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# **BILL BARRETT CORPORATION E-BILL**

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**GGU DALEY 24D-19-691  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
**09-Mar-2011**

**Job Site Documents**

## The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2841350	Quote #:	Sales Order #: 8022430
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: MCNAMEO, MARK		
Well Name: GGU DALEY	Well #: 24D-19-691	API/UWI #: 05-045-19576	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.507 deg. OR N 39 deg. 30 min. 23.98 secs.	Long: W 107.599 deg. OR W -108 deg. 24 min. 3.6 secs.		
Contractor: Pro Petro	Rig/Platform Name/Num: Pro Petro		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: METLI, MARSHALL	Srv Supervisor: PHILLIPS, MARK	MBU ID Emp #: 445272	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	3	371353	COSTELDIA, BROCK James	3	476115	PHILLIPS, MARK Bejar	3	445272
WALPOLE, DARREN Livingston	3	485294						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744648C	60 mile	10867322	60 mile	10951250	60 mile	10998508	60 mile
10998512	60 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03-09-2011	3	1						

TOTAL Total is the sum of each column separately

## Job

## Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	09 - Mar - 2011	05:30	MST
Form Type	BHST		Job Started	09 - Mar - 2011	09:00	MST
Job depth MD	805. ft	Job Depth TVD	Job Completed	09 - Mar - 2011	11:00	MST
Water Depth		Wk Ht Above Floor	Departed Loc	09 - Mar - 2011	11:49	MST
Perforation Depth (MD)	From	To			13:30	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
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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		
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		

## 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				741	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 Fid	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	.	.0	.0	5.0	
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.75	5.0	13.75
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	5.0	6.85
6.85 Gal		FRESH WATER							
4	DISPLACEMENT		57.00	bbl	.	.0	.0	57.3	
Calculated Values		Pressures		Volumes					
Displacement	57.3	Shut In: Instant		Lost Returns	0	Cement Slurry	79.5	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	57.3	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	157
Rates									
Circulating	AIR	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	44 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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Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: METLI, MARSHALL	Srv Supervisor: PHILLIPS, MARK	MBU ID Emp #: 445272	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/09/2011 05:30							
Pre-Convoy Safety Meeting	03/09/2011 07:00							ALL HES EMPLOYEES
Arrive At Loc	03/09/2011 09:00							RIG ON BOTTOM.
Assessment Of Location Safety Meeting	03/09/2011 09:10							ALL HES EMPLOYEES, RIG ON BOTTOM
Rig-Up Equipment	03/09/2011 09:15							1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 9.625" SCREW IN HEAD, 1 F 450 P/U.
Pre-Job Safety Meeting	03/09/2011 10:45							ALL HES EMPLOYEES, RIG CREW, CO REP. THIRD PARTY
Start Job	03/09/2011 11:00							TD 805', TP 785', FC 741', HOLE 12.25", DRILLED WITH AIR HOLE IS EMPTY, 400 BBLs OF H2O ON LOCATION, WATER SAMPLE SUBMITTED. SJ 44',
Pump Water	03/09/2011 11:01		2	2			20.0	FILL LINES
Pressure Test	03/09/2011 11:05		0.5				2800. 0	NO LEAKS
Pump Spacer 1	03/09/2011 11:07		5	20			70.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	03/09/2011 11:11		5	49			200.0	120 SKS VERSACEM CMT MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GAL/SK, CMT WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED.
Pump Tail Cement	03/09/2011 11:20		5	30			180.0	160 SKS SWIFTCM CMT MIXED AT 14.2 PPG, 1.43 YIELD, 6.85 GAL/SK, CMT WEIGHED VIA PRESSURE BALANCED MUD SCALES. WET AND DRY SAMPLES SUBMITTED.
Shutdown	03/09/2011 11:26							
Drop Plug	03/09/2011 11:27							PLUG LAUNCH
Pump Displacement	03/09/2011 11:27		5	57.3			190.0	FRESH WATER
Cement Returns to Surface	03/09/2011 11:35		5	37			190.0	20 BBLS OF CEMENT BACK TO SURFACE. NO SUGAR USED.
Slow Rate	03/09/2011 11:36		2	47			260.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/09/2011 11:41		2	57.3			1100.0	PLUG LANDED HOLD FOR TWO MINUTES
Check Floats	03/09/2011 11:45							FLOATS HOLDING. HES TO PRESURE BACK UP ON HEAD AND LEAVE FOR FOUR HOURS. HES WILL MONITOR PRESSURE AND BLEED BACK IF NEEDED.
End Job	03/09/2011 11:49							THANK YOU FOR USING HES FROM MARK PHILLIPS AND CREW.

*Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Post-Job Safety Meeting (Pre Rig-Down)	03/09/2011 11:55							ALL HES EMPLOYEES
Rig-Down Equipment	03/09/2011 12:45							SAFELY
Pre-Convoy Safety Meeting	03/09/2011 13:00							ALL HES EMPLOYEES
Crew Leave Location	03/09/2011 13:45							SITE WAS AS CLEAN AS WHEN WE ARRIVED

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Ship To # :2841350

Quote # :

Sales Order # :

8022430

SUMMIT Version: 7.20.130

Wednesday, March 09, 2011 12:19:00