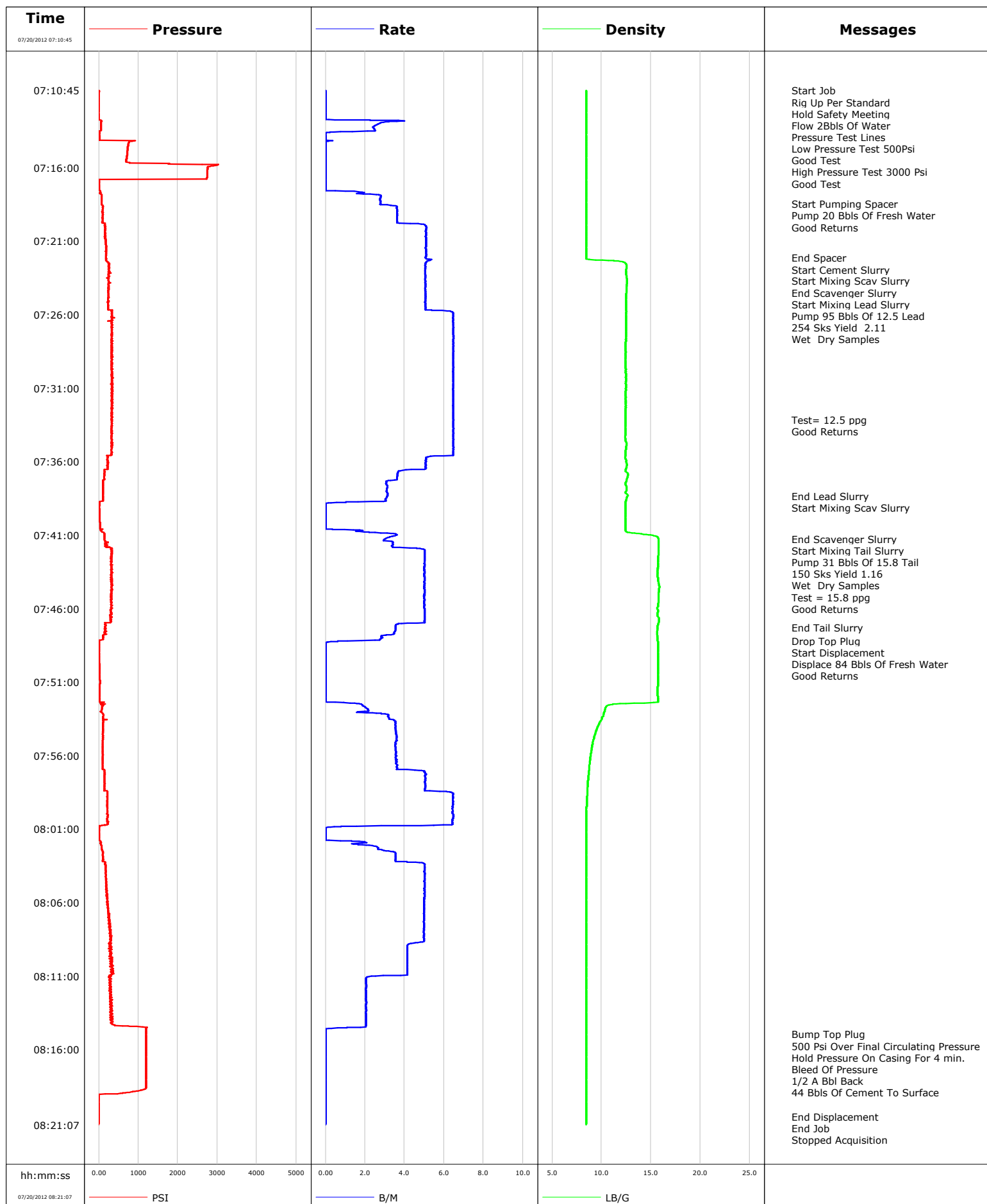


Well	MCU FEE 16-12C2	Client	Vlad Kochetov
Field	Mamm Creek	SIR No.	
Engineer		Job Type	Surface
Country	United States	Job Date	07-20-2012

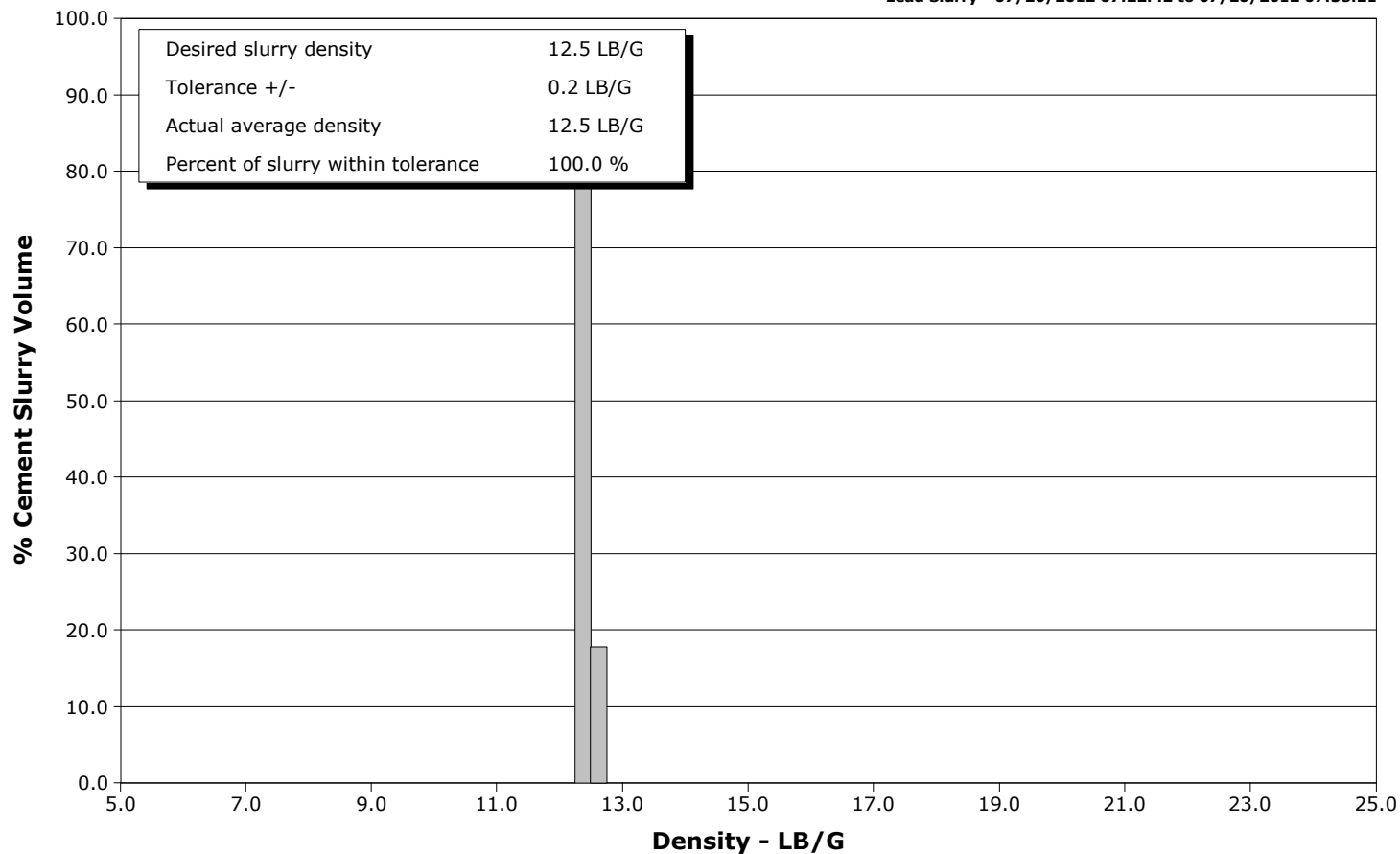


Schlumberger Cementing Qa/Qc Density Report

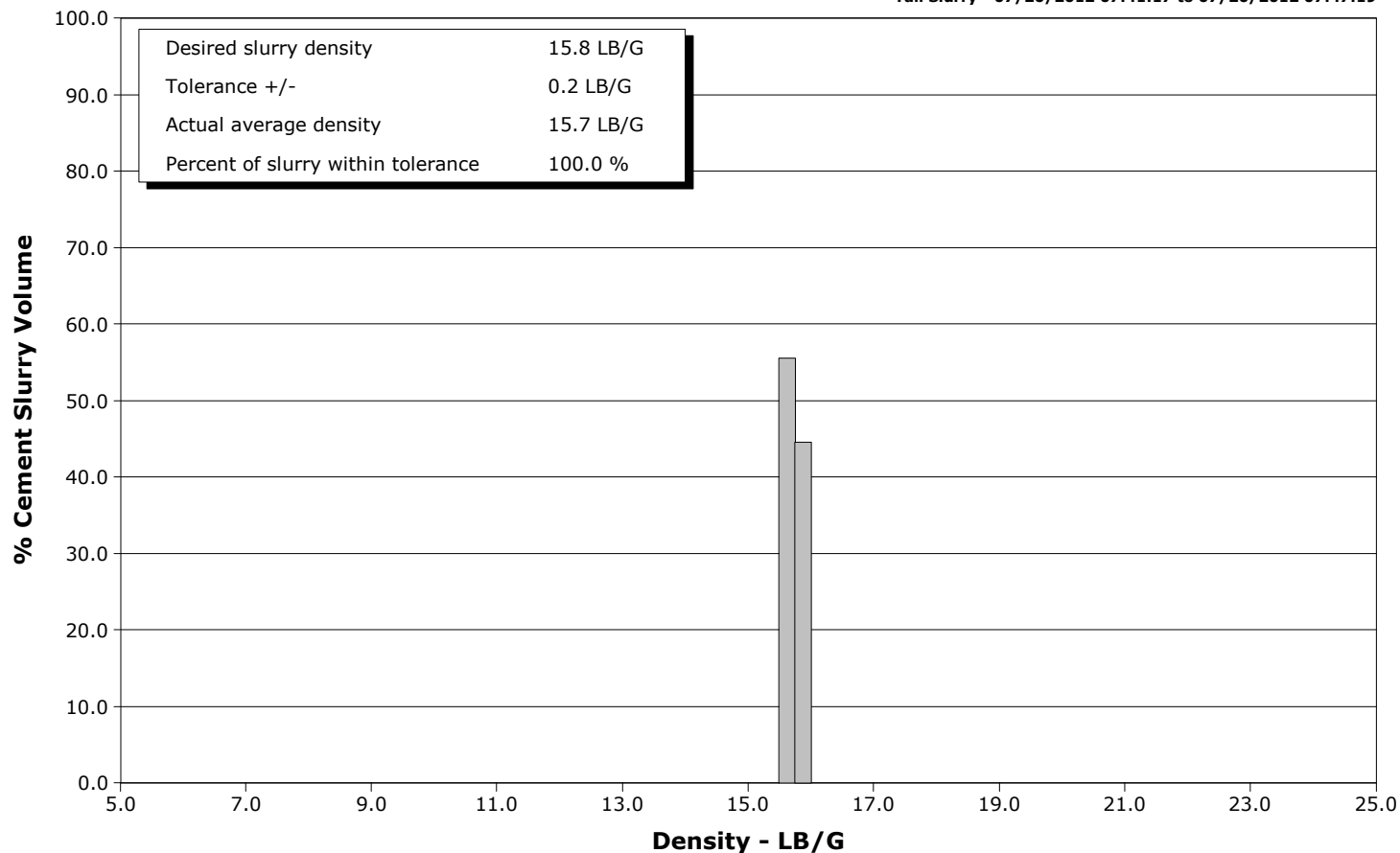
Well MCU FEE 16-12C2
Field Mamm Creek
Engineer
Country United States

Client Vlad Kochetov
SIR No.
Job Type Surface
Job Date 07-20-2012

Lead Slurry - 07/20/2012 07:22:42 to 07/20/2012 07:38:21



Tail Slurry - 07/20/2012 07:41:17 to 07/20/2012 07:47:19





Cementing Service Report

				Customer Vlad Kochetov		Job Number 809594									
Well MCU FEE 16-12C2 MCU-FEE 16-12C2			Location (legal) M16W		Schlumberger Location		Job Start Jul/20/2012								
Field Mamm Creek		Formation Name/Type Shale		Deviation		Bit Size 12.3 in		Well MD 1335.0 ft		Well TVD					
County Garfield		State/Province Colorado		BHP		BHST 94 degF		BHCT 81 degF		Pore Press. Gradient					
Well Master 0631279566		API/UWI													
Rig Name Patterson 308		Drilled For Gas		Service Via Land		Casing/Liner									
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
						1335.0		9.630		36.0		J55		8RD	
Drilling Fluid Type		Max. Density		Plastic Viscosity		40.0		16.000		65.0		K55		8RD	
						Tubing/Drill Pipe									
Service Line Cementing		Job Type Surface				Depth,		Size,		Weight,		Grade		Thread	
Max. Allowed Tub. Press 500 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole									
Service Instructions Rig Up Per Standard Hold Safety Meeting Fill Lines With 2 Bbbls Of Fresh Water Pressure Test Lines Pump 20 Bbbls Of Spacer Pump 95 Bbbls Of 12.5 Lead Pump 31 Bbbls Of 15.8 Tail Displace 84 Bbbls Of Fresh Water Bump The Plug Check The Floats Rig Down						Top,		Bottom,				No. of Shots		Total Interval	
						Treat Down Casing		Displacement 84.0 bbl		Packer Type		Packer Depth			
						Tubing Vol.		Casing Vol. 87.6 bbl		Annular Vol. 67.0 bbl		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 562 psi						Shoe Type Guide				Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1135.0 ft				Tool Type					
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth					
Cement Head Type						Stage Tool Depth				Tail Pipe Size					
Job Scheduled For Jul/20/2012		Arrived on Location Jul/20/2012		Leave Location Jul/20/2012		Collar Type Float				Tail Pipe Depth					
						Collar Depth 1088.0 ft				Sqz. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL		Message					
07/20/2012	06:46:48									Started Acquisition					
07/20/2012	07:10:45	2		0.0		8.46		0.0							
07/20/2012	07:10:46									Start Job					
07/20/2012	07:10:46	2		0.0		8.46		0.0							
07/20/2012	07:10:48	2		0.0		8.46		0.0							
07/20/2012	07:10:49									Rig Up Per Standard					
07/20/2012	07:10:49	2		0.0		8.46		0.0							
07/20/2012	07:10:50									Hold Safety Meeting					
07/20/2012	07:10:50	2		0.0		8.46		0.0							
07/20/2012	07:10:51									Flow 2Bbbls Of Water					
07/20/2012	07:10:51	2		0.0		8.46		0.0							
07/20/2012	07:10:57									Pressure Test Lines					
07/20/2012	07:10:57	-1		0.0		8.45		0.0							
07/20/2012	07:10:59									Low Pressure Test 500Psi					
07/20/2012	07:10:59	-1		0.0		8.45		0.0							
07/20/2012	07:11:00									Good Test					
07/20/2012	07:11:00	-0		0.0		8.46		0.0							
07/20/2012	07:11:01									High Pressure Test 3000 Psi					
07/20/2012	07:11:01									Good Test					
07/20/2012	07:11:01	-1		0.0		8.46		0.0							
07/20/2012	07:12:48	58		2.3		8.45		0.1							

Well			Field	Job Start	Customer	Job Number
MCU FEE 16-12C2 MCU-FEE 16-12C2			Mamm Creek	Jul/20/2012	Vlad Kochetov	809594
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/20/2012	07:16:48	2723	0.0	8.45	2.2	
07/20/2012	07:18:29					Start Pumping Spacer
07/20/2012	07:18:29	70	2.8	8.45	4.4	
07/20/2012	07:18:36					Pump 20 Bbls Of Fresh Water
07/20/2012	07:18:36	92	3.5	8.45	4.7	
07/20/2012	07:18:37					Good Returns
07/20/2012	07:18:37	92	3.5	8.45	4.8	
07/20/2012	07:18:48	106	3.6	8.45	5.4	
07/20/2012	07:20:48	170	5.1	8.45	14.1	
07/20/2012	07:22:08					End Spacer
07/20/2012	07:22:08	179	5.0	8.45	20.9	
07/20/2012	07:22:12					Start Cement Slurry
07/20/2012	07:22:12	182	5.1	8.45	21.2	
07/20/2012	07:22:13					Start Mixing Scav Slurry
07/20/2012	07:22:13	198	5.1	8.45	21.3	
07/20/2012	07:22:41					End Scavenger Slurry
07/20/2012	07:22:41	252	5.0	12.51	23.7	
07/20/2012	07:22:42					Start Mixing Lead Slurry
07/20/2012	07:22:42	241	5.0	12.51	23.8	
07/20/2012	07:22:43					Pump 95 Bbls Of 12.5 Lead
07/20/2012	07:22:43	267	5.0	12.52	23.9	
07/20/2012	07:22:44					254 Sks Yield 2.11
07/20/2012	07:22:44	267	5.1	12.52	23.9	
07/20/2012	07:22:47					Wet Dry Samples
07/20/2012	07:22:47	265	5.1	12.52	24.2	
07/20/2012	07:22:48	257	5.1	12.52	24.3	
07/20/2012	07:24:48	240	5.1	12.49	34.4	
07/20/2012	07:26:48	342	6.5	12.48	46.0	
07/20/2012	07:28:48	317	6.5	12.45	58.9	
07/20/2012	07:30:48	334	6.5	12.45	71.8	
07/20/2012	07:32:48	326	6.5	12.43	84.8	
07/20/2012	07:33:09					Test= 12.5 ppg
07/20/2012	07:33:09	317	6.5	12.43	87.0	
07/20/2012	07:33:12					Good Returns
07/20/2012	07:33:12	313	6.5	12.42	87.4	
07/20/2012	07:34:48	344	6.5	12.53	97.7	
07/20/2012	07:36:48	144	3.7	12.63	108.7	
07/20/2012	07:38:21					End Lead Slurry
07/20/2012	07:38:21	103	3.1	12.64	113.8	
07/20/2012	07:38:29					Start Mixing Scav Slurry
07/20/2012	07:38:29	101	3.1	12.54	114.2	
07/20/2012	07:38:48	18	0.6	12.43	115.0	
07/20/2012	07:40:48	84	2.0	12.54	115.3	
07/20/2012	07:41:17					End Scavenger Slurry
07/20/2012	07:41:17					Start Mixing Tail Slurry
07/20/2012	07:41:17	147	3.0	15.74	116.9	
07/20/2012	07:41:26					Pump 31 Bbls Of 15.8 Tail
07/20/2012	07:41:26	167	3.3	15.77	117.3	
07/20/2012	07:41:28					150 Sks Yield 1.16
07/20/2012	07:41:28	160	3.4	15.77	117.4	
07/20/2012	07:41:29					Wet Dry Samples
07/20/2012	07:41:29	148	3.4	15.77	117.5	
07/20/2012	07:41:30					Test = 15.8 ppg
07/20/2012	07:41:30	233	3.4	15.77	117.5	

Well			Field	Job Start	Customer	Job Number
MCU FEE 16-12C2 MCU-FEE 16-12C2			Mamm Creek	Jul/20/2012	Vlad Kochetov	809594
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/20/2012	07:41:34	197	3.4	15.78	117.8	
07/20/2012	07:42:48	296	5.0	15.70	123.4	
07/20/2012	07:44:48	310	5.0	15.81	133.4	
07/20/2012	07:46:48	289	5.0	15.83	143.4	
07/20/2012	07:47:19					End Tail Slurry
07/20/2012	07:47:19	179	3.5	15.66	145.6	
07/20/2012	07:48:11					Drop Top Plug
07/20/2012	07:48:11	21	1.8	15.66	148.4	
07/20/2012	07:48:16					Start Displacement
07/20/2012	07:48:16	10	0.3	15.69	148.4	
07/20/2012	07:48:21					Displace 84 Bbls Of Fresh Water
07/20/2012	07:48:21					Good Returns
07/20/2012	07:48:21	9	0.0	15.70	148.4	
07/20/2012	07:48:48	8	0.0	15.70	148.4	
07/20/2012	07:50:48	18	0.0	15.70	148.4	
07/20/2012	07:52:48	81	2.1	10.37	149.2	
07/20/2012	07:54:48	104	3.6	9.24	155.6	
07/20/2012	07:56:48	99	3.6	8.76	162.8	
07/20/2012	07:58:48	224	6.5	8.53	173.1	
07/20/2012	08:00:48	17	2.8	8.48	185.9	
07/20/2012	08:02:48	116	3.5	8.46	188.6	
07/20/2012	08:04:48	195	5.0	8.45	197.9	
07/20/2012	08:06:48	227	5.0	8.45	207.9	
07/20/2012	08:08:48	252	4.4	8.45	217.9	
07/20/2012	08:10:48	340	4.1	8.45	226.1	
07/20/2012	08:12:48	331	2.1	8.45	230.6	
07/20/2012	08:14:48	1196	0.0	8.45	234.2	
07/20/2012	08:14:58					Bump Top Plug
07/20/2012	08:14:58	1196	0.0	8.45	234.2	
07/20/2012	08:15:03					500 Psi Over Final Circulating Pressure
07/20/2012	08:15:03	1195	0.0	8.45	234.2	
07/20/2012	08:15:04					Hold Pressure On Casing For 4 min.
07/20/2012	08:15:04					Bleed Of Pressure
07/20/2012	08:15:04					1/2 A Bbl Back
07/20/2012	08:15:04	1195	0.0	8.45	234.2	
07/20/2012	08:15:05					44 Bbls Of Cement To Surface
07/20/2012	08:15:05	1193	0.0	8.45	234.2	
07/20/2012	08:16:48	1192	0.0	8.45	234.2	
07/20/2012	08:18:48	1042	0.0	8.46	234.2	
07/20/2012	08:20:35					End Displacement
07/20/2012	08:20:35	-3	0.0	8.46	234.2	
07/20/2012	08:20:48	-3	0.0	8.46	234.2	
07/20/2012	08:20:55					End Job
07/20/2012	08:20:55	-3	0.0	8.46	234.2	

Well MCU FEE 16-12C2 MCU-FEE 16-12C2	Field Mamm Creek	Job Start Jul/20/2012	Customer Vlad Kochetov	Job Number 809594
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Post Job Summary

Average Pump Rates,					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 126.0	Mud	Spacer 20.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3000	Final 1200	Average	Bump Plug to 1200	Breakdown	Type	Volume		Density
Avg. N2 Percent		Designed Slurry Volume 126.0 bbl		Displacement 84.0 bbl	Mix Water Temp 72 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume
						Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative Justin Zika			Schlumberger Supervisor Justin Zika			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-



Service Quality Evaluation

Client:	Vlad Kochetov
Field:	Mamm Creek
Rig:	Patterson 308
Well:	MCU FEE 16-12C2
Service Line:	Cementing
Job Type:	Surface

Service Order #:	
Date:	Jul/20/2012
Operating Time:	0.0
Client Rep:	Vlad Kochetov
Schlumberger Engineer:	Justin Zika
Schlumberger FSM:	Owen Oleson

Main Objective: Cement Surface String

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

			Score		Yes / No		Result
1	HSE						
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	5
1b	Free of environmental spill or non-compliant discharge	5	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	5
1c	Free of RIRs	5	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	5
1d	Wellsite left clean	4	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	4
Sub-total							100%

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

3	Execution						
3a	Lost time < 30 mins	3	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	3
3b	Equipment pressure tested succesfully	3	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	3
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	2
3d	Plugs / darts released and tested succesfully	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	2
3e	Density variation met expectations	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	2
3f	Personnel performed as per expectations	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	2
3g	Equipment performed as per expectations	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	2
3h	Job pumped per design	3	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	3
3i	Did job start on time	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	2
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>	3
						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%

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

Client:	Schlumberger:
Good Job	Thank you
Client Signature:	Schlumberger Signature: