

*The Road to Excellence Starts with Safety*

Sold To #: 304535		Ship To #: 2888346		Quote #:		Sales Order #: 9031620	
Customer: PDC ENERGY EBUS				Customer Rep: SAILORS, CHAD			
Well Name: Booth		City (SAP): EATON		Well #: 11-25		API/UWI #: 05-123-22336	
Field:		County/Parish: Weld		State: Colorado			
Job Purpose: Recement Service							
Well Type: Development Well				Job Type: Recement Service			
Sales Person: FLING, MATTHEW				Srv Supervisor: KELEHER, JASON		MBU ID Emp #: 437348	

Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
KELEHER, JASON E	8.5	437348	MARKOVICH, STEVEN	8.5	502964	MILLER, GEOFFREY	8.5
STOEBER, KEITH A	8.5	486734	Michael			Alan	

Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10977079C	45 mile	11518548	45 mile	11542778	45 mile	11562544C	45 mile
11566182	45 mile	11645065	45 mile				

Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
11-1-11	8.5	4.5					
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	01 - Nov - 2011	11:30	MST
Job depth MD	3025. ft	Job Depth TVD	3025. ft	Job Started	01 - Nov - 2011	16:33	MST
Water Depth		Wk Ht Above Floor		Job Completed	01 - Nov - 2011	19:07	MST
Perforation Depth (MD)	From	To		Departed Loc	01 - Nov - 2011	20:00	MST

Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Open Hole				9.			
Production	Unknown		4.5	4.052	10.5		J-55
Casing	n						494.
Surface Casing	Unknown		8.625	8.097	24.		J-55
TUBING	Unknown		1.25	.671	3.02		

Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							

Miscellaneous Materials							
Gelling Agt	Conc	Conc	Surfactant	Conc	Conc	Acid Type	Qty
Treatment Fld		Conc	Inhibitor		Conc	Sand Type	Conc %

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
1	ClayFix III Water Spacer		10.00	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	CalFix III Water Spacer		10.00	bbl	8.33	.0	.0	2.0	
59.525 gal/Mgal CLAYFIX 3, TOTETANK (101583425)									
4	VarCem 12.0#	VARICEM (TM) CEMENT (452009)	310.0	sacks	12.	2.18	12.34	2.0	12.34
12.34 Gal FRESH WATER									
5	Varicem 13#	VARICEM (TM) CEMENT (452009)	170.0	sacks	13.	1.71	8.84	2.0	8.84
8.84 Gal FRESH WATER									
Calculated Values			Pressures		Volumes				
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	
Rates									
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	ID	
The Information Stated Herein Is Correct				Customer Representative Signature					

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Well Name: Booth		Well #: 11-25		API/UWI #: 05-123-22336		State: Colorado	
Field:		City (SAP): EATON		County/Parish: Weld			
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:		Rig/Platform Name/Num:		Ticket Amount:			
Job Purpose: Recement Service		Job Type: Recement Service					
Well Type: Development Well		Src Supervisor: KELEHER, JASON		MBU ID Emp #: 437348			
Sales Person: FLING, MATTHEW							
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments	
				Stage	Total	Tubing	Casing
Arrive at Location from Service Center	11/01/2011 11:30						
Assessment Of Location Safety Meeting	11/01/2011 15:30						
Test Lines	11/01/2011 16:34						PRESSURE TEST TO 3000 PSI
Pump Spacer 1	11/01/2011 16:37	2		10			1665.0 RIG WATER WITH CLAYFIX III ADDED
Pump Spacer 2	11/01/2011 16:42	2		12			1680.0 MUDDLUSH III ADDED IN RIG WATER
Pump Spacer 1	11/01/2011 16:48	2		10			1660.0 RIG WATER WITH CLAYFIX III ADDED
Pump Cement	11/01/2011 16:55	2		120			1775.0 310 SKS VARICEM MIXED AT 12.0 PPG WITH RIG WATER
Pump Displacement	11/01/2011 17:59	1.5		1.5			1502.0 RIG WATER
Shutdown	11/01/2011 17:59						RIG TO PULL UP TO 1000"
Pump Cement	11/01/2011 18:32	1.5		51			720.0 170 SKS VARICEM MIXED AT 13.0 PPG WITH RIG WATER
Pump Displacement	11/01/2011 19:04	1.5		1			692.0 RIG WATER
Shutdown	11/01/2011 19:05						GOOD RETURNS THROUGHOUT JOB. AT 40 BBL AWAY IN CEMENT CEMENT BACK TO SURFACE
End Job	11/01/2011 19:07						

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