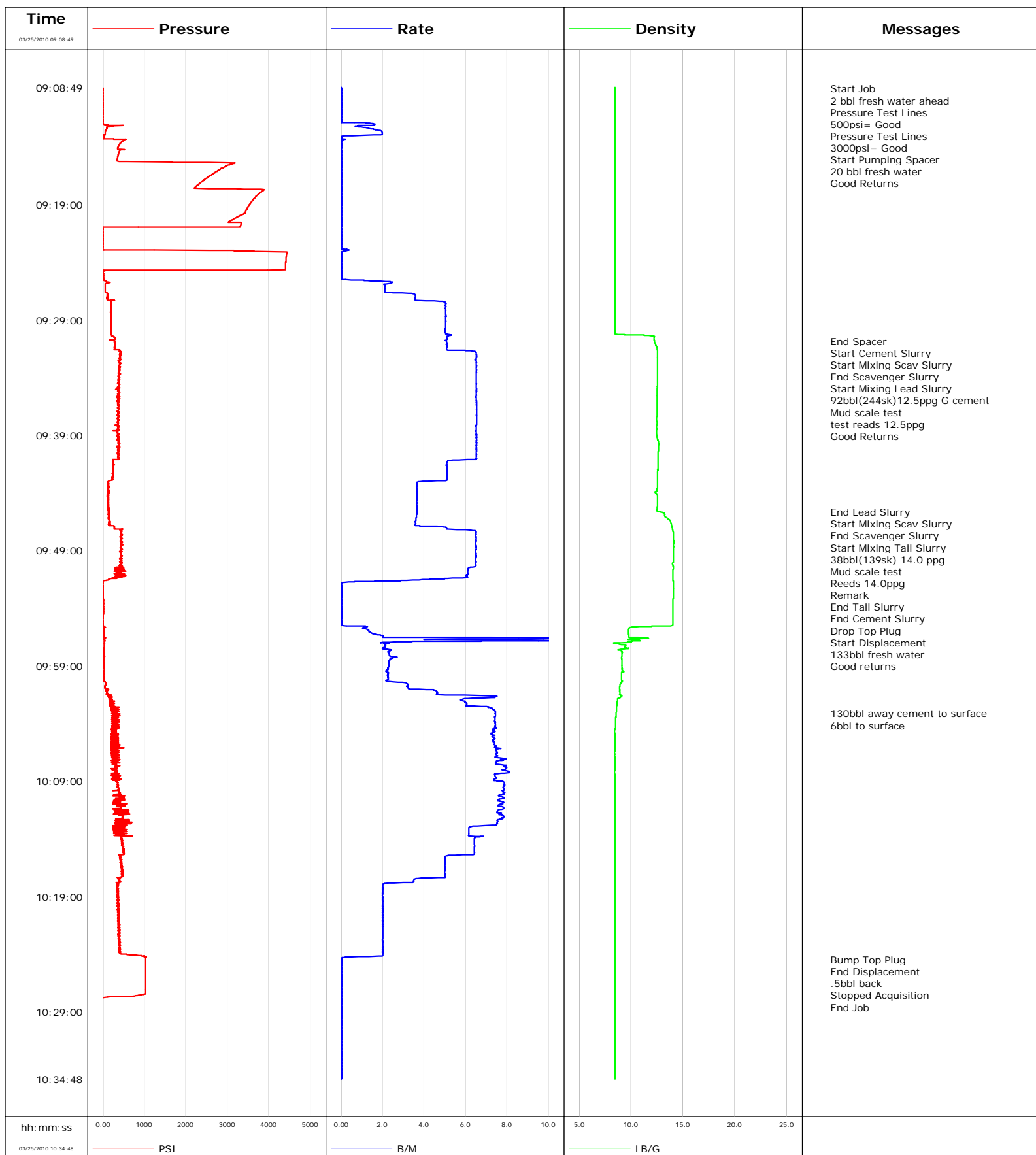


**Well** EF10A-28  
**Field** North Parachute  
**Engineer** Dustin C Krueger  
**Country** United States

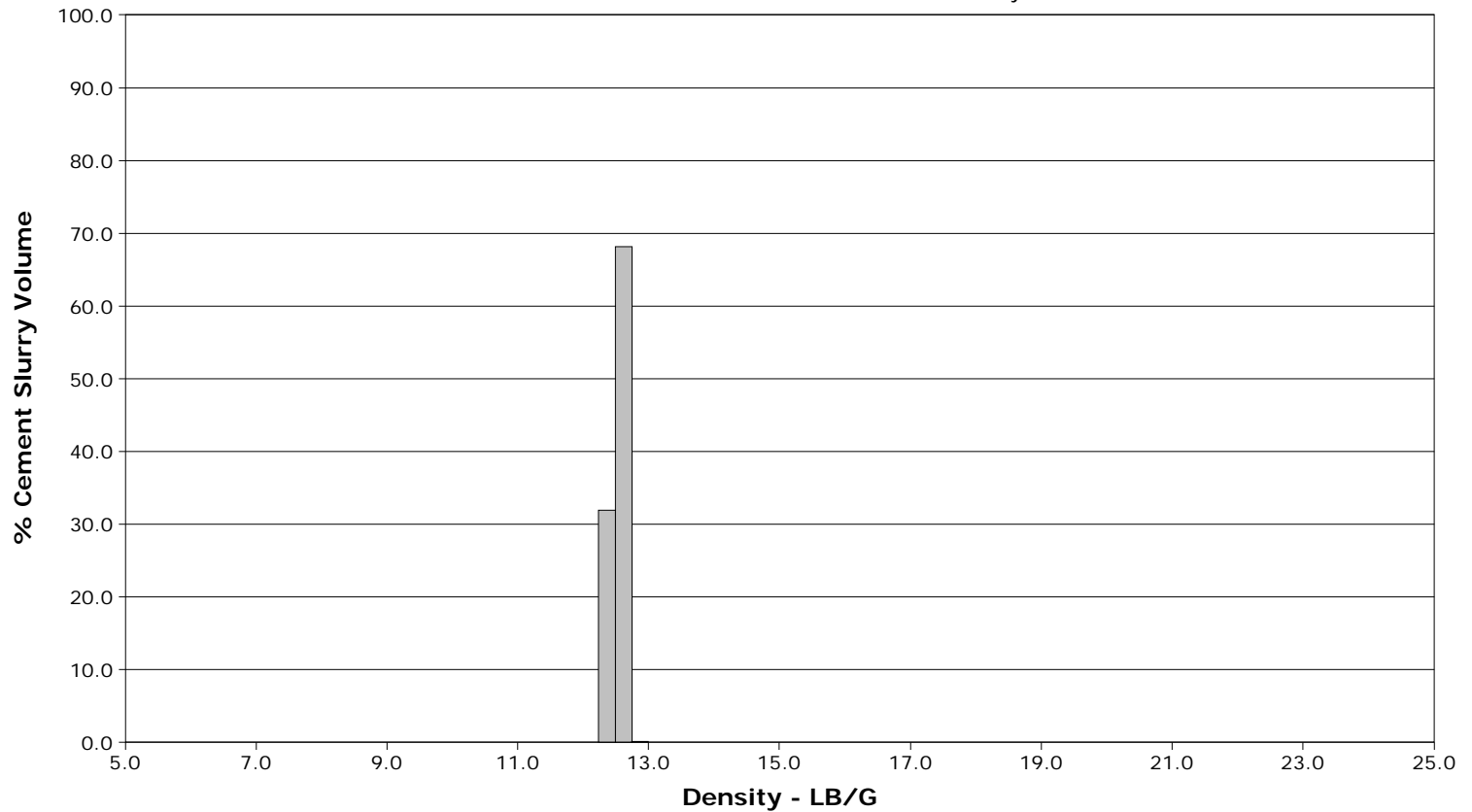
**Client** Encana Oil Gas  
**SIR No.** 338748  
**Job Type** 1756ft 9 5/8 Surface  
**Job Date** 03-25-2010



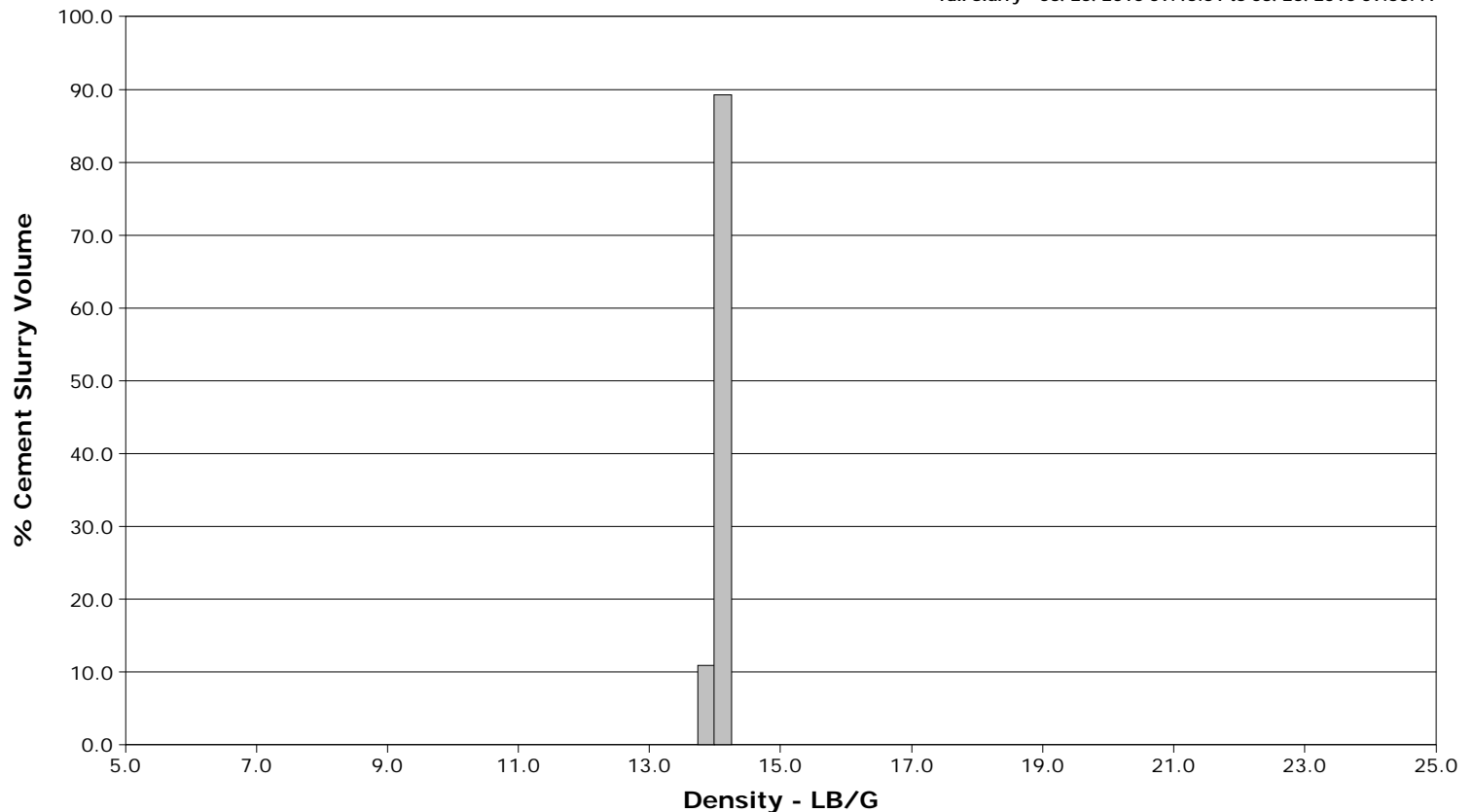
**Well** EF10A-28  
**Field** North Parachute  
**Engineer** Dustin C Krueger  
**Country** United States

**Client** Encana Oil Gas  
**SIR No.** 338748  
**Job Type** 1756ft 9 5/8 Surface  
**Job Date** 03-25-2010

Lead Slurry - 03/25/2010 09:32:16 to 03/25/2010 09:45:39



Tail Slurry - 03/25/2010 09:46:51 to 03/25/2010 09:50:41





# Cementing Service Report

				Customer Encana Oil & Gas		Job Number 338748		
Well EF10A-28 EF10A-28			Location (legal) C28 595		Schlumberger Location Grand Junctin		Job Start Mar/25/2010	
Field North Parachute		Formation Name/Type shale		Deviation 0 deg	Bit Size 12.3 in	Well MD 1756.0 ft		Well TVD 1756.0 ft
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 87 degF	Pore Press. Gradient	
Well Master 0631163133		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	120.0	16.000	65.0	N/A	N/A	
			1756.0	9.630	36.0	J55	8RD	
Drilling Fluid Type Bentonite		Max. Density 9.20 lb/gal	Plastic Viscosity 12.000 cP	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type 1756ft 9 5/8 Surface							
Max. Allowed Tub. Press 3500 psi	Max. Allowed Ann. Press 2200 psi	WH Connection Single Cement head	Perforations/Open Hole					
			Top,	Bottom,		No. of Shots	Total Interval	
							Diameter	
			Treat Down Casing	Displacement 132.0 bbl	Packer Type	Packer Depth		
			Tubing Vol. 0.0 bbl	Casing Vol. 132.0 bbl	Annular Vol. 108.0 bbl	Openhole Vol. 253.0 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 863 psi			Shoe Type Guide	Squeeze Type				
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1756.0 ft	Tool Type				
No. Centralizers 20	Top Plugs 1	Bottom Plugs	Stage Tool Type	Tool Depth				
Cement Head Type Single			Stage Tool Depth	Tail Pipe Size				
Job Scheduled For Mar/25/2010 06:30	Arrived on Location Mar/25/2010 06:00	Leave Location Mar/25/2010 12:00	Collar Type Float	Tail Pipe Depth				
			Collar Depth 1718.0 ft	Sqz. Total Vol.				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/25/2010	08:38:06					Started Acquisition		
03/25/2010	08:38:18					Pre Job Safty Meeting		
03/25/2010	09:08:49	-8	0.0	8.45	0.0			
03/25/2010	09:08:55					Start Job		
03/25/2010	09:08:55	-7	0.0	8.45	0.0			
03/25/2010	09:09:01					2 bbl fresh water ahead		
03/25/2010	09:09:01	-7	0.0	8.45	0.0			
03/25/2010	09:09:48					Pressure Test Lines		
03/25/2010	09:09:48	-8	0.0	8.45	0.0			
03/25/2010	09:09:51					500psi= Good		
03/25/2010	09:09:51	-8	0.0	8.45	0.0			
03/25/2010	09:09:54					Pressure Test Lines		
03/25/2010	09:09:54	-7	0.0	8.45	0.0			
03/25/2010	09:09:56					3000psi= Good		
03/25/2010	09:09:56	-7	0.0	8.45	0.0			
03/25/2010	09:09:59					Start Pumping Spacer		
03/25/2010	09:09:59	-7	0.0	8.45	0.0			
03/25/2010	09:10:01					20 bbl fresh water		
03/25/2010	09:10:01	-7	0.0	8.45	0.0			
03/25/2010	09:10:02					Good Returns		
03/25/2010	09:10:02	-7	0.0	8.45	0.0			

Well			Field	Job Start	Customer	Job Number
EF10A-28 EF10A-28			North Parachute	Mar/25/2010	Encana Oil & Gas	338748
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
03/25/2010	09:18:06	3742	0.0	8.45	1.8	
03/25/2010	09:23:06	4434	0.0	8.45	1.8	
03/25/2010	09:28:06	184	5.0	8.44	10.4	
03/25/2010	09:30:49					End Spacer
03/25/2010	09:30:49	275	5.0	12.24	24.1	
03/25/2010	09:30:52					Start Cement Slurry
03/25/2010	09:30:52	304	5.1	12.27	24.4	
03/25/2010	09:30:53					Start Mixing Scav Slurry
03/25/2010	09:30:53	273	5.1	12.27	24.5	
03/25/2010	09:32:15					End Scavenger Slurry
03/25/2010	09:32:15	402	6.5	12.57	32.3	
03/25/2010	09:32:16					Start Mixing Lead Slurry
03/25/2010	09:32:16	403	6.5	12.57	32.4	
03/25/2010	09:33:06	395	6.5	12.56	37.8	
03/25/2010	09:34:08					92bbl(244sk)12.5ppg G cement
03/25/2010	09:34:08					Mud scale test
03/25/2010	09:34:08	392	6.5	12.55	44.5	
03/25/2010	09:34:09					test reads 12.5ppg
03/25/2010	09:34:09					Good Returns
03/25/2010	09:34:09	392	6.5	12.55	44.6	
03/25/2010	09:38:06	349	6.5	12.48	70.4	
03/25/2010	09:43:06	115	3.7	12.56	100.0	
03/25/2010	09:45:39					End Lead Slurry
03/25/2010	09:45:39	150	3.7	12.86	109.3	
03/25/2010	09:45:40					Start Mixing Scav Slurry
03/25/2010	09:45:40	135	3.7	12.86	109.4	
03/25/2010	09:46:49					End Scavenger Slurry
03/25/2010	09:46:49	153	3.6	13.90	113.5	
03/25/2010	09:46:51					Start Mixing Tail Slurry
03/25/2010	09:46:51	252	3.8	13.93	113.7	
03/25/2010	09:46:52					38bbl(139sk) 14.0 ppg
03/25/2010	09:46:52	276	3.8	13.93	113.7	
03/25/2010	09:46:53					Mud scale test
03/25/2010	09:46:53					Reeds 14.0ppg
03/25/2010	09:46:53	276	4.3	13.94	113.8	
03/25/2010	09:46:54					Remark
03/25/2010	09:46:54	279	4.6	13.94	113.9	
03/25/2010	09:48:06	423	6.5	14.09	121.2	
03/25/2010	09:50:41					End Tail Slurry
03/25/2010	09:50:41	339	6.1	14.04	137.9	
03/25/2010	09:50:51					End Cement Slurry
03/25/2010	09:50:51	431	6.1	14.03	138.9	
03/25/2010	09:50:59					Drop Top Plug
03/25/2010	09:50:59	272	6.1	14.03	139.8	
03/25/2010	09:51:35					Start Displacement
03/25/2010	09:51:35	89	3.1	14.01	143.1	
03/25/2010	09:51:40					133bbl fresh water
03/25/2010	09:51:40	-2	1.6	14.05	143.3	
03/25/2010	09:51:41					Good returns
03/25/2010	09:51:41	-2	1.1	14.07	143.3	
03/25/2010	09:53:06	-10	0.0	14.06	143.3	
03/25/2010	09:58:06	20	2.3	9.14	150.5	
03/25/2010	10:03:06	334	7.4	8.55	170.6	
03/25/2010	10:03:07					130bbl away cement to surface

Well			Field		Job Start	Customer	Job Number
EF10A-28 EF10A-28			North Parachute		Mar/25/2010	Encana Oil & Gas	338748
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/25/2010	10:03:08					6bbl to surface	
03/25/2010	10:03:08	207	7.4	8.55	170.8		
03/25/2010	10:08:06	335	8.0	8.43	208.0		
03/25/2010	10:13:06	403	6.2	8.45	246.1		
03/25/2010	10:18:06	330	2.0	8.45	272.7		
03/25/2010	10:23:06	387	2.0	8.45	282.7		
03/25/2010	10:24:28					Bump Top Plug	
03/25/2010	10:24:28	1029	0.0	8.45	284.9		
03/25/2010	10:24:29					End Displacement	
03/25/2010	10:24:29	1032	0.0	8.45	284.9		
03/25/2010	10:24:33					.5bbl back	
03/25/2010	10:24:33	1031	0.0	8.45	284.9		
03/25/2010	10:28:06	-22	0.0	8.45	284.9		
03/25/2010	10:33:06	-21	0.0	8.46	284.9		
03/25/2010	10:34:50					Stopped Acquisition	

### Post Job Summary

Average Pump Rates,					Volume of Fluid Injected, bbl						
Slurry	N2		Mud	Maximum Rate	Total Slurry 130.0	Mud 0.0		Spacer 20.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 300	Final 1200	Average 300	Bump Plug to 1200	Breakdown 275	Type FreshWater		Volume 328.0 bbl		Density 8.34 lb/gal		
Avg. N2 Percent		Designed Slurry Volume 130.0 bbl		Displacement 132.0 bbl		Mix Water Temp 60 degF		Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume 6.0 bbl	
								Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative Randy Burk				Schlumberger Supervisor Dustin C Krueger				Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-	



# Service Quality Evaluation

<b>Client:</b>	Encana Oil & Gas
<b>Field:</b>	North Parachute
<b>Rig:</b>	NABORS M-13
<b>Well:</b>	EF10A-28
<b>Service Line:</b>	Cementing
<b>Job Type:</b>	1756ft 9 5/8 Surface

<b>Service Order #:</b>	
<b>Date:</b>	Mar/08/2010
<b>Operating Time:</b>	0.0
<b>Client Rep:</b>	Encana Oil & Gas
<b>Schlumberger Engineer:</b>	Dustin C Krueger
<b>Schlumberger FSM:</b>	

**Main Objective:**

**To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.**

		Score	Yes / No				Result
<b>1</b>	<b>HSE</b>						
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
1c	Free of RIRs	5	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
1d	Wellsite left clean	4	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
Sub-total							0%

<b>2</b>	<b>Design / Preparation</b>						
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
Sub-total							0%

<b>3</b>	<b>Execution</b>						
3a	Lost time < 30 mins	3	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3b	Equipment pressure tested succesfully	3	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested succesfully	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3h	Job pumped per design	3	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
Sub-total							0%

<b>4</b>	<b>Evaluation</b>						
4a	Main job objective achieved with no consequential non-productive time	10	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>	0
Sub-total							0%

**Total** 0%

**Comments:** (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

<b>Client:</b>	<b>Schlumberger:</b>
<b>Client Signature:</b>	<b>Schlumberger Signature:</b>