
BILL BARRETT CORPORATION E-BILL

**FEDERAL 13C-34-691
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
19-Dec-2011

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2896397	Quote #:	Sales Order #: 9132804
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Lauer, Casey		
Well Name: FEDERAL	Well #: 13C-34-691	API/UWI #: 05-045-20866	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.479 deg. OR N 39 deg. 28 min. 45.174 secs.	Long: W 107.553 deg. OR W -108 deg. 26 min. 48.012 secs.		
Contractor: PROPETRO	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: SLAUGHTER, JESSE	MBU ID Emp #: 454315	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
REEVES, BRANDON W	2	287883	SLAUGHTER, JESSE Dean	2	454315	SPARKS, CLIFFORD Paul	2	502476

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10616651C	120 mile	10867423	120 mile	10897887	120 mile	11583931	120 mile
11808827	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-19-2011	2	2						

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	18 - Dec - 2011	21:00	MST
Form Type		BHST		On Location	19 - Dec - 2011	02:30	MST
Job depth MD	828.8 ft	Job Depth TVD	828.8 ft	Job Started	19 - Dec - 2011	03:03	MST
Water Depth		Wk Ht Above Floor	1. ft	Job Completed	19 - Dec - 2011	03:46	MST
Perforation Depth (MD)	From	To		Departed Loc			

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
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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		
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	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

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	FRESH WATER	20.00	bbl	8.34	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	125.0	sacks	12.3	2.38	13.77	6	13.77
	13.77 Gal	FRESH WATER							
3	Tail Cement	SWIFTCES (TM) SYSTEM (452990)	125.0	sacks	14.2	1.43	6.85	6	6.85
	6.85 Gal	FRESH WATER							
4	DISPLACEMENT	FRESH WATER	60.6	bbl	8.4			6	
Calculated Values		Pressures		Volumes					
Displacement	60.6	Shut In: Instant		Lost Returns	NO	Cement Slurry	84.8	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	60.6	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	168
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	0 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					

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Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: SLAUGHTER, JESSE	MBU ID Emp #: 454315

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/18/2011 21:00							TD 850 FT, TP 828.79 FT, SHOE 44.47 FT, CSG 9 5/8 IN 36 LB/FT, HOLE 12 3/8 IN
Pre-Convoy Safety Meeting	12/18/2011 23:55							WITH ALL HES PERSONNEL
Crew Leave Yard	12/19/2011 00:00							
Arrive At Loc	12/19/2011 02:30							RIG WAS DRILLING UPON HES ARRIVAL
Assessment Of Location Safety Meeting	12/19/2011 02:35							WITH ALL HES PERSONNEL
Other	12/19/2011 02:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	12/19/2011 02:45							WITH ALL HES PERSONNEL
Rig-Up Equipment	12/19/2011 02:50							
Pre-Job Safety Meeting	12/19/2011 02:55							WITH ALL PERSONNEL ON LOCATION
Start Job	12/19/2011 03:03							
Other	12/19/2011 03:04		2	2			15.0	FILL LINES WITH FRESH WATER
Test Lines	12/19/2011 03:06							TESTED LINES TO 2249 PSI PRESSURE HOLDING
Pump Spacer 1	12/19/2011 03:12		4	20			48.0	FRESH WATER
Pump Lead Cement	12/19/2011 03:18		6	53			190.0	125 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Pump Tail Cement	12/19/2011 03:27		6	31.8			211.0	125 SKS AT 14.2 PPG, 1.43 FT3/SK, 6.85 GAL/SK

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	12/19/2011 03:31							
Drop Top Plug	12/19/2011 03:32							PLUG LAUNCHED
Pump Displacement	12/19/2011 03:33		6	50.6			310.0	FRESH WATER
Slow Rate	12/19/2011 03:41		3	10			260.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	12/19/2011 03:44		10		60.6		1150.0	PLUG BUMPED
Check Floats	12/19/2011 03:46							FLOATS HOLDING. HES RETURNED 1 BBL H2O TO PUMP
End Job	12/19/2011 03:46							PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB, HES RETURNED 30 BBL CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	12/19/2011 03:50							WITH ALL HES PERSONNEL
Rig-Down Equipment	12/19/2011 03:55							
Crew Leave Location	12/19/2011 03:59							HES CREW WILL STAY ON LOCATION
Comment	12/19/2011 04:00							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW.