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# **BILL BARRETT CORPORATION E-BILL**

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**DIXON FED 42B-22-692  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
**29-Mar-2012**

**Job Site Documents**

## The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2916237	Quote #:	Sales Order #: 9372994
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Lauer, Casey		
Well Name: DIXON FED	Well #: 42B-22-692	API/UWI #: 05-045-21099	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.516 deg. OR N 39 deg. 30 min. 56.617 secs.	Long: W 107.643 deg. OR W -108 deg. 21 min. 26.78 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: HUGENTOBLE, LOGAN	MBU ID Emp #: 447333	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ENGBERG, KEVIN W	0.0	454218	HUGENTOBLE, LOGAN Mark	0.0	447333	SILVERTHORN, AARON Jacob	0.0	491305

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	120 mile	10744549	120 mile	10951246	120 mile	11071463	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
3/28/12	2	0	3/29/12	5	1			
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	28 - Mar - 2012	18:00	MST
Form Type		BHST	Job Started	28 - Mar - 2012	22:00	MST
Job depth MD	800. ft	Job Depth TVD	Job Completed	29 - Mar - 2012	03:10	MST
Water Depth		Wk Ht Above Floor	Departed Loc	29 - Mar - 2012	03:52	MST
Perforation Depth (MD)	From	To			05:00	MST

## 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				.	830.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	813.2		

Sales/Rental/3<sup>rd</sup> 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			
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	6	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	6	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	6.85
		6.85 Gal	FRESH WATER						
4	Displacement			bbl	8.33			7	
Calculated Values		Pressures		Volumes					
Displacement	56	Shut In: Instant		Lost Returns	0	Cement Slurry	80	Pad	
Top Of Cement	surface	5 Min		Cement Returns	20	Actual Displacement	56	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	6	Displacement	7	Avg. Job			
Cement Left In Pipe	Amount	45 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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<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srv Supervisor:</b> HUGENTOBLE, LOGAN	<b>MBU ID Emp #:</b> 447333

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/28/2012 18:00							
Pre-Convoy Safety Meeting	03/28/2012 20:00							ALL HES EMPLOYEES
Arrive At Loc	03/28/2012 22:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	03/28/2012 22:15							ALL HES EMPLOYEES
Rig-Up Equipment	03/28/2012 22:30							1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-550 P/U, 1 SWAGE
Pre-Job Safety Meeting	03/29/2012 03:00							ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS
Start Job	03/29/2012 03:10							TP 780 FT, TD 800 FT, FC 735 FT, HOLE 12.25", MUD WT AIR, RATE WILL BE 6, WILL BUMP 500 PSI OVER LAND PSI
Pump Water	03/29/2012 03:11		2	2			52.0	FILL LINES PRIOR TO PRESSURE TESTING LINES
Pressure Test	03/29/2012 03:12							NO LEAKS, KICK OUTS SET TO 3000 PSI FOR TEST.
Pump Spacer 1	03/29/2012 03:17		6	20			175.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	03/29/2012 03:21		6	50			188.0	120 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.38 YIELD, 13.77 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED.
Pump Tail Cement	03/29/2012 03:29		6	30			167.0	120 SKS SWIFTCM CMT TO BE MIXED AT 14.2 PPG, 1.43 YIELD, 6.85 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED,
Shutdown	03/29/2012 03:34							
Drop Plug	03/29/2012 03:36							PLUG LAUNCHED
Pump Displacement	03/29/2012 03:38		7	56			327.0	FRESH WATER
Slow Rate	03/29/2012 03:46		4				297.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/29/2012 03:48						701.0	PLUG LANDED
Check Floats	03/29/2012 03:50							FLOATS HOLDING, 20 BBLS CEMENT TO SURFACE
End Job	03/29/2012 03:52							THANK YOU FOR USING HES LOGAN HUGENTOBLE AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	03/29/2012 03:55							ALL HES EMPLOYEES
Rig-Down Equipment	03/29/2012 04:00							
Pre-Convoy Safety Meeting	03/29/2012 04:55							ALL HES EMPLOYEES
Crew Leave Location	03/29/2012 05:00							LOCATION CLEAN