
BILL BARRETT CORPORATION E-BILL

**GGU 13B-30-691
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
27-Feb-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2908823	Quote #:	Sales Order #: 9306401
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Lauer, Casey	
Well Name: GGU		Well #: 13B-30-691	API/UWI #: 05-045-21256
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.492 deg. OR N 39 deg. 29 min. 32.86 secs.		Long: W 107.606 deg. OR W -108 deg. 23 min. 40.157 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		Srvc 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	11.5	453940	KUKUS, CHRISTOPHER A	11.5	413952	MILLER II, MATTHEW Reginald	11.5	425164
SMITH, DUSTIN Michael	11.5	418015	SMITH, DUSTIN Michael	11.5	418015			

Equipment

HES Unit #	Distance-1 way						
10567589C	120 mile	10867304	120 mile	10998054	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
02/27/2012	11.5	2						
TOTAL	<i>Total is the sum of each column separately</i>							

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	27 - Feb - 2012	04:30	MST
Form Type		BHST	Job Started	27 - Feb - 2012	19:13	MST
Job depth MD	760. ft	Job Depth TVD	760. ft	Job Completed	27 - Feb - 2012	20:04
Water Depth		Wk Ht Above Floor	. ft			
Perforation Depth (MD)	<i>From</i>	<i>To</i>				

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/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	.	742.98		

Sales/Rental/3rd 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 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 Flid	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 ³ /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
	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		53.9	bbl	8.33			6.0	
Calculated Values		Pressures		Volumes					
Displacement	53.9	Shut In: Instant		Lost Returns	0	Cement Slurry	81.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	28	Actual Displacement	53.9	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	155.4
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	44.93ft	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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Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: ProPetro Services Inc.		Rig/Platform Name/Num: ProPetro	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: METLI, MARSHALL		Srvc Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/27/2012 04:30							ELITE # 3
Depart Yard Safety Meeting	02/27/2012 06:00							ALL HES EMPLOYEES
Arrive At Loc	02/27/2012 08:30							
Assessment Of Location Safety Meeting	02/27/2012 08:40							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	02/27/2012 18:00							ALL HES EMPLOYEES
Rig-Up Equipment	02/27/2012 18:20							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK
Pre-Job Safety Meeting	02/27/2012 19:05							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	02/27/2012 19:13							
Start Job	02/27/2012 19:13							TD:760 TP: 742.98 SJ: 44.93 9 5/8 36# CSG 12 1/4 OH HOLE DRILLED WITH AIR NO WELL FLUID IN HOLE
Test Lines	02/27/2012 19:15					3868.0		PRESSURE TEST OK
Pump Spacer	02/27/2012 19:18		4	20	20		40.0	FRESH WATER
Pump Lead Cement	02/27/2012 19:26		6	50.9	50.9		199.0	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	

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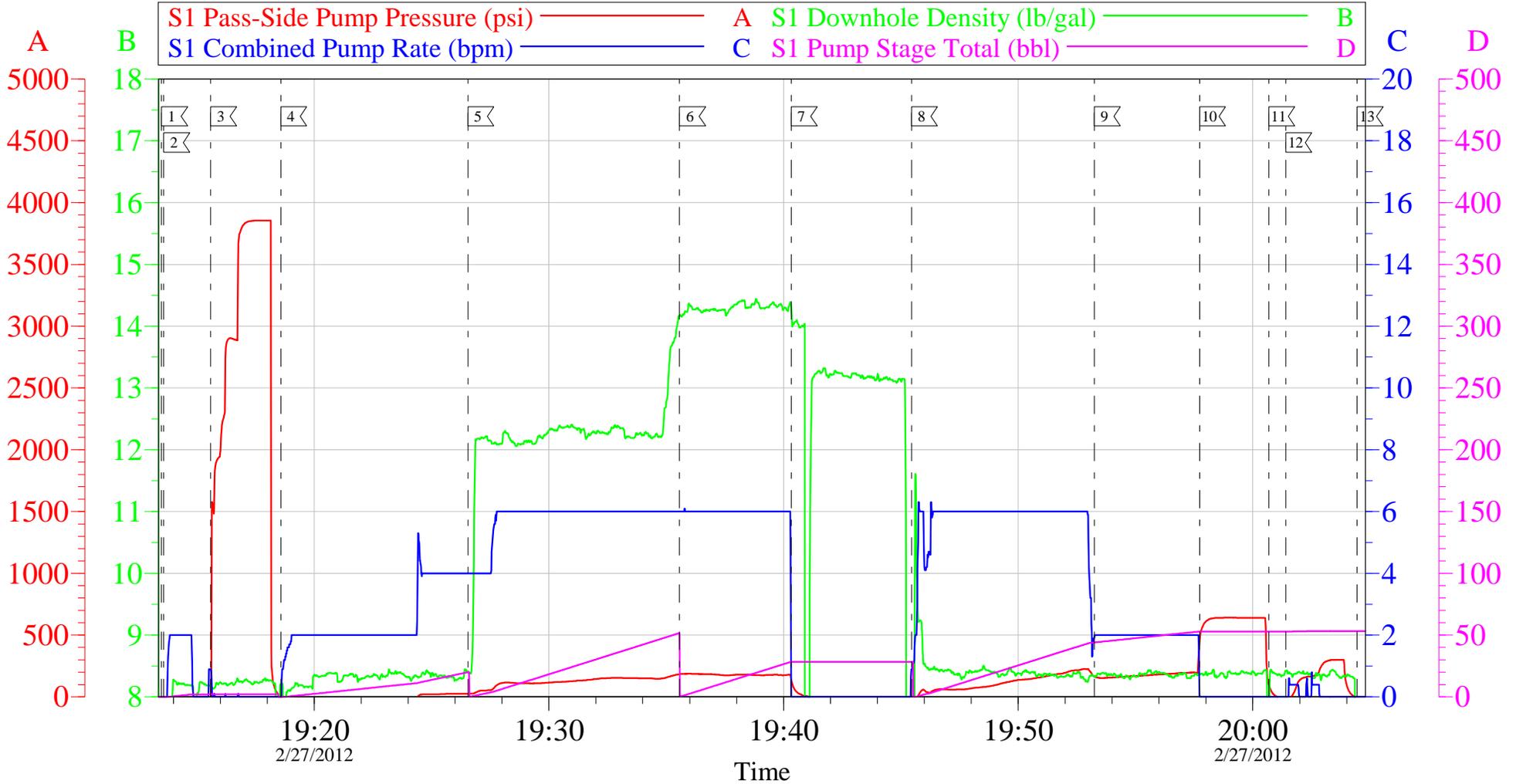
SUMMIT Version: 7.3.0021

Saturday, March 03, 2012 09:44:00

Pump Tail Cement	02/27/2012 19:35		6	30.6	30.6		200.0	120 SKS 14.2 PPG 1.43 YIELD 6.85 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Shutdown	02/27/2012 19:40							
Drop Plug	02/27/2012 19:40							JOB PUMPED THROUGH SWAGE
Pump Displacement	02/27/2012 19:45		6	53.9	53.9		265.0	FRESH WATER
Slow Rate	02/27/2012 19:53		2	43.9	43.9		198.0	SLOW RATE TO BUMP PLUG
Bump Plug	02/27/2012 19:57		2	53.9	53.9		670.0	PSI BEFORE BUMPING PLUG @ 230 PSI BUMPED PLUG UP TO 670 PSI
Check Floats	02/27/2012 20:00							FLOATS HELD 1/2 BBL BACK TO DISPLACEMENT TANKS 28 BBLS OF CEMENT TO SURFACE RIG USED NO SUGAR
End Job	02/27/2012 20:04							PRESSURE UP TO 200 PSI AND SHUT IN WELL AT 2 INCH ON SWAGE
Pre-Rig Down Safety Meeting	02/27/2012 20:10							ALL HES EMPLOYEES
Rig-Down Equipment	02/27/2012 20:30							RIG DOWN AND REMAIN ON LOCATION FOR RIG TO DRILL NEXT WELL
Comment	02/27/2012 20:30							THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW

BILL BARRETT GGU 13B-30-691

9 5/8 SURFACE

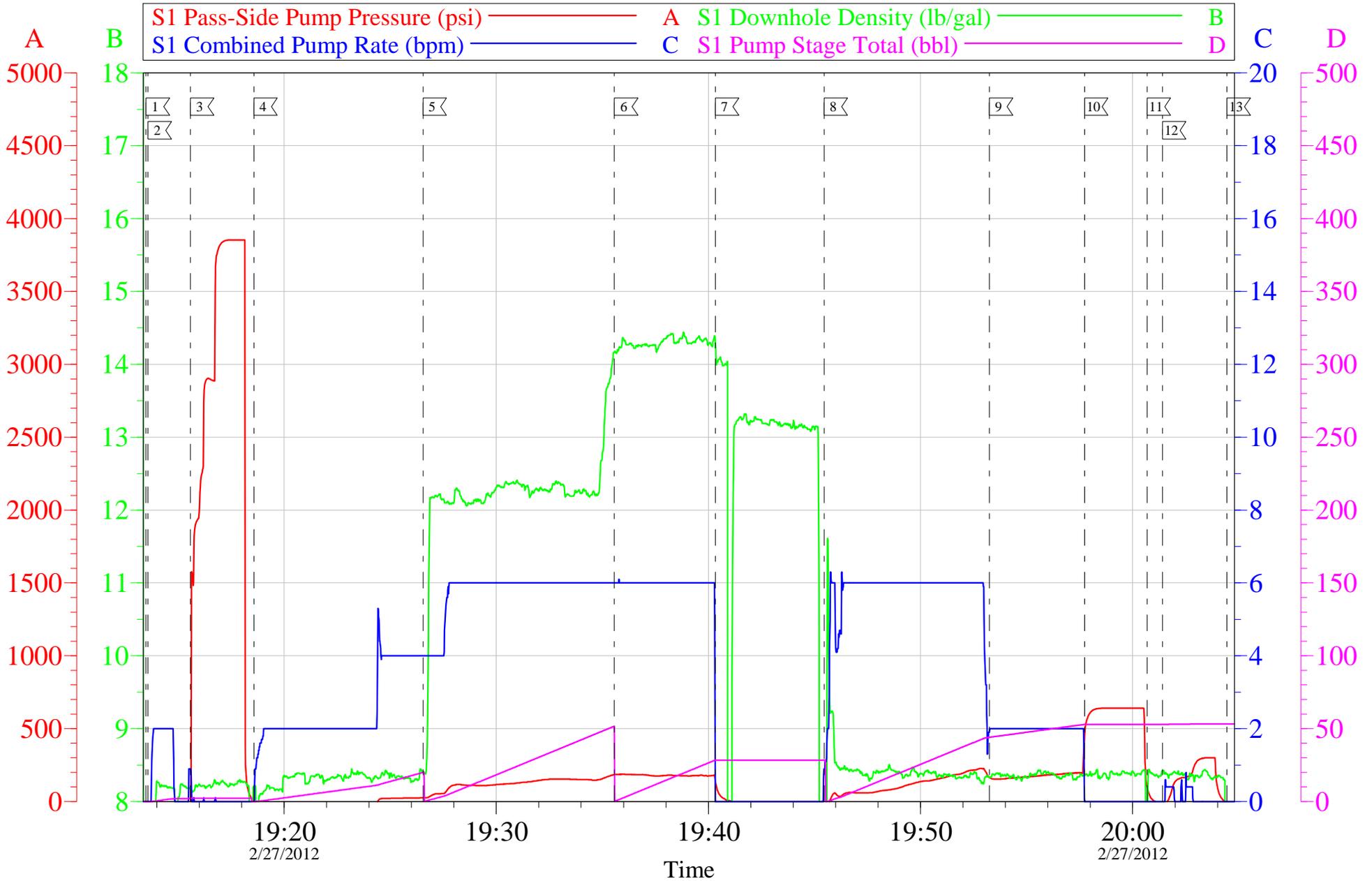


Local Event Log								
1	START JOB	19:13:30	2	FILL LINES	19:13:35	3	TEST LINES	19:15:35
4	PUMP SPACER	19:18:34	5	PUMP LEAD CEMENT	19:26:33	6	PUMP TAIL CEMENT	19:35:34
7	SHUTDOWN/ DROP PLUG	19:40:20	8	PUMP DISPLACEMENT	19:45:27	9	SLOW RATE	19:53:15
10	BUMP PLUG	19:57:44	11	CHECK FLOATS	20:00:41	12	PRESSURE UP/ SHUTIN WELL	20:01:24
13	RELEASE PRESSURE/ END	20:04:26						

Customer:	BILL BARRETT	Job Date:	27-Feb-2012	Sales Order #:	9306401
Well Description:	GGU 13B-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 13B-30-691

9 5/8 SURFACE



Customer: BILL BARRETT	Job Date: 27-Feb-2012	Sales Order #: 9306401
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Company Rep: CASEY LAUER	Cement Supervisor: DUSTIN SMITH	Elite #: 3 REGGIE MILLER

HALLIBURTON

Water Analysis Report

Company: BILL BARRETT

Date: 2/27/2012

Submitted by: DUSTIN SMITH

Date Rec.: 2/27/2012

Attention: J. TROUT/C.MARTINEZ

S.O.# 9306401

Lease GGU

Job Type: SURFACE

Well # 13B-30-691

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	39 Deg
Total Dissolved Solids		330 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

Sales Order #: 9306401	Line Item: 10	Survey Conducted Date: 2/27/2012
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-21256
Well Name: GGU		Well Number: 13B-30-691
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: 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	2/27/2012
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	

CUSTOMER SIGNATURE

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Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	2/27/2012
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	2
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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H2S Present: No	Well State: Colorado	Well County: Garfield

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