

The Road to Excellence Starts with Safety

Sold To #:	304535	Ship To #:	2865769	Quote #:		Sales Order #:	8320412
Customer:	PDC ENERGY EBUS	Customer Rep:	Sailors, Chad				
Well Name:	Wells Ranch	Well #:	24-1	API/UWI #:	05-123-22245-00		
Field:		City (SAP):	KERSEY	County/Parish:	Weld	State:	Colorado
Legal Description:							
Lat:	N 40.423 deg.	OR N 40 deg.	25 min.	22.404 secs.	Long:	W 104.388 deg.	OR W -105 deg. 36 min. 44.712 secs.
Contractor:							
Job Purpose:	Recement Service	Rig/Platform Name/Num:					
Well Type:	Development Well	Job Type:	Recement Service	Ticket Amount:			
Sales Person:	THEIS, MATTHEW	Svc Supervisor:	HUGHES, ERVIN	MBU ID Emp #:	100271		
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments	
Call Out	07/14/2011 02:00					Crew Called Out	
Depart from Service Center or Other Site	07/14/2011 03:45					Depart Yard for Location	
Arrive At Loc	07/14/2011 05:30					Arrive on Location	
Pre-Rig Up Safety Meeting	07/14/2011 05:40					Safety Meeting	
Rig-Up Equipment	07/14/2011 05:45					Spot and Rig Up Equipment	
Pre-Job Safety Meeting	07/14/2011 07:00					Pre Job Safety Meeting with Rig Crew	
Standby - Other - see comments	07/14/2011 07:10					Wait on Water Trucks	
Test Lines	07/14/2011 07:30					Test Lines with Fresh Water @ 8.33 ppg	
Pump Spacer 1	07/14/2011 07:35	2	10	10	1775.0	Pump Clayfix Water Spacer @ 8.33 ppg	
Pump Spacer 2	07/14/2011 07:41	2	12	22	1500.0	Pump Mud Flush Spacer @ 8.4 ppg	
Pump Spacer 1	07/14/2011 07:47	2	10	32	1675.0	Pump Clayfix Water Spacer @ 8.3 ppg	
Pump Lead Cement	07/14/2011 07:51	2	98	130	1836.0	Pump 251 sks Varicem Surface Cmt mixed with fresh water @ 12.0 ppg	
Pump Displacement	07/14/2011 08:35	2	1.5	131.5	2100.0	Pump Clayfix Water Displacement @ 8.33 ppg	
Shutdown	07/14/2011 08:37					Shut Down and Rig Crew to Pull 50 Joints.	
Release Tubing Pressure	07/14/2011 08:40						
Rig-Up Equipment	07/14/2011 09:00					Rig Up to Tubing	

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	07/14/2011 09:08		2	45	176.5	1100. 0		Pump 200 sks Varicem Surface Cmt mixed @ 13.0 ppg
Pump Displacement	07/14/2011 09:28		2	1	177.5	1050. 0		Pump Clayfix Water Displacement @ 8.33 ppg
Post-Job Safety Meeting (Pre Rig-Down)	07/14/2011 09:35							Safety Meeting
Rig-Down Equipment	07/14/2011 09:45							Rig Down Equipment
Depart Location for Service Center or Other Site	07/14/2011 10:45							Depart Location