

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2843338	Quote #:	Sales Order #: 8043890			
Customer: PDC ENERGY EBUS	Well Name: Wells Ranch	Well #: 42-5	Customer Rep: Green, Dan			
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	AP/UWI #: 05-123-22242-00			
Legal Description: Section 1 Township 5N Range 63W	State: Colorado	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	MIBU ID Emp #: 300487				
Well Type: Development Well	Svc Supervisor: GIBBS, JASON	Sales Person: PETERSON, ERIC				
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments
Arrive at Location from Service Center	03/18/2011 13:30					
Assessment Of Location Safety Meeting	03/18/2011 13:45					H2O test (Temp 47.1, Carbonate 8, Iron 0, Chlorides 0)
Safety Meeting	03/18/2011 14:30					
Start Job	03/18/2011 14:45					
Test Lines	03/18/2011 14:45					Test Lines 3300 psi
Pump Spacer 1	03/18/2011 14:48		2	10	1290.0	H2O supplied by the rig.
Pump Spacer 2	03/18/2011 14:53		2	12	1600.0	Mudflush Spacer mixed with H2O supplied by rig.
Pump Spacer 1	03/18/2011 14:53		2	10	1581.0	H2O supplied by the rig.
Pump Cement	03/18/2011 15:04		2	155	1753.0	400 sks @ 11.3 #/gal mixed with H2O supplied by rig. Mixed and pumped 363 sks do to get cnt back to surface.
Pump Displacement	03/18/2011 16:45		0		.0	H2O supplied by the rig. Pumped 0 bbl's of displacement apou customers request.
End Job	03/18/2011 16:45					Shutdown and pulling unit is laying down 1 1/4" tubing. 10 bbl cnt back to surface

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8043890

SUMMIT Version: 7.20.130

Friday, March 18, 2011 04:54:00

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Job Personnel													
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #					
GIBBS, JASON Edwin	6.0	300487	OLSON, NICHOLAS Martin	6.0	470709	PAUMEN, CORD Anthony	6.0	453759					
Equipment													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way						
11488570	58 MILES	11026160	58 MILES	11064046	58 MILES	11019275	58 MILES						
						10972458	58 MILES						
Job Hours													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours					
TOTAL													
			Total is the sum of each column separately										
Job				Job Times									
Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone							
Formation Depth (MD)				18 - Mar - 2011	10:00	MST							
Form Type	BHST		On Location	18 - Mar - 2011	13:15	MST							
Job depth MD	2770. ft	Job Depth TVD	2770. ft	18 - Mar - 2011	14:45	MST							
Water Depth		WK Ht Above Floor		18 - Mar - 2011	16:45	MST							
Perforation Depth (MD)	From	To	Departed Loc	18 - Mar - 2011	18:00	MST							
Well Data													
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MID ft	Bottom MD ft	Top TVD ft	Bottom TVD ft		
Open Hole Production	Unknow ⁿ		4.5	4.052	10.5		J-55	367.	2770.0.				
Casing	Unknow ⁿ		8.625	8.097	24.		J-55	.	410.				
Surface Casing	Unknow ⁿ		1.25	.671	3.02				2850.				
TUBING	Unknow ⁿ												
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	Conc	Surfactant	Conc	Conc	Acid Type	Qty	Conc	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Conc	Inhibitor	Conc	Conc	Sand Type	Size	Conc	Conc	Sand Type	Size	Conc	%

Stage/Plug #: 1				Fluid Data							
Fluid #	Stage Type	Fluid Name		Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gall/sk	Rate bbl/min	Total Mix Fluid Gall/sk	
1	Clay/Fix 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	Caly/Fix III Water Spacer			10.00	bbl	8.33	.0	.0	2.0		
		59.525 gal/Mgal									
4	Extendacem 11.3#	EXTENDACEM (TM) SYSTEM (452981)		363.0	sacks	11.3	2.4	13.85	2.0	13.85	
		13.85 Gal									
5	Displacement	FRESH WATER		0.00	bbl	8.33	.0	.0	.0		
Calculated Values				Pressures				Volumes			
Displacement	0	Shut In: Instant		Lost Returns		Cement Slurry		Pad			
Top Of Cement		5 Min		Cement Returns	10 BBL	Actual Displacement		Treatment			
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job			
				Rates							
Circulating	2.0	Mixing	2.0	Displacement	0	Avg. Job			2.0		
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	ID	ID	
The Information Stated Herein Is Correct				Customer Representative Signature							