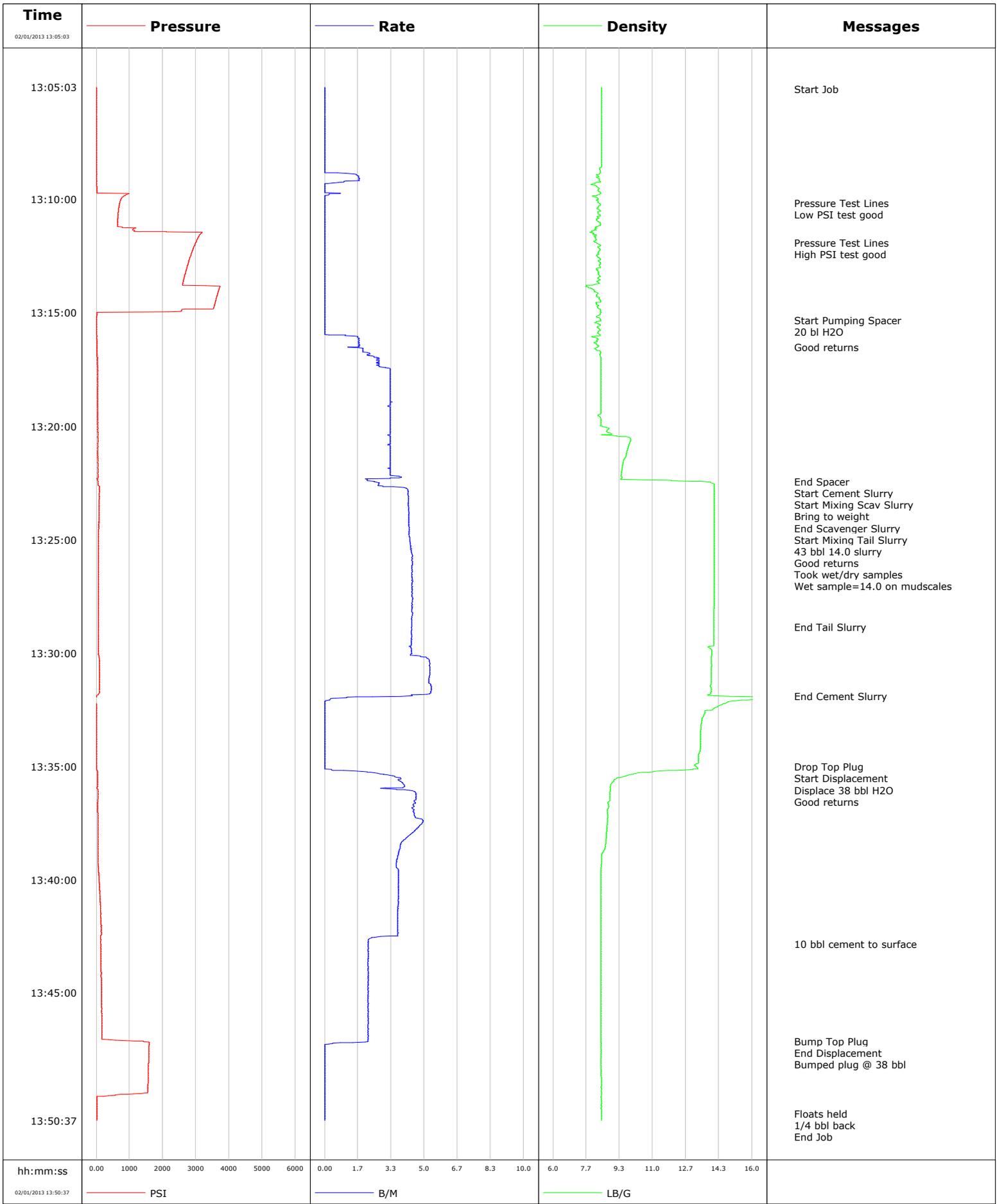


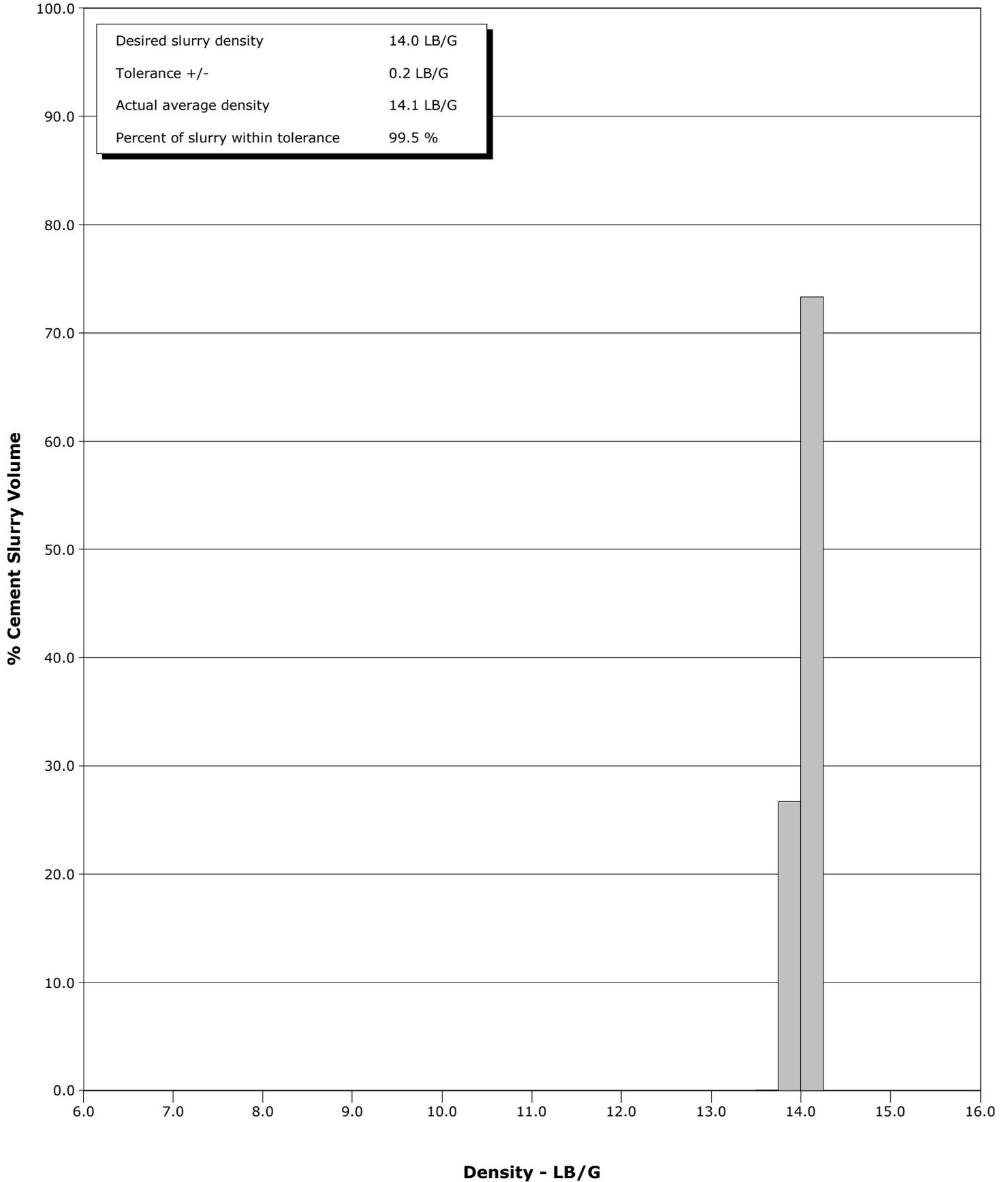
<b>Well</b>	Foristall Stage 36-11S-56W	<b>Client</b>	Cascade
<b>Field</b>	Wildcat	<b>SIR No.</b>	C459-01091
<b>Engineer</b>	Matt Fair/Mike Reedy	<b>Job Type</b>	9 5/8 Surface
<b>Country</b>	United States	<b>Job Date</b>	02-01-2013



**Well** Foristall Stage 36-11S-56W  
**Field** Wildcat  
**Engineer** Matt Fair/Mike Reedy  
**Country** United States

**Client** Cascade  
**SIR No.** C459-01091  
**Job Type** 9 5/8 Surface  
**Job Date** 02-01-2013

Cement Slurry - 02/01/2013 13:22:28 to 02/01/2013 13:31:54



					Customer			Job Number							
					Cascade			C459-01091							
Well			Location (legal)			Schlumberger Location			Job Start						
Foristall Stage 36-11S-56W									Feb/01/2013						
Field		Formation Name/Type			Deviation		Bit Size		Well MD		Well TVD				
Wildcat		Shale			deg		12.3 in		520.0 ft		520.0 ft				
County		State/Province			BHP		BHST		BHCT		Pore Press. Gradient				
Lincoln		Colorado			psi		85 degF		80 degF		lb/gal				
Well Master		API/UWI													
0631440478															
Rig Name		Drilled For		Service Via		Casing/Liner									
Cascade Spud		Oil		Land		Depth, ft		Size, in		Weight, lb/ft		Grade	Thread		
						520.0		9.6		36.0		J55	8RD		
Offshore Zone		Well Class		Well Type		0.0		0.0		0.0					
		New		Development											
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
Other		lb/gal		cP		T/D		Depth, ft		Size, in		Weight, lb/ft		Grade	Thread
Service Line		Job Type			Perforations/Open Hole										
Cementing		9 5/8 Surface			Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval		
					ft		ft						ft		
					ft		ft						Diameter		
					ft		ft						in		
Treat Down		Displacement			Packer Type		Packer Depth								
Casing		38.0 bbl					ft								
Tubing Vol.		Casing Vol.			Annular Vol.		Openhole Vol.								
bbl		40.0 bbl			29.0 bbl		69.0 bbl								
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement			Casing Tools				Squeeze Job						
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>													
Lift Pressure		Shoe Type			Shoe Depth		Squeeze Type								
257 psi		Guide			520.0 ft										
Pipe Rotated		Pipe Reciprocated			Stage Tool Type		Tool Depth								
<input type="checkbox"/>		<input type="checkbox"/>					ft								
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Depth		Tail Pipe Size							
		1		0		ft		in							
Cement Head Type		Job Scheduled For			Arrived on Location		Leave Location		Collar Type		Tail Pipe Depth				
		Feb/01/2013 12:00			Feb/01/2013 12:00		Feb/01/2013 15:00		Float		ft				
		Collar Depth			Sqz. Total Vol.										
		491.0 ft			bbl										
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message								
02/01/2013	13:05:03	8.43	10	0.0	0.0	0.0	Started Acquisition								
02/01/2013	13:05:07	8.43	9	0.0	0.0	0.0	Start Job								
02/01/2013	13:07:33	8.43	7	0.0	0.0	0.0									
02/01/2013	13:10:03	8.19	734	0.0	0.7	0.7									
02/01/2013	13:10:10	8.30	707	0.0	0.7	0.7	Pressure Test Lines								
02/01/2013	13:10:11	8.34	703	0.0	0.7	0.7	Low PSI test good								
02/01/2013	13:11:55	8.17	2997	0.0	0.7	0.7	Pressure Test Lines								
02/01/2013	13:11:56	8.21	2991	0.0	0.7	0.7	High PSI test good								
02/01/2013	13:12:33	8.25	2829	0.0	0.7	0.7									
02/01/2013	13:15:03	8.38	17	0.0	0.7	0.7									
02/01/2013	13:15:20	8.40	10	0.0	0.7	0.7	Start Pumping Spacer								
02/01/2013	13:15:21	8.40	10	0.0	0.7	0.7	20 bl H2O								
02/01/2013	13:16:32	8.25	20	1.2	1.6	1.6	Good returns								
02/01/2013	13:17:33	8.42	33	3.3	4.1	4.1									
02/01/2013	13:20:03	8.58	44	3.3	12.4	12.4									
02/01/2013	13:22:27	13.47	49	2.5	0.0	20.1	End Spacer								
02/01/2013	13:22:28	13.74	52	2.5	0.1	20.2	Start Cement Slurry								
02/01/2013	13:22:29	13.93	48	2.6	0.1	20.2	Start Mixing Scav Slurry								
02/01/2013	13:22:30	13.93	54	2.8	0.2	20.3	Bring to weight								
02/01/2013	13:22:33	14.08	55	2.7	0.3	20.4									
02/01/2013	13:23:22	14.10	86	4.2	3.5	23.6	End Scavenger Slurry								

Well			Field			Job Start		Customer		Job Number	
Foristall Stage 36-11S-56W			Wildcat			Feb/01/2013		Cascade		C459-01091	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message				
02/01/2013	13:23:45	14.10	79	4.2	5.1	25.2	Good returns				
02/01/2013	13:24:09	14.10	76	4.2	6.8	26.9	Took wet/dry samples				
02/01/2013	13:24:18	14.10	75	4.2	7.5	27.6	Wet sample=14.0 on mudscales				
02/01/2013	13:25:03	14.10	69	4.3	10.6	30.8					
02/01/2013	13:27:33	14.10	67	4.4	21.6	41.7					
02/01/2013	13:28:51	14.08	63	4.4	27.3	47.4	End Tail Slurry				
02/01/2013	13:30:03	13.99	61	4.4	32.5	52.6					
02/01/2013	13:31:54	14.06	9	4.4	42.1	62.2	End Cement Slurry				
02/01/2013	13:32:33	13.76	3	0.0	42.4	62.5					
02/01/2013	13:35:01	13.19	11	0.0	0.0	62.5	Drop Top Plug				
02/01/2013	13:35:02	13.20	11	0.0	0.0	62.5	Start Displacement				
02/01/2013	13:35:03	13.24	11	0.0	0.0	62.5	Displace 38 bbl H2O				
02/01/2013	13:36:01	8.90	43	3.6	2.8	65.3	Good returns				
02/01/2013	13:37:33	8.74	52	4.9	9.8	72.3					
02/01/2013	13:40:03	8.42	87	3.7	19.6	82.1					
02/01/2013	13:42:33	8.42	126	2.5	28.8	91.3					
02/01/2013	13:42:50	8.42	136	2.2	29.4	91.9	10 bbl cement to surface				
02/01/2013	13:45:03	8.42	152	2.2	34.3	96.7					
02/01/2013	13:47:08	8.42	1413	2.2	38.8	101.3	Bump Top Plug				
02/01/2013	13:47:10	8.43	1586	2.1	38.9	101.4	End Displacement				
02/01/2013	13:47:12	8.43	1593	0.8	38.9	101.4	Bumped plug @ 38 bbl				
02/01/2013	13:47:33	8.43	1582	0.0	38.9	101.4					
02/01/2013	13:50:03	8.43	19	0.0	38.9	101.4					
02/01/2013	13:50:19	8.43	20	0.0	38.9	101.4	Floats held				
02/01/2013	13:50:25	8.43	20	0.0	38.9	101.4	1/4 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
3.5			5.4	43.0	0.0	20.1	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3731	19	400	1200			bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume
%	43.0 bbl		38.0 bbl	55 degF	<input checked="" type="checkbox"/>		10.0 bbl
Customer or Authorized Representative				Schlumberger Supervisor		Circulation Lost	
Red Menge				Matt Fair/Mike Reedy		<input type="checkbox"/>	
						Job Completed <input checked="" type="checkbox"/>	

<b>Client:</b>	Cascade
<b>Field:</b>	Wildcat
<b>Rig:</b>	Cascade Spud
<b>Well:</b>	Foristall Stage 36-11S-56W
<b>Service Line:</b>	Cementing
<b>Job Type:</b>	9 5/8 Surface

<b>Service Order #:</b>	
<b>Date:</b>	Feb/01/2013
<b>Operating Time (hh:mm):</b>	00:00
<b>Client Rep:</b>	Red Menge
<b>Schlumberger Engineer:</b>	Matt Fair/Mike Reedy
<b>Schlumberger FSM:</b>	

**Main Objective:**

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

		Score	Yes / No		Result
<b>1</b>	<b>HSE</b>				
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	Wellsite left clean	4	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	4
Sub-total					100%

<b>2</b>	<b>Design / Preparation</b>				
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%

<b>3</b>	<b>Execution</b>				
3a	Lost time < 30 mins	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3b	Equipment pressure tested successfully	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 successfully	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 as 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%

<b>4</b>	<b>Evaluation</b>				
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.)

<b>Client:</b>	<b>Schlumberger:</b>
<b>Client Signature:</b>	<b>Schlumberger Signature:</b>