
BILL BARRETT CORPORATION E-BILL

**FEDERAL 14A-34-691
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 2896387		Quote #:		Sales Order #: 9132796	
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Lauer, Casey			
Well Name: FEDERAL			Well #: 14A-34-691		API/UWI #: 05-045-20861		
Field: MAMM CREEK		City (SAP): SILT		County/Parish: Garfield		State: Colorado	
Lat: N 39.479 deg. OR N 39 deg. 28 min. 45.055 secs.				Long: W 107.553 deg. OR W -108 deg. 26 min. 48.199 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	12	458577	ROSS, CHARLES Raymond	12	453128	WOLFE, JON P	12	485217
YOUNG, JEREMY R	12	418013						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10784080	120 mile	10804579	120 mile	10871245	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 29, 2011	11	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	23:00 MST
Form Type	BHST				On Location	28 - Dec - 2011	23:00 MST
Job depth MD	830. ft		Job Depth TVD	830. ft	Job Started	29 - Dec - 2011	08:27 MST
Water Depth			Wk Ht Above Floor	4. ft	Job Completed	29 - Dec - 2011	09:23 MST
Perforation Depth (MD)	From	To			Departed Loc	29 - Dec - 2011	10:40 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				.	830.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	813.2		

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		

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	HWE
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 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	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		59.40	bbl	9.			7.0		
Calculated Values		Pressures		Volumes						
Displacement	59.4	Shut In: Instant		Lost Returns	NONE	Cement Slurry	85	Pad		
Top Of Cement	SURF	5 Min		Cement Returns	30	Actual Displacement	59.4	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	165	
Rates										
Circulating		Mixing	5	Displacement	5	Avg. Job	4.6			
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

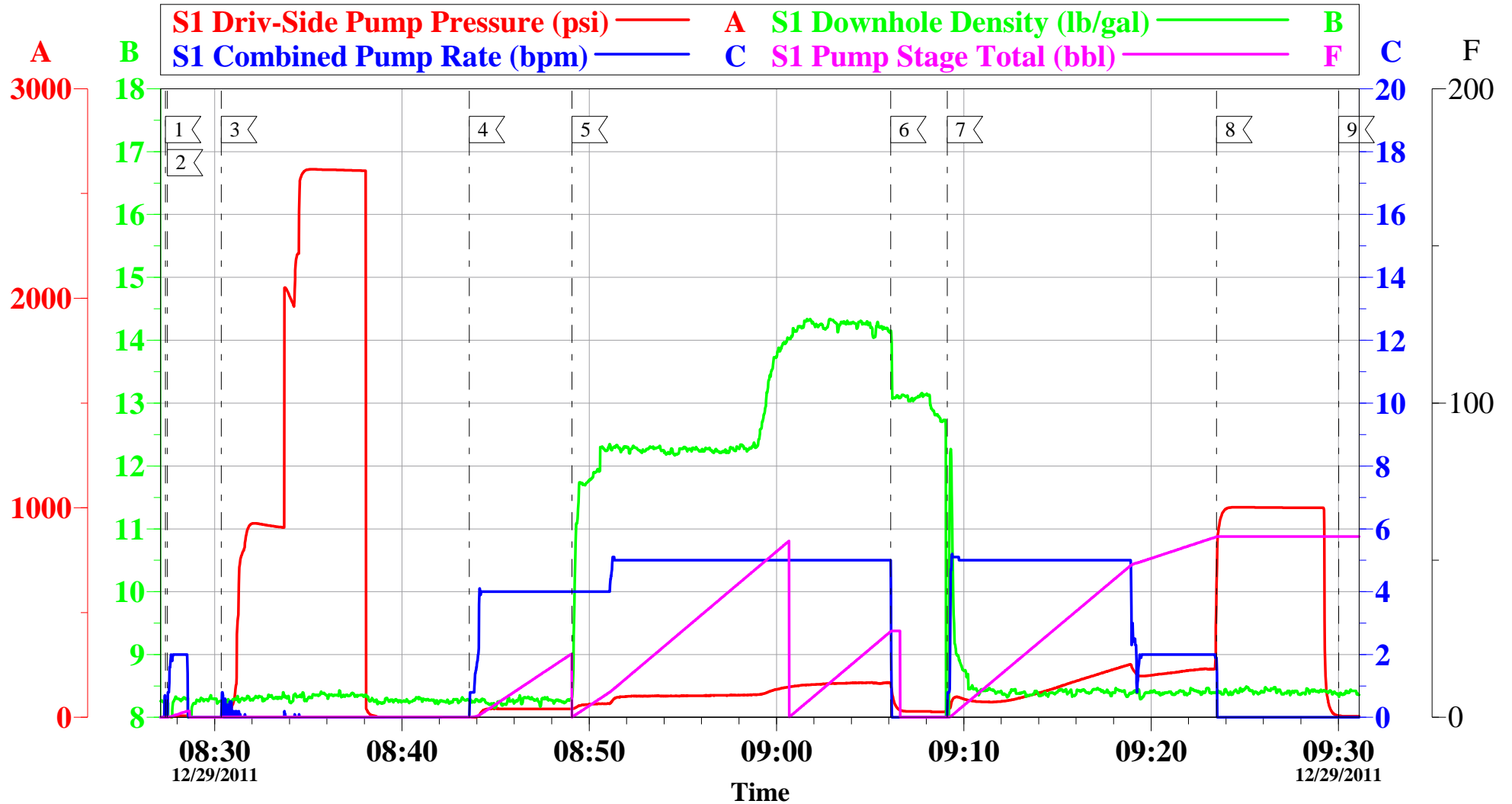
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Well Name: FEDERAL	Well #: 14A-34-691	API/UWI #: 05-045-20861	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.479 deg. OR N 39 deg. 28 min. 45.055 secs.		Long: W 107.553 deg. OR W -108 deg. 26 min. 48.199 secs.	
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 23:00							ALREADY ON LOCATION FROM PREVIOUS SURFACE
Arrive at Location from Service Center	12/28/2011 23:00							ALREADY ON LOCATION FROM PREVIOUS SURFACE.
Assessment Of Location Safety Meeting	12/29/2011 07:15							WITH ALL HES EE'S
Pre-Rig Up Safety Meeting	12/29/2011 07:17							WITH ALL HES EE'S
Rig-Up Equipment	12/29/2011 07:20							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	12/29/2011 08:15							WITH ALL HES EE'S AND RIG CREW
Start Job	12/29/2011 08:27							TD 830, 9 5/8 36# CASING SET @ 813.2, SJ 44.4, FC 768.8 MW# 0 (AIR DRILLED)
Pump Water	12/29/2011 08:27		2	2			5.0	FILL LINES, FRESH WATER
Test Lines	12/29/2011 08:29							TEST TO 3000 PSI
Pump Spacer 1	12/29/2011 08:43		4	20			40.0	FRESH WATER
Pump Lead Cement	12/29/2011 08:48		5	53			140.0	125 SKS OF VERSACEM PUMPED @ 12.3 PPG, YIELD 2.38, WATER 13.77
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Tail Cement	12/29/2011 09:00		5	31.8			165.0	125 SKS OF SWIFTCM PUMPED @ 14.2 PPG, YIELD 1.43, WATER 6.85
Shutdown	12/29/2011 09:06							
Drop Plug	12/29/2011 09:08							TOP PLUG, PLUG WENT
Pump Displacement	12/29/2011 09:09		5	49			254.0	FRESH WATER
Slow Rate	12/29/2011 09:18		2	10			197.0	RATE SLOWED 10 BBL PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	12/29/2011 09:23				59.4		230.0	PLUG LANDED. PRESSURED UP TO 1002 PSI.
Check Floats	12/29/2011 09:28							FLOATS HELD
End Job	12/29/2011 09:29							GOOD RETURNS THROUGHOUT JOB, NO MOVEMENT OF PIPE THROUGHOUT JOB, 30 BBLS OF CEMENT CIRCULATED TO THE PIT=70.8 SKS. DID NOT USE SUGAR.
Post-Job Safety Meeting (Pre Rig-Down)	12/29/2011 09:34							WITH ALL HES EE'S
Rig-Down Equipment	12/29/2011 09:36							
Pre-Convoy Safety Meeting	12/29/2011 10:36							WITH ALL HES EE'S
Depart Location for Service Center or Other Site	12/29/2011 10:40							THANKS FOR USING GRAND JUNCTION HALLIBURTON CEMENT DEPARTMENT, CHUCK ROSS AND CREW

Bill Barrett

Surface



Local Event Log

1 START JOB	08:27:22	2 FILL LINES	08:27:28	3 PRESSURE TEST	08:30:21
4 PUMP SPACER	08:43:36	5 PUMP CEMENT	08:49:05	6 SHUT DOWN	09:06:06
7 PUMP DISPLACEMENT	09:09:07	8 SHUT DOWN / BUMP PLUG	09:23:30	9 END JOB	09:30:01

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Customer Rep: Casey Lauer

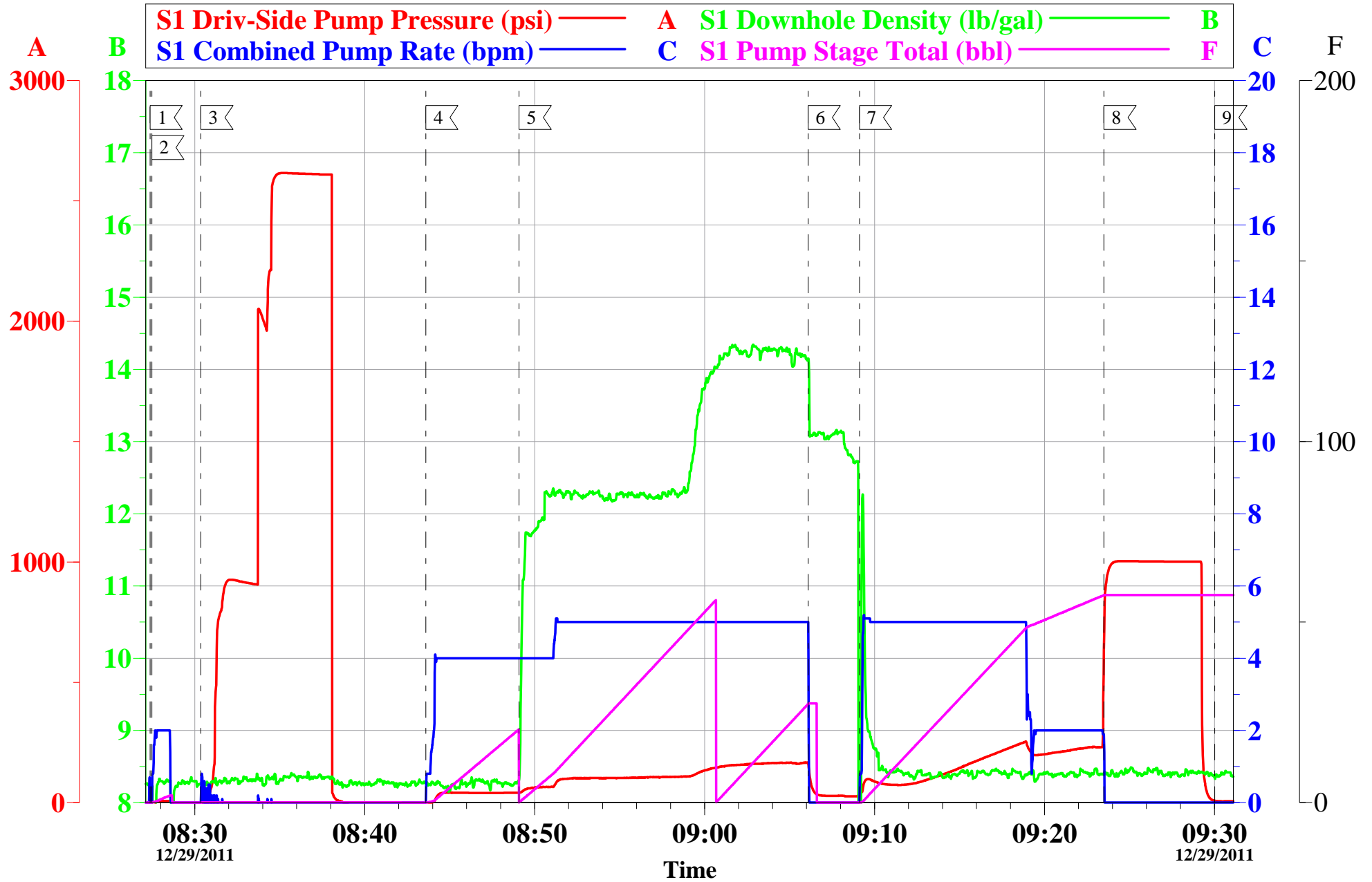
Job Date: 29-Dec-2011
Job type: Surface
Service Supervisor: Chuck Ross

Sales Order #: 9132796
ADC Used: Yes
Operator/ Pump: Carl Kukus

OptiCem v6.4.10
29-Dec-11 09:51

Bill Barrett

Surface



Customer: Bill Barrett
Well Description: Federal 14A-34-691
Customer Rep: Casey Lauer

Job Date: 29-Dec-2011
Job type: Surface
Service Supervisor: Chuck Ross

Sales Order #: 9132796
ADC Used: Yes
Operator/ Pump: Carl Kukus

OptiCem v6.4.10
29-Dec-11 09:52

HALLIBURTON

Water Analysis Report

Company: BILL BARRETT
Submitted by: CHUCK ROSS
Attention: JON TROUT
Lease: FED
Well #: 14A-34-691

Date: 12/28/2011
Date Rec.: 12/28/2011
S.O.#: 9132796
Job Type: 9 5/8" SURFACE

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

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 #: 9132796	Line Item: 10	Survey Conducted Date: 12/29/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20861
Well Name: FEDERAL		Well Number: 14A-34-691
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	12/29/2011
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)	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	12/29/2011
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)	3.25
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)	0.95
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