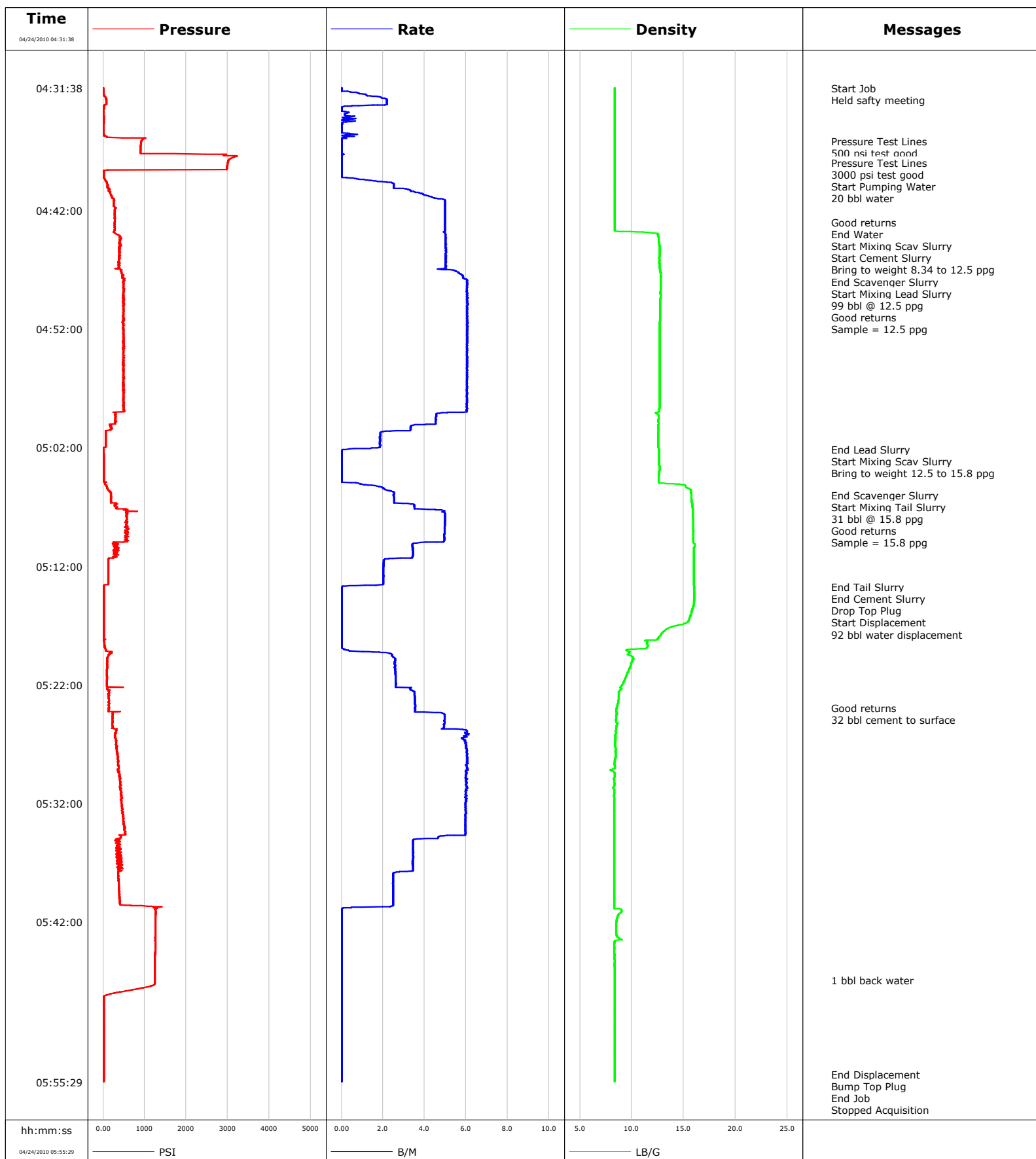


**Well** Shideler 31-6A (C31E)  
**Field** Mamm Creek  
**Engineer** Terry Borg  
**Country** United States

**Client** Encana  
**SIR No.** B708-00101  
**Job Type** 9 5/8 Surface  
**Job Date** 04-23-2010





# Cementing Service Report

				Customer Encana		Job Number B708-00101		
Well Shideler 31-6A (C31E) 31-6A (C31E)			Location (legal) 31-6A (C31E)		Schlumberger Location GCO		Job Start Apr/23/2010	
Field Mamm Creek		Formation Name/Type Shale		Deviation 0 deg	Bit Size 12.3 in	Well MD 1219.0 ft		Well TVD 1219.0 ft
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 85 degF	Pore Press. Gradient	
Well Master 0631144047		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	1219.0	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					
<b>Service Instructions</b> Cement 9 5/8" surface casing @ 1219 ft in 12 1/4" OH with 20 bbl water 264 sks 12.5 ppq Lead 149 sks 15.8 ppq Tail Displace with water			Top,	Bottom,			No. of Shots	Total Interval
								Diameter
		Treat Down Casing	Displacement 92.0 bbl		Packer Type		Packer Depth	
		Tubing Vol.	Casing Vol. 94.0 bbl		Annular Vol. 128.0 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 603 psi			Shoe Type Guide			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1219.0 ft			Tool Type	
No. Centralizers 10		Top Plugs 1	Bottom Plugs	Stage Tool Type			Tool Depth	
Cement Head Type Single				Stage Tool Depth			Tail Pipe Size	
Job Scheduled For Apr/23/2010 19:00		Arrived on Location Apr/23/2010 21:00		Leave Location Apr/23/2010 07:00		Collar Type Diff-Fill		Tail Pipe Depth
						Collar Depth 1190.0 ft		Sqz. Total Vol.
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/24/2010	03:49:14					Started Acquisition		
04/24/2010	04:31:38	1	0.0	8.35	0.0			
04/24/2010	04:31:40					Start Job		
04/24/2010	04:31:40	2	0.0	8.35	0.0			
04/24/2010	04:31:41					Held safty meeting		
04/24/2010	04:31:41	3	0.0	8.35	0.0			
04/24/2010	04:34:14	28	0.4	8.34	2.2			
04/24/2010	04:36:08					Pressure Test Lines		
04/24/2010	04:36:08	923	0.0	8.35	2.4			
04/24/2010	04:36:11					500 psi test good		
04/24/2010	04:36:11	918	0.0	8.35	2.4			
04/24/2010	04:37:57					Pressure Test Lines		
04/24/2010	04:37:57	3002	0.0	8.35	2.5			
04/24/2010	04:38:01					3000 psi test good		
04/24/2010	04:38:01	2997	0.0	8.35	2.5			
04/24/2010	04:38:59					Start Pumping Water		
04/24/2010	04:38:59	15	0.0	8.35	2.5			
04/24/2010	04:39:01					20 bbl water		
04/24/2010	04:39:01	15	0.0	8.35	2.5			
04/24/2010	04:39:14	17	0.2	8.35	2.5			
04/24/2010	04:42:58					Good returns		

Well			Field		Job Start		Customer		Job Number	
Shideler 31-6A (C31E) 31-6A (C31E)			Mamm Creek		Apr/23/2010		Encana		B708-00101	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
04/24/2010	04:43:35					End Water				
04/24/2010	04:43:35	277	5.0	8.34	20.4					
04/24/2010	04:43:36					Start Mixing Scav Slurry				
04/24/2010	04:43:36	273	5.0	8.35	20.5					
04/24/2010	04:43:40					Start Cement Slurry				
04/24/2010	04:43:40	274	5.0	8.34	20.8					
04/24/2010	04:43:43					Bring to weight 8.34 to 12.5 ppg				
04/24/2010	04:43:43	269	5.0	8.35	21.1					
04/24/2010	04:43:44					End Scavenger Slurry				
04/24/2010	04:43:44	275	5.0	8.42	21.2					
04/24/2010	04:43:46					Start Mixing Lead Slurry				
04/24/2010	04:43:46	258	5.0	9.16	21.3					
04/24/2010	04:43:48					99 bbl @ 12.5 ppg				
04/24/2010	04:43:48	261	4.9	10.56	21.5					
04/24/2010	04:43:52					Good returns				
04/24/2010	04:43:52	272	5.0	11.63	21.8					
04/24/2010	04:43:55					Sample = 12.5 ppg				
04/24/2010	04:43:55	294	5.0	12.40	22.1					
04/24/2010	04:44:14	420	5.0	12.58	23.7					
04/24/2010	04:49:14	478	6.0	12.77	50.8					
04/24/2010	04:54:14	501	6.1	12.68	81.1					
04/24/2010	04:59:14	301	4.6	12.57	111.0					
04/24/2010	05:02:08					End Lead Slurry				
04/24/2010	05:02:08	11	0.2	12.65	119.3					
04/24/2010	05:02:12					Start Mixing Scav Slurry				
04/24/2010	05:02:12	12	0.0	12.65	119.3					
04/24/2010	05:02:14					Bring to weight 12.5 to 15.8 ppg				
04/24/2010	05:02:14	12	0.0	12.65	119.3					
04/24/2010	05:04:14	20	0.0	12.65	119.3					
04/24/2010	05:05:59					End Scavenger Slurry				
04/24/2010	05:05:59	199	2.5	15.73	121.3					
04/24/2010	05:06:04					Start Mixing Tail Slurry				
04/24/2010	05:06:04	187	2.5	15.73	121.5					
04/24/2010	05:06:05					31 bbl @ 15.8 ppg				
04/24/2010	05:06:05	187	2.5	15.73	121.6					
04/24/2010	05:07:05					Good returns				
04/24/2010	05:07:05					Sample = 15.8 ppg				
04/24/2010	05:07:05	332	3.5	15.86	124.5					
04/24/2010	05:09:14	571	5.0	15.94	135.0					
04/24/2010	05:13:44					End Tail Slurry				
04/24/2010	05:13:44	18	0.0	16.01	147.9					
04/24/2010	05:13:45					End Cement Slurry				
04/24/2010	05:13:45	18	0.0	16.01	147.9					
04/24/2010	05:13:51					Drop Top Plug				
04/24/2010	05:13:51	16	0.0	16.01	147.9					
04/24/2010	05:13:52					Start Displacement				
04/24/2010	05:13:52	16	0.0	16.01	147.9					
04/24/2010	05:13:56					92 bbl water displacement				
04/24/2010	05:13:56	15	0.0	16.01	147.9					
04/24/2010	05:14:14	14	0.0	16.01	147.9					
04/24/2010	05:19:14	193	1.6	9.79	148.1					
04/24/2010	05:23:56					Good returns				
04/24/2010	05:23:56	138	3.5	8.56	161.7					
04/24/2010	05:23:57					32 bbl cement to surface				

Well			Field		Job Start	Customer		Job Number
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Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/24/2010	05:24:14	146	3.5	8.53	162.8			
04/24/2010	05:29:14	361	6.0	8.08	191.1			
04/24/2010	05:34:14	504	6.0	8.33	221.1			
04/24/2010	05:39:14	380	2.5	8.33	238.4			
04/24/2010	05:44:14	1251	0.0	8.33	242.2			
04/24/2010	05:46:54					1 bbl back water		
04/24/2010	05:46:54	1241	0.0	8.34	242.2			
04/24/2010	05:49:14	16	0.0	8.34	242.2			
04/24/2010	05:54:14	14	0.0	8.34	242.2			
04/24/2010	05:54:50					End Displacement		
04/24/2010	05:54:50					Bump Top Plug		
04/24/2010	05:54:50	19	0.0	8.34	242.2			
04/24/2010	05:54:51					End Job		
04/24/2010	05:54:51	18	0.0	8.34	242.2			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 4.1	N2	Mud 0.0	Maximum Rate 6.1		Total Slurry 130.0	Mud 0.0	Spacer 20.8	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3234	Final 15	Average 392	Bump Plug to 1100	Breakdown	Type		Volume		Density
Avg. N2 Percent		Designed Slurry Volume 130.0 bbl		Displacement 94.3 bbl	Mix Water Temp 60 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 32.0 bbl	
							Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative Ed Asuchak				Schlumberger Supervisor Terry Borg			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
							-		-