

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2575634	Quote #:	Sales Order #: 8419734
Customer: PDC ENERGY EBUS	Customer Rep: Sailors, Chad		
Well Name: Nelson	Well #: 23-34	API/UWI #: 05-123-25121	State: Colorado
Field:	City (SAP): MILLIKEN	County/Parish: Weld	
Lat: N 40.355 deg. OR N 40 deg. 21 min. 16.2 secs.	Long: W 104.881 deg. OR W -105 deg. 7 min. 6.708 secs.		
Contractor: BWS	Rig/Platform Name/Num: #7		
Job Purpose: Recement Service	Job Type: Recement Service		
Well Type: Development Well	Svc Supervisor: THOMPSON, STEVEN	MBU ID Emp #: 445340	
Sales Person: FLING, MATTHEW			

Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
FLYNN, SHAD	2.5	476484	THOMPSON, STEVEN	2.5	445340	VIGIL, NICHOLAS	2.5
Michael			Darrin				443481

Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11036298	30 mile	11518549	30 mile	11667703C	30 mile		

Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
8/24/11	2.5	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	24 - Aug - 2011	13:00	MST				
Job depth MD	6100. ft	Job Depth TVD	6100. ft	Job Started	24 - Aug - 2011	14:05	MST				
Water Depth		Wk Ht Above Floor	6. ft	Job Completed	24 - Aug - 2011	00:00	MST				
Perforation Depth (MD)	From	To		Departed Loc	24 - Aug - 2011	00:00	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
Open Hole				9.				411.	1100.		
Production Casing	Unknown		4.5	4.052	10.5		J-55		677.5		
Surface Casing	Unknown		8.625	8.097	24.		J-55		411.		
TUBING	Unknown		1.25	.671	3.02				1100.		

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	

Stage/Plug #: 1										Fluid Data									
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	ClayFix III Water Spacer					10.00	bbl	8.33	.0	.0	2.0								
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)				0.00	bbl	.	.0	.0	.0								
3	CalyFix III Water Spacer					10.00	bbl	8.33	.0	.0	2.0								
59.525 gal/Mgal		CLAYFIX 3, TOTETANK (101583425)																	
Calculated Values			Pressures			Volumes													
Displacement	1	Shut In: Instant			Lost Returns	0	Cement Slurry	71	Pad										
Top Of Cement		5 Min			Cement Returns	8	Actual Displacement	1	Treatment										
Frac Gradient		15 Min			Spacers	20	Load and Breakdown		Total Job	102									
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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Legal Description:			
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Job Purpose: Recement Service	Ticket Amount:		
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srvc Supervisor: THOMPSON, STEVEN	MBU ID Emp #: 445340	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments
Start Job	08/24/2011 14:05					WELL CIRCULATED 1 HOUR PRIOR TO CEMENTING
Test Lines	08/24/2011 14:08				3500.0	TEST LINES WITH RIG WATER
Pump Spacer 1	08/24/2011 14:11		2	10		RIG WATER WITH CLAYFIX III
Pump Spacer 1	08/24/2011 14:16		2	10		RIG WATER WITH CLAYFIX III
Pump Lead Cement	08/24/2011 14:22		2	71		235 SKS EXTENDACEM 13.0PPG MIXED WITH RIG WATER
Shutdown	08/24/2011 14:57					TUBING GOT STUCK SHUTDOWN BROKE OFF AND PULLED 5 JOINTS AND THEN CONTINUED TO FINISH PUMPING CEMENT.
Pump Displacement	08/24/2011 15:17		1	1	102	RIG WATER. CEMENT RETURNS TO PIT WERE 7 TO 8 BBLs.
End Job	08/24/2011 15:20					

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