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# BILL BARRETT CORPORATION E-BILL

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State #1  
WATTENBERG  
Weld County , Colorado

Plug Back  
27-Dec-2013

Job Site Documents

*Field Ticket*

<b>Field Ticket Number:</b> 901001842		<b>Field Ticket Date:</b> Friday, December 27, 2013	
<b>Bill To:</b> BILL BARRETT CORPORATION E-BILL DO NOT MAIL-1099 18TH ST,STE 2300W DENVER, CO 80202		<b>Job Name:</b> State <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> State #1 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Fort Lupton, CO, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> STATE #1,WELD STATE #1 3274651 BRIGHTON, CO 80602			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7530	CMT PLUG BACK BOM	1	JOB	0.00	0.00	0.00		0.00
432905	CMT, ROCKIES SG MILEAGE	1	MI			1,623.00	47.91%	845.50
	Number of Units	1						
432906	CMT, ROCKIES SG DELIVERY	100	TNM			2,407.47	48.55%	1,238.66
	NUMBER OF TONS	8.22						
432904	CMT, ROCKIES SG SETUP	1	EA			4,924.00	38.93%	3,007.00
452986	HALCEM (TM) SYSTEM	175	SK			6,783.00	50.0%	3,391.50
100008028	SUGAR, GRANULATED, IMPERIAL	50	LB	0.00	6.44	322.00	50%	161.00
16094	PLUG BACK/SPOT CEMENT OR MUD,ZI	1	EA	0.00	6,065.00	6,065.00	50%	3,032.50
	DEPTH	341						
	FEET/METERS (FT/M)		FT					
16096	Plugging Back, EA ADD HR, ZI	1	EA	0.00	1,071.00	1,071.00	50%	535.50
	HOURS	1						
	UNIT OF MEASURE - HRS		H					
				<b>Totals</b>	<b>USD</b>	<b>23,195.47</b>	<b>10,983.81</b>	<b>12,211.66</b>

Halliburton Rep: JOSEPH FANTASIA  
 Customer Agent: Johnny Damron  
 Halliburton Approval:

## Field Ticket

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<b>Ship To:</b> STATE #1,WELD STATE #1 3274651 BRIGHTON, CO 80602			

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THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.

CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X

FIELD TICKET TOTAL: USD

12,211.66

Customer Signature

Was our HSE performance satisfactory? Y or N  
(Health, Safety, Environment)

Were you satisfied with our Equipment? Y or N

Were you satisfied with our people? Y or N

Comments

**Customer Information Only**

AFE Number

Buyer's Name

Remit To location



## The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 3274651	Quote #:	Sales Order #: 901001842
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Damron, Johnny		
Well Name: State	Well #: #1	API/UWI #: 05-123-05154	
Field: WATTENBERG	City (SAP): BRIGHTON	County/Parish: Weld	State: Colorado
Contractor: WORKOVER	Rig/Platform Name/Num: WORKOVER		
Job Purpose: Plug Back			
Well Type: Development Well	Job Type: Plug Back		
Sales Person: GREGORY, JON	Srv Supervisor: FANTASIA, JOSEPH	MBU ID Emp #: 485445	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BYER, BEAU	6.0	560301	CONGDON, RICHARD S.	6.0	320306	FANTASIA, JOSEPH Brandon	6.0	485445
GRIFFITHS, ZACHARY Sakae	4.0	551430	HINKLE, BRADLEY Dean	6.0	512123			

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248053C	50 mile	11036295C	50 mile	11542778	50 mile		

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-27-2013	6	5						

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	27 - Dec - 2013	11:00	MST
Job depth MD	341. ft		Job Depth TVD	Job Started	27 - Dec - 2013	16:00	MST
Water Depth			Wk Ht Above Floor	Job Completed	20 - Dec - 2013	17:00	MST
Perforation Depth (MD)	From		To	Job Completed	27 - Dec - 2013	21:30	MST
				Departed Loc	27 - Dec - 2013	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
Surface	Unknown		10.75	10.05	40.5		J-55	.	245.		

## 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		

## Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	

**HALLIBURTON*****Cementing Job Summary***

<b>Stage/Plug #: 1</b>									
1	INJECTION TEST		10.00	bbl	8.33	.0	.0	1.5	
2	Lead Cement	HALCEM (TM) SYSTEM (452986)	175.0	sacks	15.8	1.15	5.0		2
5 Gal		FRESH WATER							
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					



## The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 3274651		Quote #:		Sales Order #: 901001842	
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Damron, Johnny			
Well Name: State			Well #: #1		API/UWI #: 05-123-05154		
Field: WATTENBERG		City (SAP): BRIGHTON		County/Parish: Weld		State: Colorado	
Legal Description:							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor: WORKOVER			Rig/Platform Name/Num: WORKOVER				
Job Purpose: Plug Back					Ticket Amount:		
Well Type: Development Well			Job Type: Plug Back				
Sales Person: GREGORY, JON			Srvc Supervisor: FANTASIA, JOSEPH			MBU ID Emp #: 485445	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	12/27/2013 16:00							RIG STILL RUNNING CASING ALL EQUIPMENT AND PERSONELL ON LOCATION REQUESTED ON LOCATION TIME 0430
Assessment Of Location Safety Meeting	12/27/2013 16:15							REVIEW 3RD PARTY ACTIVITIES, HAZARD HUNT
Pre-Rig Up Safety Meeting	12/27/2013 16:45							REVIEW RIG UP LAYOUT AND SPOTTING OF EQUIPMENT
Rig-Up Equipment	12/27/2013 16:50							
Rig-Up Completed	12/27/2013 17:10							
Pre-Job Safety Meeting	12/27/2013 17:15							WITH CUSTOMER AND 3RD PARTY INVOLVED IN JOB
Start Job	12/27/2013 17:20							CUSTOMER ASKED FOR 100 ADDITIONAL SACKS OF G CEMENT. HOT SHOT OUT.
Test Lines	12/27/2013 17:30						1490.0	PRESSRUE TEST LINES TO 1500 PSI
Circulate Well	12/27/2013 17:38		2	50			160.0	PUMP 50 BBLS MUD TO CIRCULATE WELL AND CLEAN OIL/GAS FROM WELL BORE.
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

*Cementing Job Log*

Shutdown	12/27/2013 18:31							SHUT DOWN TO WAIT ON CEMENT THAT CUSOTMER ORDERED. RIG PULLED 2 JOINTS OF TUBING OUT OF HOLE. DEPTH @ 279'.
Pump Spacer 1	12/27/2013 19:55		1	1			30.0	PUMP 1 BBL FRESH WATER SPACER BEFORE CEMENT.
Pump Cement	12/27/2013 20:04		2	36			150.0	175 SKS G CEMENT MIXED AT 15.8 PPG USING SUPPLIED WATER. DENSITY VERIFIED BY SCALE.
Pump Displacement	12/27/2013 20:29		1	1			40.0	PUMP 1 BBL DISPLACEMENT.
End Job	12/27/2013 21:30							PERFROM RIG DOWN SAFETY MEETING WITH CREW.

# HALLIBURTON

BILL BARRETT CORPORATION E-BILL  
BILL BARRETT STATE #1 PLUG  
BILL BARRETT STATE #1 PLUG

## 3.5 Job Event Log

Time	Description	Graph Label	Combined Pump Rate (bbl/min)	Pass-Side Pump Pressure (psi)	Recirc Density (ppg)	Comment
05:34:29	Start Job	Start Job	0.00	13.00	8.39	
05:34:41	Test Lines	Test Lines	0.00	12.00	8.39	
05:38:36	Pump Spacer 1	Circulate Well	0.00	3.00	8.39	
06:31:38	Shutdown	Shutdown	0.00	3.00	0.00	
07:55:23	Pump Spacer 1	Pump Spacer 1	0.00	8.00	8.39	
08:04:52	Pump Cement	Pump Cement	0.00	17.00	15.80	
08:29:23	Pump Displacement	Pump Displacement	2.00	75.00	0.00	
08:31:15	Shutdown	Shutdown	0.00	47.00	9.66	



4.0 Custom Graphs

4.1 Custom Graph

