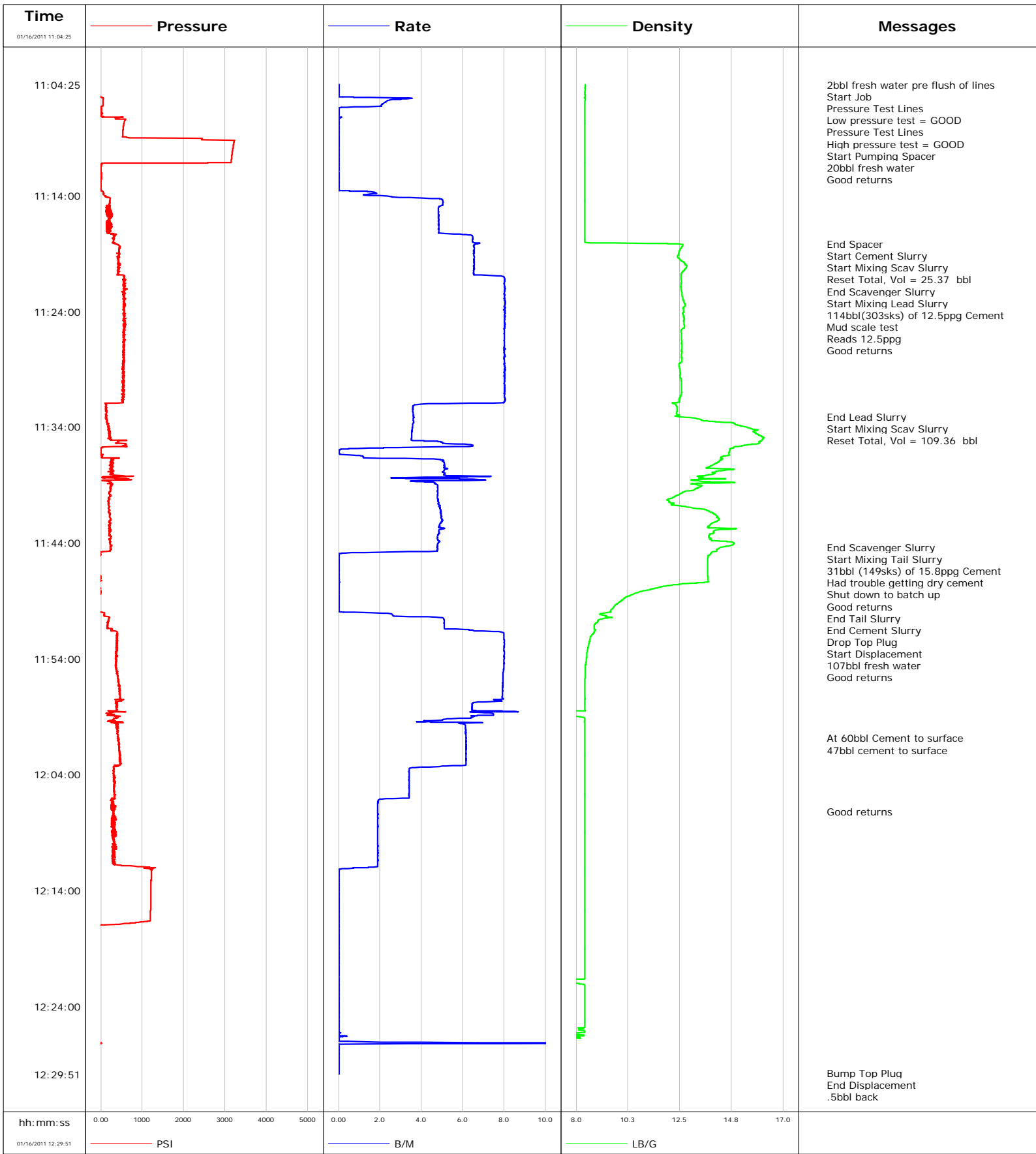


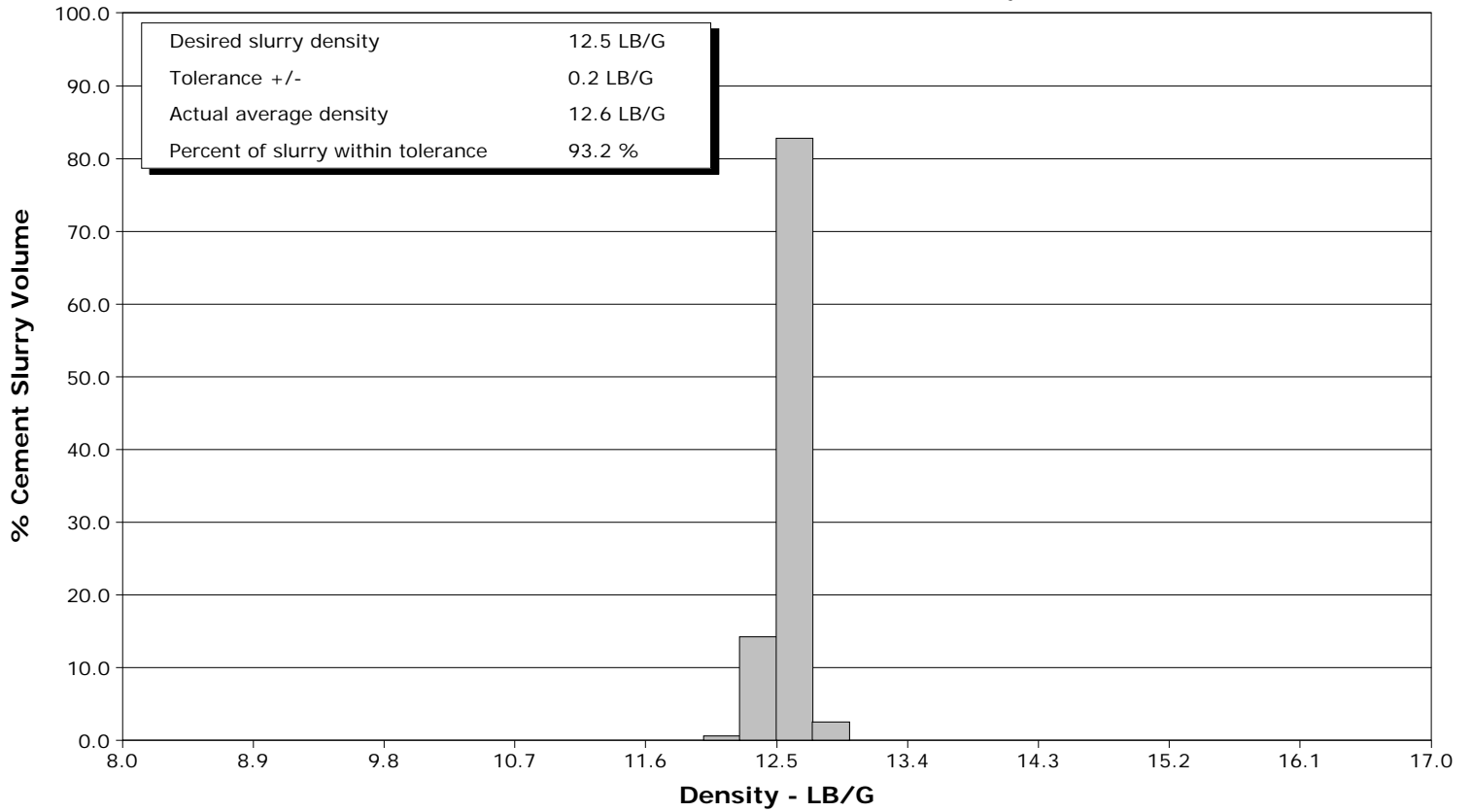
Well	Benjamin Federal 28 12C2	Client	Encana Oil Gas
Field	Mamm Creek	SIR No.	000471052
Engineer	Dustin C Krueger	Job Type	9 5/8 1434ft Surface
Country	United States	Job Date	01-16-2011



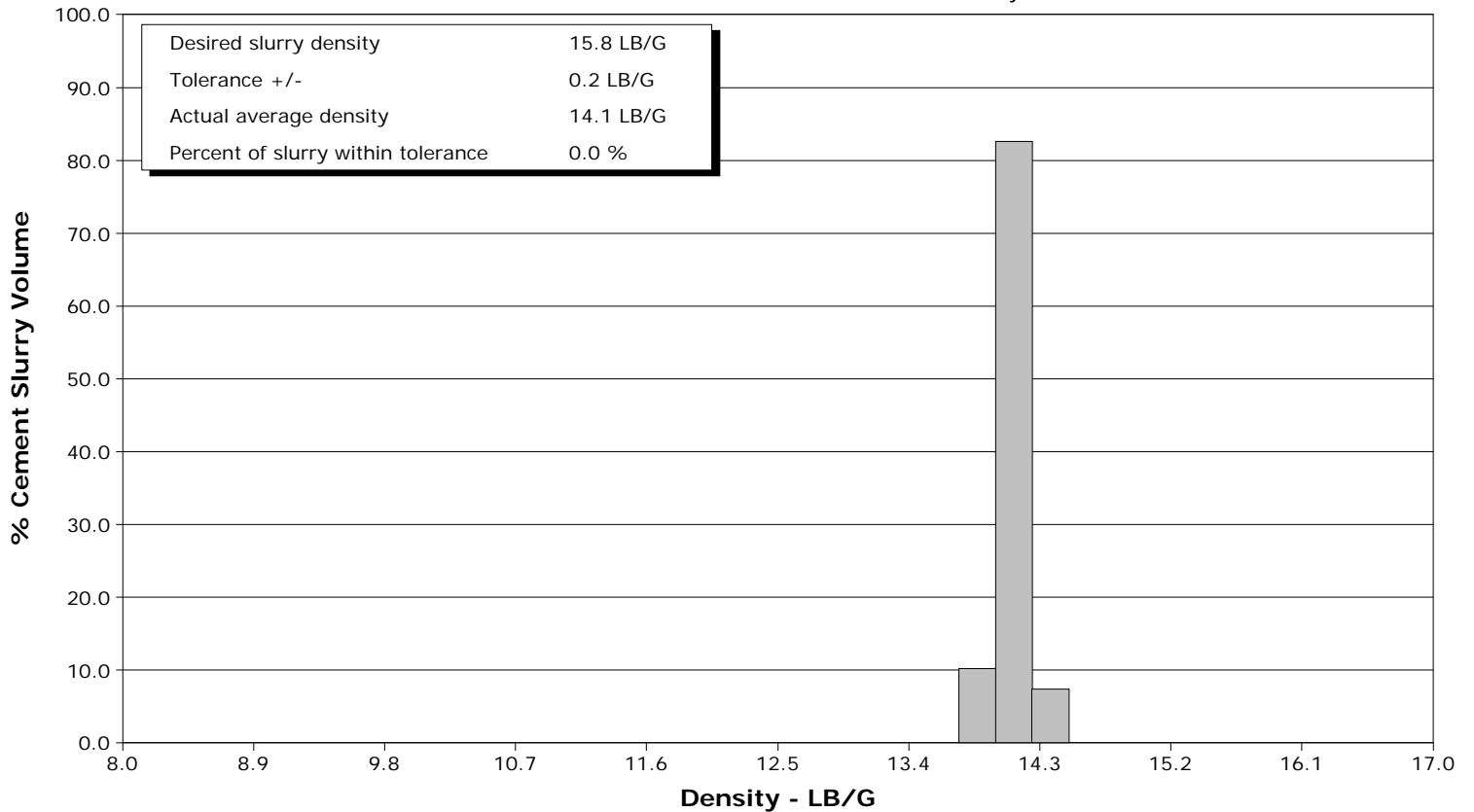
Well Benjamin Federal 28 12C2
Field Mamm Creek
Engineer Dustin C Krueger
Country United States

Client Encana Oil Gas
SIR No. 000471052
Job Type 9 5/8 1434ft Surface
Job Date 01-16-2011

Lead Slurry - 01/16/2011 11:18:46 to 01/16/2011 11:33:04



Tail Slurry - 01/16/2011 11:44:22 to 01/16/2011 11:45:21





Cementing Service Report

Customer Encana Oil & Gas	Job Number 000471052
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Well Benjamin Federal 28 12C2 Benjamin Federal 28 12C2	Location (legal) Nabors M-15	Schlumberger Location GRAND JUNCTION	Job Start Jan/16/2011
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Field Mamm Creek	Formation Name/Type Shale	Deviation 0 deg	Bit Size 12.3 in	Well MD 1434.0 ft	Well TVD 1434.0 ft
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County Garfield	State/Province Colorado	BHP	BHST 98 degF	BHCT 90 degF	Pore Press. Gradient
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Well Master 0631233190	API/UWI 05045201840000		Casing/Liner		
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Rig Name NABORS M-15	Drilled For Gas	Service Via Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
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Offshore Zone	Well Class New	Well Type New Well Completion	40.0	16.000	65.0	N/A	N/A
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Drilling Fluid Type Bentonite	Max. Density 8.90 lb/gal	Plastic Viscosity 16.000 cP	Tubing/Drill Pipe				
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Service Line Cementing	Job Type 9 5/8 1434ft Surface	Perforations/Open Hole				
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Max. Allowed Tub. Press 3000 psi	Max. Allowed Ann. Press 1500 psi	WH Connection Single Cement head	Top,	Bottom,	No. of Shots	Total Interval
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Service Instructions Cement 9 5/8" surface casing @ 1434'ft in 12 1/4" OH with 20 bbl Water Spacer 114bbl (303sks) 12.5 ppg Lead 31bbl (149 sks) 15.8 ppg Tail Displace with water						
Treat Down Casing	Displacement 107.3 bbl	Packer Type	Packer Depth			
Tubing Vol.	Casing Vol. 110.9 bbl	Annular Vol. 83.0 bbl	Openhole Vol. 196.0 bbl			

Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>	Casing Tools	Squeeze Job
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Lift Pressure 650 psi	Shoe Type Guide	Squeeze Type
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Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth 1434.0 ft	Tool Type
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No. Centralizers 16	Top Plugs 1	Bottom Plugs 0	Stage Tool Type	Tool Depth
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Cement Head Type Single	Stage Tool Depth	Tail Pipe Size
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Job Scheduled For Jan/15/2011 14:00	Arrived on Location Jan/15/2011 14:00	Leave Location Jan/16/2011 13:00	Collar Type Float	Tail Pipe Depth
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Collar Depth 1388.0 ft	Sqz. Total Vol.
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Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
01/01/1970	00:00:00					Pre Job Safety Meeting
01/16/2011	10:39:48					Started Acquisition
01/16/2011	11:04:25	-13	0.0	8.39	0.0	
01/16/2011	11:04:27					2bbl fresh water pre flush of lines
01/16/2011	11:04:27	-13	0.0	8.39	0.0	
01/16/2011	11:04:30					Start Job
01/16/2011	11:04:30	-12	0.0	8.39	0.0	
01/16/2011	11:04:33					Pressure Test Lines
01/16/2011	11:04:33	-12	0.0	8.39	0.0	
01/16/2011	11:04:36					Low pressure test = GOOD
01/16/2011	11:04:36	-12	0.0	8.39	0.0	
01/16/2011	11:04:38					Pressure Test Lines
01/16/2011	11:04:38	-12	0.0	8.39	0.0	
01/16/2011	11:04:40					High pressure test = GOOD
01/16/2011	11:04:40	-12	0.0	8.39	0.0	
01/16/2011	11:04:45					Start Pumping Spacer
01/16/2011	11:04:45	-13	0.0	8.39	0.0	
01/16/2011	11:04:49					20bbl fresh water
01/16/2011	11:04:49					Good returns
01/16/2011	11:04:49	-13	0.0	8.39	0.0	
01/16/2011	11:05:00	-13	0.0	8.39	0.0	

Well		Field		Job Start	Customer		Job Number
Benjamin Federal 28 12C2 Benjamin Federal 28 12C2		Mamm Creek		Jan/16/2011	Encana Oil & Gas		000471052
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/16/2011	11:10:00	3186	0.0	8.38	2.0		
01/16/2011	11:12:30	0	0.0	8.38	2.0		
01/16/2011	11:15:00	209	4.8	8.38	7.0		
01/16/2011	11:17:30	335	6.5	8.37	19.4		
01/16/2011	11:18:10					End Spacer	
01/16/2011	11:18:10	344	6.7	11.97	23.7		
01/16/2011	11:18:15					Start Cement Slurry	
01/16/2011	11:18:15	411	6.6	12.63	24.3		
01/16/2011	11:18:17					Start Mixing Scav Slurry	
01/16/2011	11:18:17	430	6.5	12.63	24.5		
01/16/2011	11:18:25					Reset Total, Vol = 25.37 bbl	
01/16/2011	11:18:25	459	6.5	12.60	25.4		
01/16/2011	11:18:43					End Scavenger Slurry	
01/16/2011	11:18:43	435	6.5	12.52	27.3		
01/16/2011	11:18:46					Start Mixing Lead Slurry	
01/16/2011	11:18:46	447	6.5	12.50	27.7		
01/16/2011	11:18:54					114bbl(303sks) of 12.5ppg Cement	
01/16/2011	11:18:54					Mud scale test	
01/16/2011	11:18:54	448	6.5	12.46	28.5		
01/16/2011	11:18:55					Reads 12.5ppg	
01/16/2011	11:18:55	429	6.5	12.46	28.6		
01/16/2011	11:18:56					Good returns	
01/16/2011	11:18:56	429	6.6	12.46	28.8		
01/16/2011	11:20:00	448	6.5	12.75	35.7		
01/16/2011	11:22:30	587	8.0	12.59	54.4		
01/16/2011	11:25:00	564	8.0	12.69	74.5		
01/16/2011	11:27:30	533	8.0	12.59	94.5		
01/16/2011	11:30:00	564	8.0	12.56	114.6		
01/16/2011	11:32:30	126	3.6	12.39	132.3		
01/16/2011	11:33:04					End Lead Slurry	
01/16/2011	11:33:04	123	3.6	12.39	134.3		
01/16/2011	11:33:07					Start Mixing Scav Slurry	
01/16/2011	11:33:07	128	3.6	12.50	134.5		
01/16/2011	11:33:11					Reset Total, Vol = 109.36 bbl	
01/16/2011	11:33:11	118	3.6	12.92	134.7		
01/16/2011	11:35:00	220	3.5	16.11	141.2		
01/16/2011	11:37:30	275	5.1	13.69	149.5		
01/16/2011	11:40:00	225	4.8	12.27	162.0		
01/16/2011	11:42:30	204	4.9	13.79	174.2		
01/16/2011	11:44:22					End Scavenger Slurry	
01/16/2011	11:44:22					Start Mixing Tail Slurry	
01/16/2011	11:44:22	238	4.8	14.36	183.2		
01/16/2011	11:45:00	-10	0.0	13.83	185.3		
01/16/2011	11:45:17					31bbl (149sks) of 15.8ppg Cement	
01/16/2011	11:45:17	-15	0.0	13.72	185.3		
01/16/2011	11:45:18					Had trouble getting dry cement	
01/16/2011	11:45:18					Shut down to batch up	
01/16/2011	11:45:18					Good returns	
01/16/2011	11:45:18	-14	0.0	13.72	185.3		
01/16/2011	11:45:21					End Tail Slurry	
01/16/2011	11:45:21	-15	0.0	13.71	185.3		
01/16/2011	11:45:24					End Cement Slurry	
01/16/2011	11:45:24	-14	0.0	13.71	185.3		
01/16/2011	11:45:26					Drop Top Plug	

Well		Field		Job Start		Customer		Job Number	
Benjamin Federal 28 12C2 Benjamin Federal 28 12C2		Mamm Creek		Jan/16/2011		Encana Oil & Gas		000471052	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/16/2011	11:45:29					Start Displacement			
01/16/2011	11:45:29	-14	0.0	13.71	185.3				
01/16/2011	11:45:32					107bbl fresh water			
01/16/2011	11:45:32					Good returns			
01/16/2011	11:45:32	-14	0.0	13.71	185.3				
01/16/2011	11:47:30	-21	0.0	12.79	185.3				
01/16/2011	11:50:00	34	0.8	9.44	185.3				
01/16/2011	11:52:30	389	8.0	8.58	199.8				
01/16/2011	11:55:00	391	8.0	8.40	219.8				
01/16/2011	11:57:30	335	7.7	8.38	239.6				
01/16/2011	12:00:00	383	6.1	8.37	255.8				
01/16/2011	12:00:51					At 60bbl Cement to surface			
01/16/2011	12:00:51	429	6.2	8.37	261.0				
01/16/2011	12:00:52					47bbl cement to surface			
01/16/2011	12:00:52	419	6.2	8.37	261.1				
01/16/2011	12:02:30	463	6.2	8.37	271.1				
01/16/2011	12:05:00	311	3.4	8.37	281.9				
01/16/2011	12:07:12					Good returns			
01/16/2011	12:07:12	310	1.9	8.37	287.7				
01/16/2011	12:07:30	301	1.9	8.37	288.2				
01/16/2011	12:10:00	334	1.9	8.37	293.0				
01/16/2011	12:12:30	1221	0.0	8.37	296.9				
01/16/2011	12:15:00	1204	0.0	8.37	296.9				
01/16/2011	12:17:30	-29	0.0	8.37	296.9				
01/16/2011	12:20:00	-32	0.0	8.38	296.9				
01/16/2011	12:22:30	-31	0.0	8.37	296.9				
01/16/2011	12:25:00	-30	0.0	8.38	296.9				
01/16/2011	12:27:30	-29	0.0	0.00	298.4				
01/16/2011	12:29:44					Bump Top Plug			
01/16/2011	12:29:44	-29	0.0	-0.00	298.4				
01/16/2011	12:29:46					End Displacement			
01/16/2011	12:29:46	-28	0.0	-0.00	298.4				
01/16/2011	12:29:47					.5bbl back			
01/16/2011	12:29:47					Float Held			
01/16/2011	12:29:47	-28	0.0	-0.00	298.4				

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.1		0.0	8.1	145.0	0.0	20.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3000	600	377	1200		FreshWater	313.0 bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	
	145.0 bbl		107.0 bbl	70 degF	<input checked="" type="checkbox"/>	47.0 bbl	
					Washed Thru Perfs	To	
					<input type="checkbox"/>		
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed
Robert Tate			Dustin C Krueger			<input type="checkbox"/>	<input checked="" type="checkbox"/>
						-	-