
BILL BARRETT CORPORATION E-BILL

**FEDERAL 44C-33-691
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2896388	Quote #:	Sales Order #: 9132798
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Lauer, Casey	
Well Name: FEDERAL	Well #: 44C-33-691	API/UWI #: 05-045-20867	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.479 deg. OR N 39 deg. 28 min. 45.152 secs.		Long: W 107.553 deg. OR W -108 deg. 26 min. 48.214 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: FLING, MATTHEW		Srvc Supervisor: ROSS, CHARLES	MBU ID Emp #: 453128

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
KUKUS, CARLTON Dean	6	458577	ROSS, CHARLES Raymond	6	453128	WOLFE, JON P	6	485217
YOUNG, JEREMY R	6	418013						

Equipment

HES Unit #	Distance-1 way						
10867531	120 mile	10871245	120 mile	10989685	120 mile	11259881	120 mile
11360881	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
DEC 28, 2011	5	1						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	28 - Dec - 2011	03:45 MST
Form Type BHST	On Location	28 - Dec - 2011	09:15 MST
Job depth MD 876. ft Job Depth TVD 876. ft	Job Started	28 - Dec - 2011	12:33 MST
Water Depth Wk Ht Above Floor 3. ft	Job Completed	28 - Dec - 2011	13:33 MST
Perforation Depth (MD) From To	Departed Loc	28 - Dec - 2011	14:55 MST

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				.	876.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	869.5		

Sales/Rental/3rd 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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8"	1	
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
1	Water Spacer		40.00	bbl	8.34	.0	.0	7.0	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	125.0	sacks	12.3	2.38	13.77	7.0	13.77
	13.77 Gal	FRESH WATER							
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	125.0	sacks	14.2	1.43	6.85	7.0	6.85
	6.85 Gal	FRESH WATER							
4	Displacement		63.00	bbl	8.3			7.0	
Calculated Values		Pressures			Volumes				
Displacement	63.8	Shut In: Instant		Lost Returns		Cement Slurry	85	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	63.8	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	189
Rates									
Circulating	0	Mixing	5	Displacement	5	Avg. Job			3.2
Cement Left In Pipe	Amount	44.2 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

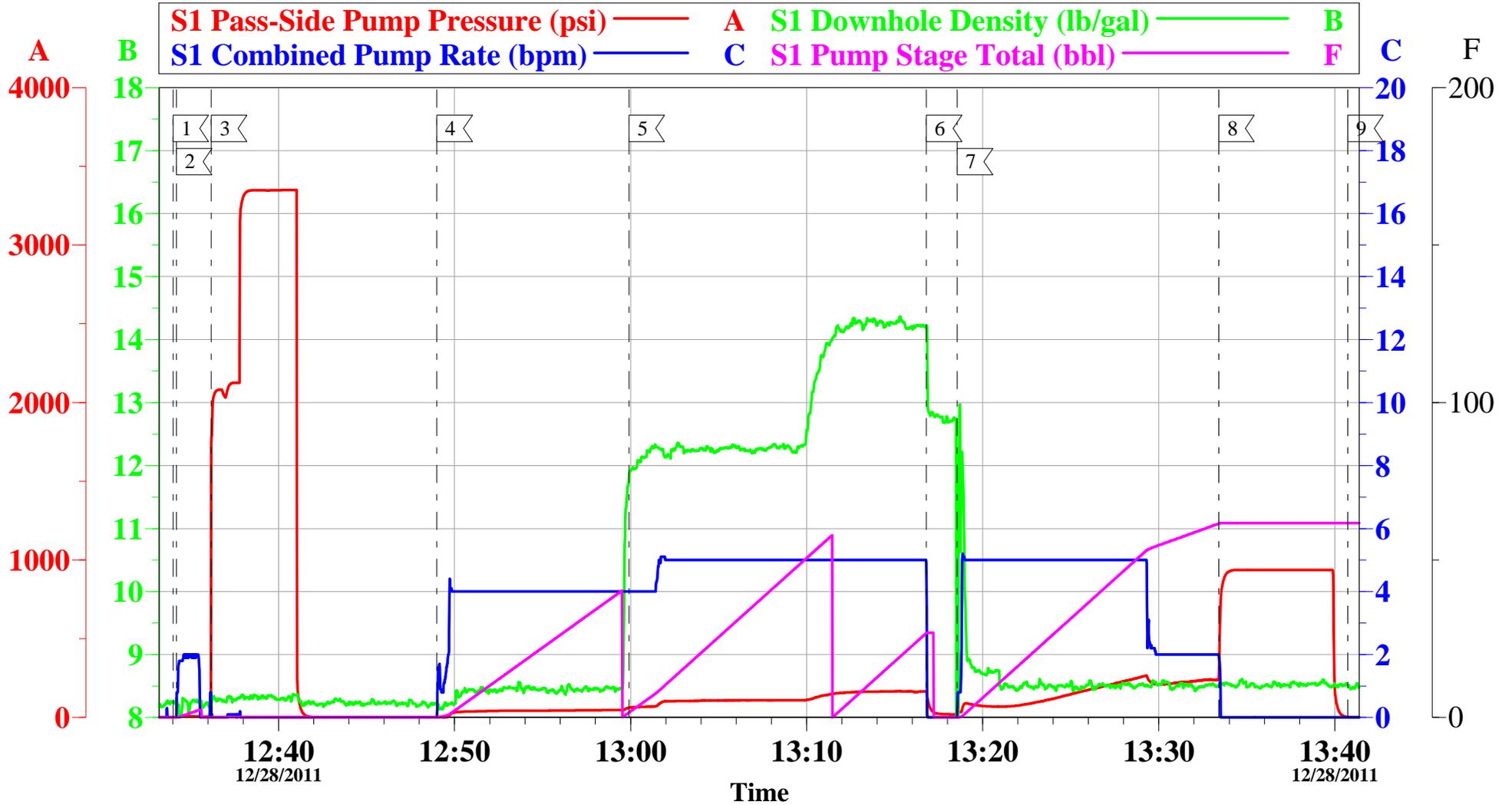
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Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: ProPetro Services Inc.	Rig/Platform Name/Num: ProPetro		
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW	Srvc Supervisor: ROSS, CHARLES	MBU ID Emp #: 453128	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/28/2011 03:45							
Pre-Convoy Safety Meeting	12/28/2011 06:50							WITH ALL HES EE'S
Depart from Service Center or Other Site	12/28/2011 07:00							
Arrive at Location from Service Center	12/28/2011 09:15							
Assessment Of Location Safety Meeting	12/28/2011 09:35							WITH ALL HES EE'S
Pre-Rig Up Safety Meeting	12/28/2011 09:45							WITH ALL HES EE'S
Rig-Up Equipment	12/28/2011 09:50							1-F550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 CEMENT BULK TRUCK, 1-HARD LINE TO RIG AND WASH UP OUT TO THE CELLAR FROM MANIFOLD, 1- 9 5/8" PLUG CONTAINER.
Pre-Job Safety Meeting	12/28/2011 12:06							WITH ALL HES EE'S AND RIG CREW
Start Job	12/28/2011 12:33							TD 876, 9 5/8 36# CASING SET @ 869.5, SJ 44.2, FC 825.3 MW# 0 (AIR DRILLED).
Pump Water	12/28/2011 12:34		2	2			20.0	FILL LINES, FRESH WATER
Test Lines	12/28/2011 12:35							TEST TO 3000 PSI
Pump Spacer 1	12/28/2011 12:49		4	40			47.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	12/28/2011 13:00		5	53			150.0	125 SKS OF VERSACEM PUMPED @ 12.3 PPG, YIELD 2.38, WATER 13.77
Pump Tail Cement	12/28/2011 13:11		5	31.8			166.0	125 SKS OF SWIFTCEM PUMPED @ 14.2 PPG, YIELD 1.43, WATER 6.85
Shutdown	12/28/2011 13:16							
Drop Plug	12/28/2011 13:17							TOP PLUG, PLUG WENT
Pump Displacement	12/28/2011 13:18		10	53			267.0	FRESH WATER
Slow Rate	12/28/2011 13:28		2	10			220.0	RATE SLOWED 10 BBL PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	12/28/2011 13:33				63.8		250.0	PLUG LANDED. PRESSURED UP TO 900 PSI.
Check Floats	12/28/2011 13:39							FLOATS HELD
End Job	12/28/2011 13:40							GOOD RETURNS THROUGHOUT JOB, NO MOVEMENT OF PIPE THROUGHOUT JOB, 25 BBLS OF CEMENT CIRCULATED TO THE PIT=59 SKS
Post-Job Safety Meeting (Pre Rig-Down)	12/28/2011 13:45							WITH ALL HES EE'S
Rig-Down Equipment	12/28/2011 13:50							
Pre-Convoy Safety Meeting	12/28/2011 14:50							WITH ALL HES EE'S
Depart Location for Service Center or Other Site	12/28/2011 14:55							THANKS FOR USING GRAND JUNCTION HALLIBURTON CEMENT DEPARTMENT, CHUCK ROSS AND CREW

Bill Barrett

Surface

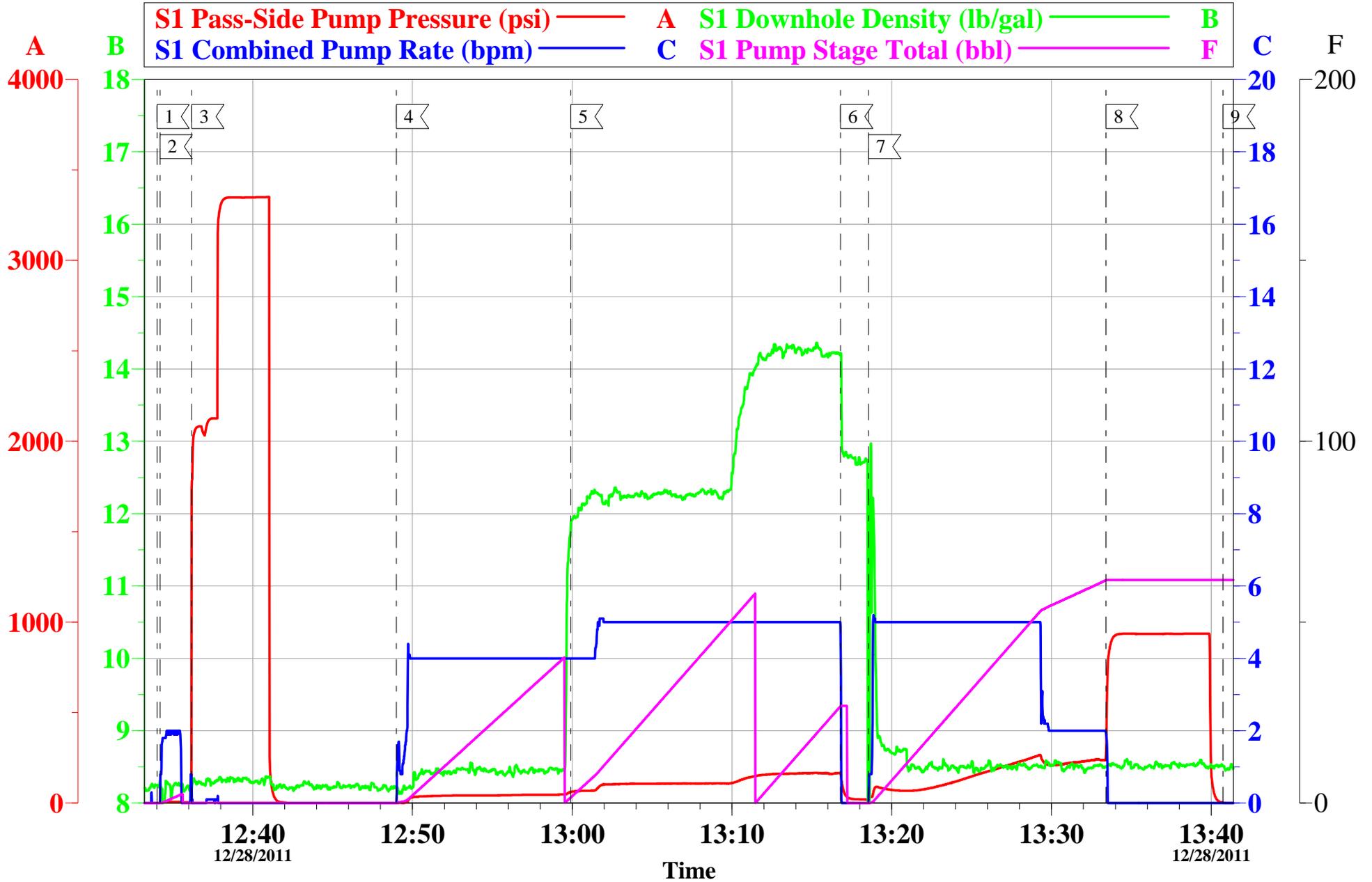


Local Event Log								
1	START JOB	12:34:00	2	FILL LINES	12:34:12	3	PRESSURE TEST	12:36:11
4	PUMP SPACER	12:49:00	5	PUMP CEMENT	12:59:55	6	SHUT DOWN	13:16:48
7	PUMP DISPLACEMENT	13:18:33	8	SHUT DOWN / BUMP PLUG	13:33:25	9	END JOB	13:40:44

Customer: Bill Barrett	Job Date: 28-Dec-2011	Sales Order #: 9132798
Well Description: Fed 44c-33-691	Job type: Surface	ADC Used: Yes
Customer Rep: Casey Lauer	Service Supervisor: Chuck Ross	Operator/ Pump: Carl Kukus

Bill Barrett

Surface



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Customer Rep: Casey Lauer	Service Supervisor: Chuck Ross	Operator/ Pump: Carl Kukus

HALLIBURTON

Water Analysis Report

Company: BILL BARRETT
Submitted by: CHUCK ROSS
Attention: JON TROUT
Lease FED
Well # 44C-33-691

Date: 12/28/2011
Date Rec.: 12/28/2011
S.O.# 9132798
Job Type: 9 5/8" SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>200 Mg / L</i>
Calcium (Ca)	<i>500</i>	<i>120 Mg / L</i>
Iron (FE2)	<i>300</i>	<i>0 Mg / L</i>
Chlorides (Cl)	<i>3000</i>	<i>0 Mg / L</i>
Sulfates (SO ₄)	<i>1500</i>	<i><200 Mg / L</i>
Chlorine (Cl ₂)		<i>NA Mg / L</i>
Temp	<i>40-80</i>	<i>42 Deg</i>
Total Dissolved Solids		<i>430 Mg / L</i>

Respectfully: CHUCK ROSS

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.

Sales Order #: 9132798	Line Item: 10	Survey Conducted Date: 12/28/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-20867
Well Name: FEDERAL		Well Number: 44C-33-691
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	12/28/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHARLES ROSS (HB20648)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	CASEY LAUER
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	

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	12/28/2011
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	Deviated
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	5
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	5
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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Well Type: Development Well	Well Country: United States of America	
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	98
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	98
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