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**BILL BARRETT CORPORATION E-BILL**

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**FEDERAL 14D-34-691  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
30-Dec-2011

**Post Job Summary**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 343492	<b>Ship To #:</b> 2896394	<b>Quote #:</b>	<b>Sales Order #:</b> 9132786
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Customer Rep:</b> Lauer, Casey	
<b>Well Name:</b> FEDERAL	<b>Well #:</b> 14D-34-691	<b>API/UWI #:</b> 05-045-20862	
<b>Field:</b> MAMM CREEK	<b>City (SAP):</b> SILT	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.479 deg. OR N 39 deg. 28 min. 45.142 secs.		<b>Long:</b> W 107.553 deg. OR W -108 deg. 26 min. 48.318 secs.	
<b>Contractor:</b> Pro Petro		<b>Rig/Platform Name/Num:</b> Pro Petro 1	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> FLING, MATTHEW		<b>Srvc Supervisor:</b> YOUNG, JEREMY	<b>MBU ID Emp #:</b> 418013

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
KUKUS, CARLTON Dean	10	458577	PARKER, BRANDON	10	503646	YOUNG, JEREMY R	10	418013

**Equipment**

HES Unit #	Distance-1 way						
10867423	60 mile	10871245	60 mile	10897887	60 mile	11259881	60 mile
11360881	60 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12/29/2011	7	0.5	12/30/2011	3	1.5			

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Form Type</b>		<b>BHST</b>	<b>On Location</b>	29 - Dec - 2011	17:00	MST
<b>Job depth MD</b>	867.9 ft	<b>Job Depth TVD</b>	<b>Job Started</b>	30 - Dec - 2011	00:02	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	<b>Job Completed</b>	30 - Dec - 2011	01:06	MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>	<b>Departed Loc</b>			

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
OPEN HOLE				12.25				.	890.		
SURFACE CASING	Unknown		9.625	8.921	36.		K-55	.	867.9		

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
R/A DENSOMETER W/CHART RECORDER, /JOB, ZI	1	JOB		
ADC (AUTO DENSITY CTRL) SYS, /JOB, ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA		
PLUG, CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

**Tools and Accessories**

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers			

**Miscellaneous Materials**

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc %
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

**Fluid Data**

**Stage/Plug #: 1**

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	WATER SPACER	FRESH WATER	20.00	bbl	8.34	.0	.0	4	
2	VersaCem	VERSACEM (TM) SYSTEM (452010)	125.0	sacks	12.3	2.38	13.77	5	13.77
		0.25 lbm POLY-E-FLAKE (101216940)							
		13.77 Gal FRESH WATER							
3	SwiftCem	SWIFTCEM (TM) SYSTEM (452990)	125.0	sacks	14.2	1.43	6.85	5	6.85
		0.25 lbm POLY-E-FLAKE (101216940)							
		6.85 Gal FRESH WATER							
4	DISPLACEMENT	FRESH WATER	63.70	bbl	8.33			5	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	63.7	Shut In: Instant		Lost Returns	NO	Cement Slurry	84.8	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	28	Actual Displacement	83.7	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	168.5
<b>Rates</b>									
Circulating		Mixing	5	Displacement	5	Avg. Job			5
Cement Left In Pipe	Amount	43.4 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> FLING, MATTHEW		<b>Srvc Supervisor:</b> YOUNG, JEREMY	<b>MBU ID Emp #:</b> 418013

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	12/29/2011 17:00							CREW ALREADY ON LOCATION FROM PREVIOUS JOB.
Assessment Of Location Safety Meeting	12/29/2011 23:10							WITH ALL HES PERSONNEL
Other	12/29/2011 23:15							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	12/29/2011 23:20							WITH ALL HES PERSONNEL
Rig-Up Equipment	12/29/2011 23:30							
Pre-Job Safety Meeting	12/29/2011 23:50							WITH ALL PERSONNEL ON LOCATION
Start Job	12/30/2011 00:02							TD 890 FT, TP 867.88 FT, SHOE 43.39 FT, HOLE 12 1/4 IN, HOLE DRILLED WITH AIR, CSG 9 5/8 IN 36 LB/FT K-55
Other	12/30/2011 00:02		2	2			12.0	FILL LINES WITH FRESH WATER
Test Lines	12/30/2011 00:04							TEST LINES TO 2600 PSI. PRESSURE HOLDING
Pump Spacer 1	12/30/2011 00:14		4	20			44.0	FRESH WATER
Pump Lead Cement	12/30/2011 00:19		5	53			105.0	125 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Pump Tail Cement	12/30/2011 00:31		5	31.8			166.0	125 SKS AT 14.2 PPG, 1.43 FT3/SK, 6.85 GAL/SK
Shutdown	12/30/2011 00:37							
Drop Top Plug	12/30/2011 00:37							PLUG LAUNCHED

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	12/30/2011 00:38		5	53.7			266.0	FRESH WATER
Slow Rate	12/30/2011 00:49		2	10			230.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	12/30/2011 00:54		2		63.7		810.0	PLUG BUMPED
Check Floats	12/30/2011 01:00							FLOATS NOT HOLDING. RETURNED 1.75 BBL H2O TO PUMP
Bump Plug	12/30/2011 01:03		1	1.75	63.7		1100.0	REBUMP PLUG
Check Floats	12/30/2011 01:05							FLOATS HOLDING. RETURNED 0.5 BBL H2O TO PUMP.
End Job	12/30/2011 01:06							PIPE WAS STATIC DURING JOB. CIRCULATION CAME AT START OF DISPLACEMENT. HES RETURNED 28 BBL CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	12/30/2011 01:10							WITH ALL HES PERSONNEL
Rig-Down Equipment	12/30/2011 01:15							
Comment	12/30/2011 14:55							CREW STAYED ON LOCATION FOR NEXT JOB
Comment	12/30/2011 14:55							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JEREMY YOUNG AND CREW.

# HALLIBURTON

## Water Analysis Report

Company: BILL BARRETT

Date: 12/29/2011

Submitted by: JEREMY YOUNG

Date Rec.: \_\_\_\_\_

Attention: LAB

S.O.# 9132786

Lease FEDERAL

Job Type: SURFACE

Well # 14D-34-691

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>250 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>120 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>0 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>0 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>UNDER 200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>40 Deg</b>
Total Dissolved Solids		<b>420 Mg / L</b>

Respectfully: JEREMY YOUNG

Title: CEMENTING SUPERVISOR

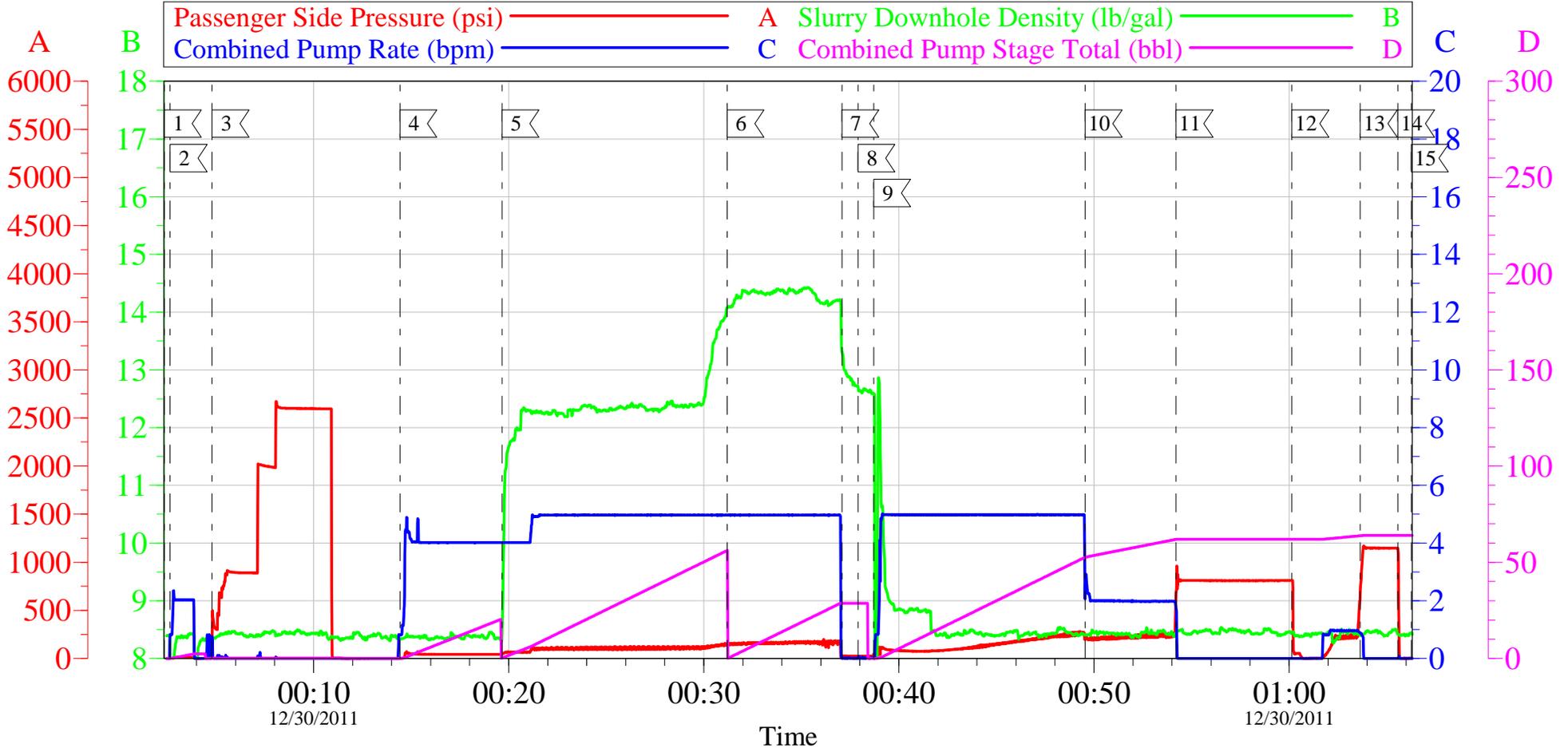
Location: Grand Junction, CO

**NOTICE:**

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its

# BILL BARRETT - FEDERAL 14D-34-691

9 5/8 SURFACE

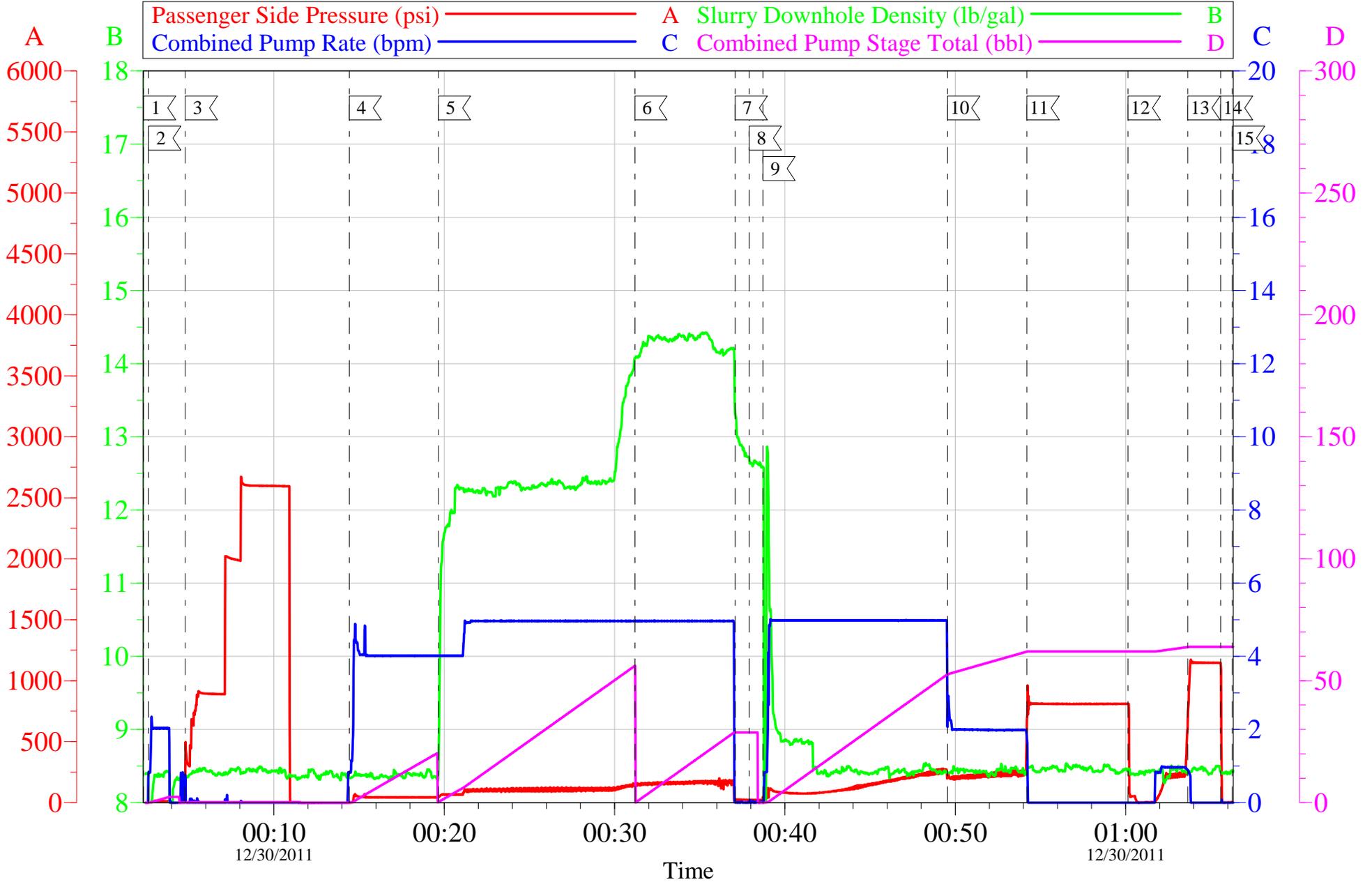


1	START JOB	00:02:21	2	FILL LINES	00:02:39	3	TEST LINES	00:04:48
4	PUMP H2O SPACER	00:14:25	5	PUMP LEAD CEMENT	00:19:39	6	PUMP TAIL CEMENT	00:31:12
7	SHUTDOWN	00:37:05	8	DROP TOP PLUG	00:37:54	9	PUMP DISPLACEMENT	00:38:43
10	SLOW RATE	00:49:33	11	BUMP PLUG	00:54:13	12	CHECK FLOATS	01:00:09
13	REBUMP PLUG	01:03:39	14	CHECK FLOATS	01:05:34	15	END JOB	01:06:16

Customer: BILL BARRETT	Job Date: 30-Dec-2011	Sales Order #: 9132786
Well Description: FEDERAL 14D-34-691	Job Type: SURFACE	ADC Used: YES
Company Rep: CASER LAUER	Cement Supervisor: JEREMY YOUNG	Elite #8 CARL KUKUS

# BILL BARRETT - FEDERAL 14D-34-691

9 5/8 SURFACE



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Well Description: FEDERAL 14D-34-691	Job Type: SURFACE	ADC Used: YES
Company Rep: CASER LAUER	Cement Supervisor: JEREMY YOUNG	Elite #8: CARL KUKUS