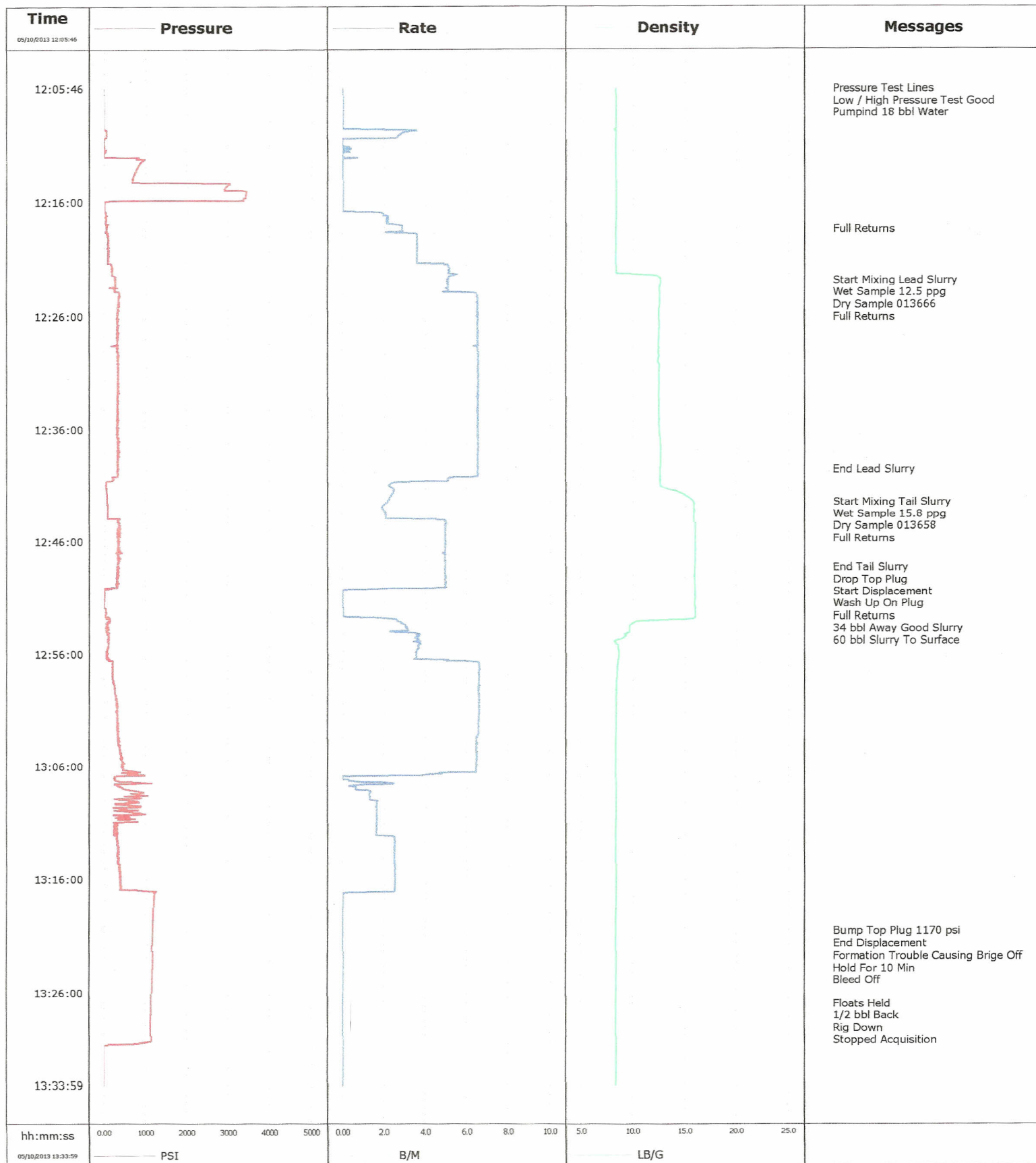


Well	ALP EE 24-12AA	Client	EnCana
Field	Mamm Creek	SIR No.	CFAJ-00429
Engineer	Travis Willardson / Cole Fairbrook	Job Type	9 5/8 Surface
Country	United States	Job Date	05-10-2013

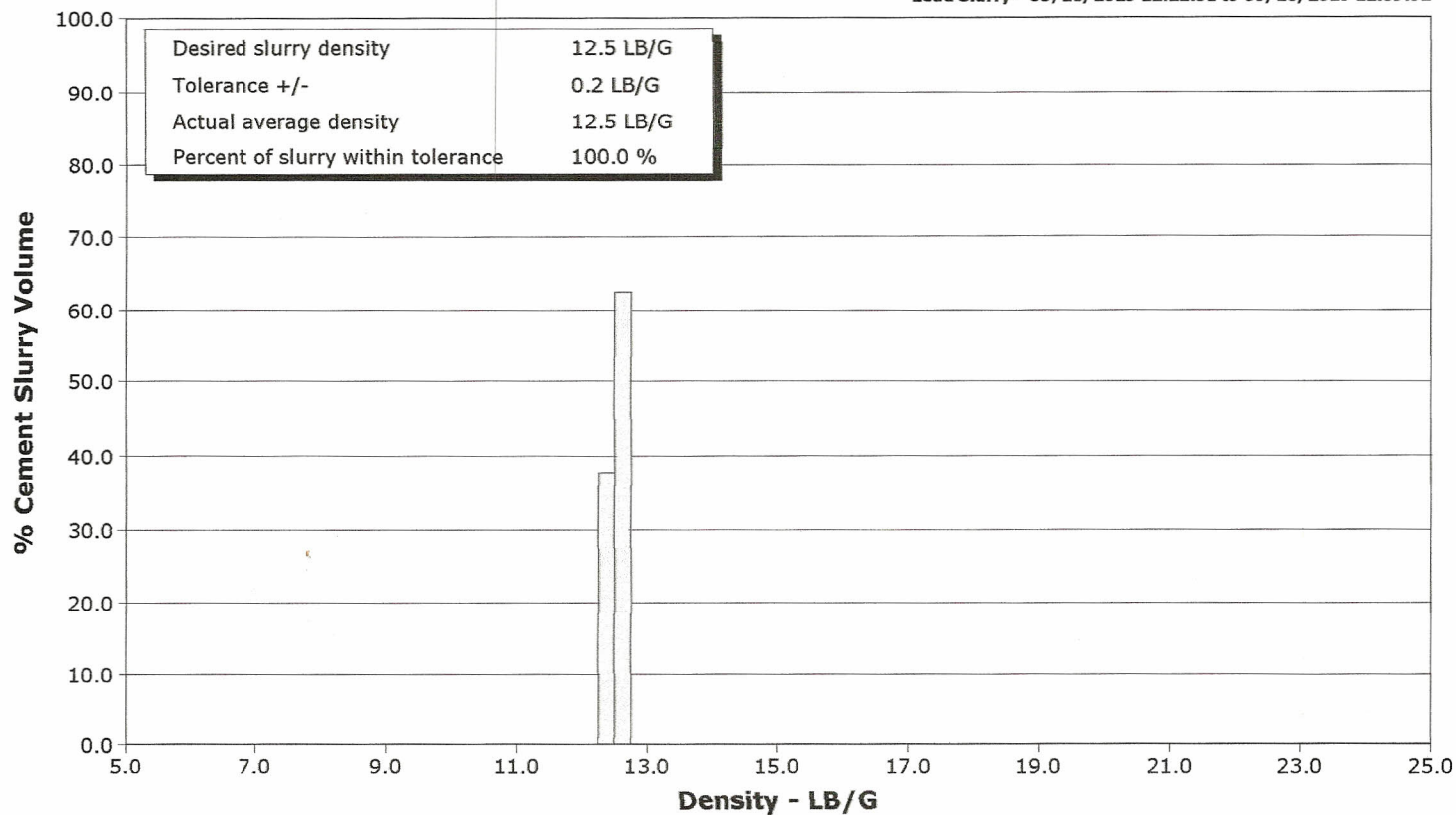


Schlumberger Cementing Qa/Qc Density Report

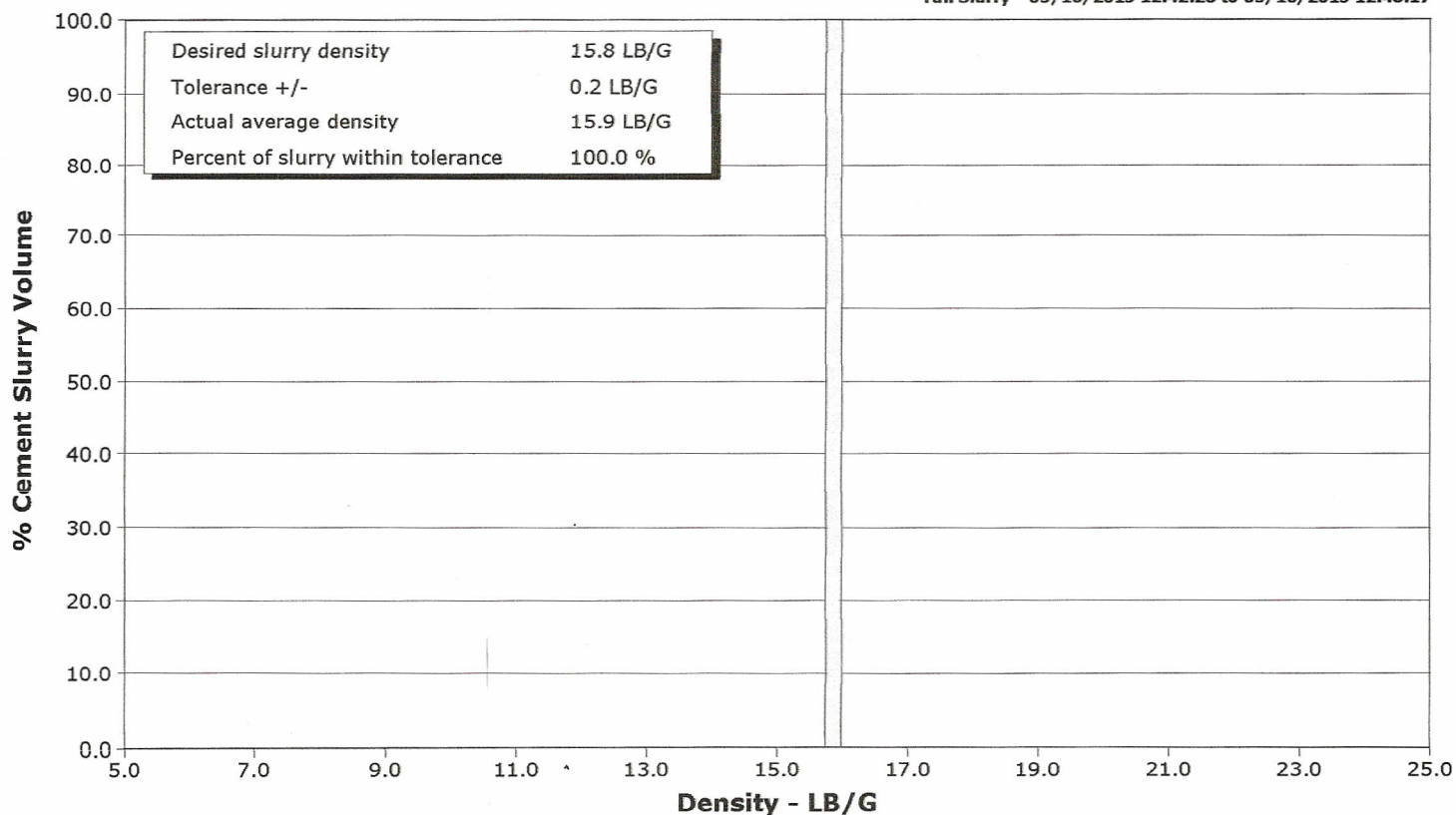
Well ALP FEE 24-12AA
Field Mamm Creek
Engineer Travis Willardson / Cole Fairbrook
Country United States

Client EnCana
SIR No. CFAJ-00429
Job Type 9 5/8 Surface
Job Date 05-10-2013

Lead Slurry - 05/10/2013 12:22:51 to 05/10/2013 12:39:32



Tail Slurry - 05/10/2013 12:42:28 to 05/10/2013 12:48:17



Cementing Service Report

				Customer EnCana				Job Number CFAJ-00429			
Well <i>Federal</i> ALP FEE 24-12AA 24-12AA			Location (legal) J24NW			Schlumberger Location Grand Junction			Job Start May/10/2013		
Field Mamm Creek		Formation Name/Type Dirty-Sandstone		Deviation		Bit Size 12.3 in		Well MD 1267.0 ft		Well TVD	
County Garfield		State/Province Colorado		BHP		BHST 97 degF		BHCT 86 degF		Pore Press. Gradient	
Well Master 0631429180		API/UWI 05045218010000									
Rig Name Nabors M15		Drilled For Gas		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
						40.0		16.000		65.0	
						1267.0		9.630		36.0	
										Grade	
										N/A	
										Thread	
										N/A	
										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	
										Diameter	
						Treat Down Casing		Displacement 94.0 bbl		Packer Type	
										Packer Depth	
						Tubing Vol.		Casing Vol.		Annular Vol. 74.0 bbl	
										Openhole Vol. 175.0 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 627 psi						Shoe Type Float		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1267.0 ft		Tool Type			
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type		Tool Depth			
Cement Head Type Single						Stage Tool Depth		Tail Pipe Size			
Job Scheduled For May/10/2013		Arrived on Location May/10/2013		Leave Location May/10/2013		Collar Type Float		Tail Pipe Depth			
						Collar Depth 1221.0 ft		Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
05/10/2013	11:02:21					Started Acquisition					
05/10/2013	12:05:46	-2	0.0	8.37	0.0						
05/10/2013	12:05:50					Pressure Test Lines					
05/10/2013	12:05:50	-2	0.0	8.37	0.0						
05/10/2013	12:05:53					Low / High Pressure Test Good					
05/10/2013	12:05:53					Pumpind 18 bbl Water					
05/10/2013	12:05:53	-2	0.0	8.37	0.0						
05/10/2013	12:09:01	-7	0.0	8.37	0.0						
05/10/2013	12:12:21	896	0.0	8.37	2.4						
05/10/2013	12:15:41	3345	0.0	8.37	2.4						
05/10/2013	12:18:21					Full Returns					
05/10/2013	12:18:21	55	2.9	8.37	6.0						
05/10/2013	12:19:01	87	3.6	8.37	8.1						
05/10/2013	12:22:21	195	5.3	11.46	21.7						
05/10/2013	12:22:51					Start Mixing Lead Slurry					
05/10/2013	12:22:51	256	5.1	12.65	24.3						
05/10/2013	12:22:55					Wet Sample 12.5 ppg					
05/10/2013	12:22:55	266	5.1	12.65	24.6						
05/10/2013	12:22:57					Dry Sample 013666					
05/10/2013	12:22:57	256	5.0	12.65	24.8						
05/10/2013	12:24:04					Full Returns					

Well			Field	Job Start		Customer	Job Number
ALP FEE 24-12AA 24-12AA			Mamm Creek	May/10/2013		EnCana	CFA)-00429
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/10/2013	12:25:41	312	6.5	12.51	41.2		
05/10/2013	12:29:01	324	6.5	12.44	62.8		
05/10/2013	12:32:21	341	6.5	12.44	84.5		
05/10/2013	12:35:41	316	6.5	12.52	106.2		
05/10/2013	12:39:01	324	6.5	12.62	127.8		
05/10/2013	12:39:32					End Lead Slurry	
05/10/2013	12:39:32	317	6.5	12.61	131.2		
05/10/2013	12:42:21	82	2.2	15.75	141.4		
05/10/2013	12:42:28					Start Mixing Tail Slurry	
05/10/2013	12:42:28	83	2.1	15.85	141.7		
05/10/2013	12:42:32					Wet Sample 15.8 ppg	
05/10/2013	12:42:32	84	2.1	15.90	141.8		
05/10/2013	12:42:33					Dry Sample 013658	
05/10/2013	12:42:33	84	2.1	15.90	141.8		
05/10/2013	12:43:25					Full Returns	
05/10/2013	12:43:25	93	2.1	15.90	143.6		
05/10/2013	12:45:41	339	4.9	15.91	153.3		
05/10/2013	12:48:17					End Tail Slurry	
05/10/2013	12:48:17	365	4.9	15.93	166.1		
05/10/2013	12:48:20					Drop Top Plug	
05/10/2013	12:48:20	345	5.0	15.93	166.3		
05/10/2013	12:48:21					Start Displacement	
05/10/2013	12:48:21	326	4.9	15.93	166.4		
05/10/2013	12:48:22					Wash Up On Plug	
05/10/2013	12:48:22	354	4.9	15.93	166.5		
05/10/2013	12:48:24					Full Returns	
05/10/2013	12:48:24	332	5.0	15.93	166.7		
05/10/2013	12:48:25					34 bbl Away Good Slurry	
05/10/2013	12:48:25	332	5.0	15.93	166.7		
05/10/2013	12:48:26					60 bbl Slurry To Surface	
05/10/2013	12:48:26	313	5.0	15.93	166.8		
05/10/2013	12:49:01	350	5.0	15.91	169.7		
05/10/2013	12:52:21	37	0.0	15.94	175.5		
05/10/2013	12:55:41	57	3.5	8.64	185.3		
05/10/2013	12:59:01	264	6.6	8.39	204.9		
05/10/2013	13:02:21	336	6.5	8.37	226.7		
05/10/2013	13:05:41	475	6.5	8.37	248.3		
05/10/2013	13:09:01	583	1.6	8.37	256.8		
05/10/2013	13:12:21	318	2.5	8.38	262.5		
05/10/2013	13:15:41	361	2.5	8.38	270.9		
05/10/2013	13:19:01	1182	0.0	8.38	274.3		
05/10/2013	13:20:27					Bump Top Plug 1170 psi	
05/10/2013	13:20:27	1174	0.0	8.38	274.3		
05/10/2013	13:20:28					End Displacement	
05/10/2013	13:20:28	1174	0.0	8.38	274.3		
05/10/2013	13:20:31					Formation Trouble Causing Brige Off	
05/10/2013	13:20:31					Hold For 10 Min	
05/10/2013	13:20:31	1174	0.0	8.38	274.3		
05/10/2013	13:21:49					Bleed Off	
05/10/2013	13:21:49	1166	0.0	8.38	274.3		
05/10/2013	13:22:21	1163	0.0	8.38	274.3		
05/10/2013	13:25:41	1144	0.0	8.38	274.3		
05/10/2013	13:26:56					Floats Held	
05/10/2013	13:26:56					1/2 bbl Back	

Well ALP FEE 24-12AA 24-12AA			Field Mamm Creek		Job Start May/10/2013		Customer EnCana		Job Number CFA)-00429	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/10/2013	13:26:57						Rig Down			
05/10/2013	13:26:57	1136		0.0	8.38	274.3				
05/10/2013	13:29:01	1124		0.0	8.38	274.3				
05/10/2013	13:32:21	-4		0.0	8.38	274.3				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.6	N2	Mud 0.0	Maximum Rate 6.6		Total Slurry 155.0	Mud 0.0	Spacer 0.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3419	Final -3	Average 487	Bump Plug to 1337	Breakdown	Type	Volume 250.0 bbl	Density	
Avg. N2 Percent		Designed Slurry Volume 149.0 bbl	Displacement 95.0 bbl	Mix Water Temp 58 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 60.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Tony Ketterling			Schlumberger Supervisor Travis Willardson / Cole Fairbrook			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	