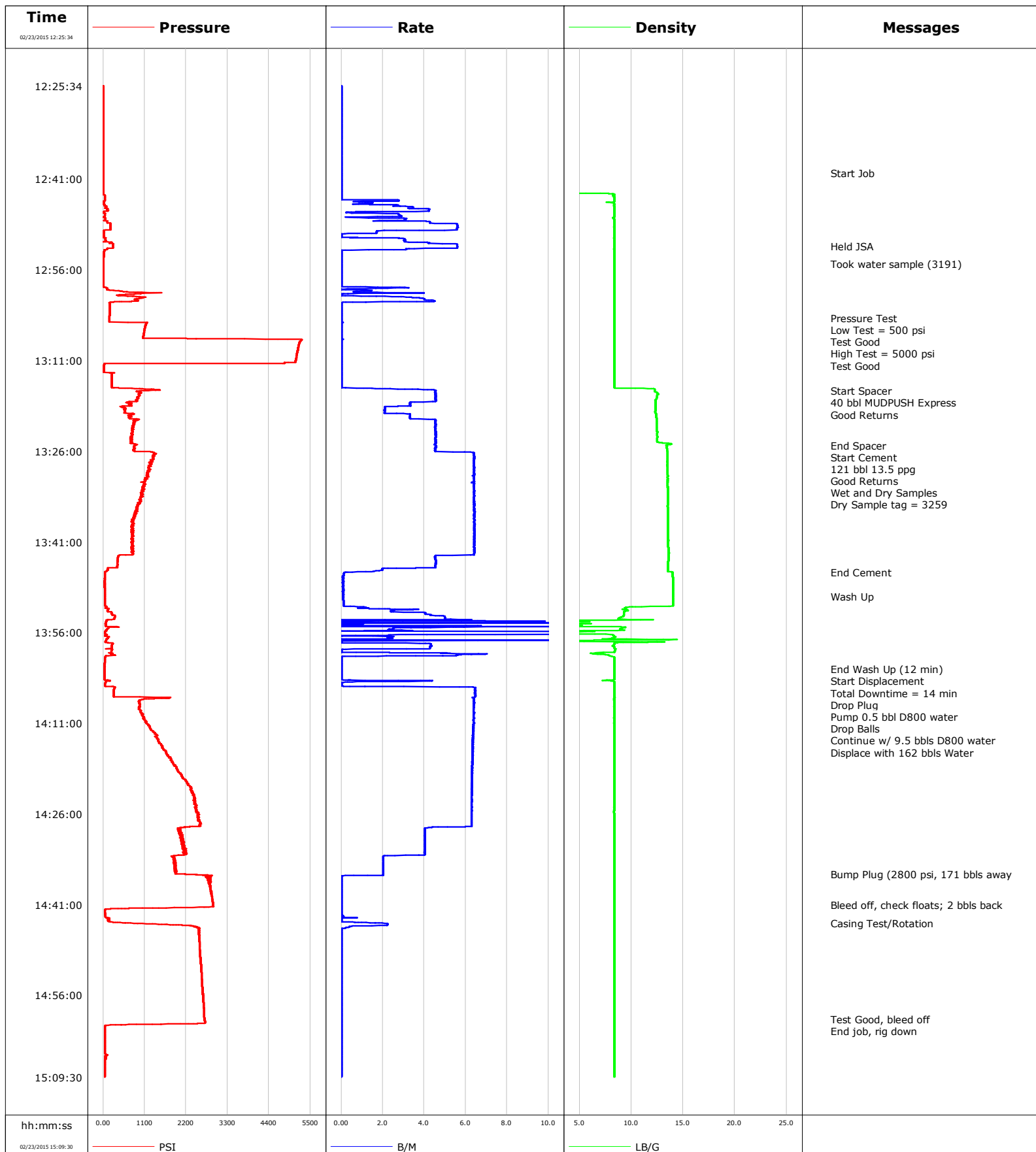


Well Ruhl 1J-32H
Field DJ
Engineer Meaghan Langley
Country United States

Client Encana
SIR No. D8FO-00122
Job Type 4 1/2 Production
Job Date 2/23/2015



Cementing Service Report

				Customer Encana			Job Number D8FO-00122				
Well Ruhl 1J-32H 0631588852			Location (legal) Ensign 135			Schlumberger Location Cheyenne			Job Start Feb/23/2015		
Field DJ		Formation Name/Type Shale		Deviation deg		Bit Size 6.1 in		Well MD 11530.0 ft		Well TVD ft	
County Weld		State/Province Colorado		BHP psi		BHST 212 degF		BHCT 212 degF		Pore Press. Gradient lb/gal	
Well Master 05123402760000		API/UWI 05123402760000									
Rig Name Ensign 135		Drilled For Oil		Service Via Land		Casing/ Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		7525.0		7.0		26.0	
						11530.0		4.5		13.5	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
Service Line Cementing		Job Type 4 1/2 Production									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Double Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
						ft		ft			
						ft		ft			
						Treat Down		Displacement bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. 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 11530.0 ft			Tool Type		
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type			Tool Depth ft		
Cement Head Type Double						Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Feb/23/2015		Arrived on Location Feb/23/2015		Leave Location Feb/23/2015		Collar Type Float			Tail Pipe Depth ft		
						Collar Depth 11477.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
02/23/2015	12:25:34	0	0.0	0.04	0.0	Started Acquisition					
02/23/2015	12:27:34	0	0.0	0.03	0.0						
02/23/2015	12:29:34	1	0.0	0.04	0.0						
02/23/2015	12:31:34	1	0.0	0.04	0.0						
02/23/2015	12:33:34	2	0.0	0.03	0.0						
02/23/2015	12:35:34	2	0.0	0.03	0.0						
02/23/2015	12:37:34	3	0.0	0.04	0.0						
02/23/2015	12:39:34	3	0.0	0.04	0.0						
02/23/2015	12:40:00	3	0.0	0.04	0.0	Start Job					
02/23/2015	12:41:34	3	0.0	0.03	0.0						
02/23/2015	12:43:34	12	0.0	8.24	0.0						
02/23/2015	12:45:34	75	3.4	8.36	2.2						
02/23/2015	12:47:34	62	3.1	8.32	7.6						
02/23/2015	12:49:34	24	1.7	8.37	16.9						
02/23/2015	12:51:34	184	4.2	8.37	20.4						
02/23/2015	12:52:00	257	5.6	8.37	22.7	Held JSA					
02/23/2015	12:53:34	15	0.0	8.36	26.1						
02/23/2015	12:55:00	11	0.0	8.36	0.0	Took water sample (3191)					
02/23/2015	12:55:34	11	0.0	8.36	0.0						
02/23/2015	12:57:34	11	0.0	8.36	0.0						
02/23/2015	12:59:34	520	0.7	8.36	1.0						

Well			Field	Job Start		Customer	Job Number
Ruhl 1J-32H 0631588852			DJ	Feb/23/2015		Encana	D8FO-00122
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/23/2015	13:03:34	171	0.0	8.36	5.3		
02/23/2015	13:04:00	169	0.0	8.36	5.3	Pressure Test	
02/23/2015	13:05:00	1134	0.0	8.36	5.4	Low Test = 500 psi	
02/23/2015	13:05:34	1110	0.0	8.36	5.4		
02/23/2015	13:07:34	5266	0.0	8.37	5.4		
02/23/2015	13:09:00	5169	0.0	8.36	5.4	High Test = 5000 psi	
02/23/2015	13:09:34	5149	0.0	8.36	5.4		
02/23/2015	13:11:34	32	0.0	8.36	5.4		
02/23/2015	13:13:34	230	0.0	8.37	0.0		
02/23/2015	13:15:34	580	1.1	9.10	0.0		
02/23/2015	13:16:00	1024	4.6	12.25	1.5	Start Spacer	
02/23/2015	13:17:00	921	4.5	12.49	6.0	40 bbl MUDPUSH Express	
02/23/2015	13:17:34	903	4.6	12.32	8.6		
02/23/2015	13:19:34	574	2.1	12.31	14.4		
02/23/2015	13:21:34	823	4.6	12.44	21.8		
02/23/2015	13:23:34	763	4.6	12.51	30.9		
02/23/2015	13:25:00	853	4.5	13.37	37.4	End Spacer	
02/23/2015	13:25:34	823	4.5	13.44	40.0		
02/23/2015	13:26:00	835	4.5	13.47	42.0	Start Cement	
02/23/2015	13:27:34	1303	6.4	13.48	51.8		
02/23/2015	13:28:00	1259	6.4	13.47	54.5	121 bbl 13.5 ppg	
02/23/2015	13:29:00	1245	6.4	13.51	60.9	Good Returns	
02/23/2015	13:29:34	1173	6.4	13.51	64.6		
02/23/2015	13:30:00	1189	6.4	13.52	67.3	Wet and Dry Samples	
02/23/2015	13:31:34	1087	6.4	13.52	77.3		
02/23/2015	13:33:34	1037	6.4	13.53	90.2		
02/23/2015	13:35:34	886	6.4	13.53	103.0		
02/23/2015	13:37:34	782	6.4	13.53	115.8		
02/23/2015	13:39:34	793	6.4	13.55	128.6		
02/23/2015	13:41:34	764	6.4	13.54	141.5		
02/23/2015	13:43:34	394	4.5	13.59	153.6		
02/23/2015	13:45:34	130	2.0	13.55	162.1		
02/23/2015	13:46:00	43	0.3	13.97	162.8	End Cement	
02/23/2015	13:47:34	40	0.1	14.02	163.0		
02/23/2015	13:49:34	40	0.1	14.03	163.1		
02/23/2015	13:50:00	40	0.1	14.03	163.2	Wash Up	
02/23/2015	13:51:34	40	0.1	14.03	163.3		
02/23/2015	13:53:34	302	5.0	8.87	169.4		
02/23/2015	13:55:34	88	2.3	9.22	176.1		
02/23/2015	13:57:34	54	0.0	12.52	191.7		
02/23/2015	13:59:34	223	7.0	6.79	197.3		
02/23/2015	14:01:34	39	0.0	8.36	0.0		
02/23/2015	14:02:00	39	0.0	8.36	0.0	End Wash Up (12 min)	
02/23/2015	14:03:34	39	0.0	8.35	0.0		
02/23/2015	14:04:00	178	4.4	8.14	0.4	Start Displacement	
02/23/2015	14:05:00	309	6.2	8.36	1.2	Pump 0.5 bbl D800 water	
02/23/2015	14:05:34	282	6.5	8.36	4.8		
02/23/2015	14:06:00	284	6.5	8.37	7.6	Continue w/ 9.5 bbls D800 water	
02/23/2015	14:07:00	1087	6.4	8.35	14.1	Displace with 162 bbls Water	
02/23/2015	14:07:34	974	6.4	8.35	17.7		
02/23/2015	14:09:34	1034	6.4	8.36	30.4		
02/23/2015	14:11:34	1231	6.4	8.35	43.2		
02/23/2015	14:13:34	1429	6.3	8.35	55.9		
02/23/2015	14:15:34	1660	6.3	8.35	68.6		

Well			Field		Job Start		Customer		Job Number	
Ruhl 1J-32H 0631588852			DJ		Feb/23/2015		Encana		D8FO-00122	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
02/23/2015	14:19:34	2084	6.3	8.35	93.9					
02/23/2015	14:21:34	2309	6.3	8.35	106.5					
02/23/2015	14:23:34	2442	6.3	8.35	119.1					
02/23/2015	14:25:34	2474	6.3	8.34	131.6					
02/23/2015	14:27:34	2585	6.3	8.35	144.2					
02/23/2015	14:29:34	2097	4.0	8.35	153.6					
02/23/2015	14:31:34	2121	4.0	8.35	161.6					
02/23/2015	14:33:34	1867	2.0	8.35	168.2					
02/23/2015	14:35:34	1900	2.0	8.35	172.3					
02/23/2015	14:36:00	2446	2.0	8.35	173.2	Bump Plug (2800 psi, 171 bbls away)				
02/23/2015	14:37:34	2806	0.0	8.35	173.5					
02/23/2015	14:39:34	2875	0.0	8.35	173.5					
02/23/2015	14:41:00	2915	0.0	8.36	173.5	Bleed off, check floats; 2 bbls back				
02/23/2015	14:41:34	1322	0.0	8.36	173.5					
02/23/2015	14:43:34	132	0.0	8.36	173.6					
02/23/2015	14:44:00	592	1.6	8.36	173.8	Casing Test/Rotation				
02/23/2015	14:45:34	2560	0.0	8.35	175.0					
02/23/2015	14:47:34	2558	0.0	8.35	175.0					
02/23/2015	14:49:34	2578	0.0	8.35	175.0					
02/23/2015	14:51:34	2601	0.0	8.35	175.0					
02/23/2015	14:53:34	2620	0.0	8.36	175.0					
02/23/2015	14:55:34	2642	0.0	8.36	175.0					
02/23/2015	14:57:34	2665	0.0	8.36	175.0					
02/23/2015	14:59:34	2682	0.0	8.36	175.0					
02/23/2015	15:00:00	2693	0.0	8.36	175.0	Test Good, bleed off				
02/23/2015	15:01:00	54	0.0	8.36	175.0	End job, rig down				
02/23/2015	15:01:34	51	0.0	8.36	175.0					
02/23/2015	15:03:34	49	0.0	8.36	175.0					
02/23/2015	15:05:34	48	0.0	8.36	175.0					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density			
	0					bbl		lb/gal			
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl		Displacement bbl	Mix Water Temp 65 degF	Cement Circulated to Surface?		Volume				
					<input checked="" type="checkbox"/>		bbl				
Customer or Authorized Representative			Schlumberger Supervisor Meaghan Langley			Washed Thru Perfs		To			
						<input type="checkbox"/>		ft			
						Circulation Lost		Job Completed			
						<input type="checkbox"/>		<input checked="" type="checkbox"/>			
						-		-			



Service Order #:	
Date:	Feb/23/2015
Operating Time (hh:mm):	00:00
Client Rep:	
Schlumberger Engineer:	Meaghan Langley
Schlumberger FSM:	Daniel Joelson

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

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	10
Sub-total					100%

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

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: