

The Road to Excellence Starts with Safety

Sold To #: 304535		Ship To #: 2843338		Quote #:		Sales Order #: 8043890	
Customer: PDC ENERGY EBUS				Customer Rep: Green, Dan			
Well Name: Wells Ranch		Well #: 42-5		API/UWI #: 05-123-22242-00		State: Colorado	
Field: WATTENBERG		City (SAP): KERSEY		County/Parish: Weld			
Legal Description: Section 1 Township 5N Range 63W							
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:					
Job Purpose: Recement Service		Ticket Amount:					
Well Type: Development Well		Job Type: Recement Service					
Sales Person: PETERSON, ERIC		Srv Supervisor: GIBBS, JASON		MBU ID Emp #: 300487			

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
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

Sold To # : 304535

Ship To # :2843338

Quote # :

Sales Order # :

8043890

SUMMIT Version: 7.20.130

Friday, March 18, 2011 04:54:00

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2843338	Quote #:	Sales Order #: 8043890
Customer: PDC ENERGY EBUS		Customer Rep: Green, Dan	
Well Name: Wells Ranch	Well #: 42-5	API/UWI #: 05-123-22242-00	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Legal Description: Section 1 Township 5N Range 63W			
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: PETERSON, ERIC	Svc Supervisor: GIBBS, JASON	MBU ID Emp #: 300487	

Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
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
TOTAL					
Total is the sum of each column separately					

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Date	Time	Time Zone	
Form Type		BHST		Called Out	18 - Mar - 2011	10:00	MST
Job depth MD	2770. ft	Job Depth TVD	2770. ft	On Location	18 - Mar - 2011	13:15	MST
Water Depth		Wk Ht Above Floor		Job Started	18 - Mar - 2011	14:45	MST
Perforation Depth (MD)	From	To		Job Completed	18 - Mar - 2011	16:45	MST
				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				9.				367.	2770.0.		
Production Casing	Unknown		4.5	4.052	10.5		J-55		6942.		
Surface Casing	Unknown		8.625	8.097	24.		J-55		410.		
TUBING	Unknown		1.25	.671	3.02				2850.		

Tools and Accessories									
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth
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	%
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	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		CLAY/FIX 3, TOTETANK (101583425)									
4	Extendacem 11.3#		EXTENDACEM (TM) SYSTEM (452981)	363.0	sacks	11.3	2.4	13.85	2.0	13.85			
		13.85 Gal		FRESH WATER									
5	Displacement			0.00	bbl	8.33	.0	.0	.0				
Calculated Values				Pressures		Rates							
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					
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					
The Information Stated Herein Is Correct					Customer Representative Signature								