40:42	325	5.1	15.78	166.0					
09/26/2012	13:42:16	-7	0.0	15.85	172.3					
09/26/2012	13:42:18					Reset Total, Vol = 30.86 bbl				
09/26/2012	13:42:18	-6	0.0	15.85	172.3					
09/26/2012	13:42:23					Drop Top Plug				
09/26/2012	13:42:23	1	0.0	15.84	172.3					
09/26/2012	13:42:24					Start Displacement				
09/26/2012	13:42:24	2	0.0	15.84	172.3					
09/26/2012	13:47:16	52	2.6	9.72	175.1					
09/26/2012	13:52:16	175	6.3	8.50	197.1					
09/26/2012	13:57:16	262	6.2	8.43	228.2					
09/26/2012	14:01:19					55 bbls Of Cement Back To Surface				
09/26/2012	14:01:19	393	6.4	8.43	253.8					
09/26/2012	14:02:16	390	6.4	8.43	259.8					
09/26/2012	14:07:16	371	2.3	8.43	279.7					
09/26/2012	14:10:30					Bump Top Plug				
09/26/2012	14:10:30	1044	0.4	8.43	287.0					
09/26/2012	14:10:32					End Displacement				
09/26/2012	14:10:32	1047	0.1	8.43	287.0					
09/26/2012	14:12:16	1036	0.0	8.43	287.0					
09/26/2012	14:14:20					Floats Held				
09/26/2012	14:14:20	-0	0.0	8.44	287.0					
09/26/2012	14:14:33					.5 bbls Back At Bleed_off				
09/26/2012	14:14:33	-3	0.0	8.43	287.0					

Well MCU 26-12D	Field Mamm Creek	Job Start Sep/26/2012	Customer Encana	Job Number C610-00690
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.8	N2	Mud 0.0	Maximum Rate 6.5	Total Slurry 287.0	Mud 0.0	Spacer 17.4	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3489	Final -2	Average 323	Bump Plug to	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume	Displacement 114.7 bbl	Mix Water Temp	Cement Circulated to Surface? <input type="checkbox"/>	Volume		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Tony Ketterling			Schlumberger Supervisor ROGERS / HANSEN			Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>	
						-	-	