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# **BILL BARRETT CORPORATION E-BILL**

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**DIXON FED 41C-22-692  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
**25-Mar-2012**

**Job Site Documents**

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 343492		<b>Ship To #:</b> 2916268		<b>Quote #:</b>		<b>Sales Order #:</b> 9373811	
<b>Customer:</b> BILL BARRETT CORPORATION E-BILL				<b>Customer Rep:</b> Lauer, Casey			
<b>Well Name:</b> DIXON FED			<b>Well #:</b> 41C-22-692			<b>API/UWI #:</b> 05-045-21109	
<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. 56.718 secs.				<b>Long:</b> W 107.643 deg. OR W -108 deg. 21 min. 26.777 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>Srv 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 #
ENGBERG, KEVIN W	4	454218	HUGENTOBLE, LOGAN Mark	4	447333	SILVERTHORN, AARON Jacob	4	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
3/25/12	4	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	25 - Mar - 2012	13:00	MST
Form Type		BHST	Job Started	25 - Mar - 2012	18:00	MST
Job depth MD	800. ft	Job Depth TVD	Job Completed	25 - Mar - 2012	20:13	MST
Water Depth		Wk Ht Above Floor	Deparred Loc	25 - Mar - 2012	21:11	MST
Perforation Depth (MD)	From	To		25 - Mar - 2012	22:00	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	8.33	.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	SWIFTCES (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	6	6.85	
6.85 Gal		FRESH WATER								
4	Fresh Water Displacement		56.00	bbl	8.33	.0	.0	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	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	
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Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/25/2012 13:00							
Pre-Convoy Safety Meeting	03/25/2012 14:00							ALL HES EMPLOYEES
Arrive At Loc	03/25/2012 18:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	03/25/2012 18:10							ALL HES EMPLOYEES
Rig-Up Equipment	03/25/2012 18:30							1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-550 P/U, 1 PLUG CONTAINER
Pre-Job Safety Meeting	03/25/2012 20:00							ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS
Start Job	03/25/2012 20:13							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	03/25/2012 20:15		2	2			57.0	FILL LINES PRIOR TO PRESSURE TESTING LINES
Pressure Test	03/25/2012 20:17							NO LEAKS, KICK OUTS SET TO 3000 PSI FOR TEST.
Pump Spacer 1	03/25/2012 20:22		6	20			140.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	03/25/2012 20:31		6	50			190.0	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	03/25/2012 20:40		6	30			230.0	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	03/25/2012 20:49							
Drop Plug	03/25/2012 20:52							PLUG LAUNCHED
Pump Displacement	03/25/2012 20:54		7	56			299.0	FRESH WATER
Slow Rate	03/25/2012 20:58		4				327.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/25/2012 21:07						832.0	PLUG LANDED
Check Floats	03/25/2012 21:10							FLOATS HOLDING, 20 BBLS CEMENT TO SURFACE
End Job	03/25/2012 21:11							THANK YOU FOR USING HES LOGAN HUGENTOBLE AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	03/25/2012 21:15							ALL HES EMPLOYEES
Rig-Down Equipment	03/25/2012 21:30							
Pre-Convoy Safety Meeting	03/25/2012 22:00							ALL HES EMPLOYEES
Crew Leave Location	03/25/2012 22:05							LOCATION CLEAN