

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 3088112		Quote #:		Sales Order #: 900657544	
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: SANDERS, KENNY			
Well Name: Narraguinnep State			Well #: #1		API/UWI #: 05-033-06131		
Field: WILD CAT		City (SAP): DOLORES		County/Parish: Montezuma		State: Colorado	
Lat: N 37.686 deg. OR N 37 deg. 41 min. 7.836 secs.				Long: W 108.559 deg. OR W -109 deg. 26 min. 27.96 secs.			
Contractor: WORKOVER			Rig/Platform Name/Num: Workover				
Job Purpose: Plug to Abandon Service							
Well Type: Development Well			Job Type: Plug to Abandon Service				
Sales Person: ERDMANN, LANCE			Srvc Supervisor: KUKUS, CRAIG			MBU ID Emp #: 369124	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRANDT, NICHOLAS Wayne	10	487947	HOPKINS, JUSTIN	10	269054	KUKUS, CRAIG A	10	369124
REED, VERNON	10	483554						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025024	122 mile	10025031	122 mile	10741115	122 mile	10804563	122 mile
11223557	122 mile	11259886	122 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/10/13	3	3	8/11/13	2.5				
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	10 - Aug - 2013	00:00	MST
Form Type	BHST		Job Started	10 - Aug - 2013	11:00	MST
Job depth MD	4973. ft	Job Depth TVD	Job Completed	10 - Aug - 2013	12:00	MST
Water Depth		Wk Ht Above Floor	Departed Loc	11 - Aug - 2013	15:50	MST
Perforation Depth (MD)	From	To		11 - Aug - 2013	14:50	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
Cement Plug	Used							2406.	2606.		
Cement Plug	Unknown								100.		
Cement Retainer	Unknown							689.	691.		
4 1/2" Production Casing	Unknown		4.5	4.	11.6		K-55		5995.		5995.
2 3/8" Tubing	Unknown		2.375	1.995	4.7		J-55		2606.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CALCIUM CHLORIDE HI TEST PLT	16	LB		

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	5.5	1	OTHER	671	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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer			bbl	8.33	.0	.0	1.5	
2	Plug Cement	HALCEM (TM) SYSTEM (452986)		sacks	15.8	1.15	4.96	1.5	4.96
	0.05 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	0.3 %	HALAD(R)-344, 50 LB (100003670)							
	4.964 Gal	FRESH WATER							
Stage/Plug #: 2									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Water Spacer		5.00	bbl	8.33	.0	.0	1	
2	Plug Cement Cement	HALCEM (TM) SYSTEM (452986)	90.0	sacks	15.8	1.15	4.99	1	4.99
	4.989 Gal	FRESH WATER							

Calculated Values		Pressures		Volumes			
Displacement	11	Shut In: Instant		Lost Returns	0	Cement Slurry	18.4
Top Of Cement	SURFACE	5 Min		Cement Returns	1	Actual Displacement	11
Frac Gradient		15 Min		Spacers	15	Load and Breakdown	
						Total Job	44

Rates							
Circulating	RIG	Mixing	1.5	Displacement	1.5	Avg. Job	1.5
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

The Information Stated Herein Is Correct	Customer Representative Signature
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