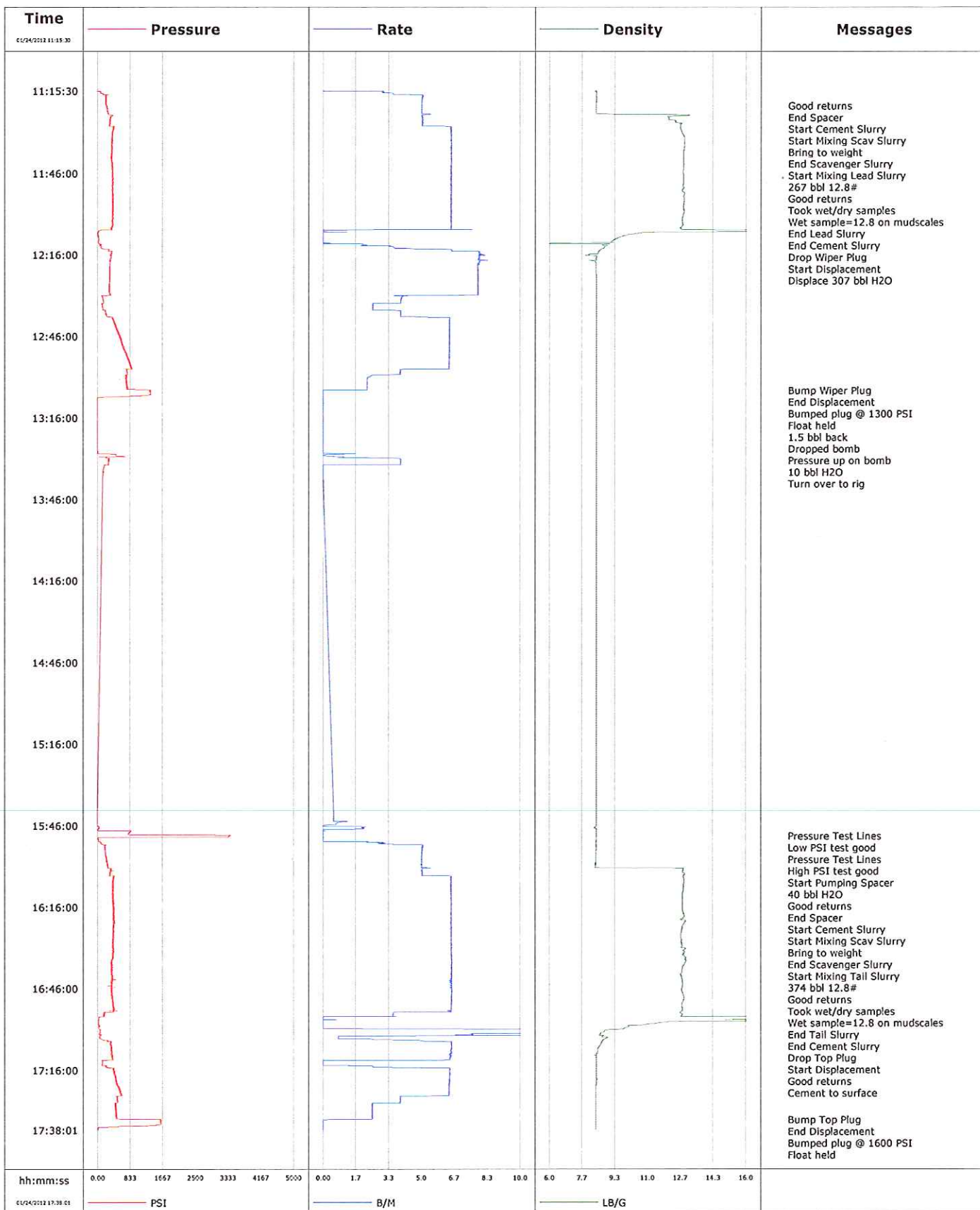
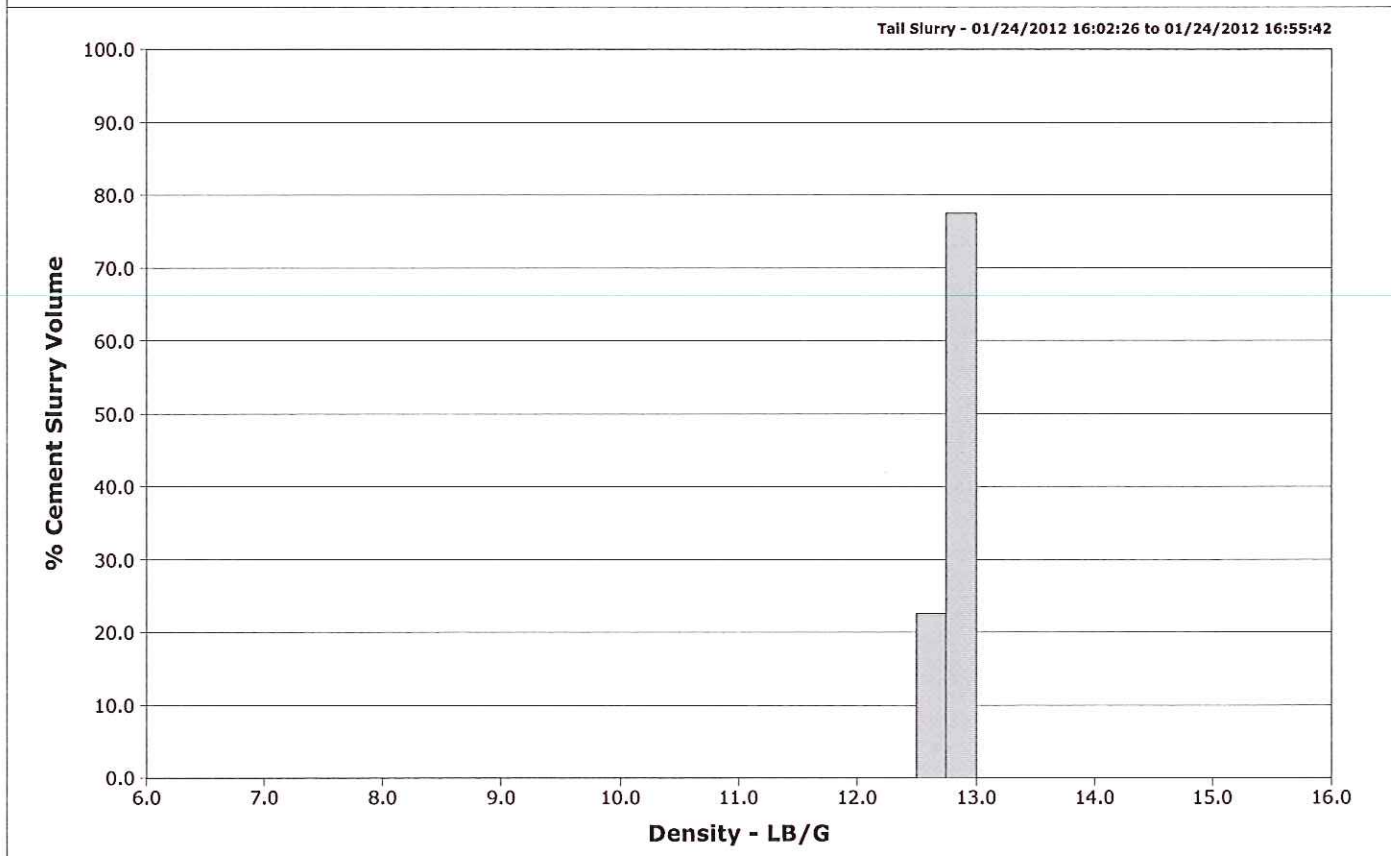
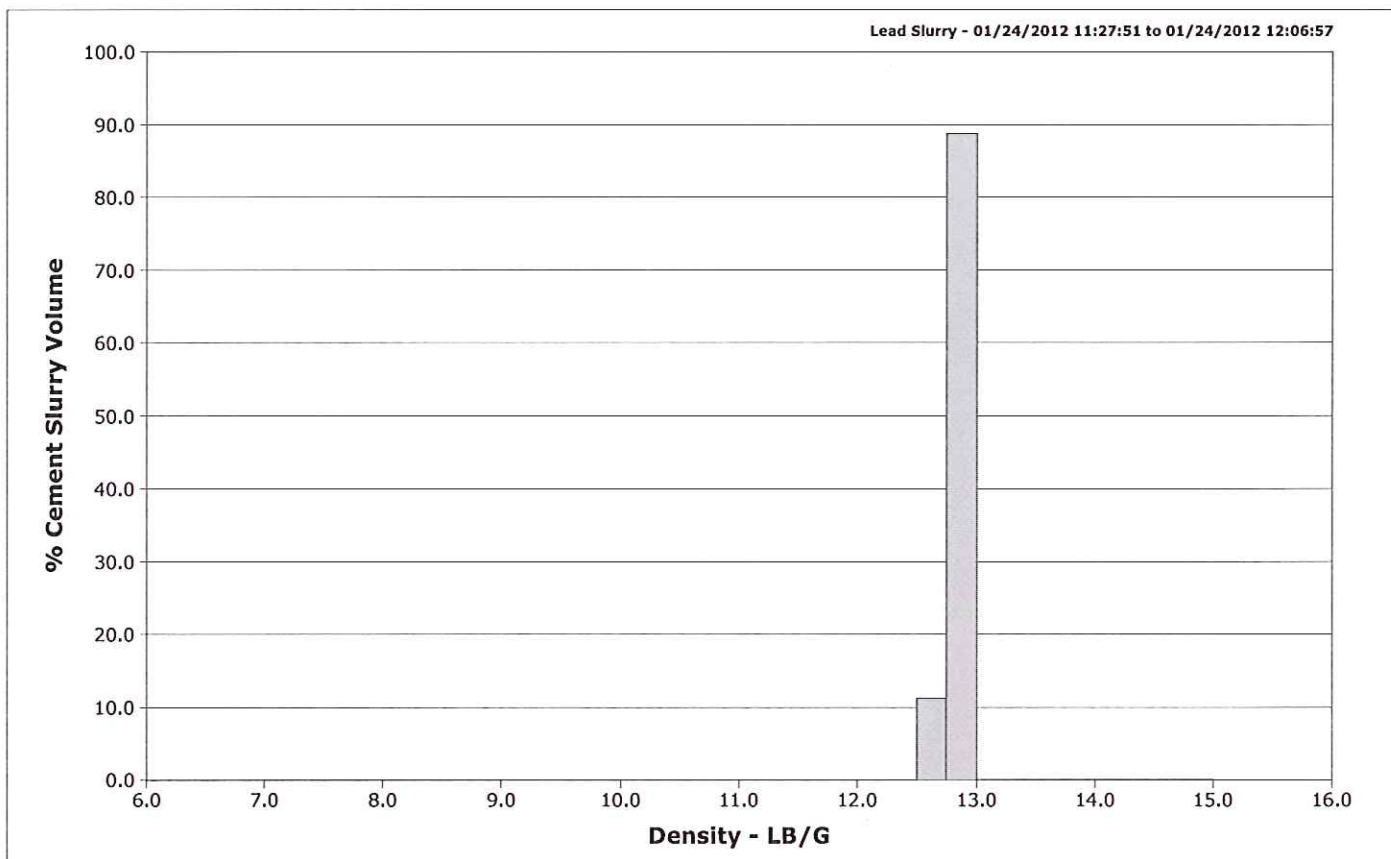


<b>Well</b>	RGU 422-25-198	<b>Client</b>	Williams
<b>Field</b>	Ryan Gulch	<b>SIR No.</b>	BQMF-00747
<b>Engineer</b>	Matt Fair/T. Willardson	<b>Job Type</b>	2 Stage Surface
<b>Country</b>	United States	<b>Job Date</b>	01-24-2012



<b>Well</b>	RGU 422-25-198	<b>Client</b>	Williams
<b>Field</b>	Ryan Gulch	<b>SIR No.</b>	BQMF-00747
<b>Engineer</b>	Matt Fair/T. Willardson	<b>Job Type</b>	2 Stage Surface
<b>Country</b>	United States	<b>Job Date</b>	01-24-2012



## Cementing Service Report

				Customer Williams		Job Number BQMF-00747	
Well RGU 422-25-198			Location (legal)		Schlumberger Location		Job Start Jan/24/2012
Field Ryan Gulch		Formation Name/Type Shale		Deviation deg	Bit Size 13.5 in	Well MD 4000.0 ft	Well TVD 4000.0 ft
County Rio Blanco		State/Province Colorado		BHP psi	BHST 124 degF	BHCT 89 degF	Pore Press. Gradient lb/gal
Well Master 0631352285		API/UWI					
Rig Name Cyclone 29		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		80.0	18.6	N/A
			4000.0	9.6	36.0	J55	8RD
Drilling Fluid Type Bentonite		Max. Density 10.00 lb/gal	Plastic Viscosity cP		Tubing/Drill Pipe		
			T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
Service Line Cementing		Job Type 2 Stage Surface					
Max. Allowed Tub. Press 2030 psi		Max. Allowed Ann. Press 3520 psi		WH Connection Single Cement head			
				Perforations/Open Hole			
				Top, ft	Bottom, ft	shot/ft	No. of Shots
				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
				Treat Down Casing	Displacement 307.0 bbl	Packer Type	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. 308.0 bbl	Annular Vol. 184.0 bbl	Openhole Vol. 522.0 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 1979 psi				Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 4000.0 ft		Tool Type	
No. Centralizers		Top Plugs 1	Bottom Plugs 0	Stage Tool Type DV		Tool Depth ft	
Cement Head Type Single				Stage Tool Depth 1886.0 ft		Tall Pipe Size in	
Job Scheduled For Jan/24/2012 09:00		Arrived on Location Jan/24/2012 09:00		Leave Location Jan/24/2012 19:00		Collar Type Float	
						Tall Pipe Depth ft	
				Collar Depth 3927.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message		
01/24/2012	11:15:30	8.38	17	0.0	Started Acquisition		
01/24/2012	11:17:10	8.38	222	4.9			
01/24/2012	11:18:50	8.38	223	5.0			
01/24/2012	11:20:30	8.37	216	5.0			
01/24/2012	11:21:02	8.37	239	5.0	Good returns		
01/24/2012	11:22:10	8.37	256	5.0			
01/24/2012	11:23:50	8.37	270	5.0			
01/24/2012	11:24:19	10.31	287	5.4	End Spacer		
01/24/2012	11:24:20	10.95	299	5.3	Start Cement Slurry		
01/24/2012	11:24:35	13.06	386	5.1	Start Mixing Scav Slurry		
01/24/2012	11:24:36	13.11	377	5.0	Bring to weight		
01/24/2012	11:25:30	12.10	349	5.1			
01/24/2012	11:27:10	12.42	314	5.1			
01/24/2012	11:27:51	12.69	317	5.0	End Scavenger Slurry		
01/24/2012	11:27:55	12.69	323	5.1	267 bbl 12.8#		
01/24/2012	11:28:50	12.67	417	6.5			
01/24/2012	11:30:30	12.72	395	6.5			
01/24/2012	11:32:10	12.83	381	6.5			
01/24/2012	11:32:22	12.85	380	6.5	Good returns		
01/24/2012	11:33:50	12.87	371	6.5			
01/24/2012	11:35:30	12.87	367	6.5			

Well		Field	Job Start	Customer	Job Number
RGU 422-25-198		Ryan Gulch	Jan/24/2012	Williams	BQMF-00747
Date	Time 24-hr clock	CPFL DENSITY LB/G	CPFL PRESS PSI	CPFL TTL RATE B/M	Message
01/24/2012	11:37:10	12.84	386	6.5	
01/24/2012	11:38:50	12.83	364	6.5	
01/24/2012	11:40:30	12.83	343	6.5	
01/24/2012	11:42:10	12.84	372	6.5	
01/24/2012	11:43:50	12.83	366	6.5	
01/24/2012	11:45:30	12.81	389	6.5	
01/24/2012	11:47:10	12.83	379	6.5	
01/24/2012	11:48:50	12.82	389	6.5	
01/24/2012	11:50:30	12.81	374	6.5	
01/24/2012	11:52:10	12.77	374	6.5	
01/24/2012	11:53:50	12.87	387	6.5	
01/24/2012	11:55:30	12.84	405	6.5	
01/24/2012	11:57:10	12.84	394	6.5	
01/24/2012	11:58:50	12.83	386	6.5	
01/24/2012	12:00:30	12.85	389	6.5	
01/24/2012	12:02:10	12.79	374	6.5	
01/24/2012	12:03:50	12.76	390	6.5	
01/24/2012	12:05:30	12.76	369	6.5	
01/24/2012	12:06:57	15.00	107	0.0	End Lead Slurry
01/24/2012	12:06:58	16.89	80	0.0	End Cement Slurry
01/24/2012	12:07:10	25.00	57	0.0	
01/24/2012	12:08:50	9.98	16	0.0	
01/24/2012	12:10:30	9.32	50	0.0	
01/24/2012	12:12:10	9.08	70	2.0	
01/24/2012	12:12:17	8.90	100	2.0	Drop Wiper Plug
01/24/2012	12:12:18	8.90	100	2.0	Start Displacement
01/24/2012	12:12:21	8.78	94	2.0	Displace 307 bbl H2O
01/24/2012	12:13:50	8.70	118	3.7	
01/24/2012	12:15:30	8.48	368	7.9	
01/24/2012	12:17:10	8.38	357	7.9	
01/24/2012	12:18:50	8.35	323	7.9	
01/24/2012	12:20:30	8.37	320	7.9	
01/24/2012	12:22:10	8.38	319	7.9	
01/24/2012	12:23:50	8.38	314	7.9	
01/24/2012	12:25:30	8.38	315	7.9	
01/24/2012	12:27:10	8.38	306	7.9	
01/24/2012	12:28:50	8.38	306	7.9	
01/24/2012	12:30:30	8.38	329	7.9	
01/24/2012	12:32:10	8.39	142	4.0	
01/24/2012	12:33:50	8.39	167	3.9	
01/24/2012	12:35:30	8.39	138	2.5	
01/24/2012	12:37:10	8.39	211	3.9	
01/24/2012	12:38:50	8.39	269	4.6	
01/24/2012	12:40:30	8.39	424	6.4	
01/24/2012	12:42:10	8.39	445	6.4	
01/24/2012	12:43:50	8.38	490	6.4	
01/24/2012	12:45:30	8.38	534	6.4	
01/24/2012	12:47:10	8.39	589	6.4	
01/24/2012	12:48:50	8.39	634	6.4	
01/24/2012	12:50:30	8.39	663	6.4	
01/24/2012	12:52:10	8.39	730	6.4	
01/24/2012	12:53:50	8.39	762	6.4	
01/24/2012	12:55:30	8.39	823	6.4	
01/24/2012	12:57:10	8.39	843	6.4	

Well		Field	Job Start	Customer	Job Number
RGU 422-25-198		Ryan Gulch	Jan/24/2012	Williams	BQMF-00747
Date	Time 24-hr clock	CPFL DENSITY LB/G	CPFL PRESS PSI	CPFL TTL RATE B/H	Message
01/24/2012	13:00:30	8.39	738	2.5	
01/24/2012	13:02:10	8.39	732	2.2	
01/24/2012	13:03:50	8.39	744	2.2	
01/24/2012	13:05:30	8.39	852	2.2	
01/24/2012	13:05:50	8.39	1340	0.3	Bump Wiper Plug
01/24/2012	13:05:51	8.39	1340	0.3	End Displacement
01/24/2012	13:05:54	8.39	1360	0.0	Bumped plug @ 1300 PSI
01/24/2012	13:07:10	8.39	1352	0.0	
01/24/2012	13:08:50	8.39	12	0.0	
01/24/2012	13:10:30	8.40	11	0.0	
01/24/2012	13:12:10	8.40	10	0.0	
01/24/2012	13:13:50	8.40	11	0.0	
01/24/2012	13:14:43	8.40	10	0.0	Float held
01/24/2012	13:14:49	8.40	10	0.0	1.5 bbl back
01/24/2012	13:14:55	8.40	10	0.0	Dropped bomb
01/24/2012	13:15:30	8.40	10	0.0	
01/24/2012	13:17:10	8.40	9	0.0	
01/24/2012	13:18:50	8.40	9	0.0	
01/24/2012	13:20:30	8.40	9	0.0	
01/24/2012	13:22:10	8.40	9	0.0	
01/24/2012	13:23:50	8.40	9	0.0	
01/24/2012	13:25:30	8.40	9	0.0	
01/24/2012	13:27:10	8.40	9	0.0	
01/24/2012	13:28:50	8.40	13	0.0	
01/24/2012	13:29:11	8.40	13	0.0	Pressure up on bomb
01/24/2012	13:30:30	8.40	214	1.1	
01/24/2012	13:30:34	8.40	221	1.1	10 bbl H2O
01/24/2012	13:32:10	8.39	286	3.9	
01/24/2012	13:33:30	8.39	193	0.2	Turn over to rig
01/24/2012	13:33:50	8.40	182	0.0	
01/24/2012	13:35:30	8.39	149	0.0	
01/24/2012	15:43:50	8.39	9	0.5	
01/24/2012	15:45:30	8.39	8	0.7	
01/24/2012	15:47:10	8.38	48	2.1	
01/24/2012	15:48:50	8.38	791	0.0	
01/24/2012	15:49:48	8.39	3384	0.0	Pressure Test Lines
01/24/2012	15:49:49	8.39	3379	0.0	Low PSI test good
01/24/2012	15:49:50	8.39	3376	0.0	Pressure Test Lines
01/24/2012	15:49:51	8.39	3373	0.0	High PSI test good
01/24/2012	15:50:30	8.38	25	0.0	
01/24/2012	15:50:41	8.39	19	0.0	Start Pumping Spacer
01/24/2012	15:52:10	8.36	86	2.6	
01/24/2012	15:52:47	8.38	87	2.8	40 bbl H2O
01/24/2012	15:52:54	8.38	144	3.5	Good returns
01/24/2012	15:53:50	8.39	188	5.0	
01/24/2012	15:55:30	8.37	203	5.0	
01/24/2012	15:57:10	8.36	219	5.0	
01/24/2012	15:58:50	8.36	239	5.0	
01/24/2012	16:00:30	8.35	257	5.0	
01/24/2012	16:01:32	8.35	262	5.0	End Spacer
01/24/2012	16:01:39	10.34	274	5.4	Start Cement Slurry
01/24/2012	16:01:41	11.02	270	5.3	Start Mixing Scav Slurry
01/24/2012	16:01:45	12.30	311	5.2	Bring to weight
01/24/2012	16:02:10	12.81	353	5.0	

Well		Field	Job Start	Customer	Job Number
RGU 422-25-198		Ryan Gulch	Jan/24/2012	Williams	BQMF-00747
Date	Time 24-hr clock	CPFL DENSITY LB/G	CPFL PRESS PSI	CPFL TTL RATE B/H	Message
01/24/2012	16:02:27	12.81	330	5.0	374 bbl 12.8#
01/24/2012	16:03:50	12.90	329	5.1	
01/24/2012	16:04:18	12.85	306	5.0	Good returns
01/24/2012	16:05:30	12.84	417	6.5	
01/24/2012	16:07:10	12.85	397	6.5	
01/24/2012	16:08:50	12.83	393	6.5	
01/24/2012	16:10:30	12.80	405	6.5	
01/24/2012	16:12:10	12.79	389	6.5	
01/24/2012	16:13:50	12.78	393	6.5	
01/24/2012	16:15:30	12.78	399	6.5	
01/24/2012	16:17:10	12.78	412	6.5	
01/24/2012	16:18:50	12.85	412	6.5	
01/24/2012	16:20:30	12.73	408	6.5	
01/24/2012	16:22:10	12.86	405	6.5	
01/24/2012	16:23:50	12.77	404	6.5	
01/24/2012	16:24:59	12.73	420	6.5	Took wet/dry samples
01/24/2012	16:25:30	12.72	394	6.5	
01/24/2012	16:27:10	12.70	397	6.5	
01/24/2012	16:28:50	12.71	387	6.5	
01/24/2012	16:30:30	12.76	377	6.5	
01/24/2012	16:32:10	12.82	395	6.5	
01/24/2012	16:33:50	12.80	372	6.5	
01/24/2012	16:35:30	12.96	377	6.5	
01/24/2012	16:37:10	12.86	350	6.5	
01/24/2012	16:38:50	12.76	360	6.5	
01/24/2012	16:40:30	12.71	359	6.5	
01/24/2012	16:42:10	12.74	364	6.5	
01/24/2012	16:43:50	12.78	355	6.5	
01/24/2012	16:45:30	12.77	356	6.5	
01/24/2012	16:47:10	12.75	361	6.5	
01/24/2012	16:48:50	12.84	359	6.5	
01/24/2012	16:50:30	12.83	389	6.5	
01/24/2012	16:52:10	12.75	403	6.5	
01/24/2012	16:53:50	12.78	413	6.5	
01/24/2012	16:55:30	12.77	160	3.6	
01/24/2012	16:55:42	12.76	163	3.6	End Tail Slurry
01/24/2012	16:56:50	25.00	43	0.0	End Cement Slurry
01/24/2012	16:57:10	16.76	39	0.0	
01/24/2012	16:58:50	11.46	26	0.0	
01/24/2012	17:00:30	9.91	40	0.0	
01/24/2012	17:01:18	8.96	75	20.1	Drop Top Plug
01/24/2012	17:01:21	8.91	76	20.4	Start Displacement
01/24/2012	17:02:10	8.78	75	21.2	
01/24/2012	17:03:50	8.68	56	0.8	
01/24/2012	17:05:30	8.70	264	5.1	
01/24/2012	17:06:23	8.62	326	6.5	Good returns
01/24/2012	17:07:10	8.56	344	6.5	
01/24/2012	17:08:50	8.47	367	6.5	
01/24/2012	17:10:30	8.42	361	6.4	
01/24/2012	17:12:10	8.40	391	6.4	
01/24/2012	17:13:50	8.40	123	0.0	
01/24/2012	17:15:30	8.40	411	6.4	
01/24/2012	17:17:05	8.40	420	6.4	Cement to surface
01/24/2012	17:17:10	8.40	425	6.4	

Well		Field	Job Start	Customer	Job Number
RGU 422-25-198		Ryan Gulch	Jan/24/2012	Williams	BQMF-00747
Date	Time 24-hr clock	CPFL_DENSITY LB/G	CPFL_PRESS PSI	CPFL_TTL_RATE B/H	Message
01/24/2012	17:20:30	8.39	480	6.4	
01/24/2012	17:22:10	8.37	533	6.4	
01/24/2012	17:23:50	8.37	562	6.4	
01/24/2012	17:25:30	8.37	617	6.4	
01/24/2012	17:27:10	8.36	502	3.9	
01/24/2012	17:28:50	8.36	474	2.5	
01/24/2012	17:30:30	8.36	454	2.5	
01/24/2012	17:32:10	8.36	480	2.5	
01/24/2012	17:33:50	8.36	483	2.5	
01/24/2012	17:34:23	8.36	1588	0.7	Bump Top Plug
01/24/2012	17:34:26	8.36	1625	0.1	Bumped plug @ 1600 PSI
01/24/2012	17:35:30	8.36	1613	0.0	
01/24/2012	17:37:10	8.36	114	0.0	
01/24/2012	17:37:18	8.36	30	0.0	Float held
01/24/2012	17:37:42	8.37	18	0.0	1 bbl back

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2		
5.6			25.0		641.0	0.0	80.0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
3404	15	247	1500			bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume			
%	641.0 bbl		489.0 bbl	59 degF	<input checked="" type="checkbox"/>		145.0 bbl			
					Washed Thru Perfs		To	ft		
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed	<input checked="" type="checkbox"/>		
Andrew Brunk			Matt Fair/T. Willardson			-	-			





## Service Quality Evaluation

Client:	Williams
Field:	Ryan Gulch
Rlg:	Cyclone 29
Well:	RGU 422-25-198
Service Line:	Cementing
Job Type:	2 Stage Surface

Service Order #:	
Date:	Jan/24/2012
Operating Time (hh:mm):	00:00
Client Rep:	Andrew Brunk
Schlumberger Engineer:	Matt Fair/T. Willardson
Schlumberger FSM:	

Main Objective:

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	5
1b	Free of environmental spill or non-compliant discharge	5	yes	<input checked="" type="checkbox"/>	no	5
1c	Wellsite left clean	4	yes	<input checked="" type="checkbox"/>	no	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	3
2b	Equipment maintenance schedule completed / Green tagged	2	yes	<input checked="" type="checkbox"/>	no	2
2c	All materials and equipment required for job/contingency checked & on location	2	yes	<input checked="" type="checkbox"/>	no	2
2d	Safety / pre-job meeting conducted with all involved present	2	yes	<input checked="" type="checkbox"/>	no	2
Sub-total						100%

3	Execution					
3a	Lost time < 30 mins	3	yes	<input checked="" type="checkbox"/>	no	3
3b	Equipment pressure tested successfully	3	yes	<input checked="" type="checkbox"/>	no	3
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes	<input checked="" type="checkbox"/>	no	2
3d	Plugs / darts released and tested successfully	2	yes	<input checked="" type="checkbox"/>	no	2
3e	Density variation met expectations	2	yes	<input checked="" type="checkbox"/>	no	2
3f	Personnel performed as per expectations	2	yes	<input checked="" type="checkbox"/>	no	2
3g	Equipment performed as per expectations	2	yes	<input checked="" type="checkbox"/>	no	2
3h	Job pumped as per design	3	yes	<input checked="" type="checkbox"/>	no	3
3i	Did job start on time	2	yes	<input checked="" type="checkbox"/>	no	2
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes	<input checked="" type="checkbox"/>	no	3
Sub-total						100%

4	Evaluation					
4a	Main job objective achieved with no consequential non-productive time	10	yes	<input checked="" type="checkbox"/>	no	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:
Client Signature:	Schlumberger Signature: