
BILL BARRETT CORPORATION E-BILL

**KAUFMAN 41A-25-692
MAMM CREEK
Garfield County , Colorado**

**Cement Surface Casing
30-Aug-2011**

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 2848866		Quote #:		Sales Order #: 8333632					
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: HENDERSON, JOSH							
Well Name: KAUFMAN			Well #: 41A-25-692			API/UWI #: 05-045-19689					
Field: MAMM CREEK		City (SAP): SILT		County/Parish: Garfield			State: Colorado				
Lat: N 39.503 deg. OR N 39 deg. 30 min. 11.207 secs.				Long: W 107.605 deg. OR W -108 deg. 23 min. 43.562 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				Srvc Supervisor: ERIC CARTER			MBU ID Emp #: 345598				
Job Personnel											
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #			
CARTER, ERIC Earl	4.5	345598	JENSEN, SHANE Lynn	4.5	441759	SPARKS, CLIFFORD Paul	4.5	502476			
VANALSTYNE, TROY L	4.5	420256									
Equipment											
HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>				
10867094	120 mile	10897925	120 mile	10951251	120 mile	11560046	120 mile				
11562538	120 mile										
Job Hours											
Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours			
8/30/11	4.5	1									
TOTAL			<i>Total is the sum of each column separately</i>								
Job					Job Times						
Formation Name					Date	Time	Time Zone				
Formation Depth (MD)	Top	0	Bottom	810 FT.	Called Out	29 - Aug - 2011	21:00	MST			
Form Type	BHST				On Location	30 - Aug - 2011	00:30	MST			
Job depth MD	810. ft	Job Depth TVD	810. ft	Job Started	30 - Aug - 2011	03:23	MST				
Water Depth	Wk Ht Above Floor				Job Completed	30 - Aug - 2011	04:10	MST			
Perforation Depth (MD)	<i>From</i>		<i>To</i>		Departed Loc	30 - Aug - 2011	05:00	MST			
Well Data											
<i>Description</i>	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
OPEN HOLE				12.25				.	810.		
SURFACE CASING	Unknown		9.625	8.921	36.		J-55	.	796.		
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			
Guide Shoe					Packer						
Float Shoe					Bridge Plug						
Float Collar					Retainer						
Insert Float					SSR plug set						
<i>Stage Tool</i>					Plug Container	9.625"	1				
					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	5		
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.75	5	13.75	
		13.75 Gal FRESH WATER								
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	5	6.85	
		6.85 Gal FRESH WATER								
4	Displacement		58.00	bbl	8.33	.0	.0	5		
Calculated Values		Pressures			Volumes					
Displacement	58	Shut In: Instant		Lost Returns	NONE	Cement Slurry	81.5	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	22	Actual Displacement	58	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	159.5	
Rates										
Circulating	N/A	Mixing	5	Displacement	5	Avg. Job	5			
Cement Left In Pipe	Amount	45.3 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: KAUFMAN		Well #: 41A-25-692	API/UWI #: 05-045-19689
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.503 deg. OR N 39 deg. 30 min. 11.207 secs.		Long: W 107.605 deg. OR W -108 deg. 23 min. 43.562 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: ERIC CARTER	MBU ID Emp #: 345598

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/29/2011 21:00							
Depart Yard Safety Meeting	08/29/2011 21:50							ATTENDED BY ALL HES CREW
Crew Leave Yard	08/29/2011 23:00							
Arrive At Loc	08/30/2011 00:30							RIG PULLING DP
Assessment Of Location Safety Meeting	08/30/2011 01:43							ATTENDED BY ALL HES CREW
Other	08/30/2011 02:20							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	08/30/2011 02:30							ATTENDED BY ALL HES CREW
Rig-Up Equipment	08/30/2011 02:40							
Pre-Job Safety Meeting	08/30/2011 03:00							ATTENDED BY ALL HES CREW AND RIG CREW
Start Job	08/30/2011 03:23							TP 796', TD 810', SJ 45.3', FC 750.7', AIR DRILLED , CASING 9.625", 36#, J-55, HOLE 12.25", NO MUD IN HOLE, USED 9.625" SCREW IN HEAD
Other	08/30/2011 03:23		2	2			27.0	FILL LINES
Test Lines	08/30/2011 03:25							PRESSURED UP TO 2150 PSI, PRESSURE HELD
Pump Lead Cement	08/30/2011 03:26		5	50.9			76.0	120 SKS MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GL/SK
Pump Spacer 1	08/30/2011 03:28		5	20			45.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	08/30/2011 03:46		5	30.6			96.0	120 SKS MIXED AT 14.2 PPG, 1.43 YIELD, 6.38 GL/SK
Shutdown	08/30/2011 03:53							
Drop Top Plug	08/30/2011 03:53							COMPANY REP VERIFIED THAT PLUG LAUNCHED
Pump Displacement	08/30/2011 03:54		5	48			206.0	FRESH WATER
Slow Rate	08/30/2011 04:04		2	10			220.0	
Bump Plug	08/30/2011 04:08						680.0	PLUG LANDED
Check Floats	08/30/2011 04:09							FLOATS HELD
End Job	08/30/2011 04:10							GAINED CIRCULATION AT 15 BBLS OF TAIL CEMENT, 22 BBLS CEMENT TO SURFACE, PIPE WAS MOVED DURING JOB
Post-Job Safety Meeting (Pre Rig-Down)	08/30/2011 04:12							ATTENDED BY ALL HES CREW
Rig-Down Equipment	08/30/2011 04:15							
Depart Location Safety Meeting	08/30/2011 04:50							ATTENDED BY ALL HES CREW
Crew Leave Location	08/30/2011 05:00							THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.

JOB PROCEDURE

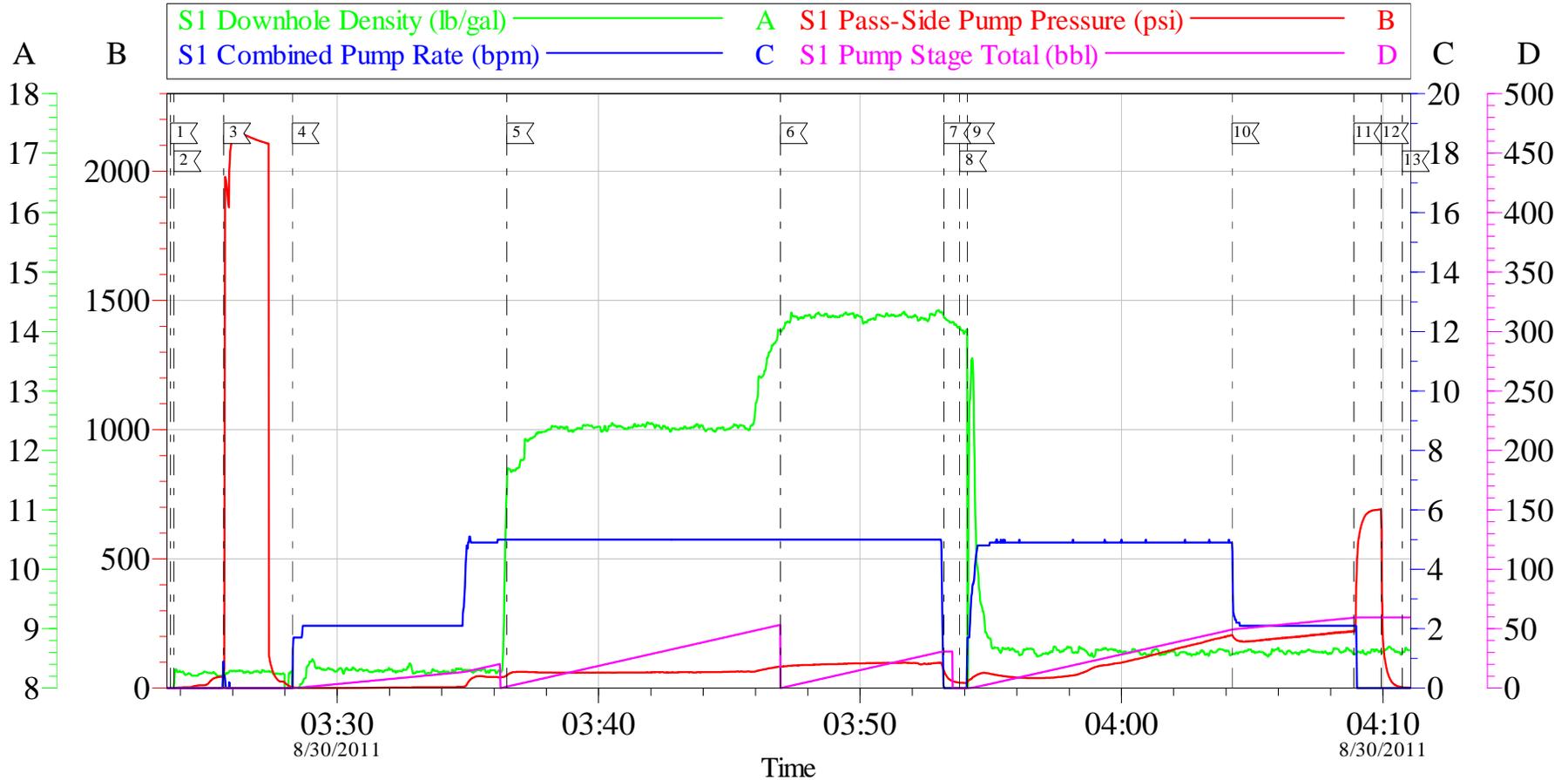
PRO PETRO

Pre-Planned Job Procedure Single Stage

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
6	Test Lines	2000.0				
9	H2O Spacer	20.0				
13	Lead Cement	50.9	120	12.3	2.38	13.75
15	Tail Cement	30.6	120	14.2	1.43	6.85
	SHUTDOWN					
	DROP PLUG					
22	Displacement	58.0		Mud Wt.		
1085	Slow Rate	48.0		Casing	9.625	36
26	Land Plug	198		Open Hole	12.25	
	Release Psi / Job Over	698				
	Check Floats					
2	END JOB					
				Disp Fluid	8.33	
Do Not Overdisplace						
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		ANN FACTOR	BBL/FT	H2O REQ.
58.03	796	45.30		0.0558	0.0773	137
PSI to Lift Pipe	393.8	<u>*****Use Mud Scales on Each Tier*****</u>				
Total Displacement	58.03					
CALCULATED DIFFERENTIAL PSI		198		TOTAL FLUID PUMPED		159
Collapse	2020	Burst	3520		S.O.#	8333632
HOT	485.0	TOT	311.0	Company Rep:		
Bbls to Pit	33.5					

BILL BARRETT

9.625" SURFACE/KAUFMAN 41A-25-692



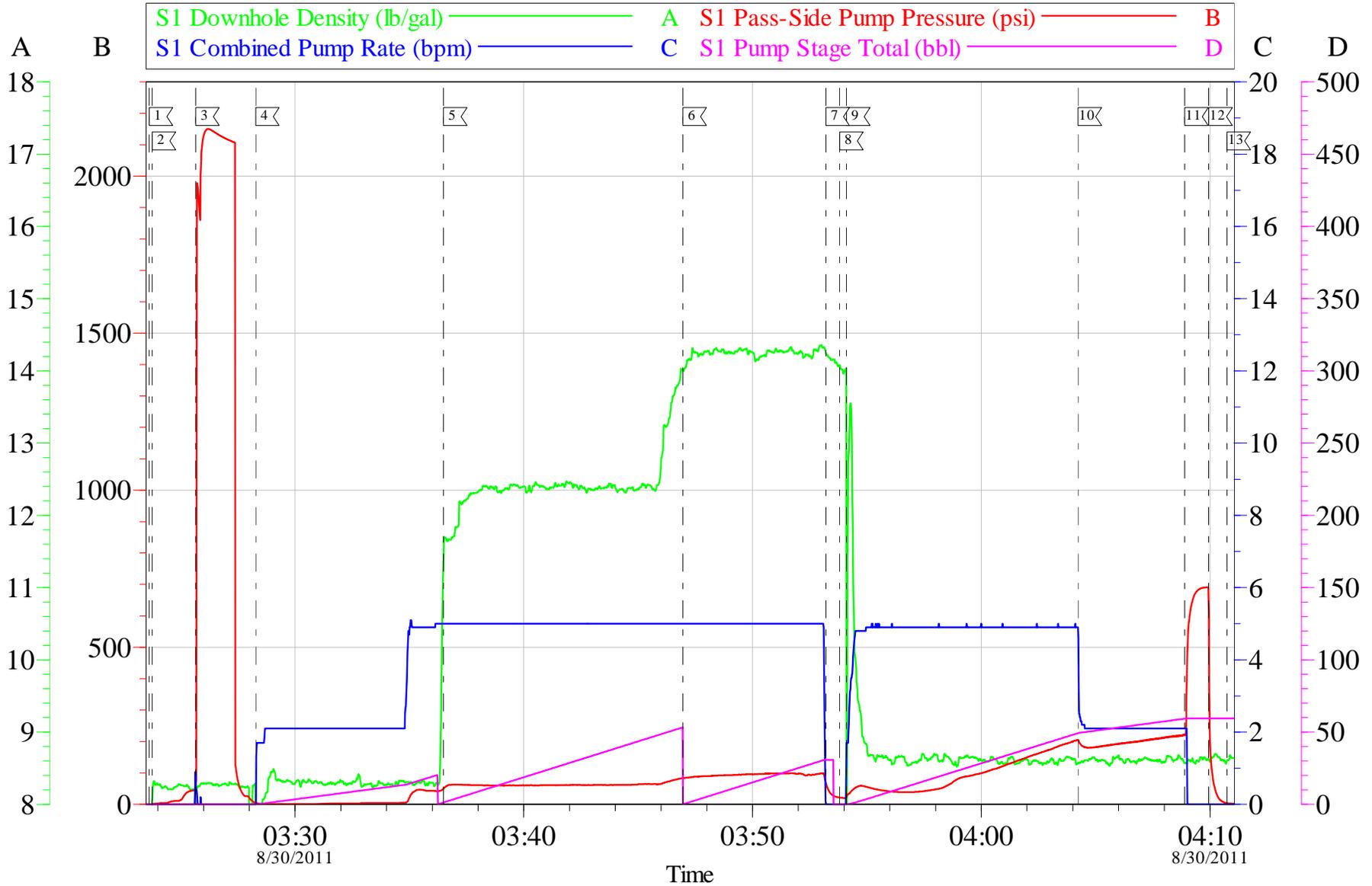
Local Event Log								
1	START JOB	03:23:37	2	FILL LINES	03:23:45	3	TEST LINES	03:25:39
4	PUMP H2O SPACER	03:28:17	5	PUMP LEAD CEMENT	03:36:29	6	PUMP TAIL CEMENT	03:46:57
7	SHUTDOWN	03:53:12	8	DROP TOP PLUG	03:53:48	9	PUMP H2O DISPLACEMENT	03:54:06
10	SLOW RATE	04:04:14	11	BUMP PLUG	04:08:53	12	CHECK FLOATS	04:09:57
13	END JOB	04:10:45						

Customer:	BILL BARRETT CORPORATION E-BILL	Job Date:	30-Aug-2011	Sales Order #:	8333632
Well Description:	KAUFMAN 41A-25-692	Job Type:	SURFACE	ADC Used:	YES
Company Rep:		Cement Supervisor:	ERIC CARTER	Elite #/Operator:	5/SHANE JENSEN

OptiCem v6.4.0
30-Aug-11 04:23

BILL BARRETT

9.625" SURFACE/KAUFMAN 41A-25-692



Customer: BILL BARRETT CORPORATION E-BILL	Job Date: 30-Aug-2011	Sales Order #: 8333632
Well Description: KAUFMAN 41A-25-692	Job Type: SURFACE	ADC Used: YES
Company Rep: JOSH HENDERSON	Cement Supervisor: ERIC CARTER	Elite #/Operator: 5/SHANE JENSEN

OptiCem v6.4.0
30-Aug-11 04:24

HALLIBURTON

Water Analysis Report

Company: BILL BARRETT

Date: 8/30/2011

Submitted by: ERIC CARTER

Date Rec.: 8/30/2011

Attention: J.Trout

S.O.# 8333632

Lease PRO PETRO

Job Type: SURFACE

Well # KAUFMAN 41A-25-692

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Hrdness	<i>500</i>	250 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Temp	<i>40-80</i>	75 Deg
Total Dissolved Solids		320 Mg / L

Respectfully: ERIC CARTER

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 it

Sales Order #: 8333632	Line Item: 10	Survey Conducted Date: 8/30/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19689
Well Name: KAUFMAN		Well Number: 41A-25-692
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	8/30/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ERIC CARTER (HX15491)
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 #: 8333632	Line Item: 10	Survey Conducted Date: 8/30/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19689
Well Name: KAUFMAN		Well Number: 41A-25-692
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	8/30/2011
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
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

Sales Order #: 8333632	Line Item: 10	Survey Conducted Date: 8/30/2011
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Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19689
Well Name: KAUFMAN		Well Number: 41A-25-692
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	99
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	99
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