

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, CHAVES COUNTY, NEW MEXICO.

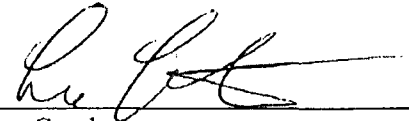
Case No. 14,415

AFFIDAVIT OF LEE CATALANO

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Lee Catalano, 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 structure map on top of the Hueco (Wolfcamp) formation. The formation dips gently to the southeast. Exhibit A also contains production data from existing wells in the pool.
4. Exhibit B is a cross section which shows the productive interval and stratigraphic target for horizontal Abo/Wolfcamp wells in the area.
5. Attached as Exhibit C is the horizontal drilling plan for the subject well. A horizontal wellbore will test a greater reservoir length, increasing the chances for an economic completion.
6. All four quarter-quarter sections in the well unit are prospective in the Abo/Wolfcamp formation, and Cimarex anticipates producing reserves from each quarter-quarter section.



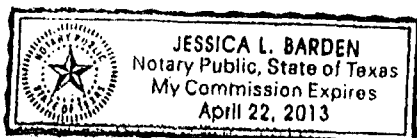
Lee Catalano

SUBSCRIBED AND SWORN TO before me this 6th day of January, 2010 by Lee Catalano.

My Commission Expires: 4/22/2013

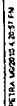


Notary Public



Oil Conservation Division
Case No. _____
Exhibit No. 2

A



A North

ELEV_KB: 4,471
29079

MARSHALL & WINSTON INCORPORATED
COMP. DATE : 3/18/2009
MEDLIN 8 FEDERAL.COM
T155 R31E S8
500 FSL 330 FWL

29037

CIMAREX ENERGY OF CO
FRANKLIN 18 FEE
3
T15S R31E S12
330 FNL 2270 FEL

ELEV KB: 4.469
Z9034

CINARX ENERGY OF COLORADO
COMP_DATE : 9/19/2008
MIDWAY 17 FEDERAL
1
T155 R31E S17
1980 FNL 330 FWL

ELEV_KB : 4.452
29090

CINAREX ENERGY OF CO
FRANKLIN 18 FEDERAL COM

South
A'

1

BASE_ANHYDRITE [LEC]

Stringency Target
L. Abw Interval

HUECO, WOLF CAMP) (LEC)

X_MKR[LEC]

EXHIBIT

B

CIMAREX ENERGY

Caprock Area

Lower Abo/Wolfcamp

Struct X-Section

Chaves Co., NM

Franklin 18 Lease

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by Lee Carlsberg