

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2428258	Quote #:	Sales Order #: 9781817
Customer: PDC ENERGY EBUS	Customer Rep: Sailors, Chad		
Well Name: Bixler	Well #: 32-5	API/UWI #:	
Field: WATTENBERG	City (SAP): GALETON	County/Parish: Weld	State: Colorado
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: AARON, WESLEY	Srv Supervisor: OZBUN, RYAN	MBU ID Emp #:	475709

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURGESS, CODY Alan	2.75	511446	DIRKS, RICHARD E	2.75	485940	GROVES, COREY	2.75	497175
OZBUN, RYAN Jacob	2.75	475709						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11398490	45 mile	11605597	45 mile	11808819	45 mile	11923776C	45 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8-30-12	2.75	2.75						
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	2300. ft	2300. ft	Wk Ht Above Floor			

Job Times

Called Out	Date	Time	Time Zone
On Location	30 - Aug - 2012	05:00	MST
Job Started	30 - Aug - 2012	08:20	MST
Job Completed	30 - Aug - 2012	09:18	MST
Departed Loc	30 - Aug - 2012	10:45	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
Production Casing	Unknown		4.5	4.	11.6				6921.		6900.
Tubing	Unknown		1.25	.824	2.4				2369.		2369.

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	Qty	

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
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Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
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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	ClayWeb Water Spacer			bbl	8.33	.0	.0	2.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	12.00	bbl	8.4	.0	.0	2.0	
3	ClayWeb Water Spacer			bbl	8.33	.0	.0	2.0	
59.525 gal/Mgal		CLA-WEB - TOTE (101985045)							
4	Varicem 12#	VARICEM (TM) CEMENT (452009)	345.0	sacks	12.	2.18	12.33	2.0	12.33
12.33 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	1.5	Shut In: Instant		Lost Returns	0	Cement Slurry	120	Pad	
Top Of Cement	0	5 Min		Cement Returns	10	Actual Displacement	1.5	Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	2	Displacement	2	Avg. Job		2	
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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Well Name: Bixler			Well #: 32-5		API/UWI #:		
Field: WATTENBERG		City (SAP): GALETON		County/Parish: Weld		State: Colorado	
Legal Description:							
Lat:				Long:			
Contractor:			Rig/Platform Name/Num:				
Job Purpose: Recement Service						Ticket Amount:	
Well Type: Development Well			Job Type: Recement Service				
Sales Person: AARON, WESLEY			Srvc Supervisor: OZBUN, RYAN			MBU ID Emp #: 475709	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	08/30/2012 09:19							
Test Lines	08/30/2012 09:21							TEST LINES TO 3500 CHECK FOR VISIBLE LEAKS AND PRESSURE LOSS ALL CHECKED OUT GOOD
Pump Fresh Water	08/30/2012 09:23		2	10			1200.0	PUMP 10 BBL FRESH WATER WITH CLAY WEB
Pump Mud Flush	08/30/2012 09:29		2	12			1200.0	PUMP 12 BBL MUDFLUSH
Pump Fresh Water	08/30/2012 09:35		2	10			1200.0	PUMP 10 BBL FRESH WATER WITH CLAY WEB
Pump Cement	08/30/2012 09:40		2	120			1300.0	PUMP 120 BBL 12 PPG VARICEM 2.19 YEILD 12.32 GAL/SK 308 SKS MIXED ON THE FLY
Pump Displacement	08/30/2012 10:42		2	1.5				PUMP 1.5 BBL FRESH WATER
Shutdown	08/30/2012 10:43							SHUTDOWN
End Job	08/30/2012 10:44							RIGGED OFF PIPE RIG BEGAN TO PULL TUBING