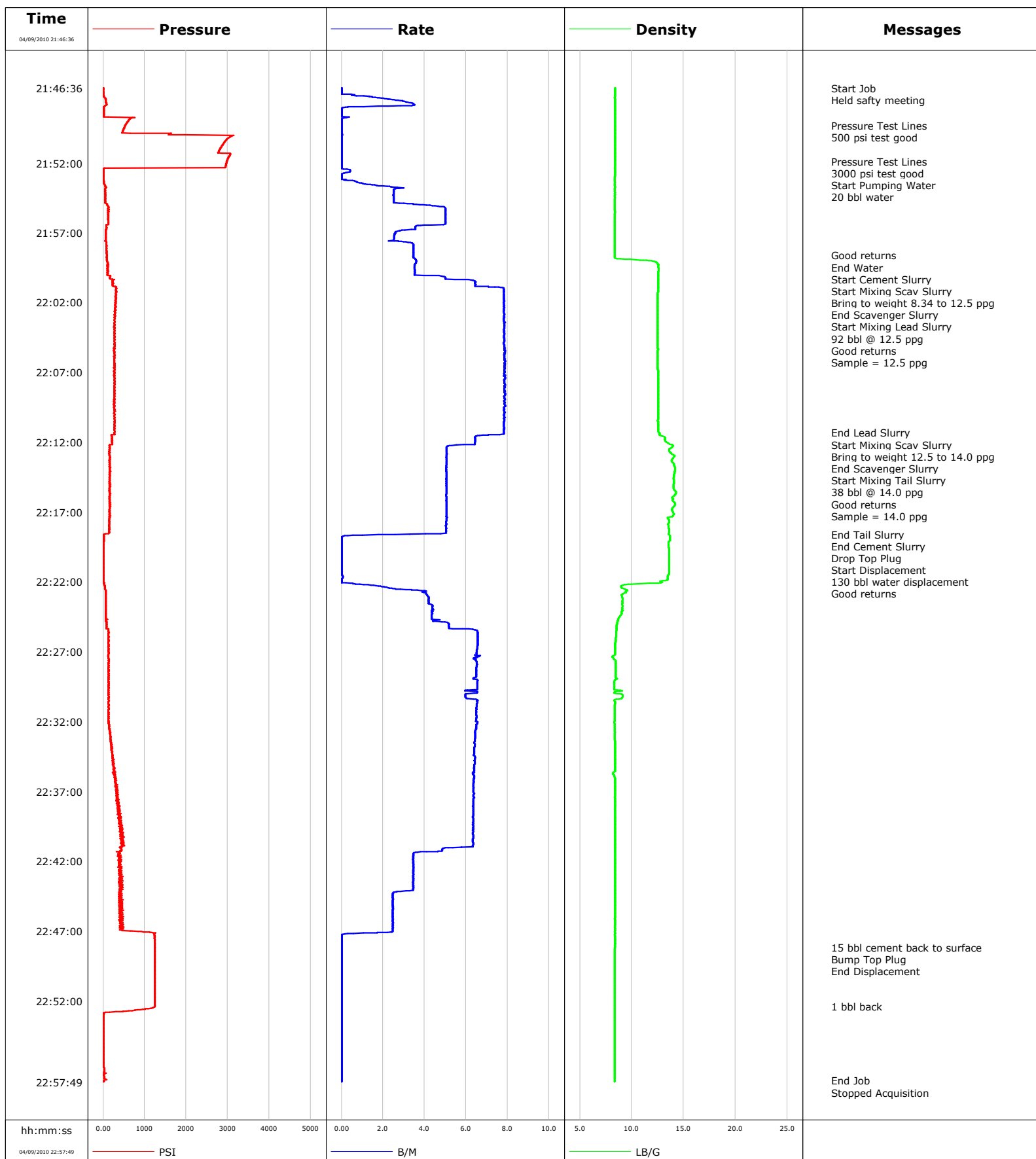


Well WF10B-21 K22 596,1
Field N Parachute
Engineer Terry Borg
Country United States

Client Encana
SIR No. B2K7-00051
Job Type 9 5/8 SURFACE
Job Date 04-09-2010





Cementing Service Report

				Customer Encana		Job Number B2K7-00051		
Well WF10B-21 K22 596,1 B2K7-00051			Location (legal) K22 596,1		Schlumberger Location GCO		Job Start Apr/09/2010	
Field N Parachute		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1720.0 ft		Well TVD 1720.0 ft
County Garfield		State/Province Colorado		BHP	BHST 115 degF	BHCT 96 degF	Pore Press. Gradient	
Well Master 0631173472		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	1720.0	9.630	36.0	K55	8RD	
			0.0	0.000	0.0			
Drilling Fluid Type Bentonite		Max. Density 9.00 lb/gal	Plastic Viscosity 17.000 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 129.0 bbl	Packer Type	Packer Depth		
			Tubing Vol.	Casing Vol. 133.0 bbl	Annular Vol. 126.0 bbl	Openhole Vol. 248.0 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 851 psi			Shoe Type Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1720.0 ft		Tool Type			
No. Centralizers 22	Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth			
Cement Head Type Single			Stage Tool Depth		Tail Pipe Size			
Job Scheduled For Apr/09/2010 17:00	Arrived on Location Apr/09/2010 20:30	Leave Location Apr/09/2010 24:00	Collar Type Diff-Fill		Tail Pipe Depth			
			Collar Depth 1677.0 ft		Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/09/2010	21:21:34					Started Acquisition		
04/09/2010	21:46:36	0	0.0	8.39	0.0			
04/09/2010	21:46:37					Start Job		
04/09/2010	21:46:37	0	0.0	8.39	0.0			
04/09/2010	21:47:08					Held safty meeting		
04/09/2010	21:47:08	3	0.7	8.39	0.0			
04/09/2010	21:49:18					Pressure Test Lines		
04/09/2010	21:49:18	539	0.0	8.38	2.1			
04/09/2010	21:49:20					500 psi test good		
04/09/2010	21:49:20	531	0.0	8.38	2.1			
04/09/2010	21:51:34	3028	0.0	8.38	2.1			
04/09/2010	21:51:53					Pressure Test Lines		
04/09/2010	21:51:53	2978	0.0	8.38	2.1			
04/09/2010	21:51:55					3000 psi test good		
04/09/2010	21:51:55	2974	0.0	8.38	2.1			
04/09/2010	21:53:05					Start Pumping Water		
04/09/2010	21:53:05	8	0.0	8.38	2.2			
04/09/2010	21:53:09					20 bbl water		
04/09/2010	21:53:09	8	0.0	8.38	2.2			
04/09/2010	21:56:34	82	3.6	8.38	13.8			
04/09/2010	21:58:36					Good returns		

Well WF10B-21 K22 596,1 B2K7-00051			Field N Parachute	Job Start Apr/09/2010		Customer Encana	Job Number B2K7-00051
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/09/2010	21:58:37					End Water	
04/09/2010	21:58:37	103	3.5	8.37	20.1		
04/09/2010	21:58:43					Start Cement Slurry	
04/09/2010	21:58:43	84	3.5	8.37	20.5		
04/09/2010	21:58:44					Start Mixing Scav Slurry	
04/09/2010	21:58:44	84	3.5	8.37	20.5		
04/09/2010	21:58:46					Bring to weight 8.34 to 12.5 ppg	
04/09/2010	21:58:46	81	3.5	8.37	20.7		
04/09/2010	21:59:11					End Scavenger Slurry	
04/09/2010	21:59:11	109	3.6	12.46	22.1		
04/09/2010	21:59:15					Start Mixing Lead Slurry	
04/09/2010	21:59:15	122	3.5	12.53	22.4		
04/09/2010	21:59:47					92 bbl @ 12.5 ppg	
04/09/2010	21:59:47	110	3.5	12.57	24.3		
04/09/2010	22:01:34	306	7.8	12.51	35.5		
04/09/2010	22:01:46					Good returns	
04/09/2010	22:01:46					Sample = 12.5 ppg	
04/09/2010	22:01:46	301	7.8	12.50	37.0		
04/09/2010	22:06:34	274	7.9	12.51	74.7		
04/09/2010	22:11:18					End Lead Slurry	
04/09/2010	22:11:18	272	7.8	12.63	111.8		
04/09/2010	22:11:20					Start Mixing Scav Slurry	
04/09/2010	22:11:20	268	7.8	12.65	112.1		
04/09/2010	22:11:27					Bring to weight 12.5 to 14.0 ppg	
04/09/2010	22:11:27	288	7.6	12.66	113.0		
04/09/2010	22:11:34	207	6.5	13.02	113.8		
04/09/2010	22:12:12					End Scavenger Slurry	
04/09/2010	22:12:12	157	5.5	13.95	117.9		
04/09/2010	22:12:14					Start Mixing Tail Slurry	
04/09/2010	22:12:14	150	5.3	13.97	118.1		
04/09/2010	22:12:20					38 bbl @ 14.0 ppg	
04/09/2010	22:12:20	157	5.1	13.92	118.6		
04/09/2010	22:12:22					Good returns	
04/09/2010	22:12:22	154	5.1	13.89	118.7		
04/09/2010	22:12:23					Sample = 14.0 ppg	
04/09/2010	22:12:23	151	5.1	13.87	118.8		
04/09/2010	22:16:34	157	5.1	14.12	140.0		
04/09/2010	22:18:35					End Tail Slurry	
04/09/2010	22:18:35	52	3.3	13.57	150.1		
04/09/2010	22:18:37					End Cement Slurry	
04/09/2010	22:18:37	18	2.6	13.59	150.2		
04/09/2010	22:18:40					Drop Top Plug	
04/09/2010	22:18:40	23	0.6	13.67	150.3		
04/09/2010	22:18:41					Start Displacement	
04/09/2010	22:18:41	12	0.3	13.68	150.3		
04/09/2010	22:18:43					130 bbl water displacement	
04/09/2010	22:18:43	14	0.1	13.69	150.3		
04/09/2010	22:18:44					Good returns	
04/09/2010	22:18:44	13	0.1	13.69	150.3		
04/09/2010	22:21:34	7	0.1	13.49	150.3		
04/09/2010	22:26:34	138	6.5	8.41	171.4		
04/09/2010	22:31:34	121	6.5	8.37	203.7		
04/09/2010	22:36:34	309	6.4	8.38	235.8		
04/09/2010	22:41:34	402	3.4	8.39	266.4		

Well			Field		Job Start		Customer		Job Number	
WF10B-21 K22 596,1 B2K7-00051			N Parachute		Apr/09/2010		Encana		B2K7-00051	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
04/09/2010	22:48:10					15 bbl cement back to surface				
04/09/2010	22:48:10	1241	0.0	8.38	282.8					
04/09/2010	22:48:15					Bump Top Plug				
04/09/2010	22:48:15	1240	0.0	8.38	282.8					
04/09/2010	22:48:16					End Displacement				
04/09/2010	22:48:16	1240	0.0	8.38	282.8					
04/09/2010	22:51:34	1240	0.0	8.38	282.8					
04/09/2010	22:52:24					1 bbl back				
04/09/2010	22:52:24	1241	0.0	8.38	282.8					
04/09/2010	22:56:34	7	0.0	8.37	282.8					
04/09/2010	22:57:43					End Job				
04/09/2010	22:57:43	17	0.0	8.37	282.8					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.3	N2	Mud 0.0	Maximum Rate 7.9		Total Slurry 130.0	Mud 0.0	Spacer 20.5	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3143	Final 14	Average 368	Bump Plug to	Breakdown	Type		Volume		Density
Avg. N2 Percent		Designed Slurry Volume 130.0 bbl		Displacement 130.0 bbl	Mix Water Temp 70 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 15.0 bbl
							Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative Floyd Roberts				Schlumberger Supervisor Terry Borg			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
							-		-