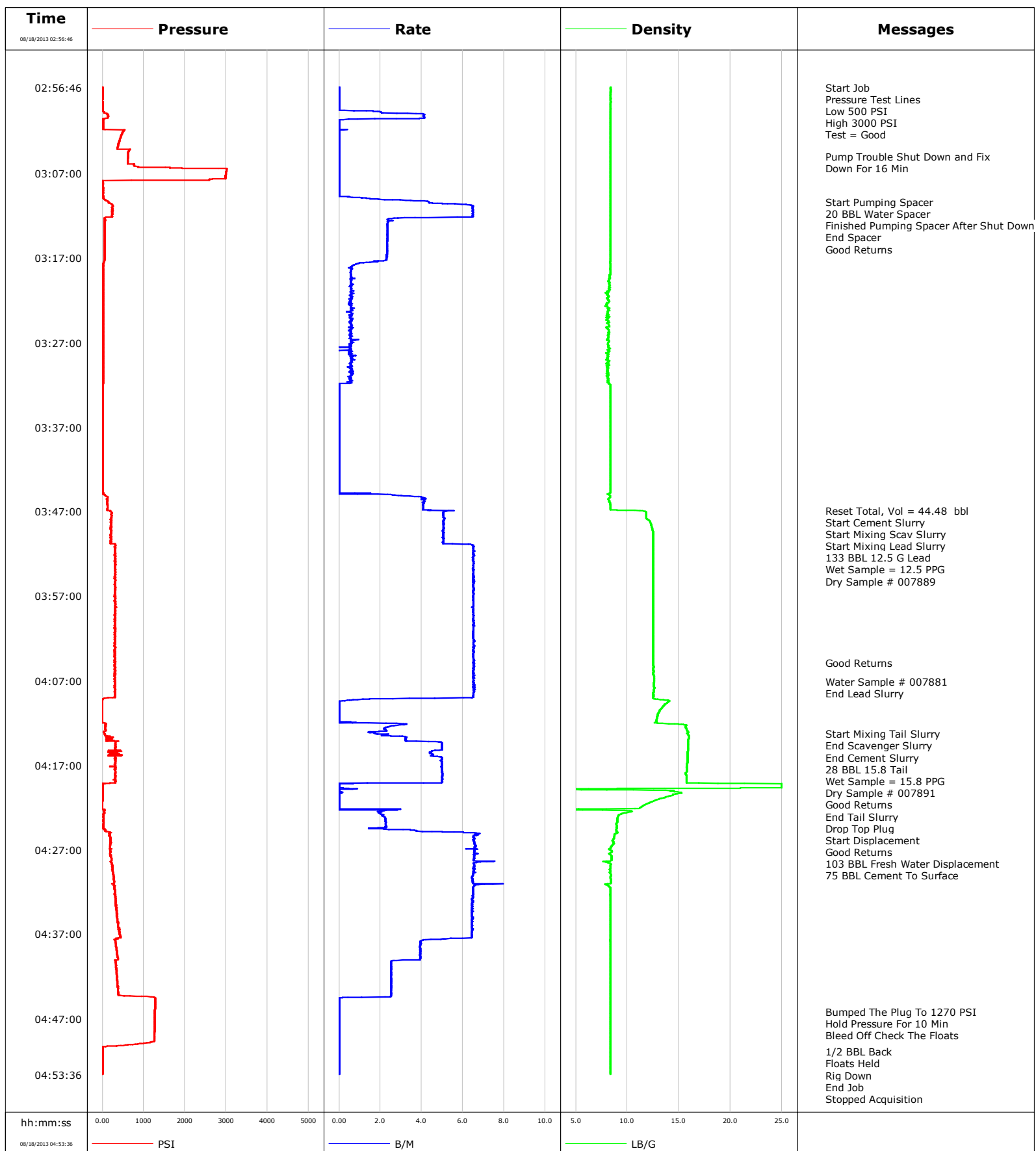


Well HMU 6-12DD
Field Mamm Creek
Engineer Cole Fairbrook/Travis Willardson
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 08-17-2013





Cementing Service Report

				Customer Encana			Job Number 6-12DD		
Well HMU 6-12DD HMU 6-12DD			Location (legal) J6SEB			Schlumberger Location Grand Junction		Job Start Aug/17/2013	
Field Mamm Creek		Formation Name/Type Dirty-Sandstone		Deviation	Bit Size 12.3 in		Well MD 1378.0 ft		Well TVD 1378.0 ft
County Garfield		State/Province Colorado		BHP	BHST 95 degF	BHCT 81 degF	Pore Press. Gradient		
Well Master 1020455		API/UWI 05045219420000							
Rig Name Nabors M15	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	40.0	16.000	65.0	N/A		N/A	
			1378.0	9.630	36.0	J55		8RD	
Drilling Fluid Type Bentonite		Max. Density	Plastic Viscosity	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 Single Cement head	Perforations/Open Hole						
			Top,	Bottom,			No. of Shots		Total Interval
Service Instructions 355 SK 12.5 Lead 133 BLL 135 Sk 15.8 Tail 28 BBL								Diameter	
			Treat Down Casing	Displacement 103.0 bbl		Packer Type		Packer Depth	
			Tubing Vol.	Casing Vol. 103.0 bbl		Annular Vol. 80.0 bbl		Openhole Vol. 190.0 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 682 psi				Shoe Type Guide			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1378.0 ft			Tool Type		
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type			Tool Depth		
Cement Head Type Single				Stage Tool Depth			Tail Pipe Size		
Job Scheduled For Aug/17/2013		Arrived on Location Aug/17/2013	Leave Location Aug/17/2013	Collar Type Float			Tail Pipe Depth		
				Collar Depth 1338.0 ft			Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/18/2013	02:56:38					Started Acquisition			
08/18/2013	02:56:46	3	0.0	8.38	0.0				
08/18/2013	02:56:47					Start Job			
08/18/2013	02:56:47	2	0.0	8.38	0.0				
08/18/2013	02:56:53					Pressure Test Lines			
08/18/2013	02:56:53	3	0.0	8.38	0.0				
08/18/2013	02:56:55					Low 500 PSI			
08/18/2013	02:56:55					High 3000 PSI			
08/18/2013	02:56:55					Test = Good			
08/18/2013	02:56:55	3	0.0	8.38	0.0				
08/18/2013	03:01:38	17	0.0	8.38	3.3				
08/18/2013	03:05:00					Pump Trouble Shut Down and Fix			
08/18/2013	03:05:00					Down For 16 Min			
08/18/2013	03:05:00	621	0.0	8.38	3.3				
08/18/2013	03:06:38	3005	0.0	8.38	3.3				
08/18/2013	03:10:21					Start Pumping Spacer			
08/18/2013	03:10:21	149	4.3	8.37	4.7				
08/18/2013	03:10:32					20 BBL Water Spacer			
08/18/2013	03:10:32	179	4.8	8.37	5.5				
08/18/2013	03:10:34					Finished Pumping Spacer After Shut Down For Repair			
08/18/2013	03:10:34	203	5.0	8.37	5.6				

Well			Field		Job Start	Customer	Job Number
HMU 6-12DD HMU 6-12DD			Mamm Creek		Aug/17/2013	Encana	6-12DD
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
08/18/2013	03:10:35	203	5.3	8.37	5.7		
08/18/2013	03:10:36					Good Returns	
08/18/2013	03:10:36	215	5.6	8.37	5.8		
08/18/2013	03:11:38	238	6.5	8.38	12.5		
08/18/2013	03:16:38	55	2.3	8.37	26.6		
08/18/2013	03:21:38	17	0.6	8.13	31.0		
08/18/2013	03:26:38	17	0.5	8.16	33.9		
08/18/2013	03:31:38	17	0.5	8.17	36.8		
08/18/2013	03:36:38	7	0.0	8.36	36.9		
08/18/2013	03:41:38	6	0.0	8.35	36.9		
08/18/2013	03:46:38	131	4.1	8.37	43.5		
08/18/2013	03:46:52					Reset Total, Vol = 44.48 bbl	
08/18/2013	03:46:52	130	4.4	9.90	44.5		
08/18/2013	03:47:00					Start Cement Slurry	
08/18/2013	03:47:00	191	5.1	11.74	0.7		
08/18/2013	03:47:07					Start Mixing Scav Slurry	
08/18/2013	03:47:07	237	5.0	11.82	1.3		
08/18/2013	03:49:15					Start Mixing Lead Slurry	
08/18/2013	03:49:15	212	5.0	12.46	12.1		
08/18/2013	03:49:19					133 BBL 12.5 G Lead	
08/18/2013	03:49:19	219	5.0	12.48	12.4		
08/18/2013	03:49:20					Wet Sample = 12.5 PPG	
08/18/2013	03:49:20					Dry Sample # 007889	
08/18/2013	03:49:20	211	5.0	12.48	12.5		
08/18/2013	03:51:38	308	6.5	12.52	25.3		
08/18/2013	03:56:38	307	6.5	12.50	57.8		
08/18/2013	04:01:38	307	6.5	12.50	90.4		
08/18/2013	04:04:53					Good Returns	
08/18/2013	04:04:53	290	6.5	12.48	111.5		
08/18/2013	04:06:38	306	6.5	12.58	123.0		
08/18/2013	04:07:08					Water Sample # 007881	
08/18/2013	04:07:08	293	6.5	12.58	126.2		
08/18/2013	04:07:53					End Lead Slurry	
08/18/2013	04:07:53	297	6.5	12.64	131.1		
08/18/2013	04:11:38	-3	0.0	12.85	139.4		
08/18/2013	04:13:17					Start Mixing Tail Slurry	
08/18/2013	04:13:17	53	1.8	15.82	142.3		
08/18/2013	04:13:22					End Scavenger Slurry	
08/18/2013	04:13:22	59	2.4	15.88	142.5		
08/18/2013	04:13:23					End Cement Slurry	
08/18/2013	04:13:23	56	2.2	15.89	142.5		
08/18/2013	04:13:28					28 BBL 15.8 Tail	
08/18/2013	04:13:28					Wet Sample = 15.8 PPG	
08/18/2013	04:13:28	64	2.1	15.94	142.7		
08/18/2013	04:13:29					Dry Sample # 007891	
08/18/2013	04:13:29					Good Returns	
08/18/2013	04:13:29	62	2.1	15.95	142.8		
08/18/2013	04:16:38	313	5.0	15.84	156.7		
08/18/2013	04:18:48					End Tail Slurry	
08/18/2013	04:18:48	315	5.0	15.74	167.6		
08/18/2013	04:18:51					Drop Top Plug	
08/18/2013	04:18:51	322	5.0	15.74	167.8		
08/18/2013	04:19:02					Start Displacement	
08/18/2013	04:19:02	302	5.0	15.73	168.7		

Well			Field		Job Start		Customer		Job Number	
HMU 6-12DD HMU 6-12DD			Mamm Creek		Aug/17/2013		Encana		6-12DD	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
08/18/2013	04:19:04							103 BBL Fresh Water Displacement		
08/18/2013	04:19:04	314		5.0	15.73		168.9			
08/18/2013	04:19:05							75 BBL Cement To Surface		
08/18/2013	04:19:05	314		5.0	15.73		169.0			
08/18/2013	04:21:38	-10		0.0	11.84		169.3			
08/18/2013	04:26:38	186		6.6	8.43		186.7			
08/18/2013	04:31:38	301		6.5	8.36		219.6			
08/18/2013	04:36:38	404		6.4	8.37		251.9			
08/18/2013	04:41:38	352		2.5	8.37		271.7			
08/18/2013	04:46:11							Bumped The Plug To 1270 PSI		
08/18/2013	04:46:11							Hold Pressure For 10 Min		
08/18/2013	04:46:11	1273		0.0	8.38		278.8			
08/18/2013	04:46:12							Bleed Off Check The Floats		
08/18/2013	04:46:12	1273		0.0	8.38		278.8			
08/18/2013	04:46:38	1271		0.0	8.37		278.8			
08/18/2013	04:50:53							1/2 BBL Back		
08/18/2013	04:50:53							Floats Held		
08/18/2013	04:50:53	4		0.0	8.38		278.8			
08/18/2013	04:51:37							Rig Down		
08/18/2013	04:51:37	4		0.0	8.38		278.8			
08/18/2013	04:51:38	3		0.0	8.38		278.8			
08/18/2013	04:52:11							End Job		
08/18/2013	04:52:11	2		0.0	8.38		278.8			

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent	Designed Slurry Volume 161.0 bbl		Displacement	Mix Water Temp 78 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume	
					Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Vlad Kochetov			Schlumberger Supervisor Cole Fairbrook/Travis Willardson			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-



Service Order #:	1
Date:	Aug/17/2013
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Cole Fairbrook/Travis Willardson
Schlumberger FSM:	

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

2	Design / Preparation					
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2b	Equipment maintenance schedule completed / Green tagged	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2c	All materials and equipment required for job/contingency checked & on location	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2d	Safety / pre-job meeting conducted with all involved present	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
					Sub-total	100%

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%

Total	100%
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Client:	Schlumberger:
Client Signature:	Schlumberger Signature: