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# **BILL BARRETT CORPORATION E-BILL**

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

**Cement Surface Casing**  
**15-Mar-2011**

**Job Site Documents**

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2841349	Quote #:	Sales Order #: 8022307
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: MCNAMEO, MARK	
Well Name: GGU DALEY	Well #: 24C-19-691	API/UWI #: 05-045-19585	
Field: MAMM CREEK	City (SAP): UNKNOWN	County/Parish: Garfield	State: Colorado
Lat: N 39.507 deg. OR N 39 deg. 30 min. 23.976 secs.		Long: W 107.599 deg. OR W -108 deg. 24 min. 3.47 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		Srvc 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						
10744648C	60 mile	10867094	60 mile	10897925	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
03-14-2011	3.5	0	03-15-2011	3.5	1			
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	14 - Mar - 2011 18:00 MST
Form Type	BHST	On Location	14 - Mar - 2011 20:30 MST
Job depth MD	815. ft	Job Started	15 - Mar - 2011 00:45 MST
Water Depth	Wk Ht Above Floor	Job Completed	15 - Mar - 2011 01:29 MST
Perforation Depth (MD) From	To	Departed Loc	15 - Mar - 2011 03:30 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
OPEN HOLE				12.25					815.		
SURFACE CASING	New		9.625	8.921	36.		J-55		794.		

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		
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				750	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 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	bbbl	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		58.00	bbbl	8.33	.0	.0	5.0	
Calculated Values		Pressures			Volumes				
Displacement	58	Shut In: Instant		Lost Returns	0	Cement Slurry	81	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	162
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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<b>Legal Description:</b>			
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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	03/14/2011 18:00							
Pre-Convoy Safety Meeting	03/14/2011 18:45							ALL HES EMPLOYEES
Arrive At Loc	03/14/2011 22:00							RIG STILL DRILLING
Assessment Of Location Safety Meeting	03/14/2011 22:11							ALL HES EMPLOYEES
Rig-Up Equipment	03/14/2011 22:30							1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 9.625" SCREW IN TYPE PLUG CONTAINER, 1 F 450 P/U.
Pre-Job Safety Meeting	03/15/2011 00:00							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	03/15/2011 00:45							TD 815', TP 794', HOLE 12.25", SJ 44', FC 750', 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	03/15/2011 00:45		1	1			10.0	FILL LINES
Pressure Test	03/15/2011 00:46		0.5				2500.0	NO LEAKS
Pump Spacer 1	03/15/2011 00:48		5	20			50.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	03/15/2011 00:52		5	51			70.0	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	03/15/2011 01:02		5	31			100.0	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	03/15/2011 01:08							
Drop Plug	03/15/2011 01:09							PLUG LAUNCH
Pump Displacement	03/15/2011 01:09		5	58			200.0	FRESH WATER, GOOD RETURNS NOTED 5 BBLS INTO DISPLACEMENT.
Cement Returns to Surface	03/15/2011 01:17		5	33			220.0	25 BBLS OF CEMENT RETURNED TO SURFACE.
Slow Rate	03/15/2011 01:19		2	48			220.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	03/15/2011 01:22		2	58			1350.0	PLUG LANDED HOLD FOR TWO MINUTES
Check Floats	03/15/2011 01:28							FLOATS HOLDING. AFTER SECOND TIME BUMPING PLUG.
End Job	03/15/2011 01:29							THANK YOU FOR USING HES FROM MARK PHILLIPS AND CREW. BULK EQUIPMENT BLOWN DOWN ON LOCATION.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Post-Job Safety Meeting (Pre Rig-Down)	03/15/2011 01:45							ALL HES EMPLOYEES
Rig-Down Equipment	03/15/2011 02:30							SAFELY
Pre-Convoy Safety Meeting	03/15/2011 03:00							ALL HES EMPLOYEES
Crew Leave Location	03/15/2011 03:30							SITE WAS AS CLEAN AS WHEN WE ARRIVED