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# **BILL BARRETT CORPORATION E-BILL**

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**GGU DALEY 31A-30-691  
MAMM CREEK  
Garfield County . Colorado**

**Cement Surface Casing**  
**13-Mar-2011**

**Job Site Documents**

## The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2841262	Quote #:	Sales Order #: 8021888
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: MCNAMEO, MARK		
Well Name: GGU DALEY	Well #: 31A-30-691	API/UWI #: 05-045-19579	
Field: MAMM CREEK	City (SAP): UNKNOWN	County/Parish: Garfield	State: Colorado
Lat: N 39.506 deg. OR N 39 deg. 30 min. 23.033 secs.	Long: W 107.599 deg. OR W -108 deg. 24 min. 3.632 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 #
DOUT, JACOB J	4	430298	PHILLIPS, MARK Bejar	4	445272	WALPOLE, DARREN Livingston	4	485294

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025118	60 mile	10744648C	60 mile	10897891	60 mile	10951250	60 mile
10998508	60 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03-13-2011	4	1						
TOTAL			Total is the sum of each column separately					

## Job

## Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	13 - Mar - 2011	12:00	MST
Job depth MD	850 ft		Job Depth TVD	Job Started	13 - Mar - 2011	14:34	MST
Water Depth			Wk Ht Above Floor	Job Completed	13 - Mar - 2011	15:21	MST
Perforation Depth (MD)	From		To	Departed Loc	13 Mar 2011	17:00	MST

## Well Data

Description	New / Old	Max	Size	ID	Weight	Thread	Grade	Top MD	Bottom	Top TVD	Bottom TVD
Opened Hole		8.50		12.25					850		850

Description	Qty	Qty uom	Depth	Supplier
RIA DENSOMETER WICHART RECORDER, (JOB, Z)	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA		

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Plucker					Top Plug	1.500		HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SEB plug on			
Insert Float										Plug Container	9.000	1	HES
Stage Tool										Controlizers			

## Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc %
Treatment Fin	5.000	Reducer	1.000	Sand Type	1.000	5.000

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	5.0	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	5.0	13.77
	13.77 Gal	FRESH WATER							
3	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		61.00	bbl	8.33	.0	.0	5.0	
Calculated Values		Pressures		Volumes					
Displacement	60.6	Shut In: Instant		Lost Returns		Cement Slurry	81	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	20	Actual Displacement	60.6	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	162
Rates									
Circulating	0	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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Legal Description:			
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Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: METLI, MARSHALL	Srvc 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	03/13/2011 10:00							
Pre-Convoy Safety Meeting	03/13/2011 10:30							ALL HES EMPLOYEES
Rig-Up Equipment	03/13/2011 11:30							1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 9.625" SCREW IN TYPE PLUG CONTAINER, 1 F 450 P/U.
Arrive At Loc	03/13/2011 12:30							RIG RUNNING CASING
Assessment Of Location Safety Meeting	03/13/2011 12:45							ALL HES EMPLOYEES
Pre-Job Safety Meeting	03/13/2011 14:00							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	03/13/2011 14:34							TD 850', TP 828', HOLE 12.25", SJ 44', FC 784', 400 BBLs OF H2O ON LOCATION, WATER SAMPLE SUBMITTED. HOLES DRILLED WITH AIR, AIR RETURNS T/O. HOLE HAS NO FLUID IN IT.
Pump Water	03/13/2011 14:35		1	1			10.0	FILL LINES
Pressure Test	03/13/2011 14:38		0.5				2500. 0	NO LEAKS
Pump Spacer 1	03/13/2011 14:40		5	20			80.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	03/13/2011 14:44		5	51			140.0	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. NO RETURNS
Pump Tail Cement	03/13/2011 14:52		5	31			220.0	120 SKS VERSACEM 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.NO RETURNS
Shutdown	03/13/2011 14:57							
Drop Plug	03/13/2011 14:58							PLUG LAUNCH
Pump Displacement	03/13/2011 14:59		5	60.6			255.0	FRESH WATER, GOOD RETURNS NOTED 10 BBLs AWAY ON DISPLACEMENT
Cement Returns to Surface	03/13/2011 15:09		5	40			255.0	20 BBLs OF CEMENT RETURNED TO SURFACE.
Slow Rate	03/13/2011 15:10		2	50			250.0	10 BBLs PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/13/2011 15:12		2	60.6			1000. 0	PLUG LANDED HOLD FOR TWO MINUTES
Check Floats	03/13/2011 15:15							FLOATS NOT HOLDING.
Bump Plug	03/13/2011 15:17		1				1300. 0	PLUG LANDED
Check Floats	03/13/2011 15:19							FLOATS NOT HOLDING

*Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	03/13/2011 15:20		1				450.0	PLUG LANDED, HES TO PLACE 450 PSI ON CASING AND SHUT IN 2" VALVE. HES WHILE ON LOCATION WILL MONITOR PRESSURE.
End Job	03/13/2011 15:21							THANK YOU FOR USING HES FROM MARK PHILLIPS AND CREW. BULK EQUIPMENT BLOWN DOWN ON LOCATION.
Post-Job Safety Meeting (Pre Rig-Down)	03/13/2011 15:30							ALL HES EMPLOYEES
Rig-Down Equipment	03/13/2011 16:00							SAFELY
Pre-Convoy Safety Meeting	03/13/2011 16:10							ALL HES EMPLOYEES
Crew Leave Location	03/13/2011 16:20							SITE WAS AS CLEAN AS WHEN WE ARRIVED

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SUMMIT Version: 7.20.130

Sunday, March 13, 2011 03:53:00