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# **BILL BARRETT CORPORATION E-BILL**

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**SCOTT 44A-25-692  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
**28-Feb-2012**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2908833	Quote #:	Sales Order #: 9306416
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Lauer, Casey		
Well Name: SCOTT	Well #: 44A-25-692	API/UWI #: 05-045-21258	
Field:	City (SAP): UNKNOWN	County/Parish: Garfield	State: Colorado
Lat: N 39.492 deg. OR N 39 deg. 29 min. 32.388 secs.	Long: W 107.606 deg. OR W -108 deg. 23 min. 40.016 secs.		
Contractor: ProPetro Services Inc.	Rig/Platform Name/Num: ProPetro		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: METLI, MARSHALL	Srv Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HYDE, DUSTIN C	3.5	453940	KUKUS, CHRISTOPHER A	3.5	413952	SMITH, DUSTIN Michael	3.5	418015

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10533645	120 mile	10567589C	120 mile	11139328	120 mile	11259883	120 mile
11808829	120 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
02/28/12	3.5	2						

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

## Job

Formation Name					Date				Time		Time Zone				
Formation Depth (MD)		Top		Bottom		Called Out				28 - Feb - 2012		05:00		MST	
Form Type		BHST		On Location				28 - Feb - 2012		05:00		MST			
Job depth MD		760. ft		Job Depth TVD		760. ft		Job Started		28 - Feb - 2012		06:39		MST	
Water Depth		Wk Ht Above Floor		. ft		Job Completed		28 - Feb - 2012		07:29		MST			
Perforation Depth (MD)		From		To		Departed Loc				28 - Feb - 2012		08:30		MST	

## 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
12 1/4" Open Hole				12.25				.	760		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	745.54		

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 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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		20.00	bbl	8.34	.0	.0	4.0	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	6.0	13.77
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	6.0	6.85
6.85 Gal		FRESH WATER							
4	Fresh Water Displacement		54.20	bbl	8.33			6.0	
Calculated Values		Pressures		Volumes					
Displacement	54.2	Shut In: Instant		Lost Returns	0	Cement Slurry	80.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	54.2	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	155.2
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	44.4 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					

*The Road to Excellence Starts with Safety*

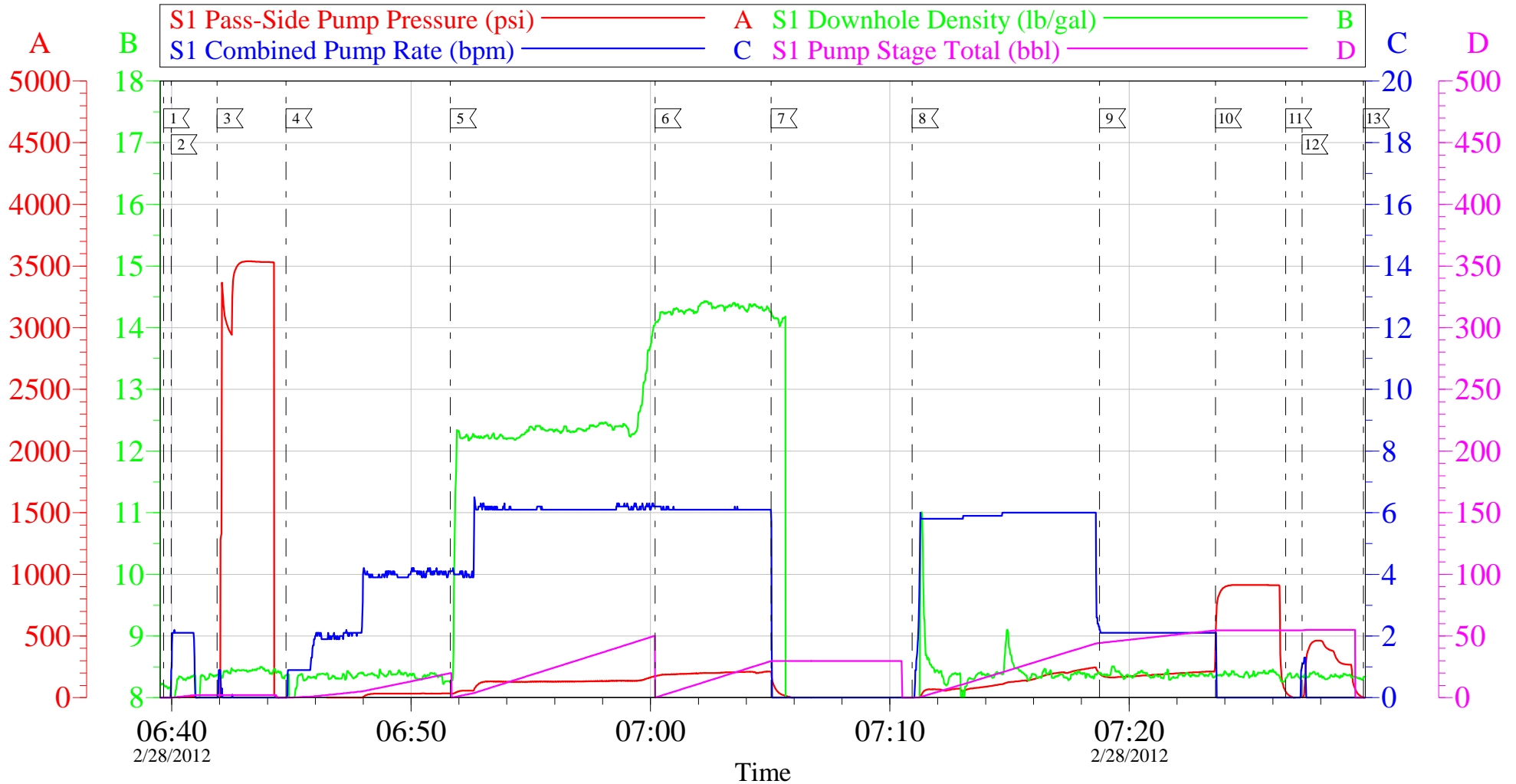
<b>Sold To #:</b> 343492	<b>Ship To #:</b> 2908833	<b>Quote #:</b>	<b>Sales Order #:</b> 9306416
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Customer Rep:</b> Lauer, Casey	
<b>Well Name:</b> SCOTT		<b>Well #:</b> 44A-25-692	<b>API/UWI #:</b> 05-045-21258
<b>Field:</b>	<b>City (SAP):</b> UNKNOWN	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.492 deg. OR N 39 deg. 29 min. 32.388 secs.		<b>Long:</b> W 107.606 deg. OR W -108 deg. 23 min. 40.016 secs.	
<b>Contractor:</b> ProPetro Services Inc.		<b>Rig/Platform Name/Num:</b> ProPetro	
<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> METLI, MARSHALL		<b>Srv Supervisor:</b> SMITH, DUSTIN	<b>MBU ID Emp #:</b> 418015

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/27/2012 05:00							ELITE # 3
Arrive At Loc	02/27/2012 05:00							CREW ON LOCATION FROM PREVIOUS JOB
Assessment Of Location Safety Meeting	02/27/2012 05:20							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	02/27/2012 05:20							ALL HES EMPLOYEES
Rig-Up Equipment	02/27/2012 05:30							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK
Pre-Job Safety Meeting	02/27/2012 06:10							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	02/27/2012 06:39							
Start Job	02/27/2012 06:39							TD: 760 TP: 745.52 SJ: 44.9 9 5/8 36# CSG 12 1/4 O.H HOLE DRILLE WITH AIR. NO WELL FLUID IN WELL
Test Lines	02/27/2012 06:41					3550.0		PRESSURE TEST OK
Pump Spacer	02/27/2012 06:44		4	20	20		54.0	FRESH WATER
Pump Lead Cement	02/27/2012 06:51		6	50.9	50.9		190.0	120 SKS 12.3 PPG 2.38 YIELD 13.77 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Tail Cement	02/27/2012 07:00		6	30.6	30.6		220.0	120 SKS 14.2 PPG 1.43 YIELD 6.85 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Shutdown	02/27/2012 07:05							
Drop Plug	02/27/2012 07:05							JOB PUMPED THROUGH SWAGE
Pump Displacement	02/27/2012 07:10		6	54.2	54.2		240.0	FRESH WATER
Slow Rate	02/27/2012 07:18		2	44.2	44.2		205.0	SLOW RATE TO BUMP PLUG
Bump Plug	02/27/2012 07:23		2	54.2	54.2		925.0	PSI BEFORE BUMPING PLUG @ 220PSI BUMPED PLUG UP TO 925 PSI
Check Floats	02/27/2012 07:26							FLOATS HELD 1/2 BBL BACK TO DISPLACEMENT TANKS 30 BBLs CEMENT TO SURFACE RIG USED NO SUGAR
End Job	02/27/2012 07:29							PRESSURED UP TO 200 PSI AND SHUT IN WELL AT 2 INCH ON SWAGE
Pre-Rig Down Safety Meeting	02/27/2012 07:35							ALL HES EMPLOYEES
Rig-Down Equipment	02/27/2012 07:55							
Pre-Convoy Safety Meeting	02/27/2012 08:20							ALL HES EMPLOYEES
Crew Leave Location	02/27/2012 08:30							CREW HEAD TO YARD TO GET 2 MORE BULK TRUCKS FOR NEXT 2 JOBS AND RETURN TO LOCATION
Comment	02/28/2012 08:30							THANK YOU FOR USIN HALLIBURTON CEMENT DUSTIN SMITH AND CREW

# BILL BARRETT SCOTT 44A -25-692

## 9 5/8 SURFACE



### Local Event Log

1 START JOB	06:39:39	2 FILL LINES	06:39:59	3 TEST LINES	06:41:54
4 PUMP H2O SPACER	06:44:47	5 PUMP LEAD CEMENT	06:51:38	6 PUMP TAIL CEMENT	07:00:11
7 SHUTDOWN/ DROP PLUG	07:05:02	8 PUMP DISPLACEMENT	07:10:56	9 SLOW RATE	07:18:46
10 BUMP PLUG	07:23:36	11 CHECK FLOATS	07:26:32	12 PRESSURE UP / SHUTIN WELL	07:27:13
13 RELEASE PRESSURE/ END JOB	07:29:47				

Customer: BILL BARRETT  
Well Description: SCOTT 44A-25-692  
Company Rep: CASEY LAUER

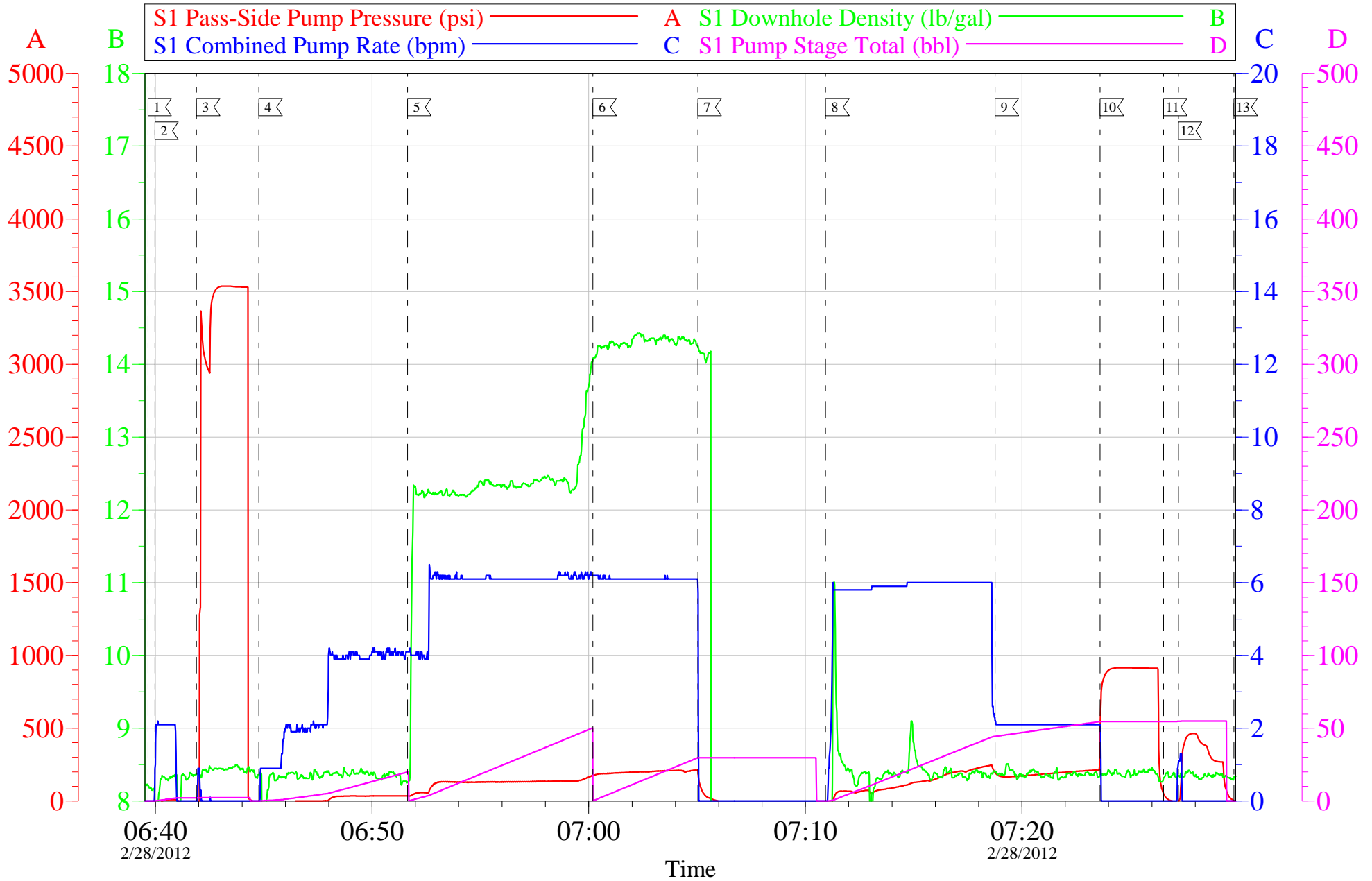
Job Date: 28-Feb-2012  
Job Type: 9 5/8 SURFACE  
Cement Supervisor: DUSTIN SMITH

Sales Order #: 9306416  
ADC Used: YES  
Elite #: 3 CHRIS KUKUS

OptiCem v6.4.10  
28-Feb-12 07:38

# BILL BARRETT SCOTT 44A -25-692

## 9 5/8 SURFACE



Customer: BILL BARRETT  
Well Description: SCOTT 44A-25-692  
Company Rep: CASEY LAUER

Job Date: 28-Feb-2012  
Job Type: 9 5/8 SURFACE  
Cement Supervisor: DUSTIN SMITH

Sales Order #: 9306416  
ADC Used: YES  
Elite #: 3 CHRIS KUKUS

OptiCem v6.4.10  
28-Feb-12 07:39

# HALLIBURTON

## Water Analysis Report

Company: BILL BARRETT

Submitted by: DUSTIN SMITH

Attention: J. TROUT/C.MARTINEZ

Lease SCOTT

Well # 44A-25-692

Date: 2/28/2012

Date Rec.: 2/28/2012

S.O.# 9306416

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>6.8</b>
Potassium (K)	<i>5000</i>	<b>0</b> Mg / L
Calcium (Ca)	<i>500</i>	<b>120</b> Mg / L
Iron (FE2)	<i>300</i>	<b>0</b> Mg / L
Chlorides (Cl)	<i>3000</i>	<b>0</b> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>UNDER 200</b> Mg / L
Chlorine (Cl <sub>2</sub> )		<b>0</b> Mg / L
Temp	<i>40-80</i>	<b>40</b> Deg
Total Dissolved Solids		<b>360</b> Mg / L

Respectfully: DUSTIN SMITH

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 use.



<b>Sales Order #:</b> 9306416	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 2/28/2012
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b>		<b>API / UWI: (leave blank if unknown)</b> 05-045-21258
<b>Well Name:</b> SCOTT		<b>Well Number:</b> 44A-25-692
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

### CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	2/28/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	DUSTIN SMITH (HX37079)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

<b>CUSTOMER SIGNATURE</b>
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<b>Sales Order #:</b> 9306416	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 2/28/2012
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b>		<b>API / UWI: (leave blank if unknown)</b> 05-045-21258
<b>Well Name:</b> SCOTT		<b>Well Number:</b> 44A-25-692
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<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

*KEY PERFORMANCE INDICATORS*

General	
<b>Survey Conducted Date</b> The date the survey was conducted	2/28/2012

Cementing KPI Survey	
<b>Type of Job</b> Select the type of job. (Cementing or Non-Cementing)	0
<b>Select the Maximum Deviation range for this Job</b> What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
<b>Total Operating Time (hours)</b> Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
<b>HSE Incident, Accident, Injury</b> HSE Incident, Accident, Injury. This should be recordable incidents only.	No
<b>Was the job purpose achieved?</b> Was the job delivered correctly as per customer agreed design?	Yes
<b>Operating Hours (Pumping Hours)</b> Total number of hours pumping fluid on this job. Enter in decimal format.	1
<b>Customer Non-Productive Rig Time (hrs)</b> Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	0
<b>Type of Rig Classification Job Was Performed</b> Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
<b>Number Of JSAs Performed</b> Number Of Jsas Performed	6
<b>Number of Unplanned Shutdowns</b> Unplanned shutdown is when injection stops for any period of time.	0
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 9306416	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 2/28/2012
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<b>Customer Representative:</b>		<b>API / UWI: (leave blank if unknown)</b> 05-045-21258
<b>Well Name:</b> SCOTT		<b>Well Number:</b> 44A-25-692
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	90
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	90
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0