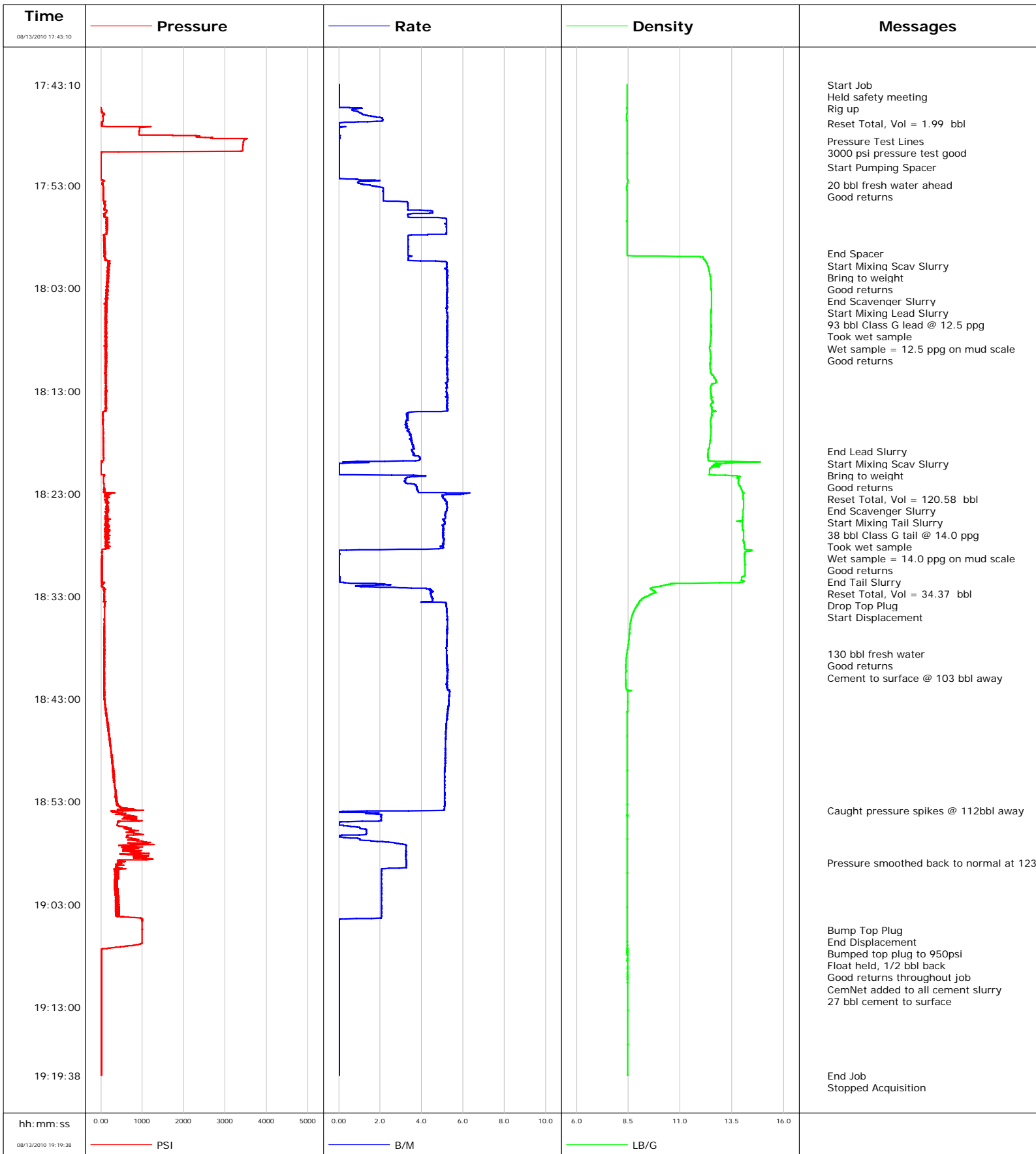


Well	WF14D-22 K22 596, 1	Client	ENCANA
Field	N. PARACHUTE	SIR No.	BAD4-00140
Engineer	Dave Wanczyk	Job Type	9 5/8 Surface Casing
Country	United States	Job Date	08-13-2010





Cementing Service Report

Customer ENCANA				Job Number BAD4-00140							
Well WF14D-22 K22 596, 1			Location (legal)			Schlumberger Location Grand Junction, CO		Job Start Aug/13/2010			
Field N. PARACHUTE		Formation Name/Type Shale		Deviation		Bit Size 12.3 in		Well MD 1740.0 ft		Well TVD 1740.0 ft	
County Garfield		State/Province Colorado		BHP		BHST 100 degF		BHCT 87 degF		Pore Press. Gradient	
Well Master 0631203041		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		120.0	16.000	65.0	H40	8RD	
						1740.0	9.630	36.0	J55	8RD	
Drilling Fluid Type Bentonite		Max. Density 9.50 lb/gal		Plastic Viscosity		Tubing/Drill Pipe					
						Depth,	Size,	Weight,	Grade	Thread	
Service Line Cementing		Job Type 9 5/8 Surface Casing									
Max. Allowed Tub. Press 3520 psi		Max. Allowed Ann. Press 2030 psi		WH Connection Single Cement head		Perforations/Open Hole					
						Top,	Bottom,		No. of Shots	Total Interval	
										Diameter	
						Treat Down Casing	Displacement 131.0 bbl		Packer Type		Packer Depth
						Tubing Vol.	Casing Vol. 134.5 bbl		Annular Vol. 107.0 bbl		Openhole Vol. 278.0 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 861 psi				Shoe Type Guide				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1740.0 ft				Tool Type			
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth	
Cement Head Type Single				Stage Tool Depth				Tail Pipe Size			
Job Scheduled For Aug/13/2010		Arrived on Location Aug/13/2010		Leave Location Aug/13/2010		Collar Type Diff-Fill				Tail Pipe Depth	
						Collar Depth 1695.0 ft				Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
08/13/2010	14:59:58					Started Acquisition					
08/13/2010	17:43:10	-16	0.0	8.43	0.0						
08/13/2010	17:43:12					Start Job					
08/13/2010	17:43:12	-15	0.0	8.43	0.0						
08/13/2010	17:43:15					Held safety meeting					
08/13/2010	17:43:15					Rig up					
08/13/2010	17:43:15	-15	0.0	8.43	0.0						
08/13/2010	17:43:18	-15	0.0	8.43	0.0						
08/13/2010	17:44:58	-15	0.0	8.43	0.0						
08/13/2010	17:46:38	55	2.1	8.43	1.6						
08/13/2010	17:46:55					Reset Total, Vol = 1.99 bbl					
08/13/2010	17:46:55	14	0.1	8.44	2.0						
08/13/2010	17:48:18	2304	0.0	8.45	2.0						
08/13/2010	17:48:40					Pressure Test Lines					
08/13/2010	17:48:40	3445	0.0	8.44	2.0						
08/13/2010	17:48:43					3000 psi pressure test good					
08/13/2010	17:48:43	3442	0.0	8.44	2.0						
08/13/2010	17:49:58	-6	0.0	8.45	2.0						
08/13/2010	17:51:13					Start Pumping Spacer					
08/13/2010	17:51:13	-6	0.0	8.45	2.1						
08/13/2010	17:51:38	-5	0.0	8.45	2.1						

Well		Field		Job Start		Customer		Job Number	
WF14D-22 K22 596, 1		N. PARACHUTE		Aug/13/2010		ENCANA		BAD4-00140	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/13/2010	17:52:55	47	1.2	8.44	2.7				
08/13/2010	17:52:56					Good returns			
08/13/2010	17:52:56	47	1.4	8.44	2.8				
08/13/2010	17:53:18	52	2.1	8.42	3.4				
08/13/2010	17:54:58	87	3.3	8.44	7.5				
08/13/2010	17:56:38	144	5.2	8.43	14.4				
08/13/2010	17:58:18	91	3.4	8.44	22.1				
08/13/2010	17:59:38					End Spacer			
08/13/2010	17:59:38	89	3.3	8.45	26.6				
08/13/2010	17:59:43					Start Mixing Scav Slurry			
08/13/2010	17:59:43	90	3.3	8.45	26.9				
08/13/2010	17:59:47					Bring to weight			
08/13/2010	17:59:47					Good returns			
08/13/2010	17:59:47	81	3.4	8.45	27.1				
08/13/2010	17:59:58	97	3.4	12.09	27.7				
08/13/2010	18:01:38	171	5.2	12.43	35.7				
08/13/2010	18:02:09					End Scavenger Slurry			
08/13/2010	18:02:09	144	5.2	12.48	38.4				
08/13/2010	18:02:10					Start Mixing Lead Slurry			
08/13/2010	18:02:10	178	5.2	12.48	38.5				
08/13/2010	18:02:11					93 bbl Class G lead @ 12.5 ppg			
08/13/2010	18:02:11	149	5.2	12.48	38.6				
08/13/2010	18:02:15					Took wet sample			
08/13/2010	18:02:15					Wet sample = 12.5 ppg on mud scale			
08/13/2010	18:02:15	165	5.2	12.48	38.9				
08/13/2010	18:03:18	141	5.2	12.51	44.4				
08/13/2010	18:03:46					Good returns			
08/13/2010	18:03:46	154	5.2	12.51	46.8				
08/13/2010	18:04:58	100	5.2	12.50	53.1				
08/13/2010	18:06:38	132	5.2	12.50	61.8				
08/13/2010	18:08:18	139	5.2	12.46	70.5				
08/13/2010	18:09:58	112	5.2	12.47	79.3				
08/13/2010	18:11:38	111	5.2	12.63	88.0				
08/13/2010	18:13:18	128	5.2	12.49	96.7				
08/13/2010	18:14:58	121	5.3	12.69	105.4				
08/13/2010	18:16:38	55	3.3	12.49	111.0				
08/13/2010	18:18:18	60	3.6	12.42	116.8				
08/13/2010	18:18:54					End Lead Slurry			
08/13/2010	18:18:54	60	3.5	12.34	118.9				
08/13/2010	18:18:55					Start Mixing Scav Slurry			
08/13/2010	18:18:55	61	3.5	12.34	119.0				
08/13/2010	18:19:01					Bring to weight			
08/13/2010	18:19:01	62	3.6	12.34	119.3				
08/13/2010	18:19:02					Good returns			
08/13/2010	18:19:02	62	3.6	12.34	119.4				
08/13/2010	18:19:58					Reset Total, Vol = 120.58 bbl			
08/13/2010	18:19:58	4	1.5	13.18	122.6				
08/13/2010	18:21:38	64	3.2	13.84	124.1				
08/13/2010	18:22:18					End Scavenger Slurry			
08/13/2010	18:22:18	82	3.8	13.89	126.4				
08/13/2010	18:22:19					Start Mixing Tail Slurry			
08/13/2010	18:22:19	78	3.8	13.90	126.5				
08/13/2010	18:22:21					38 bbl Class G tail @ 14.0 ppg			
08/13/2010	18:22:21	76	3.8	13.90	126.6				

Well		Field		Job Start		Customer		Job Number	
WF14D-22 K22 596, 1		N. PARACHUTE		Aug/13/2010		ENCANA		BAD4-00140	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/13/2010	18:22:22					Wet sample = 14.0 ppg on mud scale			
08/13/2010	18:22:22	79	3.8	13.91	126.7				
08/13/2010	18:23:18	145	5.0	14.04	130.9				
08/13/2010	18:24:58	162	5.1	14.04	139.5				
08/13/2010	18:26:38	157	5.0	14.07	148.0				
08/13/2010	18:27:47					Good returns			
08/13/2010	18:27:47	144	5.1	14.06	153.8				
08/13/2010	18:28:18	202	5.0	14.10	156.4				
08/13/2010	18:28:24					End Tail Slurry			
08/13/2010	18:28:24	43	4.2	14.10	156.9				
08/13/2010	18:28:25					Reset Total, Vol = 34.37 bbl			
08/13/2010	18:28:25	29	4.2	14.10	156.9				
08/13/2010	18:28:27					Drop Top Plug			
08/13/2010	18:28:27	29	2.0	14.24	157.0				
08/13/2010	18:28:28					Start Displacement			
08/13/2010	18:28:28	28	1.0	14.35	157.1				
08/13/2010	18:29:58	23	0.0	14.12	157.1				
08/13/2010	18:31:38	15	0.1	14.04	157.1				
08/13/2010	18:33:18	82	4.5	9.13	162.9				
08/13/2010	18:34:58	84	5.2	8.67	171.4				
08/13/2010	18:36:38	82	5.2	8.55	180.1				
08/13/2010	18:38:18	86	5.2	8.44	188.8				
08/13/2010	18:38:37					130 bbl fresh water			
08/13/2010	18:38:37	85	5.2	8.43	190.5				
08/13/2010	18:38:38					Good returns			
08/13/2010	18:38:38					Cement to surface @ 103 bbl away			
08/13/2010	18:38:38	78	5.2	8.42	190.6				
08/13/2010	18:39:58	85	5.2	8.38	197.5				
08/13/2010	18:41:38	81	5.2	8.37	206.3				
08/13/2010	18:43:18	87	5.3	8.45	215.1				
08/13/2010	18:44:58	139	5.2	8.45	223.9				
08/13/2010	18:46:38	197	5.2	8.45	232.5				
08/13/2010	18:48:18	255	5.2	8.45	241.1				
08/13/2010	18:49:58	295	5.1	8.45	249.7				
08/13/2010	18:51:38	339	5.1	8.45	258.2				
08/13/2010	18:53:18	385	5.1	8.45	266.7				
08/13/2010	18:53:51					Caught pressure spikes @ 112bbl away			
08/13/2010	18:53:51	914	5.1	8.45	269.5				
08/13/2010	18:54:58	423	0.1	8.45	271.5				
08/13/2010	18:56:38	830	1.0	8.45	272.7				
08/13/2010	18:58:18	783	3.2	8.45	277.5				
08/13/2010	18:58:57					Pressure smoothed back to normal at 123 bbl away			
08/13/2010	18:58:57	416	3.3	8.45	279.6				
08/13/2010	18:59:58	337	2.1	8.45	282.3				
08/13/2010	19:01:38	334	2.1	8.45	285.7				
08/13/2010	19:03:18	377	2.1	8.45	289.2				
08/13/2010	19:04:58	998	0.0	8.45	291.4				
08/13/2010	19:05:28					Bump Top Plug			
08/13/2010	19:05:28	998	0.0	8.45	291.4				
08/13/2010	19:05:29					End Displacement			
08/13/2010	19:05:29	998	0.0	8.45	291.4				
08/13/2010	19:05:31					Bumped top plug to 950psi			
08/13/2010	19:05:31	997	0.0	8.45	291.4				
08/13/2010	19:05:32					Float held, 1/2 bbl back			

Well		Field		Job Start		Customer		Job Number	
WF14D-22 K22 596, 1		N. PARACHUTE		Aug/13/2010		ENCANA		BAD4-00140	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/13/2010	19:05:32					CemNet added to all cement slurry			
08/13/2010	19:05:32	998	0.0	8.45	291.4				
08/13/2010	19:05:33					27 bbl cement to surface			
08/13/2010	19:05:33	998	0.0	8.45	291.4				
08/13/2010	19:06:38	999	0.0	8.45	291.4				
08/13/2010	19:08:18	2	0.0	8.45	291.4				
08/13/2010	19:09:58	3	0.0	8.45	291.4				
08/13/2010	19:11:38	4	0.0	8.45	291.5				
08/13/2010	19:13:18	4	0.0	8.45	291.5				
08/13/2010	19:14:58	4	0.0	8.45	291.5				
08/13/2010	19:16:38	4	0.0	8.45	291.5				
08/13/2010	19:18:18	4	0.0	8.45	291.5				
08/13/2010	19:19:38	4	0.0	8.45	291.5				
08/13/2010	19:19:38					End Job			

Post Job Summary

Average Pump Rates,				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
				131.0		20.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3000	0	250	950				
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	
	131.0 bbl		130.0 bbl	70 degF	<input checked="" type="checkbox"/>	27.0 bbl	
Customer or Authorized Representative				Schlumberger Supervisor		Circulation Lost	
Ed Asuchak				Dave Wanczyk		<input type="checkbox"/>	
						Job Completed <input checked="" type="checkbox"/>	