

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION OF CIMAREX ENERGY CO.  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND FOR COMPULSORY  
POOLING, LEA COUNTY, NEW MEXICO.**

**Case No. 14,153**

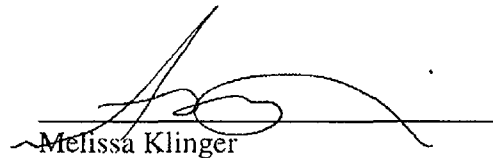
**AFFIDAVIT OF MELISSA KLINGER**

CITY AND COUNTY OF DENVER            )  
  ) ss.  
STATE OF COLORADO                    )

Melissa Klinger, being duly sworn upon his oath, deposes and states:

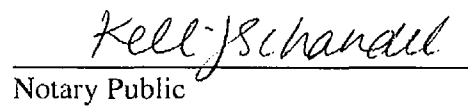
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Cimarex Energy Co. ("Cimarex").
3. Exhibit A is a plat of the Caudill field, a Wolfcamp and Devonian field discovered in 1954. Cimarex is attempting to extend the productive portion of the field to the south and southeast.
4. Exhibit B is a structure map on top of the Wolfcamp formation. The Wolfcamp formation dips gently to the southeast. Exhibit B also contains production data from older, vertical wells in the pool.
5. The proposed well is moving downdip, and there is a thinner Wolfcamp section in the proposed well. Exhibit C is a cross section of wells in the pool. The pay being tested in the horizontal well is indicated on the cross section.
6. Attached as Exhibit D is a production plat from the offsetting Caudill South 21 Fee Well No. 2H, a horizontal well. Production decline is flat and indicates the benefits of horizontal drilling.
7. Both quarter-quarter sections in the well unit are prospective in the Wolfcamp, and Cimarex anticipates producing reserves from each quarter-quarter section.
8. Exhibit E is a directional drilling plan for the well. Vertical wells would not be economic, due to the thinner pay section available to such a well. A horizontal wellbore will test a greater reservoir length, increasing the chances for an economic completion.

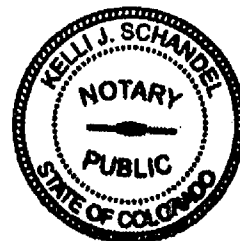
Oil Conservation Division  
Case No. \_\_\_\_\_  
Exhibit No. 2

  
Melissa Klinger

SUBSCRIBED AND SWORN TO before me this 23 day of July, 2008 by Melissa Klinger.

My Commission Expires: 8/23/09

  
Notary Public



My Commission Expires Aug. 23, 2009