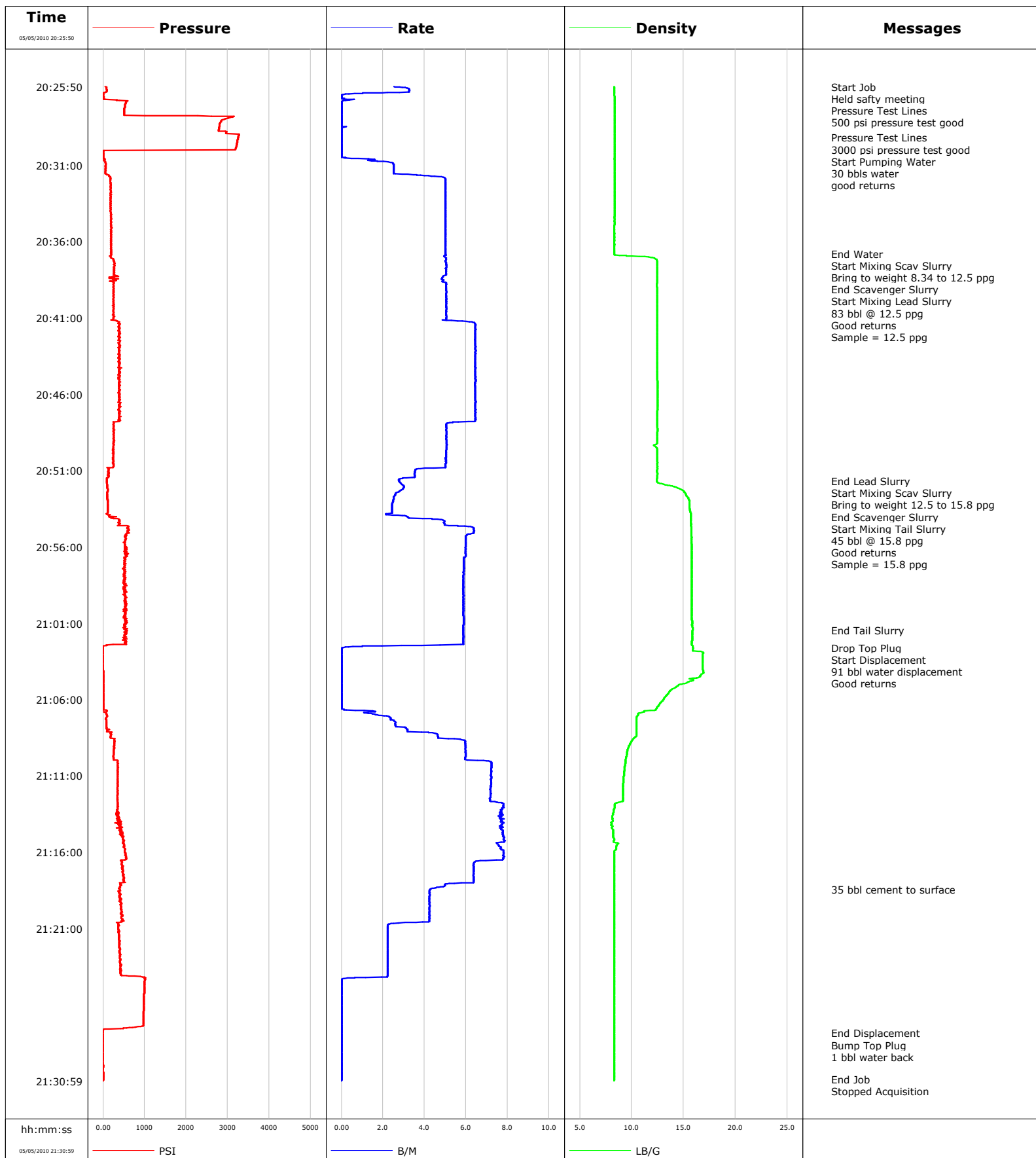


**Well** SHIDELER, 25-16A (C3)  
**Field** Mamm Creek  
**Engineer**  
**Country** United States

**Client** Encana  
**SIR No.** B2IJ-000150  
**Job Type**  
**Job Date** 05-05-2010



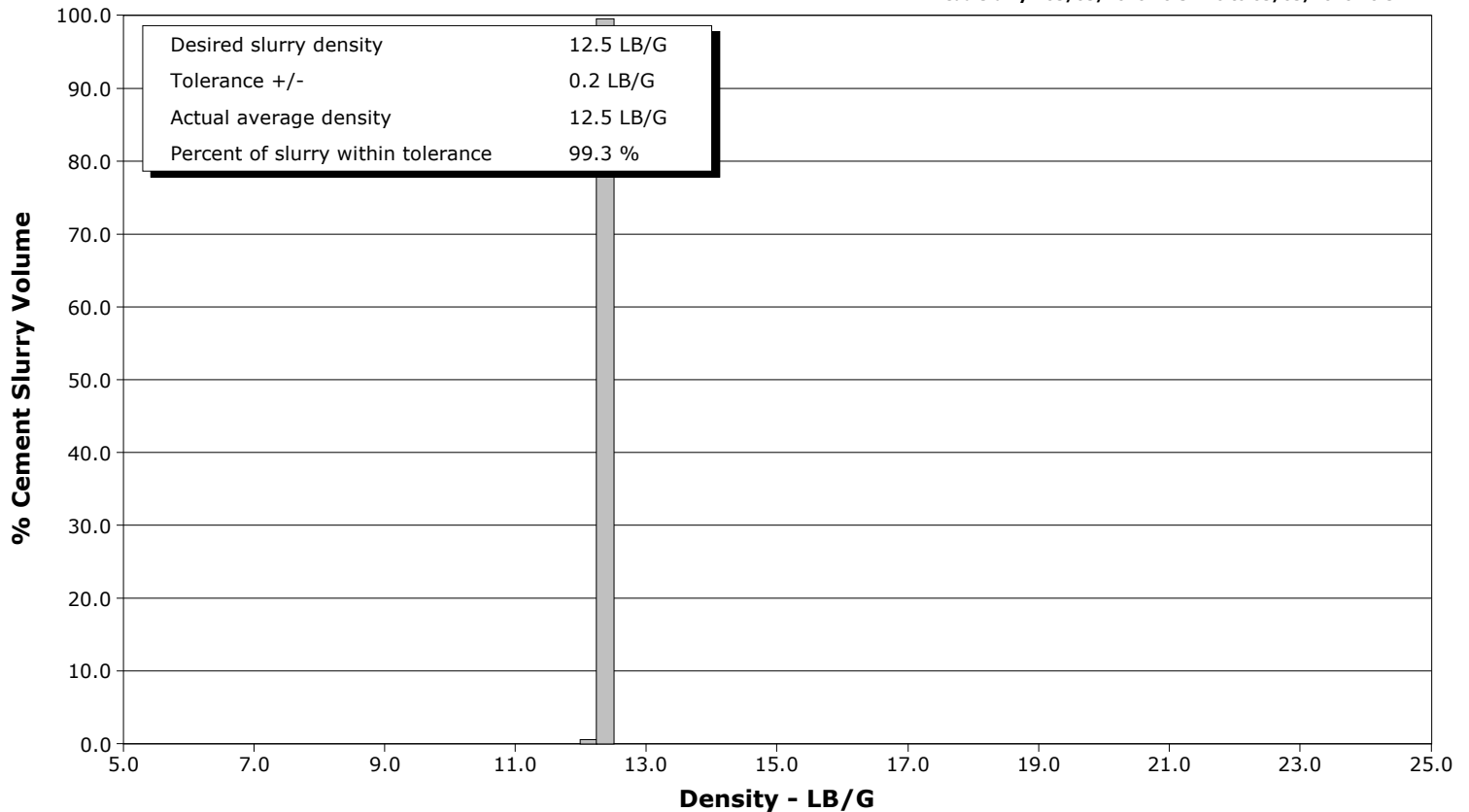
# Schlumberger

## Cementing Qa/Qc Density Report

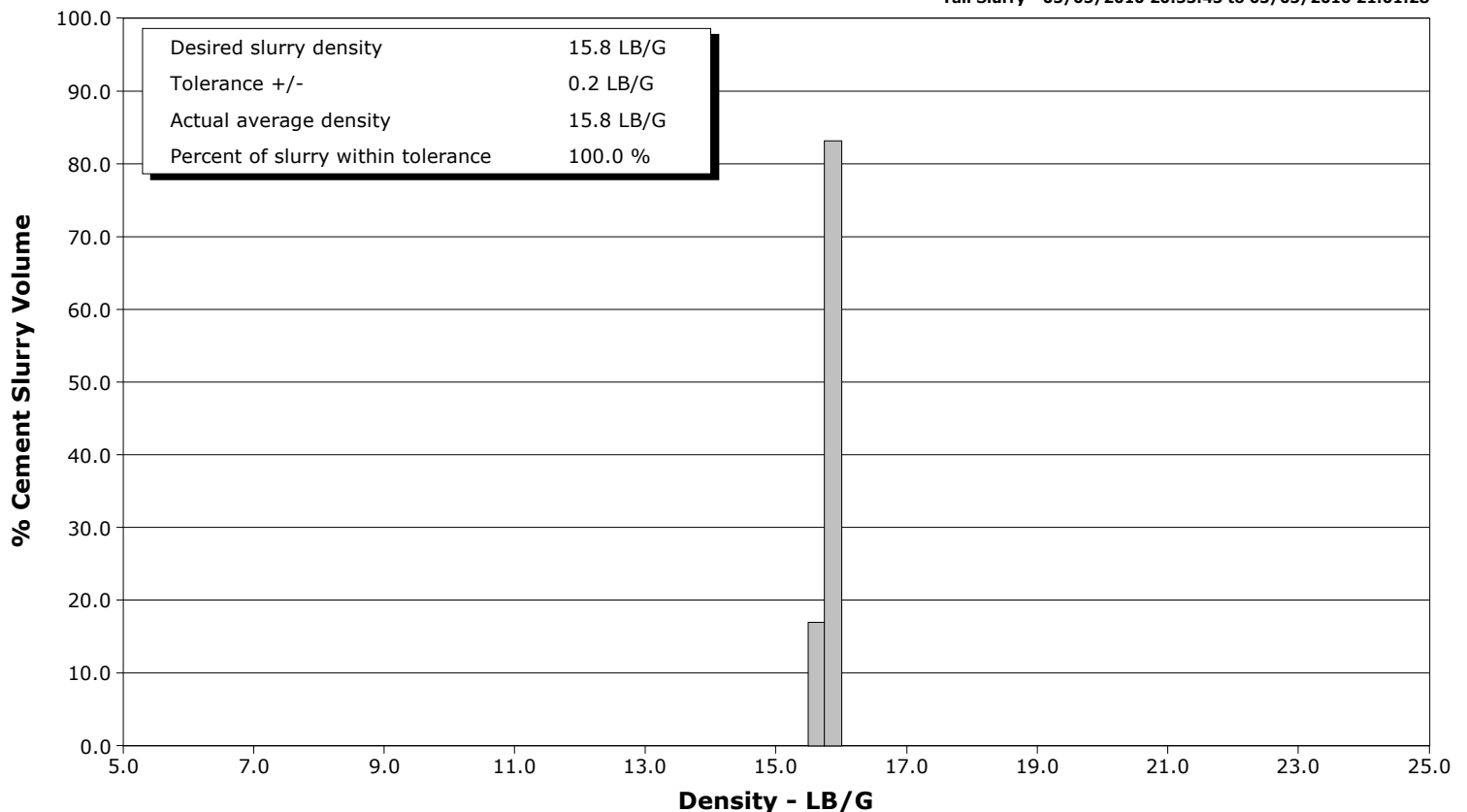
**Well** SHIDELER, 25-16A (C3)  
**Field** Mamm Creek  
**Engineer**  
**Country** United States

**Client** Encana  
**SIR No.** B2IJ-000150  
**Job Type**  
**Job Date** 05-05-2010

**Lead Slurry - 05/05/2010 20:37:16 to 05/05/2010 20:51:41**



**Tail Slurry - 05/05/2010 20:53:45 to 05/05/2010 21:01:28**





# Cementing Service Report

				Customer Encana			Job Number B2IJ-000150								
Well SHIDELER, 25-16A (C3 25-16A (C3			Location (legal) 25-16A			Schlumberger Location			Job Start May/05/2010						
Field Mamm Creek		Formation Name/Type Shale			Deviation 0 deg		Bit Size 12.3 in		Well MD 1217.0 ft		Well TVD 1217.0 ft				
County Garfield		State/Province Colorado			BHP		BHST 100 degF		BHCT 85 degF		Pore Press. Gradient				
Well Master 0631144041		API/UWI													
Rig Name Nabors M15		Drilled For Gas		Service Via Land		Casing/Liner									
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
						1217.0		9.630		36.0		J55		8RD	
						0.0		0.000		0.0					
Drilling Fluid Type Bentonite			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 4000 psi		Max. Allowed Ann. Press 1500 psi		WH Connection 9 5/8		Perforations/Open Hole									
						Top,		Bottom,				No. of Shots		Total Interval	
														Diameter	
						Treat Down Casing		Displacement 91.0 bbl		Packer Type		Packer Depth			
						Tubing Vol.		Casing Vol. 94.0 bbl		Annular Vol. 78.0 bbl		Openhole Vol. 181.0 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 602 psi						Shoe Type Float				Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1217.0 ft				Tool Type					
No. Centralizers 13		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth					
Cement Head Type Single						Stage Tool Depth				Tail Pipe Size					
Job Scheduled For May/05/2010 10:30		Arrived on Location May/05/2010 13:30		Leave Location May/05/2010 22:00		Collar Type Diff-Fill				Tail Pipe Depth					
						Collar Depth 1172.0 ft				Sqz. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL		Message					
05/05/2010	19:41:32									Started Acquisition					
05/05/2010	20:25:50									Start Job					
05/05/2010	20:25:50	57		2.5		8.33		0.0							
05/05/2010	20:25:52									Held safty meeting					
05/05/2010	20:25:52	73		2.6		8.33		0.1							
05/05/2010	20:27:03									Pressure Test Lines					
05/05/2010	20:27:03	533		0.0		8.34		1.5							
05/05/2010	20:27:05									500 psi pressure test good					
05/05/2010	20:27:05	531		0.0		8.34		1.5							
05/05/2010	20:28:12	2823		0.0		8.34		1.5							
05/05/2010	20:29:11									Pressure Test Lines					
05/05/2010	20:29:11	3251		0.0		8.34		1.5							
05/05/2010	20:29:13									3000 psi pressure test good					
05/05/2010	20:29:13	3249		0.0		8.34		1.5							
05/05/2010	20:30:24									Start Pumping Water					
05/05/2010	20:30:24	6		0.0		8.33		1.5							
05/05/2010	20:30:25									30 bbls water					
05/05/2010	20:30:25	6		0.0		8.34		1.5							
05/05/2010	20:30:26									good returns					
05/05/2010	20:30:26	7		0.0		8.34		1.5							
05/05/2010	20:31:32	59		2.5		8.34		3.7							

Well SHIDELER, 25-16A (C3 25-16A (C3			Field Mamm Creek		Job Start May/05/2010	Customer Encana	Job Number B2IJ-000150
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/05/2010	20:36:47					End Water	
05/05/2010	20:36:47	186	5.0	8.33	29.7		
05/05/2010	20:36:49					Start Mixing Scav Slurry	
05/05/2010	20:36:49	191	5.0	8.33	29.9		
05/05/2010	20:37:06					Bring to weight 8.34 to 12.5 ppg	
05/05/2010	20:37:06	219	5.0	12.22	31.3		
05/05/2010	20:37:13					End Scavenger Slurry	
05/05/2010	20:37:13	257	5.0	12.42	31.9		
05/05/2010	20:37:16					Start Mixing Lead Slurry	
05/05/2010	20:37:16	264	5.0	12.45	32.2		
05/05/2010	20:37:25					83 bbl @ 12.5 ppg	
05/05/2010	20:37:25	275	5.0	12.46	32.9		
05/05/2010	20:37:27					Good returns	
05/05/2010	20:37:27	282	5.0	12.46	33.1		
05/05/2010	20:37:29					Sample = 12.5 ppg	
05/05/2010	20:37:29	271	5.0	12.46	33.3		
05/05/2010	20:38:12	261	5.0	12.45	36.9		
05/05/2010	20:41:32	387	6.5	12.45	54.0		
05/05/2010	20:44:52	405	6.5	12.47	75.5		
05/05/2010	20:48:12	269	5.0	12.48	96.5		
05/05/2010	20:51:32	86	2.9	12.44	112.2		
05/05/2010	20:51:41					End Lead Slurry	
05/05/2010	20:51:41	87	2.8	12.40	112.7		
05/05/2010	20:51:42					Start Mixing Scav Slurry	
05/05/2010	20:51:42	87	2.8	12.40	112.7		
05/05/2010	20:51:46					Bring to weight 12.5 to 15.8 ppg	
05/05/2010	20:51:46	91	2.8	12.46	112.9		
05/05/2010	20:53:44					End Scavenger Slurry	
05/05/2010	20:53:44	110	2.5	15.65	118.1		
05/05/2010	20:53:45					Start Mixing Tail Slurry	
05/05/2010	20:53:45	110	2.5	15.66	118.1		
05/05/2010	20:53:47					45 bbl @ 15.8 ppg	
05/05/2010	20:53:47	108	2.5	15.69	118.2		
05/05/2010	20:53:48					Good returns	
05/05/2010	20:53:48	108	2.4	15.69	118.2		
05/05/2010	20:53:51					Sample = 15.8 ppg	
05/05/2010	20:53:51	84	2.1	15.69	118.3		
05/05/2010	20:54:52	608	6.4	15.73	123.1		
05/05/2010	20:58:12	532	5.9	15.79	143.0		
05/05/2010	21:01:28					End Tail Slurry	
05/05/2010	21:01:28	547	5.9	15.86	162.2		
05/05/2010	21:01:32	578	5.9	15.84	162.6		
05/05/2010	21:02:35					Drop Top Plug	
05/05/2010	21:02:35	-7	0.1	15.90	168.1		
05/05/2010	21:02:36					Start Displacement	
05/05/2010	21:02:36	-7	0.1	15.90	168.1		
05/05/2010	21:02:41					91 bbl water displacement	
05/05/2010	21:02:41	-7	0.0	15.91	168.1		
05/05/2010	21:02:44					Good returns	
05/05/2010	21:02:44	-7	0.0	15.90	168.1		
05/05/2010	21:04:52	2	0.0	15.41	168.1		
05/05/2010	21:08:12	190	4.5	10.45	171.8		
05/05/2010	21:11:32	348	7.2	9.19	193.1		
05/05/2010	21:14:52	469	7.8	8.22	218.2		

Well			Field		Job Start		Customer		Job Number	
SHIDELER, 25-16A (C3 25-16A (C3			Mamm Creek		May/05/2010		Encana		B2IJ-000150	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
05/05/2010	21:18:27					35 bbl cement to surface				
05/05/2010	21:18:27	401	4.3	8.32	242.7					
05/05/2010	21:21:32	398	2.2	8.32	253.9					
05/05/2010	21:24:52	991	0.0	8.33	259.9					
05/05/2010	21:27:52					End Displacement				
05/05/2010	21:27:52	-4	0.0	8.33	259.9					
05/05/2010	21:27:53					Bump Top Plug				
05/05/2010	21:27:53	-4	0.0	8.33	259.9					
05/05/2010	21:27:58					1 bbl water back				
05/05/2010	21:27:58	-4	0.0	8.33	259.9					
05/05/2010	21:28:12	-3	0.0	8.33	259.9					
05/05/2010	21:30:52					End Job				
05/05/2010	21:30:52	10	0.0	8.33	259.9					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.1	N2	Mud 0.0	Maximum Rate 7.9	Total Slurry 128.0	Mud 0.0	Spacer 30.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3272	Final 950	Average 450	Bump Plug to 950	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 128.0 bbl		Displacement 91.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 35.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Robert Tate			Schlumberger Supervisor Terry Borg			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-		-	