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# **BILL BARRETT CORPORATION E-BILL**

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**DIXON FED 11B-23-692  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
**23-Mar-2012**

**Job Site Documents**

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 343492		<b>Ship To #:</b> 2916276		<b>Quote #:</b>		<b>Sales Order #:</b> 9373827	
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL				<b>Customer Rep:</b> Lauer, Casey			
<b>Well Name:</b> DIXON FED			<b>Well #:</b> 11B-23-692			<b>API/UWI #:</b> 05-045-21104	
<b>Field:</b> MAMM CREEK		<b>City (SAP):</b> SILT		<b>County/Parish:</b> Garfield			<b>State:</b> Colorado
<b>Lat:</b> N 39.516 deg. OR N 39 deg. 30 min. 56.725 secs.				<b>Long:</b> W 107.642 deg. OR W -108 deg. 21 min. 27.187 secs.			
<b>Contractor:</b> ProPetro Services Inc.			<b>Rig/Platform Name/Num:</b> ProPetro				
<b>Job Purpose:</b> Cement Surface Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Surface Casing			
<b>Sales Person:</b> METLI, MARSHALL			<b>Srvc Supervisor:</b> HUGENTOBLE, LOGAN			<b>MBU ID Emp #:</b> 447333	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HUGENTOBLE, LOGAN Mark	6	447333	RAMSEY, STANTON Michael	6	477609	SILVERTHORN, AARON Jacob	6	491305

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10297346	120 mile	10567589C	120 mile	10951246	120 mile	11071559	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
3/23/12	6	1						
<b>TOTAL</b>			Total is the sum of each column separately					

### Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	23 - Mar - 2012	12:00	MST
Form Type		BHST	Job Started	23 - Mar - 2012	15:24	MST
Job depth MD	800. ft	Job Depth TVD	Job Completed	23 - Mar - 2012	16:12	MST
Water Depth		Wk Ht Above Floor	Departed Loc	23 - Mar - 2012	18:00	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				.	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	9.625	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	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		56.00	bbl	9.			7.0	
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	6		
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	03/23/2012 10:00							
Pre-Convoy Safety Meeting	03/23/2012 10:30							ALL HES EMPLOYEES
Arrive At Loc	03/23/2012 12:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	03/23/2012 12:15							ALL HES EMPLOYEES
Rig-Up Equipment	03/23/2012 12:30							1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-550 P/U, 1 PLUG CONTAINER
Pre-Job Safety Meeting	03/23/2012 15:00							ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS
Start Job	03/23/2012 15:24							TP 779 FT, TD 800 FT, FC 734 FT, HOLE 12.25", MUD WT AIR, RATE WILL BE 6, WILL BUMP 500 PSI OVER LAND PSI
Pump Water	03/23/2012 15:24		2	2			74.0	FILL LINES PRIOR TO PRESSURE TESTING LINES
Pressure Test	03/23/2012 15:25							NO LEAKS, KICK OUTS SET TO 3000 PSI FOR TEST.
Pump Spacer 1	03/23/2012 15:32		6	20			177.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

## Cementing Job Log

Pump Lead Cement	03/23/2012 15:40		6	50			254.0	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	03/23/2012 15:49		6	30			260.0	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	03/23/2012 15:52							
Drop Plug	03/23/2012 15:58							PLUG LAUNCHED
Pump Displacement	03/23/2012 16:00		7	56			331.0	FRESH WATER
Slow Rate	03/23/2012 16:06		4				310.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/23/2012 16:09						979.0	PLUG LANDED
Check Floats	03/23/2012 16:11							FLOATS HOLDING, 20 BBLS CEMENT TO SURFACE
End Job	03/23/2012 16:12							THANK YOU FOR USING HES LOGAN HUGENTOBLE AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	03/23/2012 16:20							ALL HES EMPLOYEES
Rig-Down Equipment	03/23/2012 16:30							