

October 11, 2011

HAND-DELIVERY

Ms. Jami Bailey, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

*See AMENDED
APPLICATION*

Case 14758

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**Re: Application of COG Operating LLC to Increase Well Density in the
Dodd Federal Unit, Eddy County, New Mexico.**

Dear Ms. Bailey:

Enclosed in triplicate is the Application of COG Operating LLC in the above-referenced case as well as a copy of the legal advertisement. Concho requests that this matter be placed on the Hearing Examiner Docket scheduled for November 10, 2011.

Sincerely,

Ocean Munds-Dry
Ocean Munds-Dry

Enclosures

cc: David Evans

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

**APPLICATION OF COG OPERATING LLC TO INCREASE WELL DENSITY IN THE
DODD FEDERAL UNIT, EDDY COUNTY, NEW MEXICO.**

CASE NO. 14758

APPLICATION

COG Operating LLC ("Concho"), through its undersigned attorneys, hereby makes application pursuant to Division Rule 19.15.15.11(C) NMAC for an order providing for an exception to the oil well density limits within the horizontal limits of the Dodd Federal Unit, Grayburg Jackson Seven Rivers-Queen-Grayburg-San Andres Pool and Grayburg Jackson Yeso Pool (or the proposed Dodd Glorieta-Yeso Pool), Eddy County, New Mexico and in support thereof, states as follows:

1. Concho is the designated operator of the Dodd Federal Unit which consists of the following acreage:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 10:	E/2, E/2 W/2
Section 11:	All
Section 14:	All
Section 15:	E/2
Section 22:	SE/4, SE/4 SW/4, E/2 NE/4, SW/4 NE/4

2. The Grayburg Jackson (Seven Rivers-Queen-Grayburg-San Andres) Pool was created by Division Order No. 850, dated January 1, 1950 and currently covers the following lands:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM

Section 31: S/2 S/2
Section 32: W/2
Section 33: S/2, NE/4

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM

Section 24: E/2
Section 25: NE/4
Section 35: All
Section 36: N/2, SW/4, W/2, SE/4 SE/4

TOWNSHIP 16 SOUTH, RANGE 32 EAST, NMPM

Section 19: W/2
Section 30: NE/4
Section 31: N/2

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM

Section 1: E/2

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 3: SW/4NW/4
Sections 4 & 5: All
Section 6: SE/4
Section 7: E/2
Section 8: All
Section 9: N/2, SW/4, NE/4 SE/4
Section 12: SE/4 SE/4
Section 13: All
Section 15: NW/4, E/2 SW/4
Section 17: E/2
Section 19: SE/4
Sections 20, 23-26: All
Section 27: N/2, SE/4, E/2 SW/4
Section 29: All
Section 31: S/2 SE/4

Section 32: All
Section 33: N/2, SE/4, N/2 SW/4
Section 34: All
Section 35: N/2, SE/4, N/2 & SE/4 W/4
Section 36: NW/4, N/2, SW/4 NE/4

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM

Section 7: SE/4
Section 8: S/2 SW/4, E/2
Section 9: S/2
Section 10: S/2
Section 11: W/2, W/2 E/2, E/2 SE/4
Section 12: NE/4
Sections 13 -28: All
Section 29: N/2
Sections 30, 33-36: All

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Sections 1-11: All
Sections 14 -23: All
Section 26: N/2, N/2 S/2
Section 27: N/2
Sections 28-30: All
Section 31: N/2
Section 32: N/2 N/2

3. The Grayburg Jackson Yeso Pool was created by Division Order No. R-12256, dated January 3, 2005 and is co-extensive with the horizontal boundaries of the Dodd Federal Unit and was vertically extended to include the Glorieta and Yeso/Paddock intervals. This pool was extended and renamed from the larger Grayburg Jackson Pool noted above.

4. In Case No. 14669, Concho applied to contract the Grayburg Jackson and Grayburg Jackson Yeso pools within the Dodd Federal Unit to vertically extend from the top of the Seven Rivers to the top of the Glorieta formation. Concho has also requested the creation of a

new pool which would extend from the top of the Glorieta formation to the top of the Tubb formation (proposed to be named the Dodd Glorieta Yeso Pool). That matter was heard on September 29, 2011 and is under advisement with the Division.

5. The Grayburg Jackson pools are governed by Division Rule 19.15.15.9 NMAC which provides that a 40-acre spacing unit may contain up to four wells.

6. Concho requests an exception to the Division well density rule to increase well density to allow up to 4 wells completed in the Paddock member and 4 wells in the Blinebry member of the Glorieta-Yeso formation.

7. Concho believes this spacing is necessary for incremental recovery.

8. Exhibit A to this application is a list of affected persons as defined by Division Rules. Concho has given notice to the listed parties in accordance with Division Rules.

9. Approval of this application will result in the production of hydrocarbons which otherwise will not be produced and will be in the best interest of conservation and the protection of correlative rights.

WHEREFORE, COG Operating LLC requests that this application be set for hearing before an Examiner of the Oil Conservation Division on November 10, 2011, that notice be given as required by law and the rules of the Division, and that the application be approved.

Respectfully submitted,

HOLLAND & HART, LLP

By: Ocean Munds-Dry
Ocean Munds-Dry
Post Office Box 2208

Santa Fe, New Mexico 87504
(505) 988-4421 Telephone
(505) 983-6043 Facsimile

ATTORNEYS FOR COG OPERATING LLC

EXHIBIT A
COG OPERATING LLC'S NOTICE LIST

THREE RIVERS OPERATING COMPANY LLC

Attn: Tim Kane, Land Manager

1122 S. Capital of Texas Hwy Suite 325

Austin ,TX 78746

CIMAREX ENERGY CO. OF COLORADO

Attn: Jeff Gotcher

600 N. Marienfeld St Suite 600

Midland ,TX 79701

CASE NO. 14758: Application of COG Operating LLC To Increase Well Density in the Dodd Federal Unit, Eddy County, New Mexico. Applicant seeks an order for an exception to the oil well density limits within the horizontal limits of the Dodd Federal Unit, Grayburg Jackson Seven Rivers-Queen-Grayburg-San Andres and the Grayburg Jackson Yeso Pool (or the proposed Dodd Glorieta-Yeso Pool). Specifically, Concho seeks authorization for up to 4 wells completed in the Paddock member of the Glorieta-Yeso formation and 4 wells in the Blinbry member of the Glorieta-Yeso formation. The pools are located approximately 12 miles east of Artesia, New Mexico and 17 miles west of Lovington, New Mexico.