
BILL BARRETT CORPORATION E-BILL

**Kaufman 31B-24-692
MAMM CREEK
Denver County , Colorado**

Cement Surface Casing
12-Aug-2011

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2871047	Quote #:	Sales Order #: 8384021
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Henderson, Josh		
Well Name: Kaufman	Well #: 31B-24-692	API/UWI #: 05-045-19921	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Denver	State: Colorado
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.877 secs.	Long: W 107.614 deg. OR W -108 deg. 23 min. 9.55 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	Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A	13	412388	MAGERS, MICHAEL Gerard	13	339439	SINCLAIR, DAN J	13	338784
WILKERSON, JAMES Michael	13	496763						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10565341	120 mile	10804567	120 mile	10829469	120 mile	10872429	120 mile
11360883	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08/12/2011	13	1						

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	12 - Aug - 2011	09:00	MST
Form Type		BHST	Job Started	12 - Aug - 2011	20:24	MST
Job depth MD	800. ft	Job Depth TVD	Job Completed	12 - Aug - 2011	21:22	MST
Water Depth		Wk Ht Above Floor	Departed Loc			
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
12 1/4" Open Hole				12.25				.	820.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	791.1		

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	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	SWAGE	
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	.	.0	.0	.0		
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77		13.77	
		13.77 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85		6.85	
		6.85 Gal	FRESH WATER							
4	Displacement		59.00	bbl	.	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	58.7	Shut In: Instant		Lost Returns	0	Cement Slurry	81.5	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	15	Actual Displacement	58.7	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	160	
Rates										
Circulating	NONE	Mixing	5	Displacement	5/2	Avg. Job	5			
Cement Left In Pipe	Amount	45.2 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

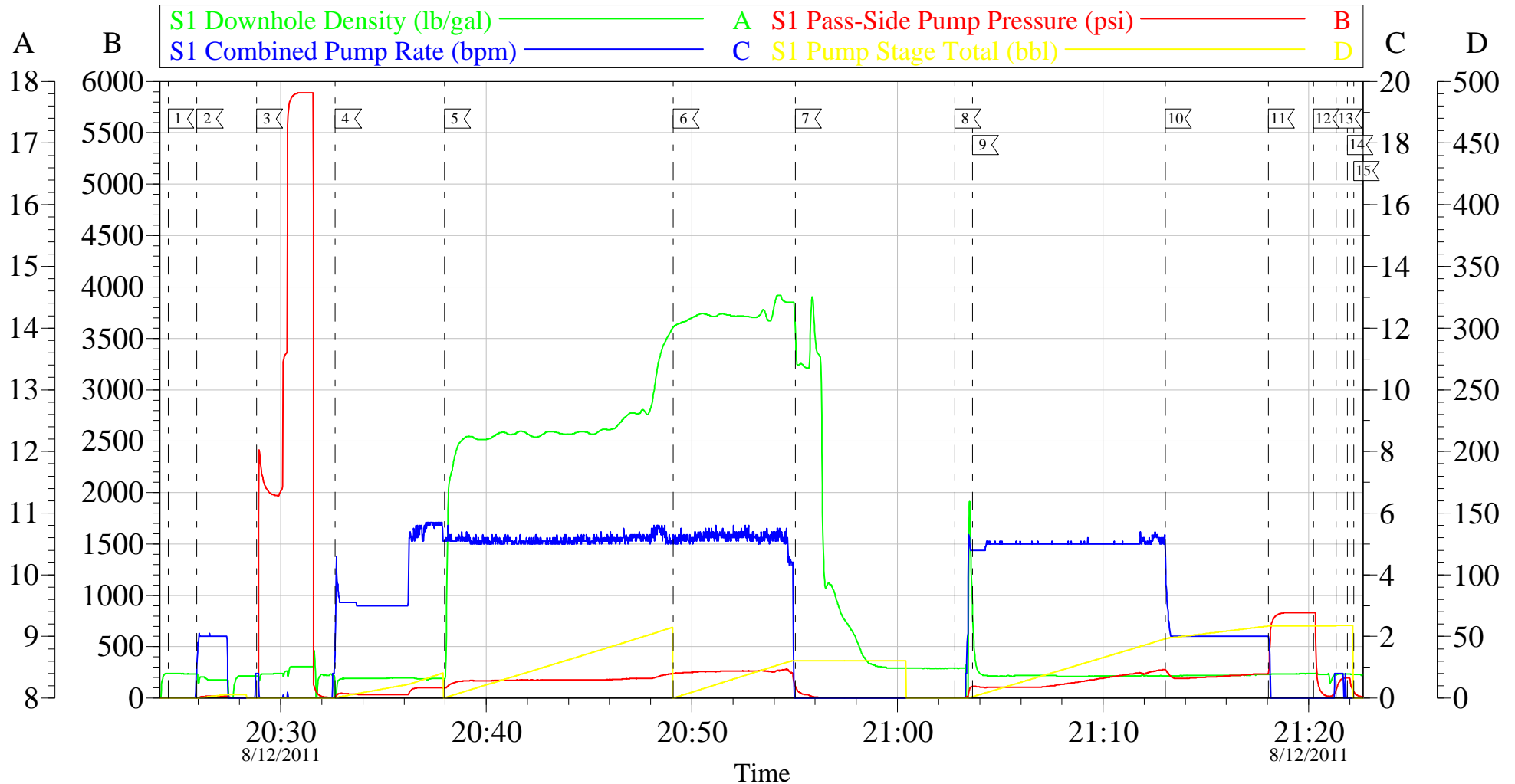
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Field: MAMM CREEK	City (SAP): SILT	County/Parish: Denver	State: Colorado
Legal Description:			
Lat: N 39.516 deg. OR N 39 deg. 30 min. 57.877 secs.		Long: W 107.614 deg. OR W -108 deg. 23 min. 9.55 secs.	
Contractor: ProPetro Services Inc.		Rig/Platform Name/Num: ProPetro	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: METLI, MARSHALL		Srvc Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	08/12/2011 09:00							HES ALREADY ON LOCATION/WAITING FOR RIG TO DRILL NEW HOLE AND RUN CASING
Pre-Rig Up Safety Meeting	08/12/2011 20:05							
Rig-Up Equipment	08/12/2011 20:10							TD-800 TP-791.1 SJ-45.2 MW-8.33 CSG-9 5/8 36# J-55 OH-12 1/4"
Safety Huddle	08/12/2011 20:20							HES ALL PRESENT
Start Job	08/12/2011 20:24							
Other	08/12/2011 20:25		2	2			20.0	FILL LINES
Pressure Test	08/12/2011 20:28		0.5	0.5			5890.0	PSI TEST OK
Pump Spacer 1	08/12/2011 20:32		3	20			101.0	FRESH WATER
Pump Lead Cement	08/12/2011 20:37		5	50.9			242.0	VERSACEM 120 SKS 12.3 PPG 2.38 FT3/SK 13.77 GAL/SK
Pump Tail Cement	08/12/2011 20:49		5	30.6			260.0	SWIFTCM 120 SKS 14.2 PPG 1.43 FT3/SK 6.85 GAL/SK GOT RETURNS AT 22 BBLS INTO TAIL
Shutdown	08/12/2011 20:55							
Drop Plug	08/12/2011 21:02							PLUG AWAY NO PROBLEMS
Pump Displacement	08/12/2011 21:03		5	58.7			240.0	FRESH WATER/GOET RETURNS 10 BBLS INTO DISPLACEMENT

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	08/12/2011 21:13		2	49			200.0	GOT 15 BBLS CEMENT TO SURFACE
Bump Plug	08/12/2011 21:18		2	58.7			240.0	BUMPED PLUG
Check Floats	08/12/2011 21:20			58.7			840.0	FLOATS HELD/GOT 1/2 BBL BACK
Shut In Well	08/12/2011 21:21						200.0	SHUT IN 2" LO-TORC VALVE WITH 200 PSI
Release Casing Pressure	08/12/2011 21:22							RELEASE PRESSURE ON LINE
End Job	08/12/2011 21:23							THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

BILL BARRETT PRO PETRO

9.625 SURFACE



Local Event Log

1 START JOB	20:24:31	2 FILL LINES	20:25:56	3 PRESSURE TEST	20:28:50
4 PUMP H2O SPACER	20:32:40	5 PUMP LEAD CEMENT	20:37:59	6 PUMP TAIL CEMENT	20:49:05
7 SHUT DOWN	20:55:02	8 DROP PLUG	21:02:47	9 PUMP FRSH WTR DISPLACEMENT	21:03:39
10 SLOW RATE	21:13:02	11 BUMP PLUG	21:18:02	12 CHECK FLOATS	21:20:14
13 SHUT IN WELL	21:21:20	14 RELEASE PRESSURE ON LINE	21:21:52	15 END JOB	21:22:11

Customer: BILL BARRETT PRO PETRO
Well Description: KAUFMAN 31B-24-692
Company Rep: JOSH HENDERSON

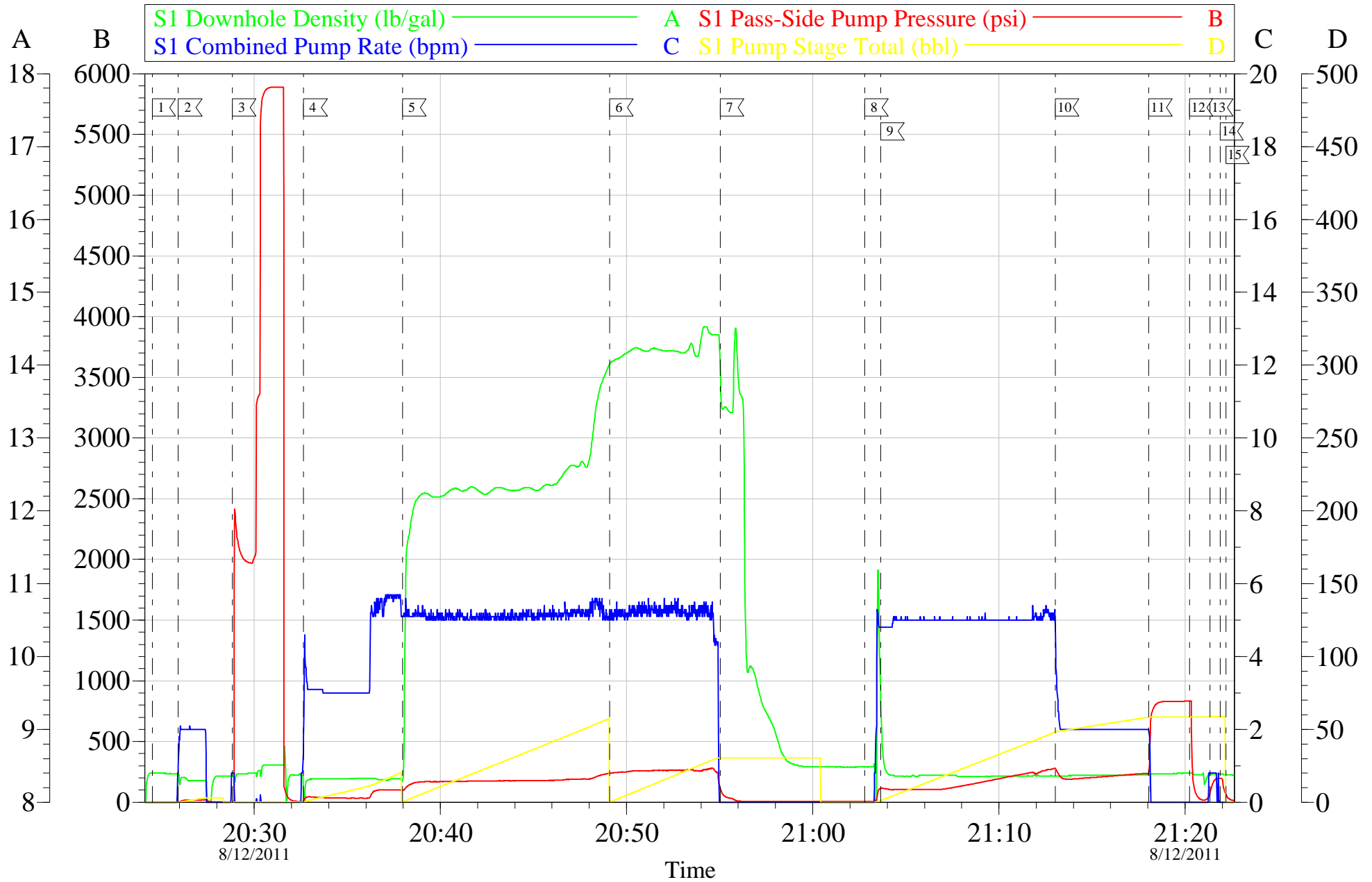
Job Date: 12-Aug-2011
Job Type: SURFACE
Cement Supervisor: MIKE MAGERS

Sales Order #: 8384021
ADC Used: YES
Elite #: 7 DAN SINCLAIR

OptiCem v6.3.4
12-Aug-11 21:42

BILL BARRETT PRO PETRO

9.625 SURFACE



Customer: BILL BARRETT PRO PETRO
 Well Description: KAUFMAN 31B-24-692
 Company Rep: JOSH HENDERSON

Job Date: 12-Aug-2011
 Job Type: SURFACE
 Cement Supervisor: MIKE MAGERS

Sales Order #: 8384021
 ADC Used: YES
 Elite #: 7 DAN SINCLAIR

OptiCem v6.3.4
 12-Aug-11 21:43

Sales Order #: 8384021	Line Item: 10	Survey Conducted Date: 8/12/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19921
Well Name: Kaufman		Well Number: 31B-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Denver

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	8/12/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
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 #: 8384021	Line Item: 10	Survey Conducted Date: 8/12/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19921
Well Name: Kaufman		Well Number: 31B-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Denver

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	8/12/2011

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	1.5
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) 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.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Workover
Number Of JSAs Performed Number Of Jsas Performed	4
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19921
Well Name: Kaufman		Well Number: 31B-24-692
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Denver

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	93
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	95
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