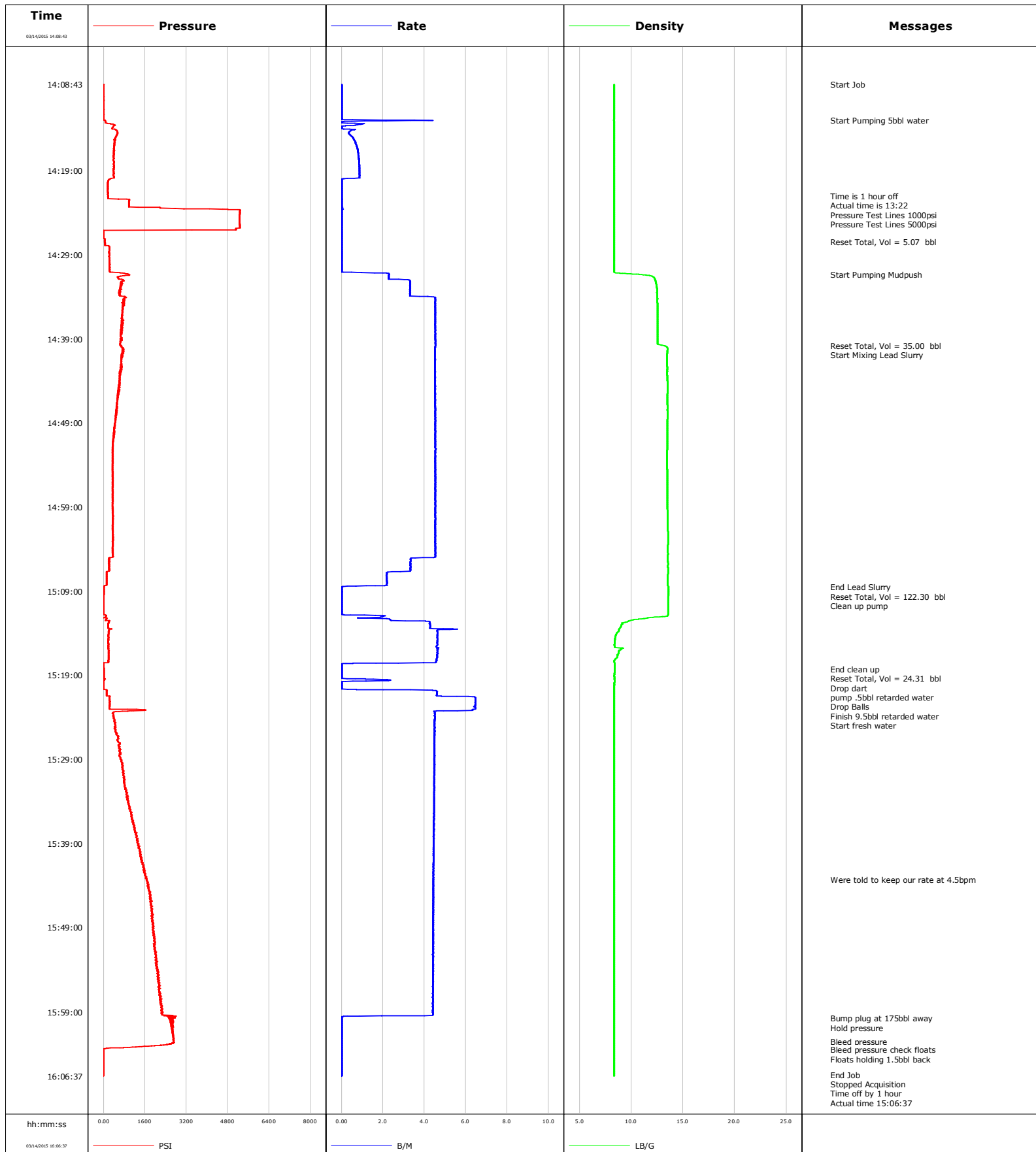


Well	Ruhl	Client	Encana
Field	DJ	SIR No.	D2IK-00861
Engineer	Chris Valerio/Charles Peavey	Job Type	Production
Country	United States	Job Date	03-14-2015



				Customer Encana				Job Number D2IK-00861	
Well Ruhl 1L-32H			Location (legal)			Schlumberger Location			Job Start Mar/14/2015
Field DJ		Formation Name/Type Shale		Deviation 90 deg		Bit Size 6.1 in		Well MD 11776.0 ft	Well TVD 7178.0 ft
County Weld		State/Province Colorado		BHP psi		BHST 215 degF		BHCT 215 degF	Pore Press. Gradient lb/gal
Well Master 0631588854		API/UWI 05123402780000							
Rig Name Ensign #135		Drilled For Oil		Service Via Land		Casing/Liner			
						Depth, ft	Size, in	Weight, lb/ft	Grade
						7678.0	7.0	26.0	P110
						11776.0	4.5	13.5	P110
Offshore Zone		Well Class New		Well Type Development					
Drilling Fluid Type Other		Max. Density 11.30 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
						T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing		Job Type Production							
Max. Allowed Tub. Press 4500 psi		Max. Allowed Ann. Press psi		WH Connection Blackhawk CMT Head		Perforations/Open Hole			
						Top, ft	Bottom, ft	shot/ft	No. of Shots
						ft	ft		Total Interval ft
						ft	ft		Diameter in
						ft	ft		
						Treat Down Casing	Displacement 175.3 bbl	Packer Type	Packer Depth ft
						Tubing Vol. bbl	Casing Vol. 175.4 bbl	Annular Vol. 211.0 bbl	Openhole Vol. 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 psi						Shoe Type Float		Squeeze Type	
Pipe Rotated <input checked="" type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 11776.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type		Tool Depth ft	
Cement Head Type Single						Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Mar/14/2015 09:00		Arrived on Location Mar/14/2015 09:00		Leave Location Mar/14/2015 16:00		Collar Type Landing		Tail Pipe Depth ft	
						Collar Depth 11771.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/14/2015	14:08:43	-1	0.0	8.34	0.0	Started Acquisition			
03/14/2015	14:08:48	-1	0.0	8.34	0.0	Start Job			
03/14/2015	14:13:00	60	4.4	8.32	0.2	Start Pumping 5bbl water			
03/14/2015	14:13:43	375	0.0	8.35	0.8				
03/14/2015	14:18:43	383	0.9	8.34	4.0				
03/14/2015	14:22:03	167	0.0	8.34	5.1	Time is 1 hour off			
03/14/2015	14:22:32	984	0.0	8.34	5.1	Actual time is 13:22			
03/14/2015	14:22:35	982	0.0	8.34	5.1	Pressure Test Lines 1000psi			
03/14/2015	14:23:43	5277	0.0	8.34	5.1				
03/14/2015	14:23:57	5267	0.0	8.34	5.1	Pressure Test Lines 5000psi			
03/14/2015	14:27:28	43	0.0	8.34	5.1	Reset Total, Vol = 5.07 bbl			
03/14/2015	14:28:43	218	0.0	8.34	5.1				
03/14/2015	14:31:19	974	2.3	10.75	5.6	Start Pumping Mudpush			
03/14/2015	14:33:43	650	3.3	12.49	12.9				
03/14/2015	14:38:43	653	4.5	12.55	35.3				
03/14/2015	14:39:46	670	4.5	13.15	40.1	Reset Total, Vol = 35.00 bbl			
03/14/2015	14:39:52	685	4.5	13.36	40.5	Start Mixing Lead Slurry			
03/14/2015	14:43:43	618	4.5	13.49	57.9				
03/14/2015	14:48:43	448	4.5	13.49	80.5				
03/14/2015	14:53:43	340	4.5	13.46	103.2				
03/14/2015	14:58:43	348	4.5	13.50	125.8				

Well			Field		Job Start	Customer		Job Number
Ruhl 1L-32H			DJ		Mar/14/2015	Encana		D2IK-00861
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/14/2015	15:08:29	8	0.0	13.59	163.5	End Lead Slurry		
03/14/2015	15:08:33	7	0.0	13.59	163.5	Reset Total, Vol = 122.30 bbl		
03/14/2015	15:08:43	8	0.0	13.59	163.5			
03/14/2015	15:08:44	8	0.0	13.59	163.5	Clean up pump		
03/14/2015	15:13:43	195	4.6	8.79	170.3			
03/14/2015	15:18:17	5	0.0	8.37	187.8	End clean up		
03/14/2015	15:18:21	5	0.0	8.37	187.8	Reset Total, Vol = 24.31 bbl		
03/14/2015	15:18:27	6	0.0	8.37	187.8	Drop dart		
03/14/2015	15:18:43	5	0.0	8.36	187.8			
03/14/2015	15:19:18	6	0.0	8.37	187.8	pump .5bbl retarded water		
03/14/2015	15:19:40	-16	0.6	8.37	188.4	Drop Balls		
03/14/2015	15:20:42	117	3.3	8.35	188.5	Finish 9.5bbl retarded water		
03/14/2015	15:22:25	235	6.5	8.35	198.1	Start fresh water		
03/14/2015	15:23:43	375	4.5	8.34	205.4			
03/14/2015	15:28:43	671	4.5	8.34	227.9			
03/14/2015	15:33:43	914	4.5	8.34	250.3			
03/14/2015	15:38:43	1316	4.5	8.34	272.6			
03/14/2015	15:43:16	1671	4.4	8.34	292.8	Were told to keep our rate at 4.5bpm		
03/14/2015	15:43:43	1683	4.4	8.34	294.8			
03/14/2015	15:48:43	1932	4.4	8.34	317.0			
03/14/2015	15:53:43	2077	4.4	8.34	339.1			
03/14/2015	15:58:43	2285	4.4	8.34	361.2			
03/14/2015	15:59:45	2550	0.0	8.34	364.4	Bump plug at 175bbl away		
03/14/2015	16:00:33	2662	0.0	8.34	364.4	Hold pressure		
03/14/2015	16:02:32	2727	0.0	8.34	364.4	Bleed pressure		
03/14/2015	16:03:29	-8	0.0	8.34	364.4	Bleed pressure check floats		
03/14/2015	16:03:43	-5	0.0	8.34	364.4			
03/14/2015	16:04:01	-4	0.0	8.34	364.4	Floats holding 1.5bbl back		
03/14/2015	16:06:26	-3	0.0	8.34	364.4	End Job		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 3.7	N2	Mud	Maximum Rate 6.5		Total Slurry 120.0	Mud 0.0	Spacer 40.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 2727	Final 2727	Average 937	Bump Plug to 2550	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 120.0 bbl	Displacement 172.0 bbl	Mix Water Temp 71 degF	Cement Circulated to Surface?		Volume 0.0 bbl						
				Washed Thru Perfs		To ft						
Customer or Authorized Representative Mike Roane			Schlumberger Supervisor Chris Valerio/Charles Peavey			Circulation Lost	Job Completed					
						-	-					