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# **BILL BARRETT CORPORATION E-BILL**

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**SCOTT 44C-25-692  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
**28-Feb-2012**

**Job Site Documents**

## The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2908839	Quote #:	Sales Order #: 9306417
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Lauer, Casey		
Well Name: SCOTT	Well #: 44C-25-692	API/UWI #: 05-045-21251	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.492 deg. OR N 39 deg. 29 min. 32.467 secs.	Long: W 107.606 deg. OR W -108 deg. 23 min. 40.02 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	Srvc Supervisor: SMITH, DUSTIN	MBU ID Emp #: 418015	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HYDE, DUSTIN C	3.5	453940	KUKUS, CHRISTOPHER A	3.5	413952	LINN, PAUL Andrew	3.5	479143
SMITH, DUSTIN Michael	3.5	418015						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	120 mile	10784080	120 mile	10804579	120 mile	11259883	120 mile
11808829	120 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
02/28/12	3.5	2						

TOTAL	Total is the sum of each column separately							
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## Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	28 - Feb - 2012	14:00	MST
Form Type	BHST		Job Started	28 - Feb - 2012	16:16	MST
Job depth MD	720. ft	Job Depth TVD	Job Completed	28 - Feb - 2012	17:07	MST
Water Depth		Wk Ht Above Floor	Rig Down Equip	28-Feb-2012	17:30	MST
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				.	720.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	702.11		

Sales/Rental/3<sup>rd</sup> 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			
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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		20.00	bbl	8.34	.0	.0	4.0	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	6.0	13.77
	13.77 Gal	FRESH WATER							
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	6.0	6.85
	6.85 Gal	FRESH WATER							
4	Displacement		50.80	bbl	8.33			6.0	
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
Displacement	50.8	Shut In: Instant		Lost Returns	0	Cement Slurry	81.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	50.8	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	152.3
<b>Rates</b>									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	44.87 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

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<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srv Supervisor:</b> SMITH, DUSTIN	<b>MBU ID Emp #:</b> 418015

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/28/2012 10:30							ELITE # 3 ALREADY ON LOCATION
Depart Yard Safety Meeting	02/28/2012 12:00							ALL HES EMPLOYEES
Arrive At Loc	02/28/2012 14:00							RIG POOH W/ DP
Assessment Of Location Safety Meeting	02/28/2012 14:10							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	02/28/2012 14:15							ALL HES EMPLOYEES
Rig-Up Equipment	02/28/2012 14:20							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK
Pre-Job Safety Meeting	02/28/2012 16:00							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	02/28/2012 16:16							
Start Job	02/28/2012 16:16							TD:720 TP: 702.11 SJ: 44.87 5/8 36# CSG 12 1/4 OH HOLE DRILLED WITH AIR NO WELL FLUID IN HOLE
Test Lines	02/28/2012 16:19					3552.0		PRESSURE TEST OK
Pump Spacer	02/28/2012 16:22		4	20	20		51.0	FRESH WATER
Pump Lead Cement	02/28/2012 16:29		6	50.9	50.9		192.0	120 SKS 12.3 PPG 2.38 YIELD 13.77 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Quote # :

Sales Order # :

9306417

SUMMIT Version: 7.3.0021

Thursday, May 17, 2012 01:29:00

Pump Tail Cement	02/28/2012 16:38		6	30.6	30.6		236.0	120 SKS 14.2 PPG 1.43 YIELD 6.85 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT GOT RETURNS 16 BBLS INTO TAIL CEMENT
Shutdown	02/28/2012 16:43							
Drop Plug	02/28/2012 16:43							JOB PUMPED THROUGH SWAGE
Pump Displacement	02/28/2012 16:49		6	50.8	50.8		248.0	FRESH WATER
Slow Rate	02/28/2012 16:56		2	40.8	40.8		210.0	SLOW RATE TO BUMP PLUG
Bump Plug	02/28/2012 17:01		2	50.8	50.8		605.0	PSI BEFORE BUMPING PLUG @ 210 PSI BUMPED PLUG UP TO 605 PSI
Check Floats	02/28/2012 17:04							FLOATS HELD 1/2 BBL BACK TO DISPLACEMENT TANKS 30 CEMENT TO SURFACE RIG USED NO SUGAR
End Job	02/28/2012 17:07							PRESSURE UP TO 200 PSI AND SHUT IN WELL AT 2 INCH ON SWAGE
Pre-Rig Down Safety Meeting	02/28/2012 17:15							ALL HES EMPLOYEES
Rig-Down Equipment	02/28/2012 17:30							RIG DOWN AND REMAIN ON LOCATION FOR RIG TO DRILL NEXT WELL
Comment	02/28/2012 17:30							THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW