

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. _____

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 17th day of March, 2010 by Lee Catalano.

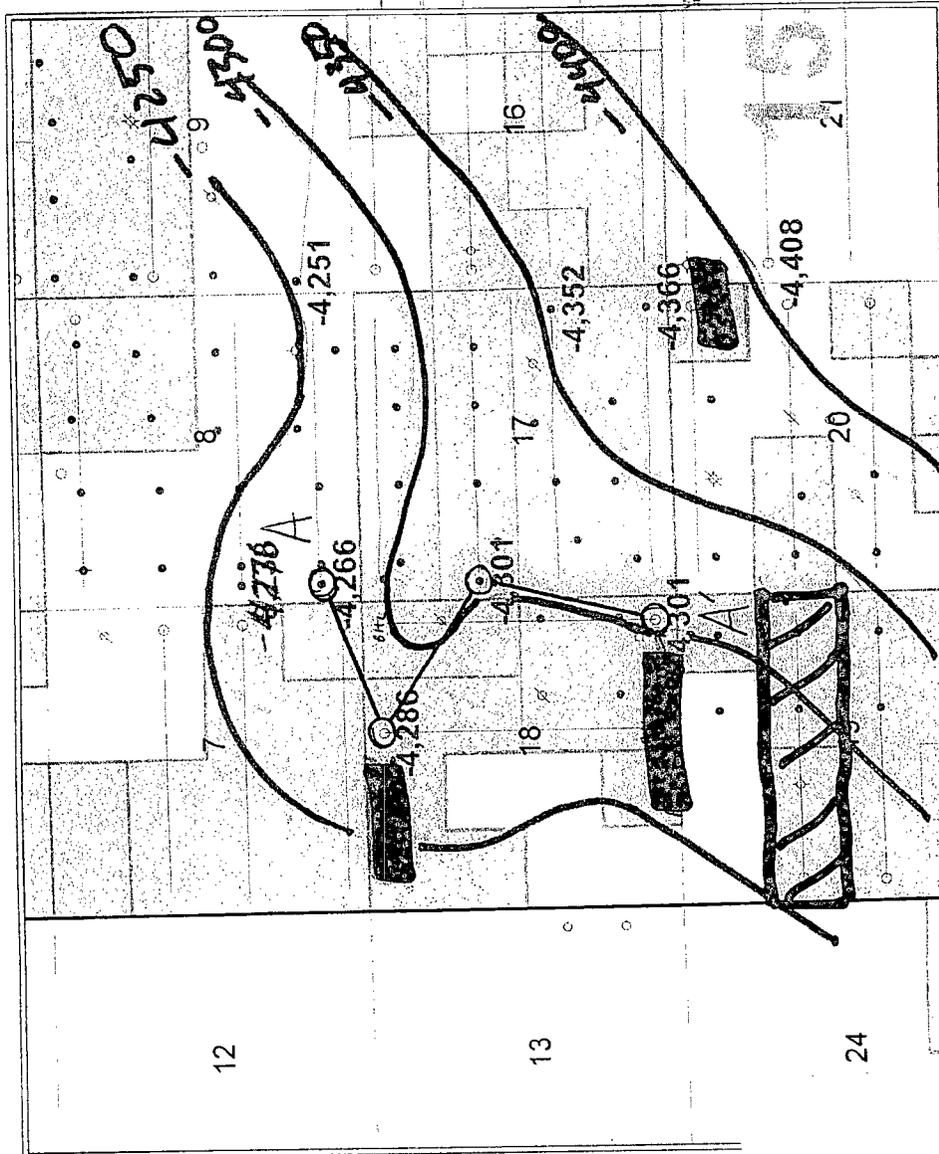
My Commission Expires: 4-22-2013



Notary Public



Oil Conservation Division
Case No. _____
Exhibit No. 2



Cimarex

Caprock Area

Structure Map

Top Hueco

Chaves Co., NM



POSTED WELL DATA
 WELL DATA (NEC) - BK-1 (NEI, POROSITY) (LEC)
 RED BORE SPACING (NEI) (ANALYSIS) (LFC)
 WELL DATA (NEC) (ANALYSIS) (LFC)

WELL DATA (NEC)
 WELL DATA (NEC)
 WELL DATA (NEC)
 WELL DATA (NEC)

WELL DATA (NEC) - LURS A, SHALE (LEC)
 FATOPS - HUECO (WOLF) (AN) (LEC) (SS)

WELL SYMBOLS

- Dry Well
- Gas Well
- Injection Well
- New Symbol
- Old Well

By: LEC
 January 6, 2010

EXHIBIT **A**

North
A

ELEV. 4413
26037

MARSHALL & WINSTON INCORPORATED
COMP. DATE: 3/16/2009
MEDLIN 18 FEDERAL COM

TLSR 216 58
990 PNL 230 FWL

26037

CIMAREX ENERGY OF CO
FRANKLIN 18 FEE

TLSR 316 818
330 PNL 2470 TEL

ELEV. 4489
26024

CIMAREX ENERGY OF COLORADO
COMP. DATE: 9/19/2008
MIDWAY 17 FEDERAL

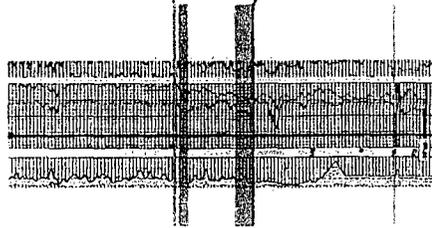
TLSR 631 617
1860 PNL 230 FWL

ELEV. 4413
26030

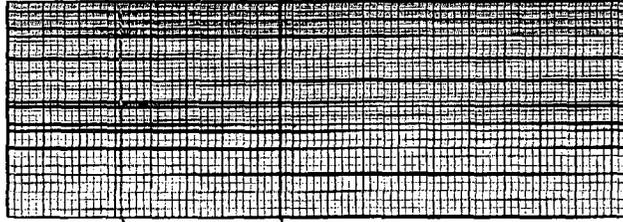
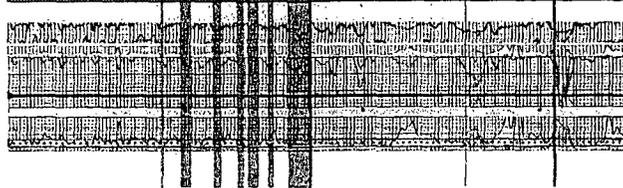
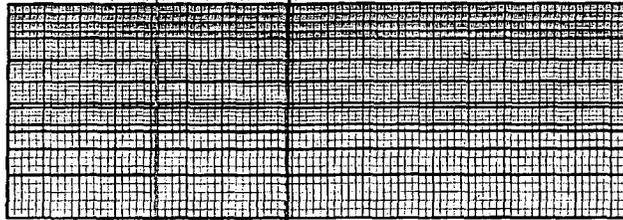
CIMAREX ENERGY OF CO
FRANKLIN 18 FEDERAL COM

TLSR 316 818
330 PNL 2470 TEL

South
A'



X_MKR (LEC)



BASE ANHYDRITE (LEC)

Stratigraphic Target
L. Abu Ray Interval

HUECO (WOLF CAMP) (LEC)

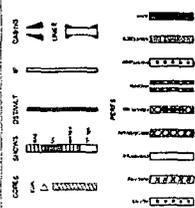
CIMAREX ENERGY

Caprock Area

Lower AbuWolfcamp

Struct X-Section

Chaves Co., NM



Franklin 18 Lease

By: Lee Callahan

January 2, 2010 4:13 PM

EXHIBIT **B**

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name Abo Wildcat
Property Code	Property Name HANCOCK "19" STATE	Well Number 3
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 4458'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	19	15 S	31 E		1980	NORTH	375	WEST	CHAVES

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	19	15 S	31 E		1980	NORTH	330	EAST	CHAVES

Dedicated Acrea 159.30	Joint or Infill	Consolidation Code P	Order No.
---------------------------	-----------------	-------------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.</p> <p><i>Zeno Farris</i> 07-23-08 Signature Date</p> <p>Zeno Farris Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>2008 Date Signature Professional Surveyor 7977</p> <p></p> <p>19450 Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>

EXHIBIT C