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**BILL BARRETT CORPORATION E-BILL**

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**Kaufman 43D-25-692  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
01-Sep-2011

**Post Job Summary**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 343492	<b>Ship To #:</b> 2848846	<b>Quote #:</b>	<b>Sales Order #:</b> 8428217
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Customer Rep:</b> Henderson, Josh	
<b>Well Name:</b> Kaufman		<b>Well #:</b> 43D-25-692	<b>API/UWI #:</b> 05-045-19694
<b>Field:</b> MAMM CREEK	<b>City (SAP):</b> SILT	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.498 deg. OR N 39 deg. 29 min. 52.217 secs.		<b>Long:</b> W 107.605 deg. OR W -108 deg. 23 min. 43.778 secs.	
<b>Contractor:</b> ProPetro Services Inc.		<b>Rig/Platform Name/Num:</b> ProPetro	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srvc Supervisor:</b> HUGENTOBLE, LOGAN	<b>MBU ID Emp #:</b> 447333

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HUGENTOBLE, LOGAN Mark	8	447333	LESTER, LEVI William	8	474117	SIMINEO, JEROD M	8	479954

**Equipment**

HES Unit #	Distance-1 way						
10867425	120 mile	10897891	120 mile	10951247	120 mile	11560046	120 mile
11562538	120 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9/1/11	8	1						
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Form Type</b>		BHST	<b>On Location</b>	01 - Sep - 2011	12:00	MST
<b>Job depth MD</b>	850. ft	<b>Job Depth TVD</b>	850. ft	<b>Job Started</b>	01 - Sep - 2011	15:55
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	3. ft	<b>Job Completed</b>	01 - Sep - 2011	16:54
<b>Perforation Depth (MD)</b>	<i>From</i>	<i>To</i>	<b>Departed Loc</b>	01 - Sep - 2011	20:00	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				.	800.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	800.		

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

Description	Qty	Qty uom	Depth	Supplier
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		20.00	bbl	8.33	.0	.0	5	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	5	13.77
	13.77 Gal	FRESH WATER							
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	5	6.85
	6.85 Gal	FRESH WATER							
4	Displacement		61.00	bbl	8.33	.0	.0	6	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	61	Shut In: Instant		Lost Returns	0	Cement Slurry	80	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	23	Actual Displacement	61	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing	5	Displacement	6	Avg. Job		5	
Cement Left In Pipe	Amount	45ft	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				<b>Customer Representative Signature</b>					

*The Road to Excellence Starts with Safety*

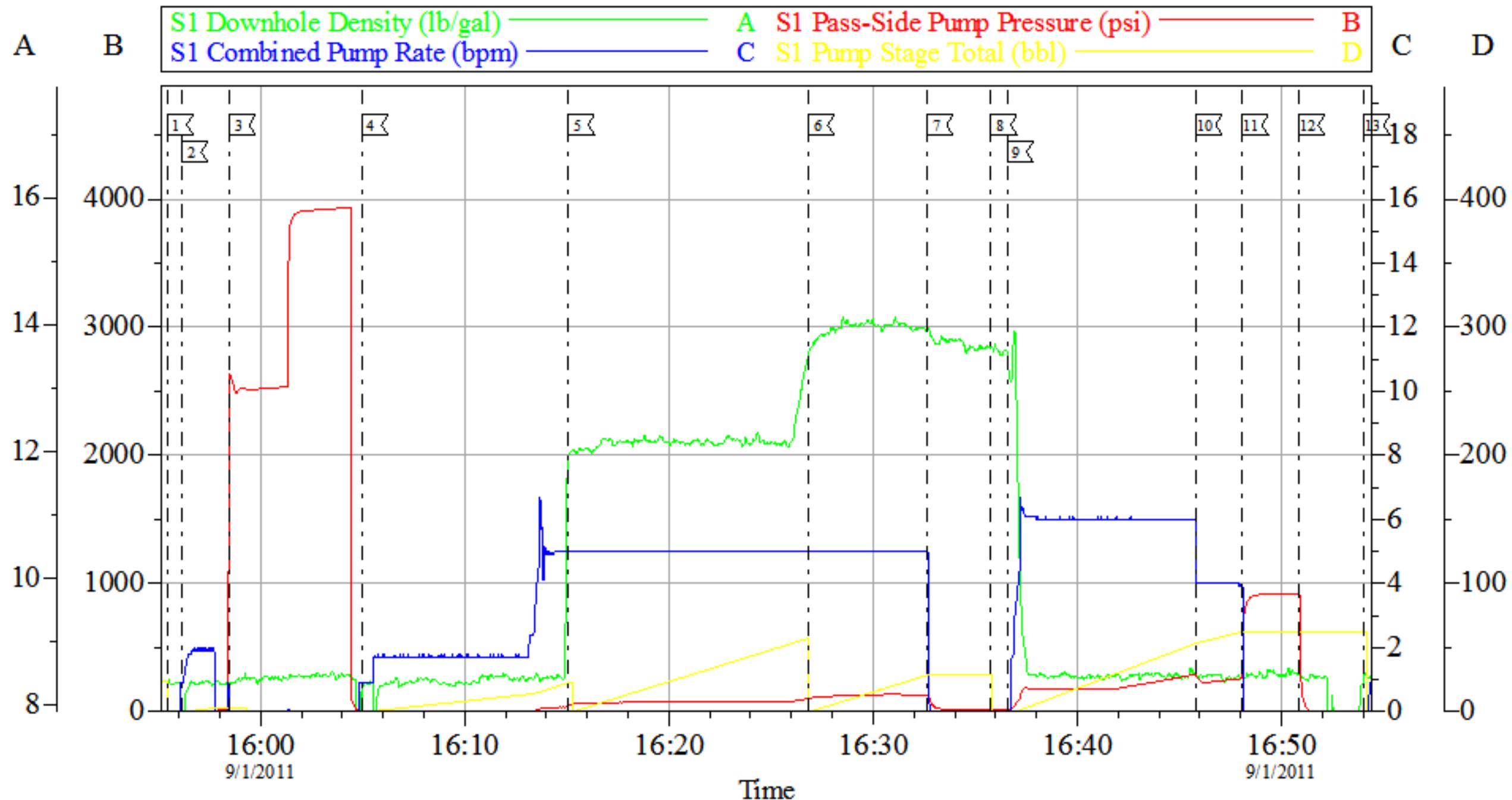
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<b>Legal Description:</b>			
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<b>Contractor:</b> ProPetro Services Inc.		<b>Rig/Platform Name/Num:</b> ProPetro	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srvc Supervisor:</b> HUGENTOBLER, LOGAN	<b>MBU ID Emp #:</b> 447333

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/01/2011 06:00							
Pre-Convoy Safety Meeting	09/01/2011 10:00							ALL HES EMPLOYEES
Arrive At Loc	09/01/2011 12:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	09/01/2011 15:00							ALL HES EMPLOYEES
Rig-Up Equipment	09/01/2011 15:10							1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-450 P/U, 1 PLUG CONTAINER
Pre-Job Safety Meeting	09/01/2011 15:45							ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS
Start Job	09/01/2011 15:55							TP 836 FT, TD 850 FT, FC 791 FT, HOLE 12.25", MUD WT AIR, RATE WILL BE 5, WILL BUMP 500 PSI OVER LAND PSI
Pump Water	09/01/2011 15:56		2	2			18.0	FILL LINES PRIOR TO PRESSURE TESTING LINES
Pressure Test	09/01/2011 15:58							NO LEAKS, KICK OUTS SET TO 3000 PSI FOR TEST.
Pump Spacer 1	09/01/2011 16:04		5	20			57.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	09/01/2011 16:15		5	50			108.0	120 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.38 YIELD, 13.77 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED.
Pump Tail Cement	09/01/2011 16:26		5	30			111.0	120 SKS SWIFTCM CMT TO BE MUIXED AT 14.2 PPG, 1.43 YIELD, 6.85 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED,
Shutdown	09/01/2011 16:32							
Drop Plug	09/01/2011 16:35							PLUG LAUNCHED
Pump Displacement	09/01/2011 16:36		6	61			232.0	FRESH WATER
Slow Rate	09/01/2011 16:45		4				253.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	09/01/2011 16:48						891.0	PLUG LANDED
Check Floats	09/01/2011 16:50							FLOATS HOLDING, 23 BBLS CEMENT TO SURFACE
End Job	09/01/2011 16:54							THANK YOU FOR USING HES LOGAN HUGENTOBLE AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	09/01/2011 17:00							ALL HES EMPLOYEES
Rig-Down Equipment	09/01/2011 17:10							
Pre-Convoy Safety Meeting	09/01/2011 19:50							ALL HES EMPLOYEES
Crew Leave Location	09/01/2011 20:00							LOCATION CLEAN

# BILL BARRETT

## 9.625 SURFACE

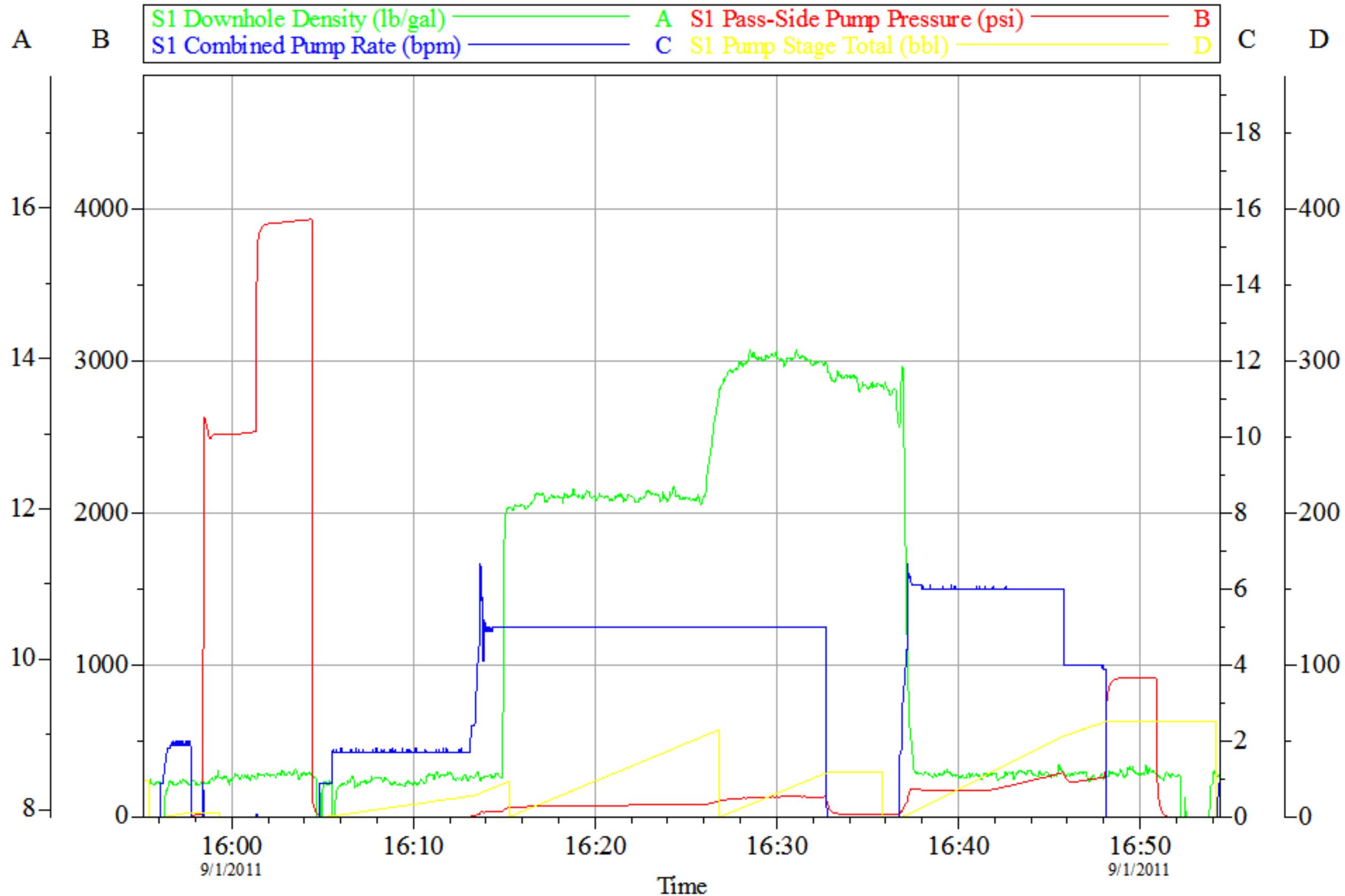


1	START JOB	15:55:25	2	PRIME LINES	15:56:08	3	PRESSURE TEST	15:58:28
4	PUMP H2O SPACER	16:04:57	5	PUMP LEAD CEMENT	16:15:05	6	PUMP TAIL CEMENT	16:26:49
7	SHUTDOWN	16:32:38	8	DROP PLUG	16:35:46	9	PUMP DISPLACEMENT	16:36:34
10	SLOW RATE	16:45:49	11	BUMP PLUG	16:48:04	12	CHECK FLOATS	16:50:50
13	END JOB	16:54:02						

Customer: BILL BARRETT	Job Date: 01-Sep-2011	Sales Order #: 8428217
Well Description: KAUFMAN 43D	Job Type: SURFACE	ADC Used: YES
Company Rep: JOSH HENDERSON	Cement Supervisor: LOGAN HUGENTOBLER	Elite # 5/ Operator: JEROD SIMINEO

# BILL BARRETT

## 9.625 SURFACE



Customer: BILL BARRETT  
Well Description: KAUFMAN 43D  
Company Rep: JOSH HENDERSON

Job Date: 01-Sep-2011  
Job Type: SURFACE  
Cement Supervisor: LOGAN HUGENTOBLER

Sales Order #: 8428217  
ADC Used: YES  
Elite # 5/ Operator: JEROD SIMINEO

Opti Cem v6.4.10  
01-Sep-11 17:03

# HALLIBURTON

## Water Analysis Report

Company: BILL BARRETT

Date: 9/6/2011

Submitted by: LOGAN HUGENTOBLER

Date Rec.: 9/6/2011

Attention: \_\_\_\_\_

S.O.# 8428217

Lease KAUFMAN

Job Type: 9.625 SURFACE

Well # 43D-25-692

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>0 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>190 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>below 200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>65 Deg</b>
Total Dissolved Solids		<b>310 Mg / L</b>

Respectfully: LOGAN HUGENTOBLER

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 c

<b>Sales Order #:</b> 8428217	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 9/1/2011
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> JOSH HENDERSON		<b>API / UWI: (leave blank if unknown)</b> 05-045-19694
<b>Well Name:</b> Kaufman		<b>Well Number:</b> 43D-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	9/1/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	LOGAN HUGENTOBLE (HB15210)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	JOSH HENDERSON
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

<b>CUSTOMER SIGNATURE</b>
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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>	9/1/2011
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	8
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	0
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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	6
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 8428217	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 9/1/2011
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<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	98
<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	98
<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