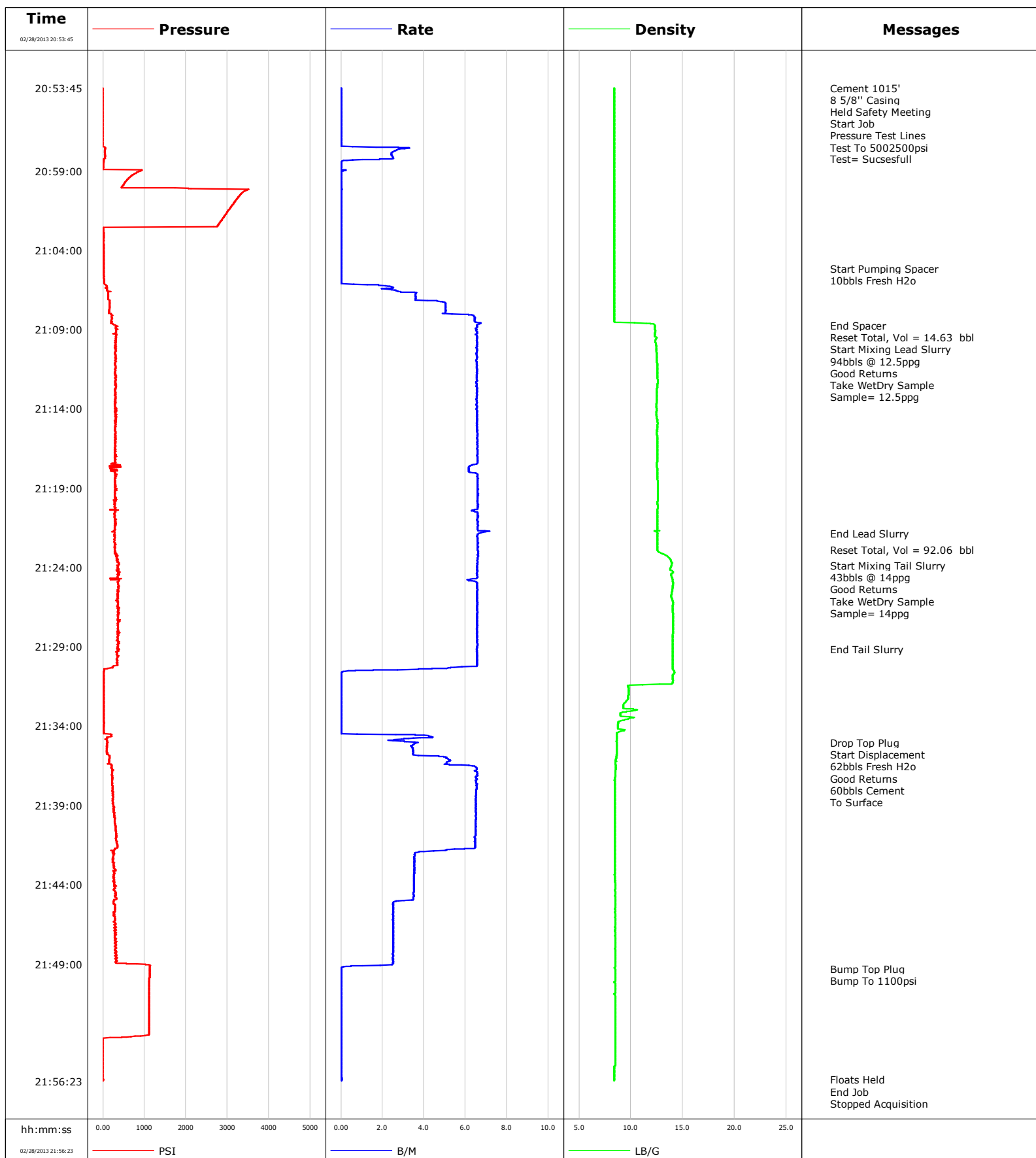


Well CURREY FEDERAL A 15-4
Field COLLBURN
Engineer
Country United States

Client AXIA
SIR No. C610-01131
Job Type SURFACE
Job Date 02-28-2013



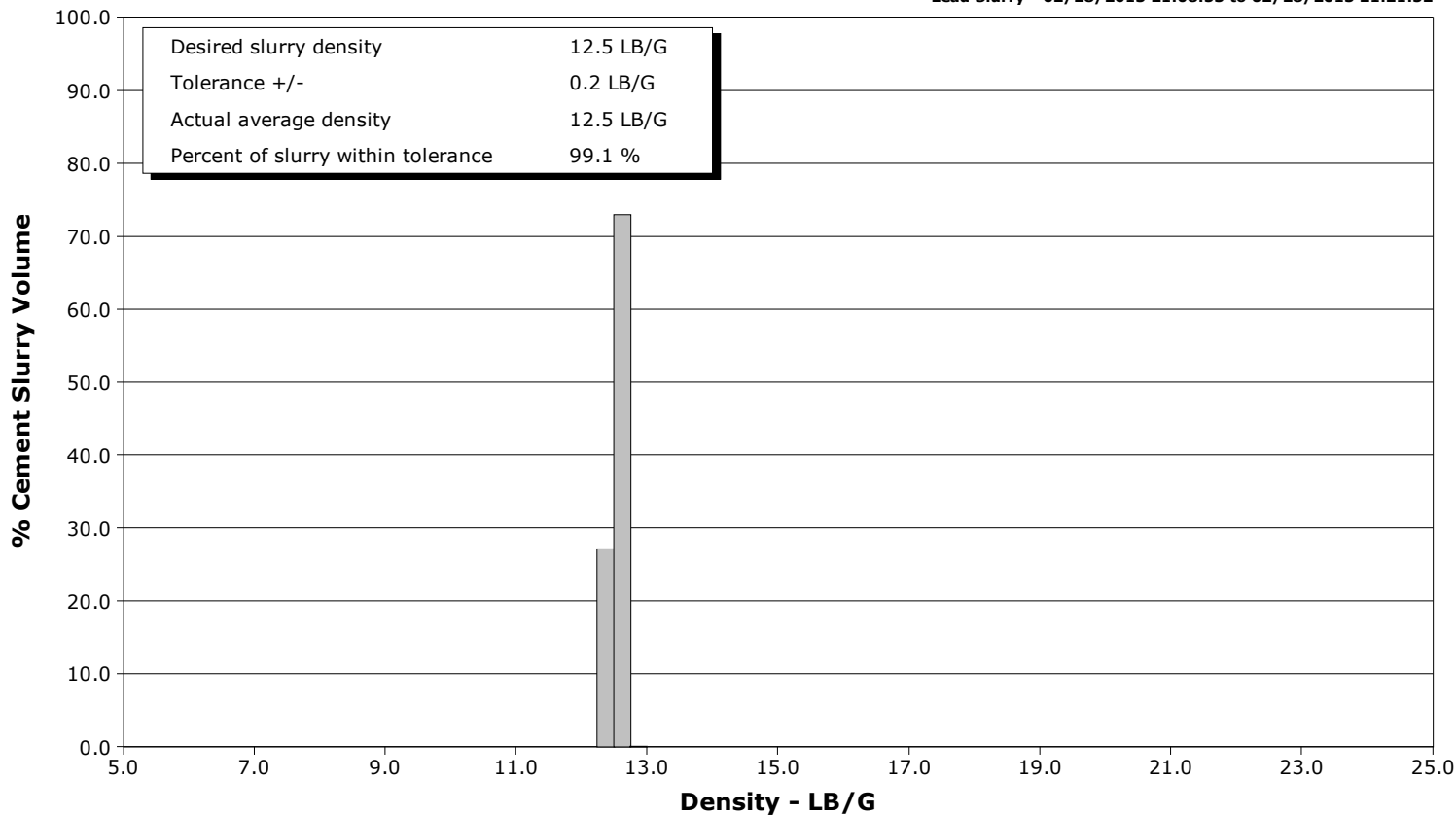
Schlumberger

Cementing Qa/Qc Density Report

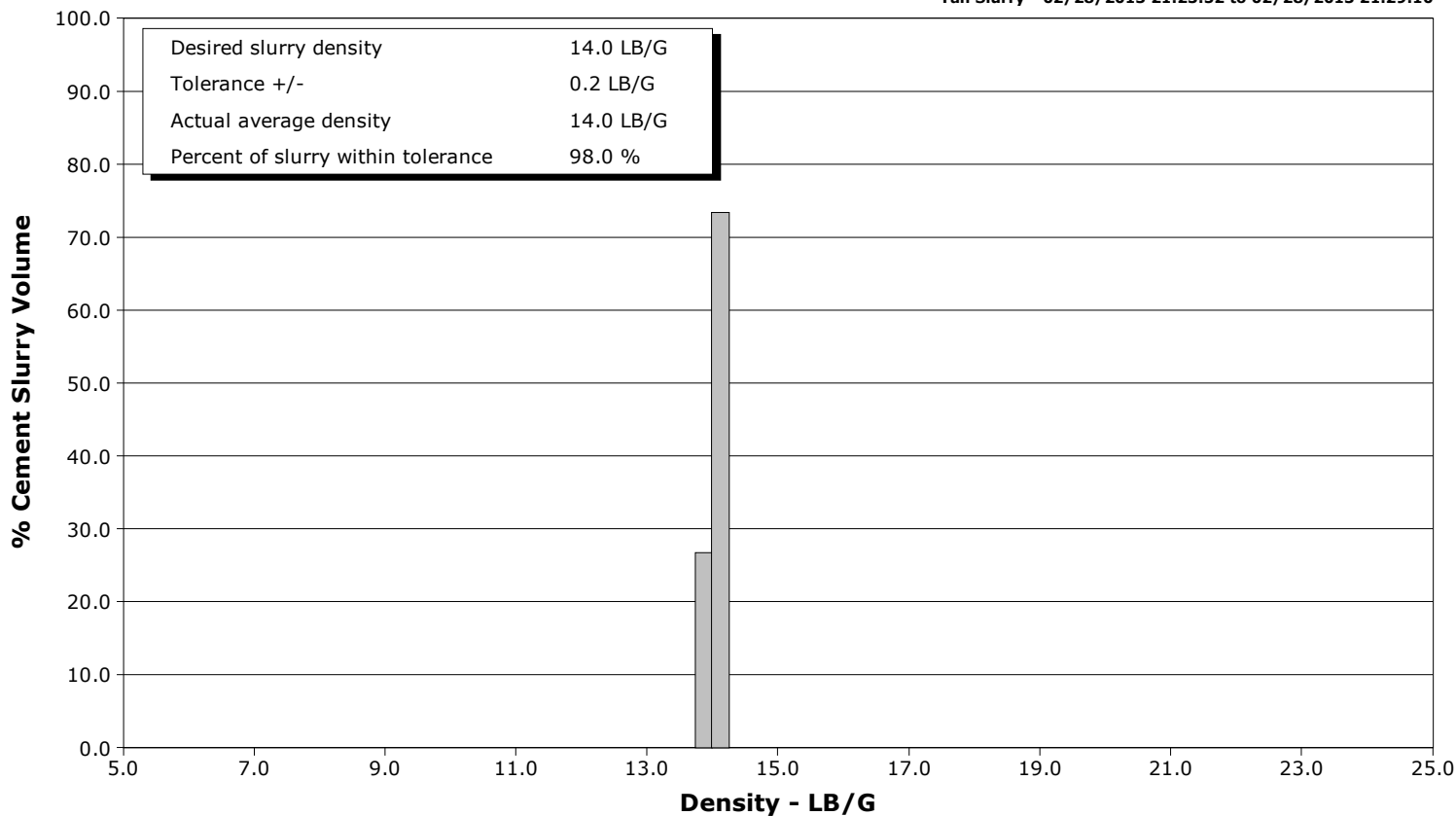
Well CURREY FEDERAL A 15-4
Field COLLBURN
Engineer
Country United States

Client AXIA
SIR No. C610-01131
Job Type SURFACE
Job Date 02-28-2013

Lead Slurry - 02/28/2013 21:08:53 to 02/28/2013 21:21:52



Tail Slurry - 02/28/2013 21:23:52 to 02/28/2013 21:29:10





Cementing Service Report

				Customer AXIA		Job Number C610-01131		
Well CURREY FEDERAL A 15-4			Location (legal)		Schlumberger Location GCO		Job Start Feb/28/2013	
Field COLLBURN		Formation Name/Type		Deviation	Bit Size	Well MD		Well TVD
County MESA		State/Province Colorado		BHP	BHST	BHCT	Pore Press. Gradient	
Well Master 0631203107		API/UWI						
Rig Name PATTERSON 306	Drilled For Gas	Service Via Land	Casing/Liner					
			Depth,	Size,	Weight,	Grade	Thread	
Offshore Zone	Well Class New	Well Type Development						
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type SURFACE							
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole					
			Top,	Bottom,		No. of Shots	Total Interval	
Service Instructions 10bbbls Water 94bbbls 12.5ppg lead 250sks 2.11ft3/sk 43bbbls 14ppg tail 156sks 1.54 ft3/sk WATER TEST= GOOD							Diameter	
			Treat Down	Displacement	Packer Type	Packer Depth		
			Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.		
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure 417 psi				Shoe Type Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1015.0 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 Feb/28/2013		Arrived on Location Feb/28/2013	Leave Location Feb/28/2013	Collar Type Diff-Fill		Tail Pipe Depth		
				Collar Depth 968.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
02/28/2013	19:51:32					Started Acquisition		
02/28/2013	20:53:45					Cement 1015'		
02/28/2013	20:53:45					8 5/8" Casing		
02/28/2013	20:53:45					Held Safety Meeting		
02/28/2013	20:53:45	-1	0.0	8.41	0.0			
02/28/2013	20:53:47					Start Job		
02/28/2013	20:53:47	-1	0.0	8.41	0.0			
02/28/2013	20:53:49					Pressure Test Lines		
02/28/2013	20:53:49	-1	0.0	8.41	0.0			
02/28/2013	20:53:51					Test To 5002500psi		
02/28/2013	20:53:51					Test= Sucsesfull		
02/28/2013	20:53:51	-1	0.0	8.41	0.0			
02/28/2013	20:55:32	-1	0.0	8.41	0.0			
02/28/2013	20:57:32	49	2.8	8.41	0.1			
02/28/2013	20:59:32	600	0.0	8.40	2.1			
02/28/2013	21:01:32	3019	0.0	8.41	2.1			
02/28/2013	21:03:32	11	0.0	8.41	2.1			
02/28/2013	21:05:09					Start Pumping Spacer		
02/28/2013	21:05:09	21	0.0	8.41	2.1			
02/28/2013	21:05:10					10bbbls Fresh H2o		
02/28/2013	21:05:10	21	0.0	8.41	2.1			

Well CURREY FEDERAL A 15-4			Field COLLBURN		Job Start Feb/28/2013	Customer AXIA	Job Number C610-01131
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/28/2013	21:07:32	161	5.0	8.40	6.9		
02/28/2013	21:08:44					End Spacer	
02/28/2013	21:08:44	306	6.6	12.32	14.0		
02/28/2013	21:08:50					Reset Total, Vol = 14.63 bbl	
02/28/2013	21:08:50	323	6.6	12.31	14.6		
02/28/2013	21:08:53					Start Mixing Lead Slurry	
02/28/2013	21:08:53	332	6.5	12.31	15.0		
02/28/2013	21:08:58					94bbls @ 12.5ppg	
02/28/2013	21:08:58					Good Returns	
02/28/2013	21:08:58					Take WetDry Sample	
02/28/2013	21:08:58					Sample= 12.5ppg	
02/28/2013	21:08:58	324	6.5	12.29	15.5		
02/28/2013	21:09:32	314	6.6	12.48	19.2		
02/28/2013	21:11:32	297	6.5	12.54	32.3		
02/28/2013	21:13:32	301	6.5	12.49	45.4		
02/28/2013	21:15:32	299	6.6	12.52	58.5		
02/28/2013	21:17:32	299	6.3	12.52	71.6		
02/28/2013	21:19:32	292	6.6	12.58	84.6		
02/28/2013	21:21:32	276	6.6	12.55	97.7		
02/28/2013	21:21:52					End Lead Slurry	
02/28/2013	21:21:52	280	6.6	12.58	100.0		
02/28/2013	21:22:53					Reset Total, Vol = 92.06 bbl	
02/28/2013	21:22:53	297	6.6	12.54	106.7		
02/28/2013	21:23:32	370	6.6	13.84	111.0		
02/28/2013	21:23:52					Start Mixing Tail Slurry	
02/28/2013	21:23:52	370	6.6	13.92	113.2		
02/28/2013	21:23:53					43bbls @ 14ppg	
02/28/2013	21:23:53					Good Returns	
02/28/2013	21:23:53					Take WetDry Sample	
02/28/2013	21:23:53					Sample= 14ppg	
02/28/2013	21:23:53	339	6.6	13.92	113.3		
02/28/2013	21:25:32	375	6.5	13.96	124.1		
02/28/2013	21:27:32	355	6.6	14.06	137.2		
02/28/2013	21:29:10					End Tail Slurry	
02/28/2013	21:29:10	343	6.5	14.02	147.9		
02/28/2013	21:29:32	358	6.5	14.03	150.3		
02/28/2013	21:31:32	19	0.0	9.70	156.1		
02/28/2013	21:33:32	20	0.0	9.86	156.1		
02/28/2013	21:35:04					Drop Top Plug	
02/28/2013	21:35:04	113	3.7	8.63	157.9		
02/28/2013	21:35:06					Start Displacement	
02/28/2013	21:35:06	96	3.6	8.62	158.0		
02/28/2013	21:35:07					62bbls Fresh H2o	
02/28/2013	21:35:07					Good Returns	
02/28/2013	21:35:07	96	3.6	8.62	158.1		
02/28/2013	21:35:10					60bbls Cement	
02/28/2013	21:35:10					To Surface	
02/28/2013	21:35:10	105	3.5	8.62	158.3		
02/28/2013	21:35:32	86	3.5	8.62	159.5		
02/28/2013	21:37:32	232	6.5	8.46	170.7		
02/28/2013	21:39:32	264	6.5	8.47	183.7		
02/28/2013	21:41:32	347	6.5	8.47	196.7		
02/28/2013	21:43:32	257	3.5	8.46	204.6		
02/28/2013	21:45:32	294	2.5	8.47	211.2		

Well CURREY FEDERAL A 15-4			Field COLLBURN		Job Start Feb/28/2013		Customer AXIA		Job Number C610-01131	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2013	21:49:18						Bump Top Plug			
02/28/2013	21:49:18	1129		0.0	8.45	220.1				
02/28/2013	21:49:19						Bump To 1100psi			
02/28/2013	21:49:19	1128		0.0	8.48	220.1				
02/28/2013	21:49:32	1124		0.0	8.49	220.1				
02/28/2013	21:51:32	1114		0.0	8.49	220.1				
02/28/2013	21:53:32	1008		0.0	8.49	220.1				
02/28/2013	21:55:32	-4		0.0	8.41	220.1				
02/28/2013	21:56:19						Floats Held			
02/28/2013	21:56:19	5		0.0	8.41	220.1				
02/28/2013	21:56:20						End Job			
02/28/2013	21:56:20	5		0.0	8.41	220.1				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.3	N2	Mud 0.0	Maximum Rate 7.1		Total Slurry 220.1	Mud 0.0	Spacer 13.9	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3510	Final 5	Average 437	Bump Plug to 1100	Breakdown	Type		Volume		Density
Avg. N2 Percent		Designed Slurry Volume 137.0 bbl		Displacement 62.2 bbl		Mix Water Temp 51 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 60.0 bbl
						Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative OB SANCHEZ				Schlumberger Supervisor JASON CRICK				Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
								-	-



Service Order #:	
Date:	Feb/28/2013
Operating Time:	0.0
Client Rep:	AXIA
Schlumberger Engineer:	JASON CRICK
Schlumberger FSM:	

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 type="checkbox"/>	no <input checked="" type="checkbox"/>		0
					Sub-total	0%

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

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: