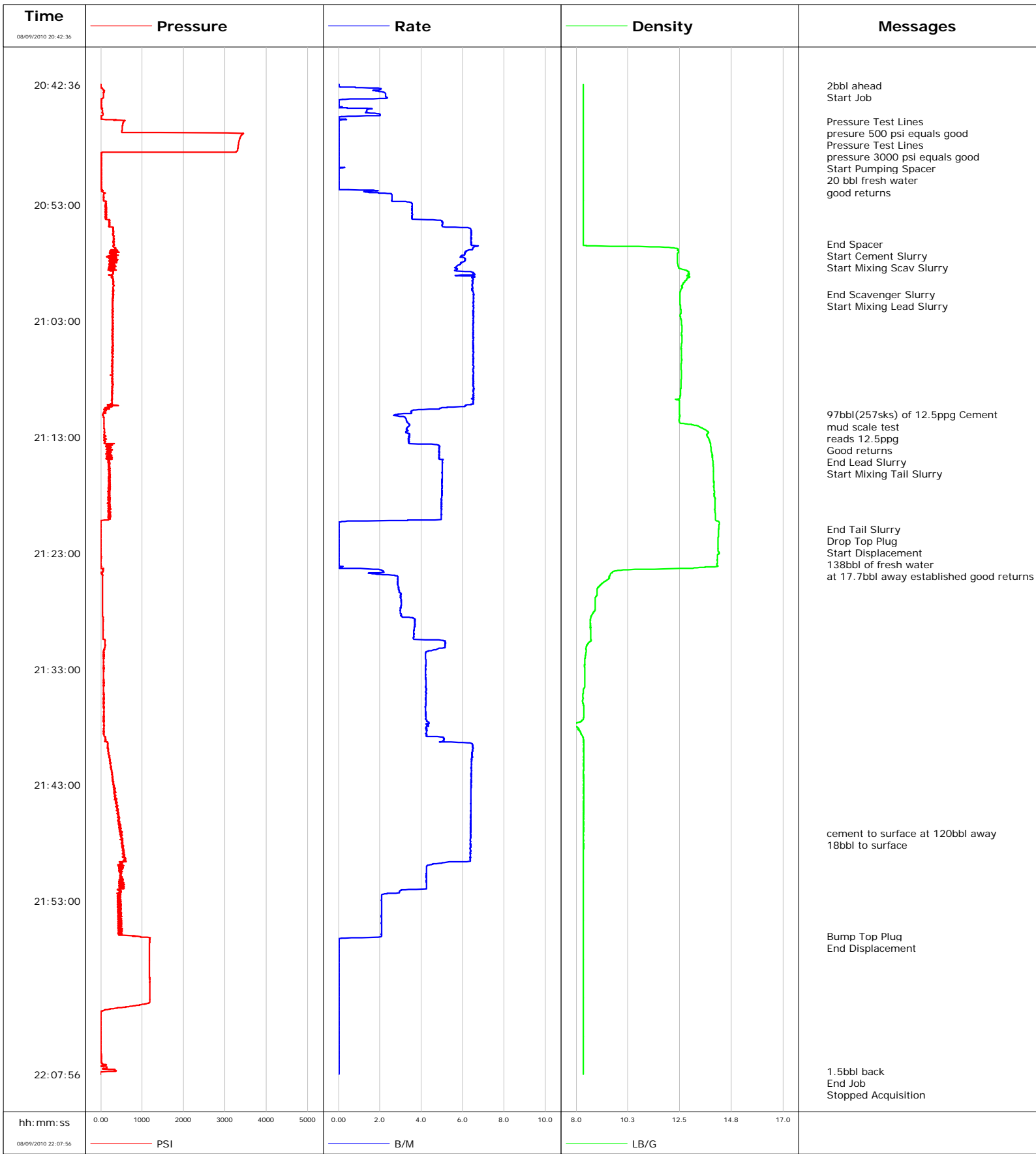


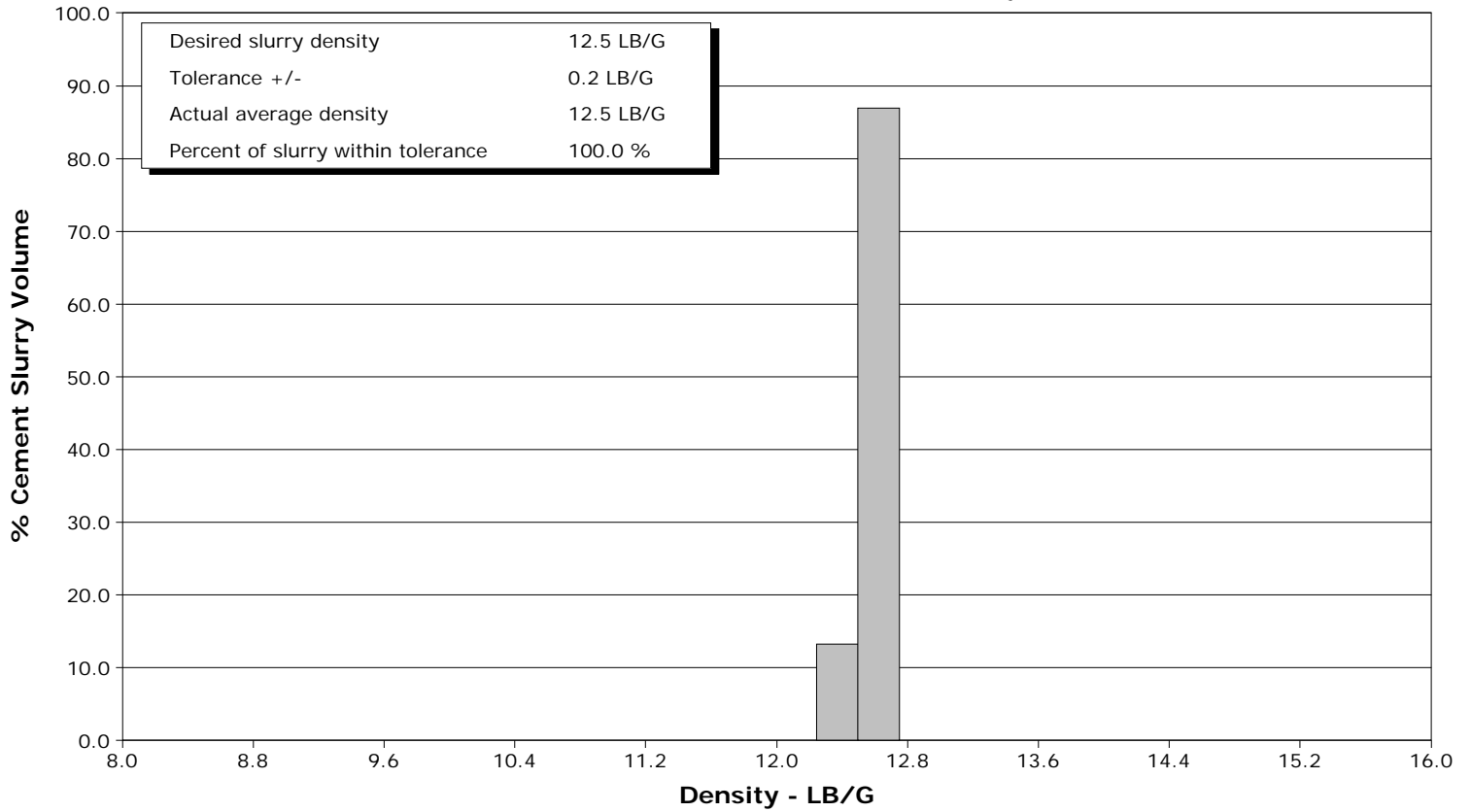
Well	WF04C-22 K22 596	Client	Encana
Field	N. Parachute	SIR No.	BAD4-00138
Engineer	Dustin C Krueger	Job Type	9 5/8 Surface
Country	United States	Job Date	08-09-2010



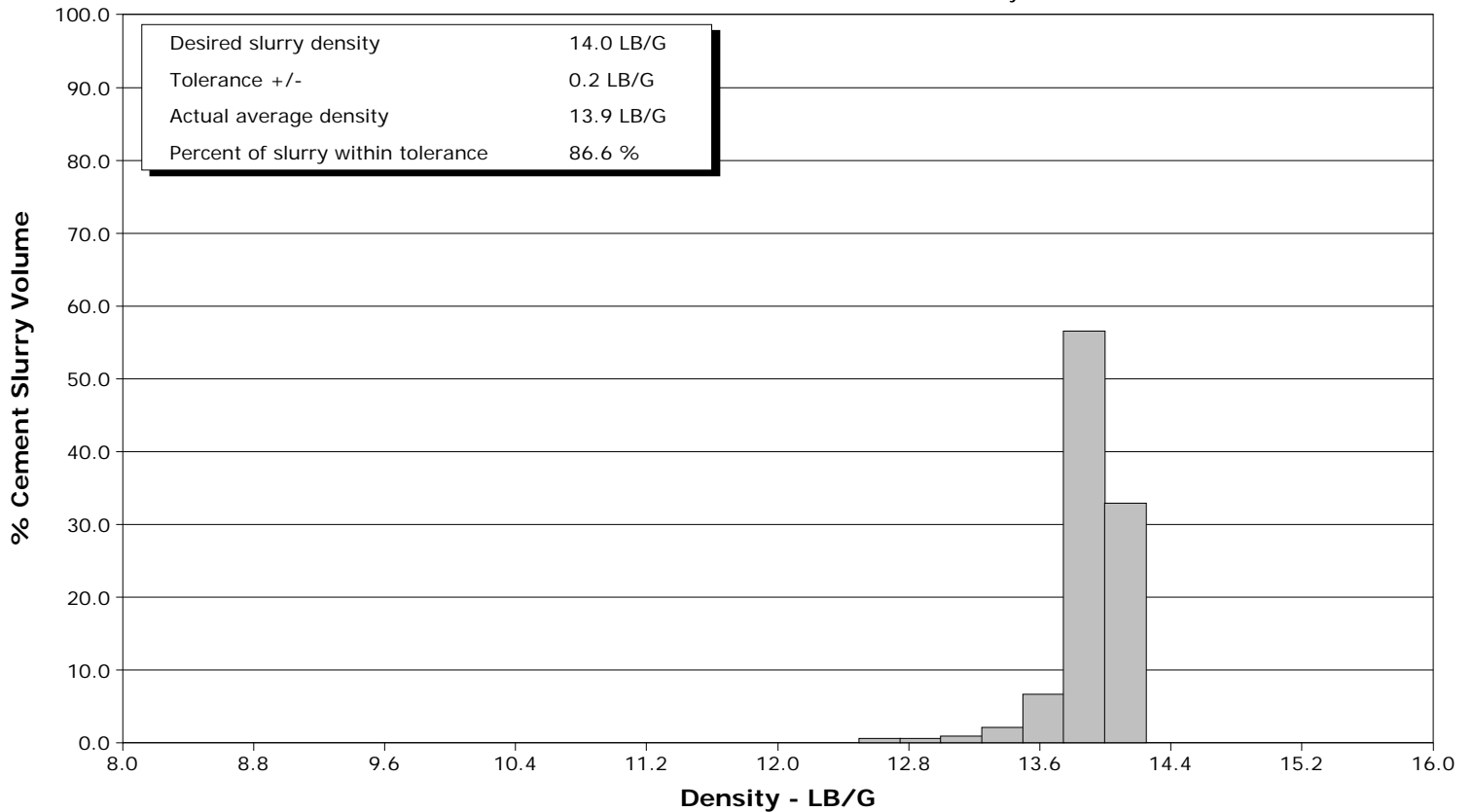
Well WF04C-22 K22 596
Field N. Parachute
Engineer Dustin C Krueger
Country United States

Client Encana
SIR No. BAD4-00138
Job Type 9 5/8 Surface
Job Date 08-09-2010

Lead Slurry - 08/09/2010 21:00:43 to 08/09/2010 21:11:44



Tail Slurry - 08/09/2010 21:11:48 to 08/09/2010 21:20:55





Cementing Service Report

Customer Encana				Job Number BAD4-00138			
Well WF04C-22 K22 596 WF04C-22 K22 596,1		Location (legal) K22 596		Schlumberger Location Grand Junction		Job Start Aug/09/2010	
Field N. Parachute		Formation Name/Type Shale		Deviation 0 deg	Bit Size 12.3 in	Well MD 1824.0 ft	Well TVD 1824.0 ft
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 87 degF	Pore Press. Gradient
Well Master 0631203039		API/UWI					
Rig Name Patterson 303	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	1824.0	9.630	36.0	J55	8
			0.0	0.000	0.0		
Drilling Fluid Type Bentonite		Max. Density 9.10 lb/gal	Plastic Viscosity 19.000 cP		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 9 5/8		Perforations/Open Hole			
				Top,	Bottom,	No. of Shots	Total Interval
							Diameter
				Treat Down Casing	Displacement 137.9 bbl	Packer Type	Packer Depth
				Tubing Vol.	Casing Vol. 141.0 bbl	Annular Vol. 111.0 bbl	Openhole Vol. 262.0 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 902 psi			Shoe Type Guide	Squeeze Type			
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1818.0 ft	Tool Type			
No. Centralizers 23	Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth		
Cement Head Type Single			Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Aug/09/2010 13:30	Arrived on Location Aug/09/2010 13:30	Leave Location Aug/09/2010	Collar Type Diff-Fill		Tail Pipe Depth		
			Collar Depth 1777.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
08/09/2010	19:39:07					Started Acquisition	
08/09/2010	19:39:12					dustin is a tool	
08/09/2010	19:39:23					Pre Job Safety Meeting	
08/09/2010	20:42:36	-9	0.0	8.31	0.0		
08/09/2010	20:42:39					2bbl ahead	
08/09/2010	20:42:39	-9	0.0	8.31	0.0		
08/09/2010	20:42:46					Start Job	
08/09/2010	20:42:46	-9	0.0	8.31	0.0		
08/09/2010	20:44:07	8	0.0	8.32	2.1		
08/09/2010	20:45:46					Pressure Test Lines	
08/09/2010	20:45:46	564	0.0	8.32	3.2		
08/09/2010	20:45:49					pressure 500 psi equals good	
08/09/2010	20:45:49	550	0.0	8.32	3.2		
08/09/2010	20:46:37	510	0.0	8.32	3.2		
08/09/2010	20:47:07					Pressure Test Lines	
08/09/2010	20:47:07	3374	0.0	8.32	3.2		
08/09/2010	20:47:11					pressure 3000 psi equals good	
08/09/2010	20:47:11	3364	0.0	8.32	3.2		
08/09/2010	20:49:01					Start Pumping Spacer	
08/09/2010	20:49:01	5	0.0	8.32	3.2		
08/09/2010	20:49:04					20 bbl fresh water	

Well		Field		Job Start		Customer		Job Number	
WF04C-22 K22 596 WF04C-22 K22 596,1		N. Parachute		Aug/09/2010		Encana		BAD4-00138	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/09/2010	20:49:04	5	0.0	8.32	3.2				
08/09/2010	20:49:07	5	0.0	8.32	3.2				
08/09/2010	20:51:37	3	0.0	8.32	3.2				
08/09/2010	20:54:07	112	3.5	8.32	10.6				
08/09/2010	20:56:21					End Spacer			
08/09/2010	20:56:21	315	6.4	8.32	23.5				
08/09/2010	20:56:23					Start Cement Slurry			
08/09/2010	20:56:23	304	6.4	8.32	23.7				
08/09/2010	20:56:26					Start Mixing Scav Slurry			
08/09/2010	20:56:26	330	6.4	8.32	24.0				
08/09/2010	20:56:37	302	6.5	11.61	25.3				
08/09/2010	20:59:07	281	6.2	12.85	40.4				
08/09/2010	21:00:42					End Scavenger Slurry			
08/09/2010	21:00:42	283	6.5	12.51	50.7				
08/09/2010	21:00:43					Start Mixing Lead Slurry			
08/09/2010	21:00:43	311	6.5	12.51	50.8				
08/09/2010	21:01:37	288	6.5	12.52	56.7				
08/09/2010	21:04:07	304	6.5	12.58	72.9				
08/09/2010	21:06:37	293	6.5	12.57	89.2				
08/09/2010	21:09:07	279	6.5	12.53	105.5				
08/09/2010	21:11:04					97bbl(257sks) of 12.5ppg Cement			
08/09/2010	21:11:04	49	2.8	12.50	116.4				
08/09/2010	21:11:05					mud scale test			
08/09/2010	21:11:05					reads 12.5ppg			
08/09/2010	21:11:05	47	2.8	12.50	116.4				
08/09/2010	21:11:06					Good returns			
08/09/2010	21:11:06	48	2.7	12.50	116.5				
08/09/2010	21:11:37	75	3.3	12.48	118.1				
08/09/2010	21:11:44					End Lead Slurry			
08/09/2010	21:11:44	75	3.3	12.48	118.5				
08/09/2010	21:11:48					Start Mixing Tail Slurry			
08/09/2010	21:11:48	78	3.4	12.50	118.7				
08/09/2010	21:14:07	278	4.9	13.86	127.3				
08/09/2010	21:16:37	219	5.0	13.97	139.7				
08/09/2010	21:19:07	185	5.0	14.03	152.1				
08/09/2010	21:20:55					End Tail Slurry			
08/09/2010	21:20:55	-4	0.0	14.19	157.6				
08/09/2010	21:20:58					Drop Top Plug			
08/09/2010	21:20:58	-4	0.0	14.19	157.6				
08/09/2010	21:21:00					Start Displacement			
08/09/2010	21:21:00	-4	0.0	14.19	157.6				
08/09/2010	21:21:06					138bbl of fresh water			
08/09/2010	21:21:06	-4	0.0	14.19	157.6				
08/09/2010	21:21:07					at 17.7bbl away established good returns			
08/09/2010	21:21:07	-4	0.0	14.19	157.6				
08/09/2010	21:21:37	-3	0.0	14.17	157.6				
08/09/2010	21:24:07	-3	0.0	14.16	157.6				
08/09/2010	21:26:37	39	3.0	8.91	163.6				
08/09/2010	21:29:07	56	3.7	8.62	171.5				
08/09/2010	21:31:37	67	4.2	8.42	182.1				
08/09/2010	21:34:07	64	4.2	8.37	192.6				
08/09/2010	21:36:37	79	4.2	8.33	203.1				
08/09/2010	21:39:07	104	5.1	8.32	214.0				
08/09/2010	21:41:37	254	6.4	8.32	229.8				

Well		Field		Job Start		Customer		Job Number	
WF04C-22 K22 596 WF04C-22 K22 596,1		N. Parachute		Aug/09/2010		Encana		BAD4-00138	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/09/2010	21:46:37	466	6.4	8.32	261.8				
08/09/2010	21:47:11					cement to surface at 120bbl away			
08/09/2010	21:47:11	501	6.4	8.32	265.4				
08/09/2010	21:47:13					18bbl to surface			
08/09/2010	21:47:13	510	6.4	8.32	265.6				
08/09/2010	21:49:07	563	6.4	8.32	277.7				
08/09/2010	21:51:37	566	4.2	8.32	289.6				
08/09/2010	21:54:07	421	2.1	8.32	295.9				
08/09/2010	21:56:00					Bump Top Plug			
08/09/2010	21:56:00	753	2.1	8.32	299.9				
08/09/2010	21:56:01					End Displacement			
08/09/2010	21:56:01	803	2.1	8.32	299.9				
08/09/2010	21:56:37	1171	0.0	8.32	300.2				
08/09/2010	21:59:07	1177	0.0	8.32	300.2				
08/09/2010	22:01:37	1182	0.0	8.32	300.2				
08/09/2010	22:04:07	-3	0.0	8.32	300.2				
08/09/2010	22:06:37	9	0.0	8.32	300.2				
08/09/2010	22:07:40					1.5bbl back			
08/09/2010	22:07:40	372	0.0	8.32	300.2				
08/09/2010	22:07:52					End Job			
08/09/2010	22:07:52	-13	0.0	8.32	300.2				

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.8		0.0	6.7	300.2	0.0	23.5	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3445	1300	359	1300		FreshWater	340.0 bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	18.0 bbl
	135.0 bbl	142.6 bbl	72 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative		Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed
Dawn Gerard		Dustin Krueger			-		<input checked="" type="checkbox"/>