

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2343409	Quote #:	Sales Order #: 9389565
Customer: PDC ENERGY EBUS		Customer Rep:	
Well Name: Francen	Well #: 23-8	API/UWI #:	
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srv Supervisor: SALINAS, JOSE	MBU ID Emp #: 100319	

Job Personnel									
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	
HELMICK, MATTHEW James	4.0	507553	MILLER, GEOFFREY Alan	4.0	460232	ROMERO, JOSEPH M	4.0	512137	
SALINAS, JOSE R	4.0	100319							

Equipment									
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way		
10866493C	45 mile	10982754C	45 mile	11064046C	45 mile	11605597	45 mile		
11667703C	45 mile								

Job Hours									
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	
3-28-12	4	2							
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	28 - Mar - 2012	05:30	MST					
Job depth MD	3800. ft	Job Depth TVD	3800. ft	Job Started	28 - Mar - 2012	06:30	MST						
Water Depth		Wk Ht Above Floor		Job Completed	28 - Mar - 2012	09:10	MST						
Perforation Depth (MD)	From	To		Departed Loc	28 - Mar - 2012	10:30	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	Used		4.5	4.052	10.5		J-55	415.	3800.		
Production	Used		9.				J-55	8450.			
Casing	Used		8.625	8.097	24.		J-55	415.			
Surface Casing	Used		1.25	.671	3.02			3800.			
TUBING	Used										

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 Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
Fluid #	Stage Type								

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	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	ClayWeb Water Spacer	Water spacer		10.00	bbl	8.33	.0	.0	2.0			
59.525 gal/Mgal		CLA-WEB - TOTE (101985045)										
4	FILLCEM 11.8#	EXPANDACEM (TM) SYSTEM (452979)		450.0	sacks	11.8	2.06	11.25	2.0	11.25		
11.25 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					
The Information Stated Herein Is Correct				Customer Representative Signature								

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Customer: PDC ENERGY EBUS				Customer Rep:				
Well Name: Franzen		Well #: 23-8		API/UWI #:				
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld		State: Colorado				
Legal Description:				Long:				
Lat:		Rig/Platform Name/Num:		Ticket Amount:				
Contractor:		Job Purpose: Recement Service						
Well Type: Development Well		Job Type: Recement Service						
Sales Person: FLING, MATTHEW		Srv Supervisor: SALINAS, JOSE		MBU ID Emp #: 100319				
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	03/28/2012 05:30							
Pre-Rig Up Safety Meeting	03/28/2012 05:35							
Rig-Up Equipment	03/28/2012 05:45							
Pre-Job Safety Meeting	03/28/2012 06:15							
Test Lines	03/28/2012 06:35		2	2			3500.0	TEST LINES WIT WATER
Pump Spacer	03/28/2012 06:38		2	10			1245.0	PUMP WATER SPACER @ 8.33 PPG
Pump Spacer	03/28/2012 06:44		2	12			1296.0	PUMP MUDFLUSH SPACER @ 8.33 PPG
Pump Spacer	03/28/2012 06:52		2	10			1567.0	PIMP WATER SPACER @ 8.33 PPG
Pump Lead Cement	03/28/2012 06:57		2	99			1815.0	PUMP 270 SKS OF FILLCEM CMT @ 11.8 PPG (99.0 BBLS)
Other	03/28/2012 07:59		0	0			.0	PULL OUT OF HOLL WITH 52 JOINTS
Pump Lead Cement	03/28/2012 08:30		2	99			1349.0	PUMP 270 SKS OF FILLCEM @ 11.8 PPG (99.0 BBLS)
Pump Displacement	03/28/2012 09:09		1	1			1100.0	PUMP DISPLACEMENT WITH WATER
Pre-Rig Down Safety Meeting	03/28/2012 09:20							
Rig-Down Equipment	03/28/2012 09:30							
Depart Location Safety Meeting	03/28/2012 10:15							
Depart from Service Center or Other Site	03/28/2012 10:30							

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SUMMIT Version: 7.3.0021

Wednesday, March 28, 2012 09:21:00