
BILL BARRETT CORPORATION E-BILL

**KAUFMAN 24A-24-692
MAMM CREEK
Garfield County , Colorado**

**Cement Surface Casing
16-Jun-2011**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2858895	Quote #:	Sales Order #: 8240195
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: South, Jody		
Well Name: KAUFMAN	Well #: 24A-24-692	API/UWI #:	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.51 deg. OR N 39 deg. 30 min. 37.314 secs.	Long: W 107.615 deg. OR W -108 deg. 23 min. 7.066 secs.		
Contractor: PROPETRO	Rig/Platform Name/Num: PROPETRO		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: METLI, MARSHALL	Srv Supervisor: KUKUS, CRAIG	MBU ID Emp #:	369124

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BECK, MICHAEL George	12.5	489151	KUKUS, CRAIG A	12.5	369124	WYCKOFF, RYAN Scott	12.5	476117

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	10829469	120 mile	10872429	120 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/16/11	12.5	2.5						

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	16 - Jun - 2011	15:05	MST
Form Type	BHST		Job Started	16 - Jun - 2011	15:43	MST
Job depth MD	850. ft	Job Depth TVD	850. ft	Job Completed	16 - Jun - 2011	16:28
Water Depth		Wk Ht Above Floor	4. ft	Departed Loc	16 - Jun - 2011	17:30
Perforation Depth (MD)	From	To				

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
-------------	------------	-------------------	---------	-------	---------------	--------	-------	-----------	--------------	------------	---------------

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	9 5/8	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

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	bbl	8.3	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	120	sacks	12.3	2.38	13.77	4	13.77
	13.77 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120	sacks	14.2	1.43	6.85	4	6.85
	6.85 Gal	FRESH WATER							
4	Displacement		62	bbl	8.3	.0	.0	6	
Calculated Values		Pressures		Volumes					
Displacement	61	Shut In: Instant		Lost Returns	0	Cement Slurry	81.3	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	17	Actual Displacement	61	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	163
Rates									
Circulating	NONE	Mixing	4	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	43.9 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

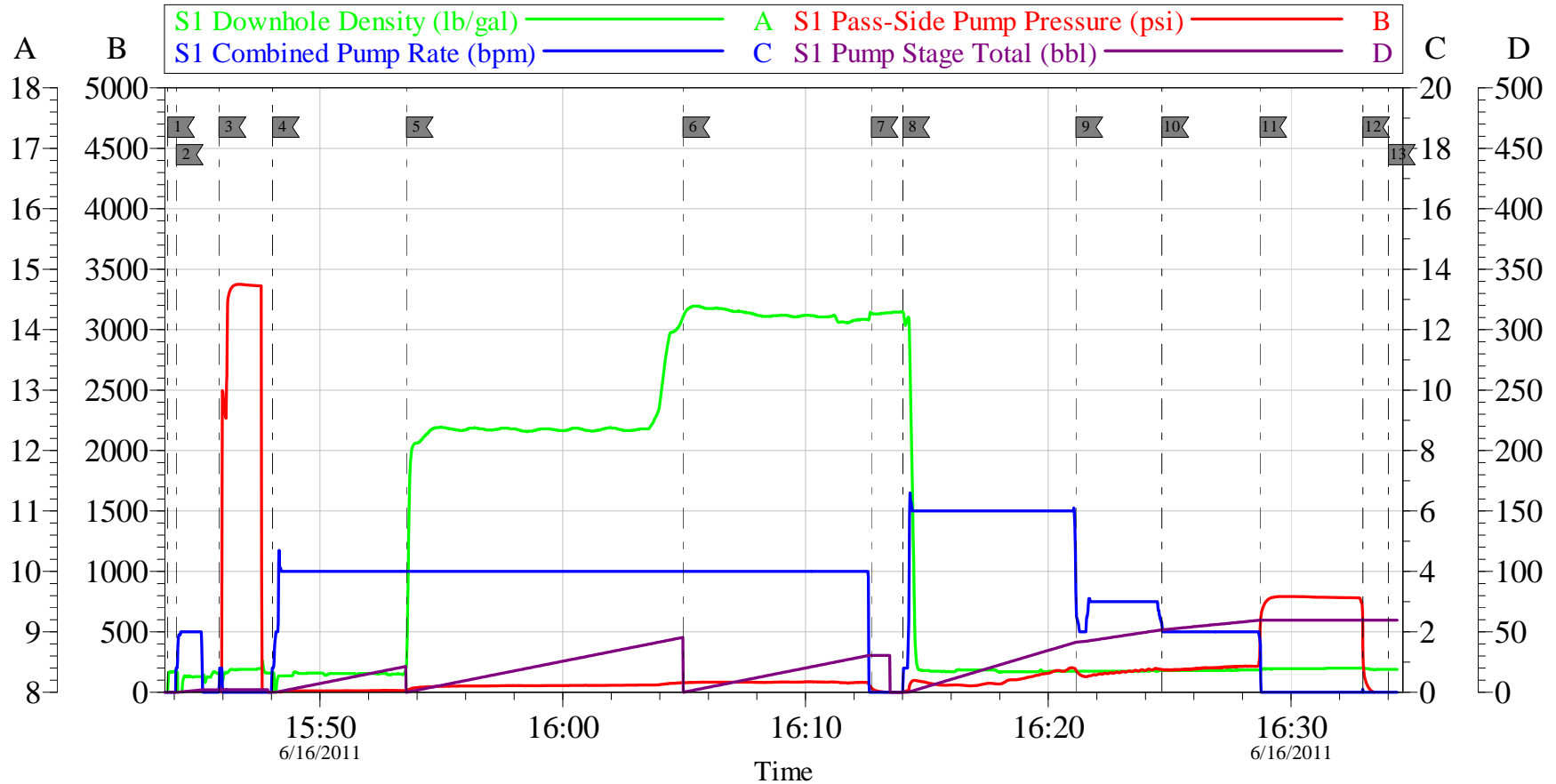
Sold To #: 343492	Ship To #: 2858895	Quote #:	Sales Order #: 8240195
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: South, Jody	
Well Name: KAUFMAN		Well #: 24A-24-692	API/UWI #:
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.51 deg. OR N 39 deg. 30 min. 37.314 secs.		Long: W 107.615 deg. OR W -108 deg. 23 min. 7.066 secs.	
Contractor: PROPETRO		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: KUKUS, CRAIG	MBU ID Emp #: 369124

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/16/2011 05:31							CREW STAYED ON LOCATION FOR THE NEXT JOB
Depart Yard Safety Meeting	06/16/2011 12:30							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW / CEMENT DEPARTED YARD
Circulate Well	06/16/2011 14:30							RIG DONE RUNNING CSG / NOCIRCULATION
Arrive At Loc	06/16/2011 15:00							CEMENT ARRIVED
Assessment Of Location Safety Meeting	06/16/2011 15:05							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	06/16/2011 15:10							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	06/16/2011 15:20							RESET HEAD / LOADED PLUG /RIG UP IRON
Pre-Job Safety Meeting	06/16/2011 15:35							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	06/16/2011 15:43							T D 850 FT TP 835.90 FT SJ 43.90 FT OH 12 1/4 IN MUD WT 8.3# PIPE 9 5/8 IN 36# J-55
Other	06/16/2011 15:44		2	2			14.0	FILL LINES FRESH WATER
Pressure Test	06/16/2011 15:45		0.5			3500.0		PRESSURE TEST GOOD

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	06/16/2011 15:48		4	20			26.0	PUMP FRESH WATER SPACER
Pump Lead Cement	06/16/2011 15:53		4	50.8			88.0	PUMP 120 SKS LEAD CEMENT AT 12.3 PPG 2.38 Y 13.75 GAL/SK
Pump Tail Cement	06/16/2011 16:04		4	30.5			102.0	PUMP 120 SKS TAIL CEMENT AT 14.2 PPG 1.43 Y 6.85 GAL/SK
Shutdown	06/16/2011 16:12							HAD NO RETURNS THRU CEMENT
Drop Top Plug	06/16/2011 16:12							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	06/16/2011 16:14		6	61.2			218.0	PUMP H2O DISPLACEMENT / GOT RETURNS AT 28 BBLS DISPLACEMENT GONE
Slow Rate	06/16/2011 16:21		3	40			213.0	SLOWED RATE TO 3 BBL MIN AT 40 BBL GONE / AT 44 BBLS GONE GOT CEMENT TO SURFACE / TOTAL 17 BBLS TO SURFACE
Bump Plug	06/16/2011 16:28		2	61			798.0	PLUG LANDED AT 230 PSI
Check Floats	06/16/2011 16:32							FLOATS HELD / GOT 1/2 BBL BACK TO TANKS / SHUT IN WELL
End Job	06/16/2011 16:34							
Pre-Rig Down Safety Meeting	06/16/2011 16:40							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	06/16/2011 16:50							RIG DOWN TO CLEAN UP LINE / SHUT DOWN
Safety Meeting - Departing Location	06/16/2011 17:30							CREW STAYED ON LOCATION FOR NEXT JOB
Comment	06/16/2011 17:31							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

BARRETT

SURFACE KAUFMAN 24A-24-692



Local Event Log								
1	START JOB	15:43:44	2	PRIME LINES	15:44:05	3	PRESSURE TEST	15:45:51
4	PUMP H2O SPACER	15:48:03	5	PUMP LEAD CEMENT	15:53:34	6	PUMP TAIL CEMENT	16:04:57
7	SHUT DOWN/DROP PLUG	16:12:43	8	PUMP H2O DISPLACEMENT	16:14:00	9	SLOW RATE	16:21:09
10	SLOW RATE	16:24:41	11	BUMP PLUG	16:28:43	12	CHECK FLOATS	16:32:58
13	END JOB	16:34:01						

Customer: **BARRETT**
 Well Description: **KAUFMAN 24A-24-692**
 Company Rep: **JOSH HENDERSON**

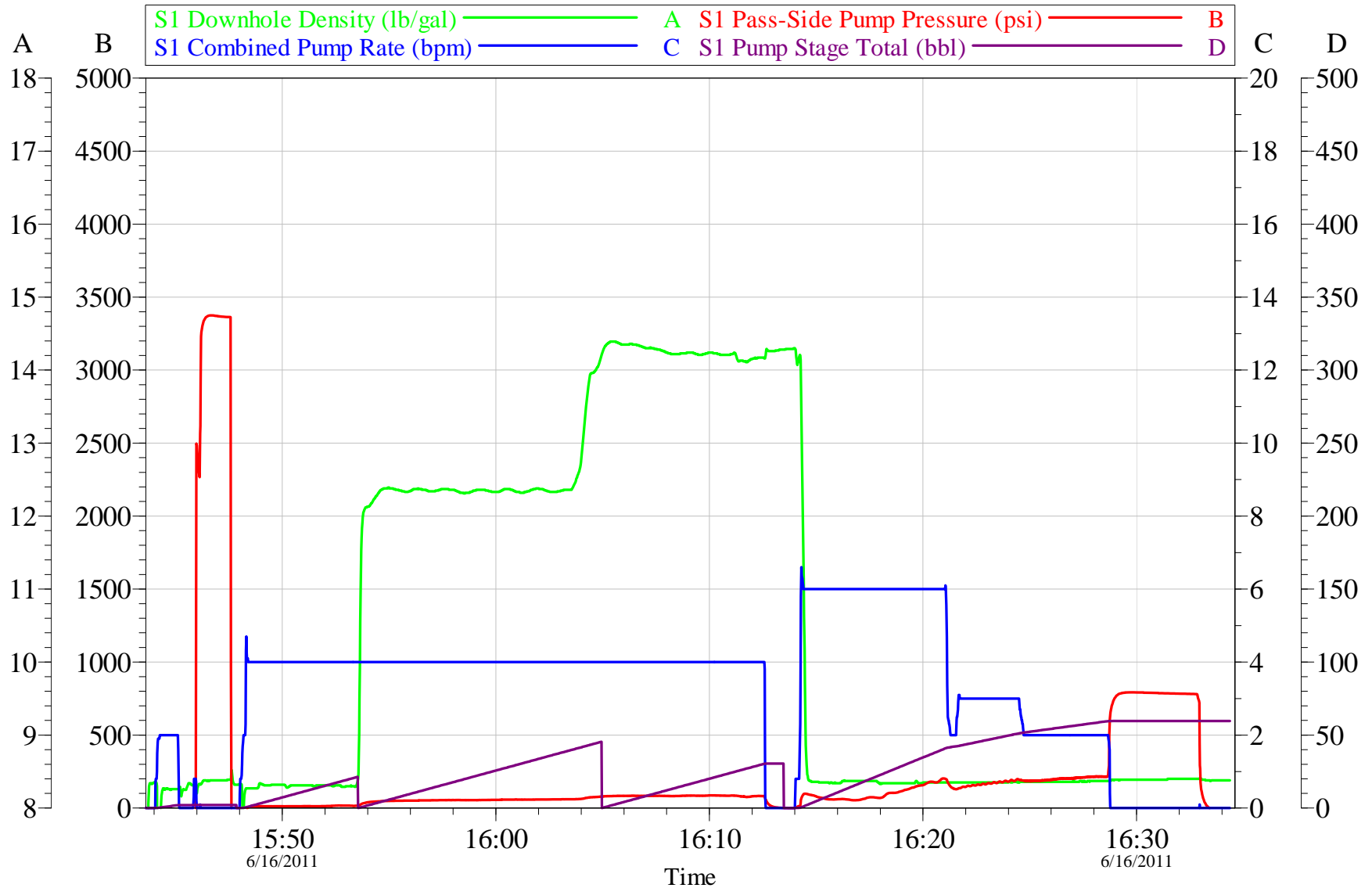
Job Date: **16-Jun-2011**
 Job Type: **SURFACE**
 Cement Supervisor: **CRAIG KUKUS**

Sales Order #: **8240195**
 ADC Used: **YES**
 Elite #/Operator: **ELITE 7 RYAN WYCKOFF**

OptiCem v6.4.8
 16-Jun-11 16:43

BARRETT

SURFACE KAUFMAN 24A-24-692



Customer: **BARRETT**
 Well Description: **KAUFMAN 24A-24-692**
 Company Rep: **JOSH HENDERSON**

Job Date: **16-Jun-2011**
 Job Type: **SURFACE**
 Cement Supervisor: **CRAIG KUKUS**

Sales Order #: **8240195**
 ADC Used: **YES**
 Elite #/Operator: **ELITE 7 RYAN WYCKOFF**

OptiCem v6.4.8
 16-Jun-11 16:46

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job		MAX			
	FILL LINES	2				
6	Test Lines	3500.0				
9	H2O Spacer	20.0		8.3		
13	LEAD CEMENT	50.8	120	12.3	2.38	13.75
15	TAIL CEMENT	30.5	120	14.2	1.43	6.85
	SHUTDOWN					
	DROP TOP PLUG					
25	H2O DISPLACE	61.3		8.3		
	SLOW RATE	40.0		slow	2BBL	
	LAND PLUG	210.0	PLUS	500	OVER	
	CHECK FLOATS					
	END JOB		Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
61.30	835.9	43.90		792.00	.0773	200
PSI TO LIFT	362	*****Use Mud Scales on Each Tier*****				
Total Displacement	61.30					
CALCULATED PSI LAND		210		TOTAL FLUID PUMPED		163
Collapse	2020	Burst	3520		SO#	8240195

HALLIBURTON

Water Analysis Report

Company: BARRETT
Submitted by: CRAIGKUKUS
Attention:
Lease: KAUFMAN
Well #: 24A-24-692

Date: 6/16/2011
Date Rec.: 6/16/2011
S.O.#: 8240195
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>250</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>0</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i>below200</i> Mg / L
Chlorine (Cl ₂)		<i>120</i> Mg / L
Temp	<i>40-80</i>	<i>65</i> Deg
Total Dissolved Solids		<i>240</i> Mg / L

Respectfully: CRAIGKUKUS

Title: CEMENTING SUPERVISOR

Location: GRANDJUNCTION 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

Sales Order #: 8240195	Line Item: 10	Survey Conducted Date: 6/16/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) AFEYSBTDOWJRPYEKAAA
Well Name: KAUFMAN		Well Number: 24A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	6/16/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CRAIG KUKUS (HX19742)
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.	

CUSTOMER SIGNATURE

Sales Order #: 8240195	Line Item: 10	Survey Conducted Date: 6/16/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) AFEYSBTDOWJRPYEKAAA
Well Name: KAUFMAN		Well Number: 24A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	6/16/2011
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	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	2.5
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	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

Sales Order #: 8240195	Line Item: 10	Survey Conducted Date: 6/16/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) AFEYSBTDOWJRPYEKAAA
Well Name: KAUFMAN		Well Number: 24A-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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