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**BILL BARRETT CORPORATION E-BILL**

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**GGU 14C-30-691  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
26-Feb-2012

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 343492	<b>Ship To #:</b> 2908821	<b>Quote #:</b>	<b>Sales Order #:</b> 9313864
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL		<b>Customer Rep:</b> Lauer, Casey	
<b>Well Name:</b> GGU		<b>Well #:</b> 14C-30-691	<b>API/UWI #:</b> 05-045-21255
<b>Field:</b> MAMM CREEK	<b>City (SAP):</b> SILT	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.492 deg. OR N 39 deg. 29 min. 32.701 secs.		<b>Long:</b> W 107.606 deg. OR W -108 deg. 23 min. 40.153 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> SMITH, DUSTIN	<b>MBU ID Emp #:</b> 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	453940	KUKUS, CHRISTOPHER A	3	413952	MILLER II, MATTHEW Reginald	3	425164
SMITH, DUSTIN Michael	3	418015						

**Equipment**

HES Unit #	Distance-1 way						
10567589C	120 mile	10722398	120 mile	11139330	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
2/26/12	3	1.5						

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

**Job**

**Job Times**

Formation Name				Date	Time	Time Zone
<b>Formation Depth (MD)</b>	<b>Top</b>	<b>Bottom</b>		<b>Called Out</b>	26 - Feb - 2012	09:00 MST
<b>Form Type</b>	BHST			<b>On Location</b>	26 - Feb - 2012	12:30 MST
<b>Job depth MD</b>	725. ft	<b>Job Depth TVD</b>	725. ft	<b>Job Started</b>	26 - Feb - 2012	13:58 MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	. ft	<b>Job Completed</b>	26 - Feb - 2012	14:51 MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>		<b>Rig Down Equip</b>	Feb-26-2012	15:15 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

**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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

**Stage/Plug #: 1**

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1										
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	
	13.77 Gal	FRESH WATER								
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	Displacement		51.10	bbl	8.33			6.0		
Calculated Values		Pressures			Volumes					
Displacement	51.1	Shut In: Instant		Lost Returns	0	Cement Slurry	81.5	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	51.1	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	152.6	
Rates										
Circulating		Mixing	6	Displacement	6	Avg. Job			6	
Cement Left In Pipe	Amount	44.9 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*

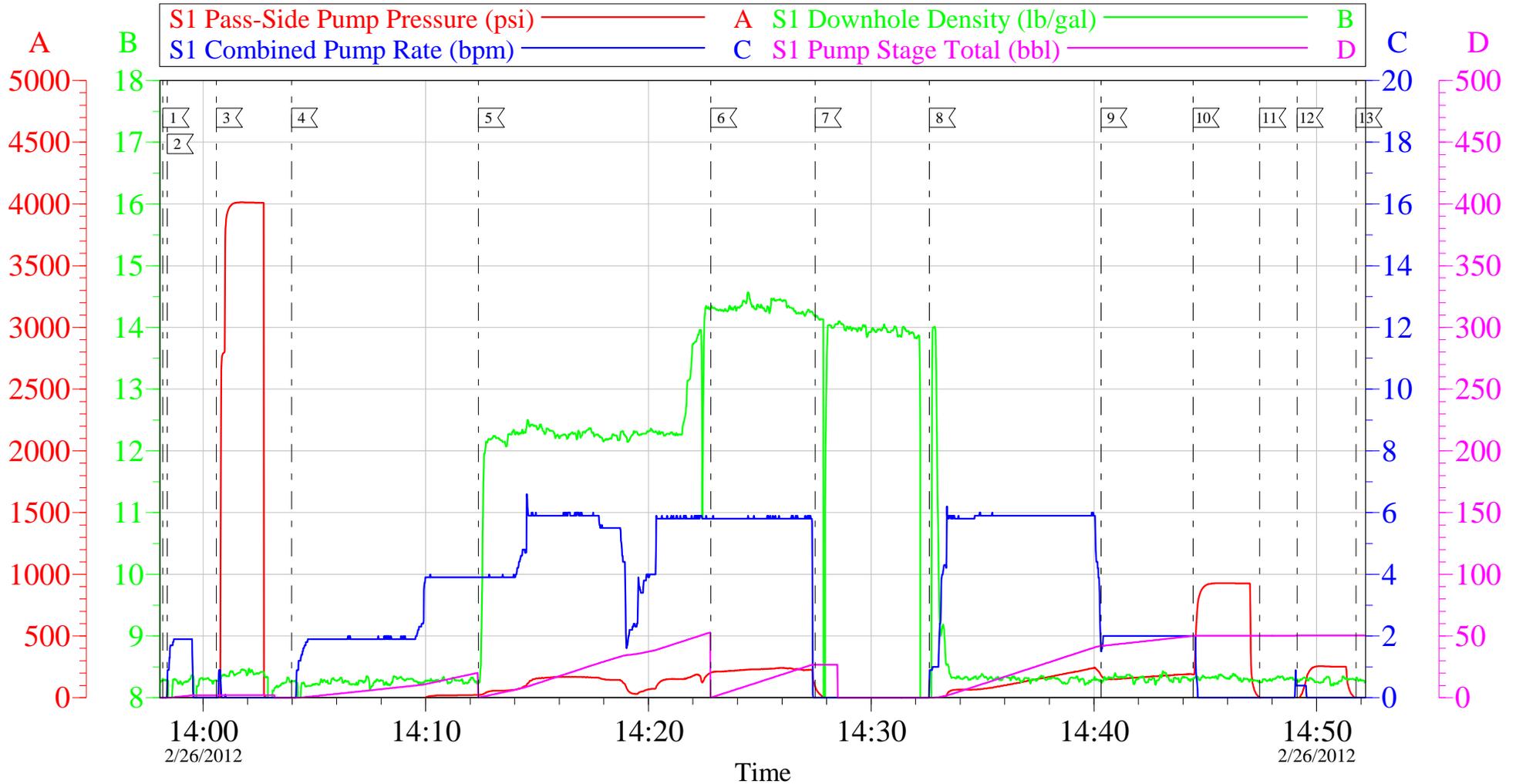
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<b>Legal Description:</b>			
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<b>Contractor:</b> ProPetro Services Inc.		<b>Rig/Platform Name/Num:</b> ProPetro	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srvc Supervisor:</b> 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	02/26/2012 09:00							ELITE # 3 ALREADY ON LOCATION
Depart Yard Safety Meeting	02/26/2012 10:30							ALL HES EMPLOYEES
Arrive At Loc	02/26/2012 12:30							ARRIVE BACK ON LOCATION WITH BULK TRUCKS FOR THE NEXT 2 JOBS
Assessment Of Location Safety Meeting	02/26/2012 12:35							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	02/26/2012 12:35							ALL HES EMPLOYEES
Rig-Up Equipment	02/26/2012 12:55							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK
Pre-Job Safety Meeting	02/26/2012 13:30							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	02/26/2012 13:58							
Start Job	02/26/2012 13:58							TD: 725 TP: 705.8 SJ: 44.9 9 5/8 36# CSG 12 1/4 O.H. HOLE DRILLED WITH AIR NO FLUID IN WELL
Test Lines	02/26/2012 14:00					4025.0		PRESSURE TEST OK
Pump Spacer	02/26/2012 14:03		4	20	20		38.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	02/26/2012 14:12		6	50.9	50.9		183.0	120 SKS 12.3 PPG 2.38 YIELD 13.77 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT HAD TO SLOW DOWN ON LEAD CEMENT DUE TO SUCK TRUCK NOT KEEPING UP
Pump Tail Cement	02/26/2012 14:22		6	30.6	30.6		238.0	120 SKS 14.2 PPG 1.43 YIELD 6.85 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Shutdown	02/26/2012 14:27							
Drop Plug	02/26/2012 14:27							JOB PUMPED THROUGH SWAGE
Pump Displacement	02/26/2012 14:32		6	51.1	51.1		254.0	FRESH WATER
Slow Rate	02/26/2012 14:40		2	41	41		206.0	SLOW RATE TO BUMP PLUG
Bump Plug	02/26/2012 14:44		2	51.1	51.1		942.0	PSI BEFORE BUMPING PLUG @ 206 BUMPED PLUG UP TO 942 PSI
Check Floats	02/26/2012 14:47							FLOATS HELD 3/4 BBL BACK TO DISPLACEMENT TANK 30 BBLS CEMENT TO SURFACE RIG USED NO SUGAR
End Job	02/26/2012 14:51							PRESSURED UP TO 200 PSI AND SHUTIN 2 INCH ON SWAGE
Pre-Rig Down Safety Meeting	02/26/2012 15:00							ALL HES EMPLOYEES
Comment	02/26/2012 15:15							THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW
Rig-Down Equipment	02/26/2012 15:15							RIG DOWN AND WAIT FOR RIG TO DRILL NEXT WELL

# BILL BARRETT GGU 14C-30-691

## 9 5/8 SURFACE

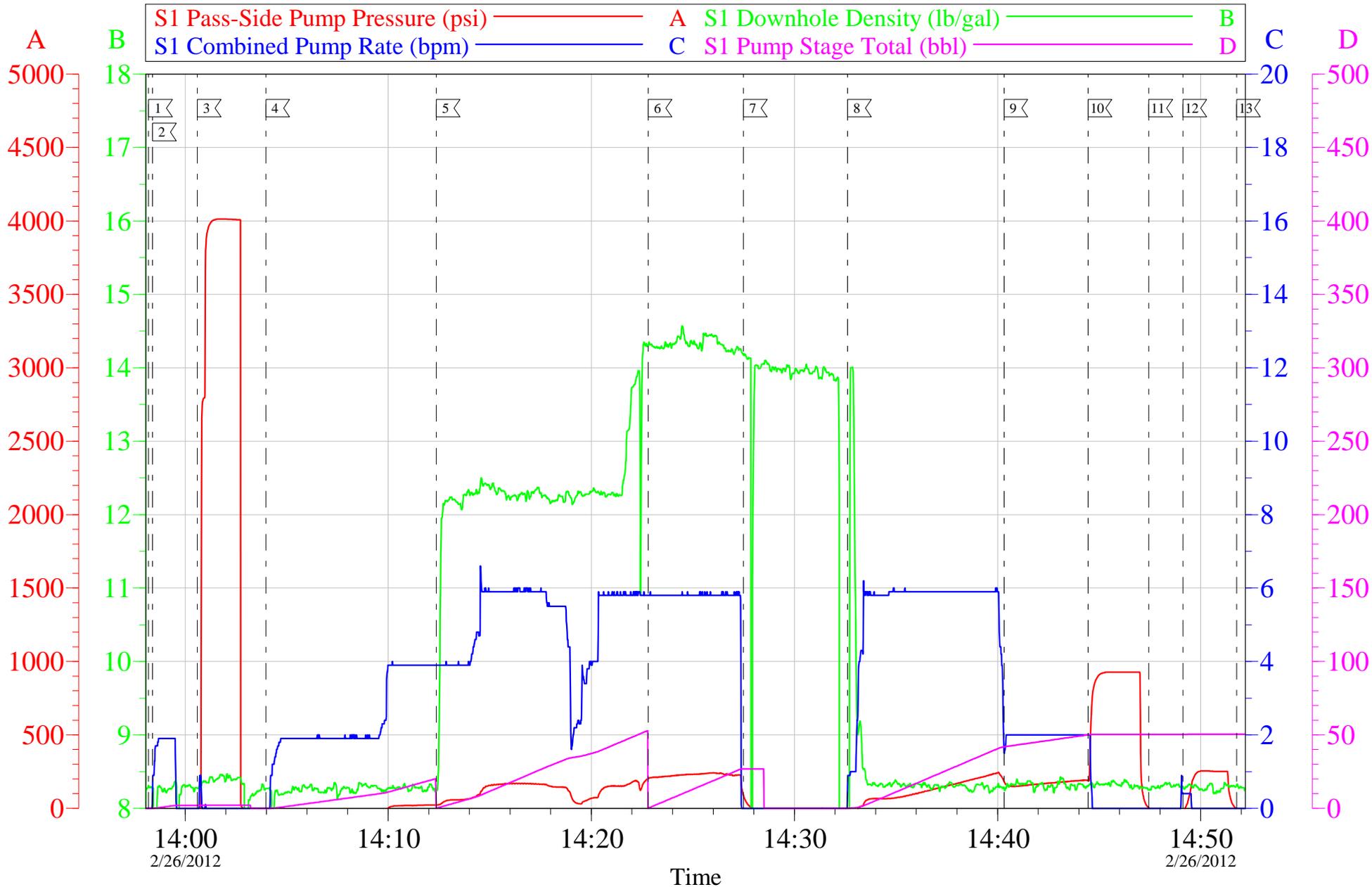


Local Event Log								
1	START JOB	13:58:12	2	FILL LINES	13:58:24	3	TEST LINES	14:00:36
4	PUMP H2O SPACER	14:03:59	5	PUMP LEAD CEMENT	14:12:22	6	PUMP TAIL CEMENT	14:22:48
7	SHUTDOWN/ DROP PLUG	14:27:29	8	PUMP DISPLACEMENT	14:32:37	9	SLOW RATE	14:40:19
10	BUMP PLUG	14:44:27	11	CHECK FLOATS	14:47:27	12	PRESSURE UP/ SHUTIN WELL	14:49:08
13	RELEASE PRESSURE/ END JOB	14:51:46						

Customer: BILL BARRETT	Job Date: 26-Feb-2012	Sales Order #: 9313864
Well Description: GGU 14C-30-691	Job Type: 9 5/8 SURFACE	ADC Used: YES
Company Rep: CASEY LAUER	Cement Supervisor: DUSTIN SMITH	Elite #: 3 REGGIE MILLER

# BILL BARRETT GGU 14C-30-691

## 9 5/8 SURFACE



Customer: BILL BARRETT	Job Date: 26-Feb-2012	Sales Order #: 9313864
Well Description: GGU 14C-30-691	Job Type: 9 5/8 SURFACE	ADC Used: YES
Company Rep: CASEY LAUER	Cement Supervisor: DUSTIN SMITH	Elite #: 3 REGGIE MILLER

# HALLIBURTON

## Water Analysis Report

Company: BILL BARRETT

Date: 2/26/2012

Submitted by: DUSTIN SMITH

Date Rec.: 2/26/2012

Attention: J. TROUT/C.MARTINEZ

S.O.# 9313864

Lease GGU

Job Type: SURFACE

Well # 14C-30-691

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>6.8</b>
Potassium (K)	<i>5000</i>	<b>0 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>45 Deg</b>
Total Dissolved Solids		<b>380 Mg / L</b>

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

<b>Sales Order #:</b> 9313864	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 2/26/2012
<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> 05-045-21255
<b>Well Name:</b> GGU		<b>Well Number:</b> 14C-30-691
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<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	2/26/2012
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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### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	2/26/2012
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>	1.5
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

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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