

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 304535		Ship To #: 2862585		Quote #:		Sales Order #: 8281607	
Customer: PDC ENERGY EBUS				Customer Rep:			
Well Name: Wells Ranch		Well #: 41-3		API/UWI #:			
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld	State: Colorado				
Legal Description:				Lat:			
Contractor:		Rig/Platform Name/Num:		Long:			
Job Purpose: Recement Service		Job Type: Recement Service		Ticket Amount:			
Well Type: Development Well		Svc Supervisor: ROSALES, MATTHEW/MBU ID Emp #: 392095					
Sales Person: THEIS, MATTHEW							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/28/2011 03:30							
Pre-Convoy Safety Meeting	06/28/2011 04:50							
Depart from Service Center or Other Site	06/28/2011 05:00							
Arrive At Loc	06/28/2011 06:40							RIG IS RUNNING TUBING IN HOLE
Assessment Of Location Safety Meeting	06/28/2011 06:40							HAZARD HUNT, JSA, MEET AND GREET
Pre-Rig Up Safety Meeting	06/28/2011 06:45							IRON LAYOUT, PINCH POINTS, TEAMWORK, SNAKE WATCHOUT, HOUSEKEEPING
Rig-Up Equipment	06/28/2011 06:50							
Rig-Up Completed	06/28/2011 07:10							
Pre-Job Safety Meeting	06/28/2011 07:15							PUMP SCHEDULE, JOB HAZARD, LOCATION HAZARDS, OFF LIMIT AREAS, LOCATION OF EMERGENCY STATIONS
Start Job	06/28/2011 07:33							
Test Lines	06/28/2011 07:33		0.5	0.5			3500. 0	
Pump Spacer 1	06/28/2011 07:35		2	10	10		1380. 0	WATER SPACER WITH CLAYFIX
Pump Spacer 2	06/28/2011 07:41		2	12	22		1430. 0	MUD FLUSH
Pump Spacer 1	06/28/2011 07:48		2.5	10	32		2000. 0	WATER SPACER WITH CLAYFIX

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	06/28/2011 07:52		2.2	111	143		2350. 0	285SKS VARICEM CEMENT MIXED WITH WATER PROVIDED BY RIG
Pump Displacement	06/28/2011 08:43		2	1.5	144.5		1897. 0	
Shutdown	06/28/2011 08:44							SHUTDOWN WHILE RIG PULLS TUBING OUT OF HOLE
Pump Cement	06/28/2011 09:15		1	45	189.5		250.0	
Pump Displacement	06/28/2011 09:48		1	1	190.5		260.0	
End Job	06/28/2011 09:50							
Pre-Rig Down Safety Meeting	06/28/2011 09:55							
Rig-Down Equipment	06/28/2011 10:00							
Rig-Down Completed	06/28/2011 11:00							
Depart Location for Service Center or Other Site	06/28/2011 11:10							