# Case Number 4806

Application
Trascripts
Small Exhibits

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION STATE LAND OFFICE SANTA FE, NEW MEXICO Wednesday, August 23, 1972 at 9:00 A.M.

#### EXAMINER HEARING

#### IN THE MATTER OF:

Southeastern New Mexico nomenclature case calling for an order for the creation, extension, contraction and abolishment of certain pools in Lea, Chaves, Eddy and Roosevelt Counties, New Mexico.

Docket No. 19-72 Case No. 4806

BEFORE: RICHARD L. STAMETS, Examiner

TRANSCRIPT OF HEARING

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#### NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE , NEW MEXICO

Hearing Date AUGUST 23, 1972 TIME: 9 A.m.

Richard S. Marrie Montgomery, Federici Stat Santa Fe El Paro E.R. Manning Em. Fuerst El Paso Matural Gas Crown Central Petr. Lorp. Midland, Ters Earl & Speight M.B. Hunt Midland, Jey Texaso Inc., Milarney Tulsa. Ameraka Hers. ECf forther P.T. M. Grath Tarminalon 11.5.9.5. Cotoso to WHO CONTRACTOR Y C Companio marghen Oil Co 1666s Gal Garager New town on the compate Carlaite Jun Brack

Lowy L. Carl

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TIME: 9 A.M.

#### NEW MEXICO OIL CONSERVATION COMMISSION

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AUGUST 23, 1972

Hearing Date

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# NEW MEXICO OIL CONSERVATION COMMISSION

EX	AMINER	HEARING		
	SANTA	FE	, new	MEXICO

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# 1002-PHONE 243-6691.ALBUQUERQUE, NEW MEXICO 87103

#### PROCEEDINGS

MR. STAMETS: We will call case number 4806.

MR. HATCH: Case 4806, Southeastern New Mexico nomenclature case calling for an order for the creation, extension, contraction and abolishment of certain pools in Lea, Chaves, Eddy and Roosevelt Counties, New Mexico.

(Whereupon, James E. Kent was duly sworn.)

#### MR. JAMES E. KENT

having been first duly sworn according to law, upon his oath, testified as follows:

#### DIRECT EXAMINATION

BY MR. GEORGE HATCH:

- Q Would you state your name and position for the record.
- A James E. Kent, petroleum engineer, New Mexico Oil Conservation Commission.
- Q Are you prepared to make recommendation to the Examiner concerning the creation, extension, contraction and abolishment of certain pools in Lea, Chaves, Eddy and Roosevelt Counties?
- A Yes, sir, J am.
- Q Are your recommendations prepared in the form of an exhibit?
- A They are prepared in the form of an exhibit, Exhibit

  Number 1, paragraphs A through X.

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Would you refer to Exhibit 1 and to paragraphs A through X and point out any differences between it and the 3 docket that has been distributed? The only difference between Exhibit 1 and the docket is 5 an addition to paragraph G and that addition is in 6 Township 12 South, Range 33 East, the northeast quarter 7 of Section 16. 8 Do you recommend then that the pools in paragraphs A through X as shown on Exhibit 1 and on the docket that has been distributed and corrected in this hearing be created, extended, contracted and abolished as shown? Yes, sir, I do. Was Exhibit 1 prepared by you or some member of the Commission staff? A member of the Commission staff. 15 MR. HATCH: I would like to move the introduction of 16 Exhibit and that is all I have. 17 MR. STAMETS: Without objection Exhibit 1 will be 18 admitted into evidence. 19 Is there any other testimony in this case? 20 Case will be taken under advisement. 21 22

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	<b></b> 9. 9.	WITNESS  MR. JAMES E. KENT		PAGE
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STATE OF NEW MEXICO ) ss. COUNTY OF BERNALILLO

I, MARCIA J. HUGHES, Court Reporter, do hereby certify that the above and foregoing pages are a true and correct transcript of the proceedings had before the New Mexico Oil Conservation Commission on Wednesday, August 23, 1972.

m.g. Hughes

# BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 4806 Order No. R-4377

THE APPLICATION OF THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING, ABOLISHING, CONTRACTING, AND EXTENDING VERTICAL AND HORIZONTAL LIMITS OF CERTAIN POOLS IN CHAVES, EDDY, LEA, AND ROOSEVELT COUNTIES, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on August 23, 1972, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 30th day of August, 1972, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

#### FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Cisco formation, said pool to bear the designation of Boyd-Cisco Gas Pool. Said Boyd-Cisco Gas Pool was discovered by the David Fasken Arco "9" Morrison Well No. 1, located in Unit B of Section 9, Township 19 South, Range 25 East, NMPM. It was completed in the Cisco formation on March 30, 1972. The top of the perforations is at 7,138 feet.
- (3) That there is need for the creation of a new oil pool in Chaves County, New Mexico, for the production of oil from the Queen formation, said pool to bear the designation of South Lucky Lake-Queen Pool. Said South Lucky Lake-Queen Pool was discovered by the Dalport Oil Corporation Todhunter-Federal Well No. 1, located in Unit F of Section 22, Township 15 South, Range 29 East, NMPM. It was completed in the Queen formation on May 22, 1972. The top of the perforations is at 1,777 feet.

-2-CASE NO. 4806 Order No. R-4377

- (4) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Devonian formation, said pool to bear the designation of East Ranger Lake-Devonian Gas Pool. Said East Ranger Lake-Devonian Gas Pool was discovered by the Union Texas Petroleum Corporation Shell State Com Well No. 1, located in Unit E of Section 6, Township 13 South, Range 35 East, NMPM. It was completed in the Devonian formation on May 20, 1972. The top of the perforations is at 13,156 feet.
- (5) That the proposed abolishment of the Penrose Skelly-Grayburg Pool in Lea County, New Mexico, should be dismissed pending further study.
- (6) That the proposed extension of the vertical and horizontal limits of the Langlie-Mattix Pool in Lea County, New Mexico, should be dismissed pending further study.
- (7) That there is need for the contraction of the Bagley-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of certain acreage in order to extend said deleted acreage to the North Bagley-Pennsylvanian Pool for nomenclature correction.
- (8) That there is need for the contraction of the Bough-Permo Pennsylvanian Pool in Lea County, New Mexico, by the deletion of certain acreage which is already included in the Vada-Pennsylvanian Pool.
- (9) That there is need for certain extensions to the Sulimar-Queen Pool and the Vest Ranch-Queen Pool, both in Chaves County, New Mexico, the North Benson Queen-Grayburg Pool, the South Carlsbad-Atoka Gas Pool, the South Carlsbad-Morrow Gas Pool, the Dos Hermanos-Morrow Gas Pool, the South Empire-Morrow Gas Pool, the Golden Lane-Strawn Gas Pool, the Grayburg-Jackson Pool, the Sam Dunes-Cherry Canyon Pool, and the Washington Ranch-Morrow Gas Pool, all in Eddy County, New Mexico, the North Bagley-Pennsylvanian Pool, the Fowler-Upper Yeso Pool, the Hardy-Blinebry Pool, and the McDonald-Pennsylvanian Pool, all in Lea County, New Mexico, the Bluitt-San Andres Associated Pool and the Vada-Pennsylvanian Pool, both in Roosevelt County, New Mexico.

#### IT IS THEREFORE ORDERED:

(a) That a new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production, is hereby created and designated as the Boyd-Cisco Gas Pool, consisting of the following described area:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM Section 9: N/2

CASE NO. 4806 Order No. R-4377

(b) That a new pool in Chaves County, New Mexico, classified as an oil pool for Queen production, is hereby created and designated as the South Lucky Lake-Queen Pool, consisting of the following described area:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM Section 22: SE/4 NW/4

(c) That a new pool in Lea County, New Mexico, classified as a gas pool for Devonian production, is hereby created and designated as the East Ranger Lake-Devonian Gas Pool, consisting of the following described area:

TOWNSHIP 13 SOUTH, RANGE 35 EAST, NMPM Section 6: W/2

- (d) That the proposed abolishment of the Penrose Skelly-Grayburg Pool in Lea County, New Mexico, is hereby dismissed.
- (e) That the proposed extension of the vertical limits of the Langlie-Mattix Pool to include the Grayburg formation and the proposed extension of the horizontal limits of the Langlie-Mattix Pool, Lea County, New Mexico, to include the acreage from the Penrose Skelly-Grayburg Pool is hereby dismissed.
- (f) That the Bagley-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM Section 35: N/2 NW/4

(g) That the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM Section 35: N/2 NW/4

TOWNSHIP 12 SOUTH, RANGE 33 EAST, HMPM Section 16: NE/4

(h) That the Bough-Permo Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPH Section 17: NW/4

CASE NO. 4806 Order No. R-4377

(i) That the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

# TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM Section 26: S/2 SW/4

(j) That the Bluitt-San Andres Associated Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

# TCWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM Section 8: NW/4

(k) That the South Carlsbad-Atoka Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM Section 7: W/2 Section 18: N/2

(1) That the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM Section 7: S/2 Section 18: N/2

(m) That the Dos Hermanos-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 30 EAST, NHPM Section 22: All Section 27: All

(n) That the South Empire-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM Section 6: S/2

(o) That the Fowler-Upper Yeso Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM Section 10: SE/4 Section 11: SW/4

CASE NO. 4806 Order No. R-4377

(p) That the Golden Lane-Strawn Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM Section 4: Lots 9, 10, 11, 12, 13, 14, 15 and 16

(q) That the Grayburg-Jackson Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM Section 9: S/2

(r) That the Hardy-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM Section 2: SW/4

(s) That the McDonald-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 13 SOUTH, PANGE 36 EAST, NMPM Section 33: SE/4

(t) That the Sand Dunes-Cherry Canyon Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM Section 26: NW/4 NF/4

(u) That the Sulimar-Queen Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM Section 27: SE/4 SE/4 Section 34: NE/4 NE/4

(v) That the Vada-Pennsylvanian Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPH Section 34: SE/4

-6-CASE NO. 4806 Order No. R-4377

(w) That the Vest Ranch-Queen Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 14 SOUTH, RANGE 30 EAST, NMPM Section 21: SE/4

(x) That the Washington Ranch-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 25 SOUTH, RANGE 24 EAST, NMPM Section 27: All Section 35: W/2

> TOWNSHIP 26 SOUTH, RANGE 24 EAST, NMPM Section 3: All Section 4: E/2

#### IT IS FURTHER ORDERED:

- (1) That, pursuant to Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.
- (2) That the effective date of this order and all creations, abolishments, contractions, and extensions of vertical and horizontal limits included herein shall be September 1, 1972.

DONE at Santa Fe, New Mexico, on the day and year hereinabove

STATE OF NEW MEXICO QIL-CONSERVATION COMMISSION

BRUCE KING, Chairman

ALEX J. ARMIJO, Member
A. L. PORTER, Jr., Member & Secretary

#### DOCKET: EXAMINER HEARING-- WEDNESDAY - AUGUST 23, 1972

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

#### CASE 4775: (Continued from the July 26, 1972 Examiner Hearing)

Application of Continental Oil Company for amendment of special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks amendment of the special rules and regulations governing the Blinebry Pool, Lea County, New Mexico, to provide for annual bottom-hole pressure, gas-oil ratio, and gas-liquid tests in the pool. Applicant further seeks the designation of oil areas and gas areas in the pool with allowables within each area equalized on a per-acre basis and total withdrawals from the gas area to be volumetrically equivalent to the total withdrawals from the oil area.

Applicant further seeks to extend the vertical limits of the Blinebry Pool down to the top of the Tubb Pool.

Also to be considered by the Commission on its own motion will be amendment of the special rules and regulations to require that intermediate— or low-pressure gas be charged against a well's allowable; elimination of the requirement to conduct bottom-hole pressure, gasoil ratio, and gas-liquid tests; and to require that all gas production be reported on Form C-111.

#### CASE 4779: (Continued from the July 26, 1972, Examiner Hearing)

Application of Merrion & Bayless for a non-standard proration unit, Sam Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the SE/4 of Section 35, Township 30 North, Range 12 West, within one mile of Flora Vista-Mesaverde Pool, San Juan County, New Mexico, to be dedicated to its Carnahan Well No. 1 located in Unit P of said Section 35.

- CASE 4798: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider revision of Rule 701 E of the Commission Rules and Regulations to provide for unrestricted allowables for waterflood projects and to eliminate the necessity of response for administrative approval of additional injection wells.
- CASE 4799: In the matter of the hearing called by the Oil Conservation Commission on its cwn motion to amend Rule 306 of the Commission Rules and Regulations to incorporate therein the provisions of Order No. R-4070 which regulate the flaring or venting of casinghead gas.

CASE 4807: In the matter of the hearing called by the Oil Conservation Commission on the own motion for the amendment of Rule 104 C. I of the Coumission Rules and Regulations to permit the drilling of development oil wells as close as 330 feet to another well on the same smit drilling to or capable of producing from the same pool.

CASE 4800: Application of Mobil Oil Corporation for waterflood expansion and capacity allowable, Lea County, New Mexico. Applicant, in the above-styled cause, seeks to expand its Bridges State Waterflood Project, Vacuum Grayburg-San Andres Pool, Lea County, New Mexico, by the addition of its Bridges State Wells Nos. 12 and 174 located, respectively, in Unit P of Section 26 and Unit J of Section 15, Township 17 South, Range 34 East.

> Applicant further seeks the assignment of capacity allowable to said Well No. 12.

CASE 4801: Application of The Petroleum Corporation for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Parkway West Unit Area comprising 3840 acres, more or less, of State lands in Sections 20, 21, 22, 27, 28, and 29 of Township 19 South, Range 29 East, Eddy County, New Mexico.

CASE 4802:

Application of Crown Central Petroleum Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced sait water into the Grayburg formation in the open-hole interval from 4011 feet to 4083 feet in its Fred Turner Well No. 2 located in Unit O of Section 6, Township 20 South, Range 38 East, Skaggs (Grayburg) Pool, Lea County, New Mexico.

CASE 4803: Application of Yates Petroleum Corporation to directionally drill and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to re-enter a dry hole having an unorthodox surface location 1980 feat from the North line and 660 feet from the East line of Section 25, Township 18 South, Range 25 East, Eddy County, New Maxico, and to directionally drill in such a manner as to bottom the well in the West Atoka-Morrow Gas Pool at an unorthodox bottom hole location 500 feet from the North line and 600 feet from the East line of said Section 25. The N/2 of said Section 25 to be dedicated to the well.

CASE 4804:

Application of Dugan Production Corporation for downhole commingling and a non-stendard proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks as an exception to Rule 303 of the Commission Rules and Regulations, authority to commingle oil production from the Amarillo-Gallup Oil Pool and gas from the

Examiner Hearing - August 23, 1972

(Case 4804 continued)

Basin-Dakota Pool in the wellbore of its Fullerton Well No. 1 located 1850 feet from the North and West lines of Section 34, Township 28 North, Range 13 West, San Juan County, New Mexico. Applicant further seeks approval for a non-standard 160-acre gas proration unit for the Basin-Dakota Pool comprising the NW/4 of said Section 34 to be dedicated to the subject well.

CASE 4805:

Application of W. C. Montgomery for a non-standard proration unit, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for an 80-acre non-standard oil procation unit comprising the NE/4 NE/4 of Section 20 and the NW/4 NW/4 of Section 21, Township 8 South, Range 38 East, Bluitt-San Andres Associated Pool, Roosevelt County, New Mexico, to be dedicated to a well to be drilled in the NE/4 NE/4 of said Section 20.

CASE 4806:

Southeastern New Mexico nomenclature case calling for an order for the creation, extension, contraction and abolishment of certain pools in Lea, Chaves, Eddy and Roosevelt Counties, New Mexico.

(a) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production and designated as the Boyd-Cisco Gas Pool. The discovery well is the David Fasken Arco "9" Morrison No. 1 located in Unit B of Section 9, Township 19 South, Range 25 East, NMPM. Said pool would comprise:

### TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM SECTION 9: N/2

(b) Create a new pool in Chaves County, New Mexico, classified as an oil pool for Queen production and designated as the South Lucky Lake-Queen Pool. The discovery well is the Dalport Oil Corporation Todhunter Federal No. 1 located in Unit F of Section 22, Township 15 South, Range 29 East, NATM. Said pool would comprise:

# TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM SECTION 22: SE/4 NW/4

(c) Create a new pool in Lea County, New Mexico, classified as a gas pool for Devonian production and designated as the East Ranger Lake-Devonian Gas Pool. The discovery well is the Union Texas Petroleum Corporation Shell State Com No. 1 located in Unit E of Section 6, Township 13 South, Range 35 East, NMPM. Said pool would comprise:

TOWNSHIP 13 SOUTH, RANGE 35 EAST, NMPM SECTION 6: W/2

(d) Abolish the Penrose Skelly-Grayburg Pool in Lea County, New Mexico, described as:

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TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
SECTION 13: E/2
SECTION 24: E/2
SECTION 25: NE/4 and E/2 SE/4
TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 4: Lots 3, 4, 5, 6, 11, 12
            13, 14 and SW/4
SECTION 7: S/2
SECTION 8: S/2 and NE/4
SECTION 9: W/2
SECTION 16: S/2 and NW/4
SECTION 17: All
SECTION 18: All
TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 19: All
SECTION 20: All
SECTION 21: All
SECTION 27: All
SECTION 28: All
SECTION 29: All
SECTION 30: All
SECTION 31: All
SECTION 32: All
SECTION 33: All
SECTION 34: A11
SECTION 35: All
TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM SECTION 2: All SECTION 3: All
SECTION 4: All
SECTION 5: All
SECTION 6: E/2
SECTION 7: NE/4
SECTION 8: All
SECTION 9: All
SECTION 10: All
SECTION 11: A11
SECTION 14: All
SECTION 15: All
SECTION 16: All
SECTION 17: E'2
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(Case 4806 continued)

(e) Extend the vertical limits of the Langlie-Mattix Pool in Lea County, New Mexico, to include the Grayburg formation. Also, extend said Langlie Mattix Pool to include therein:

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TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
SECTION 13: E/2
SECTION 24: E/2
SECTION 25: NE/4 and E/2 SE/4
TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM SECTION 4: Lots 3, 4, 5, 6, 11, 12,
              13, 14 and SW/4
SECTION 7:
              S/2
             S/2 and NE/4
SECTION 8:
SECTION 9: W/2
SECTION 16: S/2 and NW/4
SECTION 17: All
SECTION 18: All
SECTION 19: All
SECTION 20: All SECTION 21: All
TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 27: All
SECTION 28: All
SECTION 29: All
SECTION 30: All
SECTION 31: All
SECTION 32: A11
SECTION 33: All
SECTION 34: A11
SECTION 35: All
TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 2: All
SECTION 3: All
SECTION 4: All
SECTION 5: All
SECTION 6: E/2
SECTION 7: NE/4
SECTION 8: All
SECTION 9: ALL
SECTION 10: All
SECTION 11: A11
SECTION 14: A11
SECTION 15: All
SECTION 16: All
SECTION 17: E/2
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(f) Contract the Baglay-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 35: N/2 NW/4

(g) Extend the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 35: N/2 NW/4

(h) Contract the Bough-Permo Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NOPPM SECTION 17: NW/4

(1) Extend the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM SECTION 26: S/2 SW/4

(j) Extend the Bluitt-San Andres Associated Pool in Rossevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM SECTION 8: NW/4

(k) Extend the South Carlsbad-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 7: W/2 SECTION 18: N/2

(1) Extend the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMFM SECTION 7: S/2 SECTION 18: N/2

(m) Extend the Dos Hermanos-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM SECTION 22: A11 SECTION 27: A11

Examiner Hearing - August 23, 1972

Docket NO. 19-72

( v continued from page 7 - Case 4806)

# TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM SECTION 34: SE/4

(w) Extend the Vest Ranch-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 30 EAST, NMPM SECTION 21: SE/4

(x) Extend the Washington Ranch-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 25 SOUTH, RANGE 24 EAST, NMFM SECTION 27: All SECTION 35: W/2

TOWNSHIP 26 SOUTH, RANGE 24 EAST, NMPM SECTION 3: All SECTION 4: E/2

#### CASE 4786: (Continued from August 9, 1972, Examiner Hearing).

Application of Highland Production Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seaks authority to dispose of produced salt water into the Dolaware formation in the open-hole interval from 4378 feet to 4418 feet in its Russell Federal Well No. 6 located in Unit K of Section 20, Township 26 South, Range 32 East, East Mason-Delaware Pool, Lea County, New Mexico.

Examiner Hearing - August 23, 1972

(n) Extend the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM SECTION 6: S/2

(o) Extend the Fowler-Upper Yeso Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM SECTION 10: SE/4 SECTION 11: SW/4

(p) Extend the Golden Lane-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMFM SECTION 4: Lot 9, 10, 11, 12, 13, 14, 15 and 16

(q) Extend the Grayburg-Jackson Pool in Eddy County New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM SECTION 9: S/2

(r) Extend the Hardy-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM SECTION 2: SW/4

(s) Extend the McDonald-Pennysivanian Pool in Lea County, nNew Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM SECTION 33: SE/4

(t) Extend the Sand Dumes-Cherry Canyon Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM SECTION 26: NW/4 NE/4

(u) Extend the Sulimar-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM SECTION 27: SE/4 SE/4 SECTION 34: NE/4 NE/4

(v) Extend the Vada-Pennsylvanian Pool in Roosevelt County, New Mexico, to include therein:

NEW POOLS

a) It is recommended that a new gas pool be created and designated
as theROYD_CISCO_GAS Pool.
Vertical limits to be the <u>Cisco</u> formation and the
horizontal limits should be as follows: As shown in Paragraph (a), Exhibit I
Discovery well was David Fasken - Arco "9" Morrison #1
located in Unit B Section 9 Township 19 Range 25 and was completed on
March 30, 1972 . Top of perforations is at 7138 feet.
b) It is recommended that a new oil pool be created and designated
as the SOUTH LUCKY LAKE-QUEEN Pool.
Vertical limits to be the formation and the
horizontal limits should be as follows: As shown in Paragraph (b), Exhibit I
Discovery well was Dalport Oil Corporation - Todhunter-Federal #1
located in Unit F Section 22 Township 15 Range 29 and was completed on
May 22, 1972 . Top of perforations is at 1777 feet.
$ ho_c$ ) It is recommended that a new $ ho_{ m gas}$ pool be created and designated
as the <u>EAST RANGER LAKE-DEVONIAN GAS</u> Pool.
Vertical limits to be the <u>Devonian</u> formation and the
horizontal limits should be as follows: As shown in Paragraph (e), Exhibit I
Discovery well was Union Texas Petroleum Corporation - Shell State Com #1
located in Unit $\Gamma$ Section $6$ Township $13$ Range $35$ and was completed on
hay 20, 1972 . Top of perforations is at 13,156 feet.

County Eddy Pool Boyd-Cisco Gas Tounship Range - 2-· 5 ---- 3---6-- 4 --. 7 -8 -10 -- 11 -- 12 -14 --18 - 17 -- 16 -- 15 --13-- 20 --21--19 - 22 ---23-24--30 -- 29 -- 28 -27-- 26 -- 25 -- 32 -- 33 -- 34 -- 35 -36 -- 31-Purpose: One completed gas well capable of producing. Discovery well: David Fasken Arco "9" Morrison #1 located in Unit B Sec. 9-T-19S R-25E - completed 3-30-72 through Cisco perforations from 7138-7200. Proposed pool boundry outlined in green. Sec. 9: N/2

OF A NEW OIL POOL

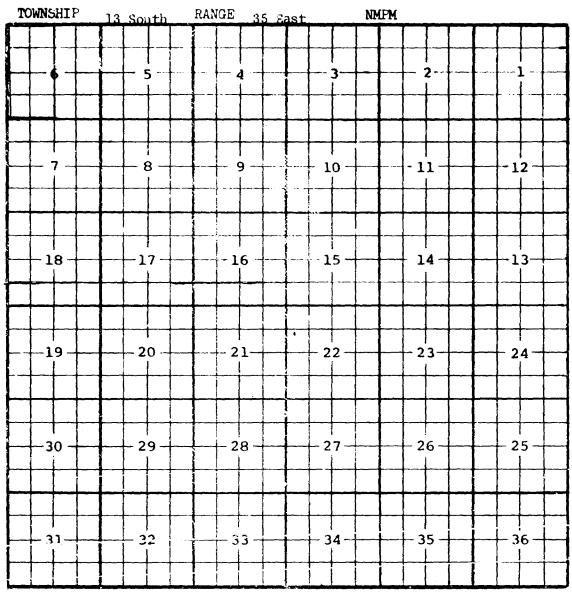
	Pool	South Lucky	Lake - Oveen	
	Range	29E	NMPM	
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31 32	33	34	35 - 36 -	-
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Purpose: One completed oil well capable of producing.

Discovery well: Dalport Oil Corp., Todhunter-Federal #1
located in Unit F - Sec. 22 T-15S R-29E completed 5-22-72
through Queen perforations 1777-83.
Proposed pool boundry outlined in green.
Sec. 22: SE/4 NW/4

CASE 4806: (c) CREATION OF A NEW GAS POOL

COUNTY LEA POOL EAST RANGER LAKE-DEVONIAN GAS



PURPOSE: One completed gas well capable of producing.

UNION TEXAS PETROLEUM CORPORATION - Shell State Com #1 in Unit E of Section 6-13-35. Completed in Devonian on May 20, 1972. Top of Perforations 13,156'.

Proposed pool boundary colored in red. SECTION 6: W/2

CASE 4806: (d) ABOLISHMENT OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA	POOL	PENROSE SKELL	Y-GRAYBURG	
TOWNSHIP 21 South	RANGE	36 East	NMPM	
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31 - 32 -	33	34-	35 +	36
PURPOSE: Abolish th				
			e to well compl	
				glie-Mattix Pool
Proposed pool abolis			SECTION 13: E	
-				E/4 and E/2 SE/4
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CASE 4806: (d) ABOLISHMENT OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA	COL PENROSE SKELLY-GRAYBURG	
TOWNSHIP 21 South	ANGE 37 East NMPM	
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30 29	28 27 26	25
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		+ + -
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31 32	33 34 34 35	36
PURPOSE: As stated on	receding page, paragraph (d), Exhibit	Ι.

PURPOSE: As stated on preceding page, paragraph (d), Exhibit I.
Proposed pool abolishment colored in blue.
SECTION 4: Lots 3, 4, 5, 6, 11, 12, 13, 14 and SW/4
SECTION 7: S/2 SECTION 29: All
SECTION 8: S/2 and NE/4 SECTION 30: 11
SECTION 9: W/2 SECTION 31: All
SECTION 16: S/2 and NU/4 SECTION 32: All
SECTION 17: All SECTION 33: All
SECTION 18: ALL SECTION 34: ALL
SECTION 19: All SECTION 35: All
SECTION 20: All
SECTION 21: All
SECTION 27: All
SECTION 28: All

CASE 4806: (d) ABOLISHMENT OF AN EXISTING OIL POOL (Continued)

COUNTY LEA		SKELLY-GRAYBURG	ernaen)
TOWNSHIP 22 South	RANGE 37 Eas		
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30	28	27 - 26 -	25
31 32 -	33	34 35	36
31 32	33	34 35	30
PURPOSE: As stated			ibit I.
Proposed pool abolis			
SECTION 2: All			
SECTION 3: All			
SECTION 5: All			
SECTION 6: E/2			
SECTION 7: NE/4			
SECTION 8: All			
SECTION 9: All			
SECTION 11: All			

CASE 4806: (e) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS OF AN EXISTING OIL POOL
COUNTY LEA POOL LANGLIE MATTIX

(Continued on next page)

TOWNSHIP 2	1 0 4		East	NMPM	
TOWNSHIT 2	r south	ICANODE 30	East	MHEM	
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10	17	16			,,,,
18	17	16	15 -	14	13
19	20	21-	22-	23	
	20	21	22	23	24
30	29	28	27-	26	25
30				20	
31	32	33.	34-	35	36
1111					
PURPOSE: To	take in a	bolished ac	reage, vert	ically and hor	izontally, of
Pe-	nrose Skel	ly-Grayburg	Pool.		
Pool boundar	y colored	in red.			
Proposed poo	l extensio	ns colored	in green,	SECTION 13:	$\varepsilon/2$
				SECTION 24:	E/2
				SECTION 25:	NE/4 and $E/2$ SE
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CASE 4806: (e) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS OF AN EXISTING OIL POOL
COUNTY LEA POOL NAMELY WATERLY (Continued on next page)

COUNTY LEA		POOL	LANGLIE MA	TTIX	(Continued on		
TOWNSHIP	21 South	4 3 RANGE	37 Fast	NMPM			
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31	32	3	3	35	36		
	1 1						

PHRPOSE: As stated on preceding page, paragraph (e), Exhibit I. Pool boundary colored in red. Proposed pool extensions colored in green. SECTION 4: Lots 3, 4, 5, 6, 11, 12, 13, 14 8 SW/4 SECTION 7: S/2 SECTION 23: All SECTION 8: S/2 and NE/4 SECTION 29: All SECTION 9: W/2 SECTION 30; All SECTION 16: S/2 and NW/4 SECTION 31: All SECTION 17: All SECTION 32: All SECTION 18: All SECTION 33: All SECTION 19: All SECTION 34: All SECTION 35: All SECTION 20: All SECTION 21: All SECTION 27: All

CASE 4806: (e) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS OF AN EXISTING OIL POOL
COUNTY LEA POOL LANGLIE MATTIX (Continued)

TOWNSHIP	22 South	RANGE	37	East		NMPM					
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PURPOSE:	As stated on	precedi	ng pa	ge, pa	ragr	aph (	e,\	Exhil	<u> it</u>	I	
Pool bound	ary colored	in red.									
Proposed p	<u>ool extensio</u>	ns color	ed_in	green							
SECTION 2:	All		3	ECTION	[15:	411					
SECTION 3:	All		8	ECTION	16:	all					
SECTION 4:	A11		3	ECTION	17:	E/2					
SECTION 5:	All										
SECTION 6:	E/2										
SECTION 7:	NE/4	name and the second of the second									
SECTION 8:	<u> </u>										
	A11										
•	: All										
SECTION 11											
SECTION 14											

CASE 4806: (f) DELETION OF AN EXISTING OIL POOL

COUNTY	LEA	POOL BAGLET	y-pennsylvan	NIAN	
TOWNSHIP	11 South	RANGE 33 Eas	st NM	IP <b>M</b>	
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7	8	9	10	-11	12
18	17	-16	15	14	13
19-	20	21	22	23	24
30 -	29	28	27	26	25
31	32	33	34	35	36
		Bagley-Pennsy be extended to in red.			
Proposed	pool deletion	n colored in bl	ue. SECTIO	N 35: N/2 N	i/4

CASE 4806: (g) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA	1	POOL NORT	BAGLEY-P	<u>ENNSYLVANIAN</u>	
TOWNSHIP	11 South	RANGE 3	B East	NMPM	
6	5	1	3		
			1		
	8	9	10-		12
18	17-	16	15-	<del>                                     </del>	13
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19	20	21	22-	+++ 2/3 +	24
			1		
30	29	28	27-	26	25
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	32	33	34-	35	36
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rations 940					
- Proposed po	ol extension	i colored in	i green	otal ELUN DO: Wy	/2 NW/4
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CASE 4806: (g) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY			POOL									
TOWNSHIP	12 S	outh	RANGE	33	East		NMPM					
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PURPOSE:	As st	ated on	precedi	ing pa	ge, pa	iragi	aph (	(), E	xhib	it I.	<del></del> -	
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CASE 4806: (h) DELETION OF AN EXISTING OIL POOL

COUNTY	LEA	POOL			
TOWNSHIP	0.043		TOOGH-PERMO	PENNSYLVANIAN	
	9 South	RANGE	36 East	NMPM	
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PURPOSE: Co	ntract the B	ough-Per	mo Poppara	nian Pool by deleting	
ac:	reage which	is alrea	dv included	nian Pool by deleting in the Vada-Pennsylvania	
Poc	ol.		-y knerunen	in the Vada-Pennsylvania	<u> 3n</u>
Pool boundary o	clored in re	od.			
Proposed pool d	eletion col-	2.1.	The same of the sa		
	SECTION COTO	red in l	olue. SECTIO	N 17: NW/4	_
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COUNTY	Eddy	POOL	Mort	h Benson	Queen-Gra	yburq
TOWNSHIP	18 <b>s</b>	RANGE	_30E_		NMPM	
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Purpose:	One compl	eted c	oil w∈	ll capab	le of prod	ucing
Operator				Lease	# & Ut.	S-T-R
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5-1-72	Queen			an ya mana ata angan kananan ata angan a		
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Pool bound	dry outlir	ned in	red.	t come as consistent to an account of specimen frances of a	and the state of t	
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Proposed e	extension	outlir	ned in	green.	and the same of the same of the	
	Sec. 26:	S/2 SW	1/4	and the second s	and the second s	
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POOL BLUITT-SAN ANDRES ASSOCIATED

CASE 4806: (j) EXTENSION OF AN EXISTING OIL POOL

COUNTY ROOSEVELT

YOWNSHIP RANGE NMPM 10 --11--12 -18 - 15 14 -13-- 21-- 22 -23-- 24 -- 28 -- 27 -26-25 --30 29

PURPOSE: One completed oil well capable of producing.
TED WEINER OIL PROPERTIES & CENTURY PETROLEUM, LTD Ainsworth Federal
#1 in Unit E of Section 8-8-38. Completed in San Andres on May 27, 1972
Top of Perforations 4748'.
Pool boundary colored in red.
Proposed pool extension colored in green. SECTION 8: NW/4

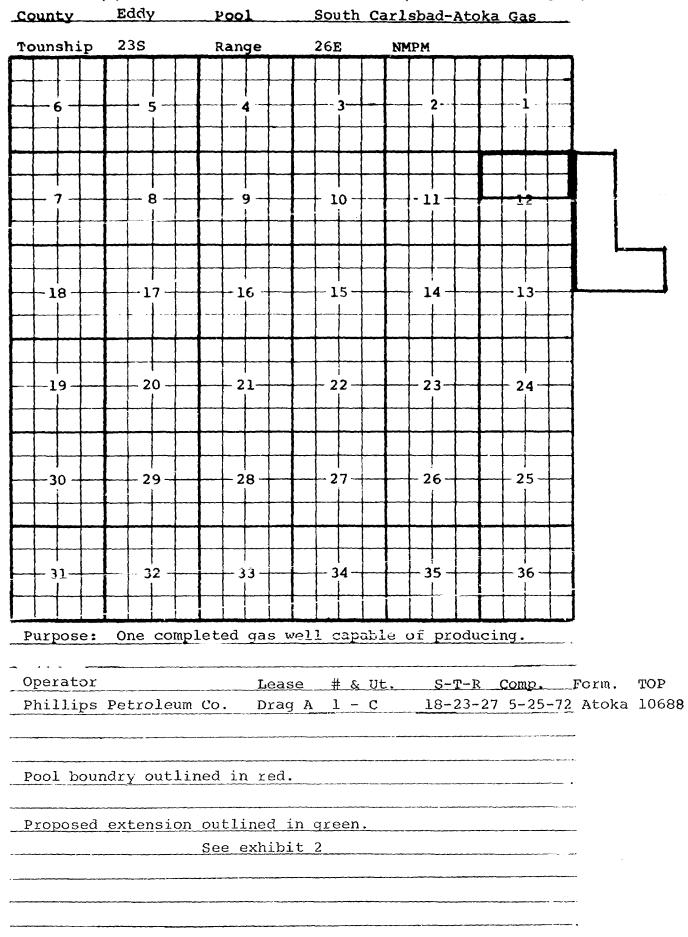
- 34 -

- 33 -

- 35

36

TOP 1 1.0688 CASE 4806: (k) EXTENSION OF AN EXISTING GAS POOL (Continued on next page)



CASE 4806: (k) EXTENSION OF AN EXISTING GAS POOL (Continued)

				lsbad-Atoka	
Tounship	238	Range	27E	NMPM	
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Purpose:	AS Stated	on rage of	te of citts	exiitoic	
Proposed e	extension o	utlined in	n green		
9	Sec. 7: W/	2			•
	Sec.18: N/				

CASE 4806: (1) EXTENSION OF AN EXISTING GAS POOL

County	Eddy	Pool South Carlsbad-Morrow Gas				ddy <u>Pool</u> South Carlsbad-Morro		3as
Tounship	23S	Range	27 <b>B</b>	NMPM				
6	5	4	3	2.				
		4						
	8	9	10	- 11	12			
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				1 1 1 1				
18	17	16	15	14	13			
19	20	21	22	23	24			
					24			
30	29	28	27	26	25			
31-	32	- 33	34	35	36			
Purpose:	One comple	ted Gas we	ll capabl	e of produc	ing.			

Operator	Lease	# & Ut.	S-T-R	Comp.	Form.	TOP
Phillips Petroleum Co.	Drag A	1 - C	18-23-27	7 5-21-	72 Morto	w 11550
	and the second s					
Pool boundry outlined in	red					
Proposed extension outlin	ed in gr	een				
Sec. 7: S/2					-	
Sec. 18: N/2						

TOP

CASE 4806: (m) EXTENSION OF AN EXISTING GAS FOOL

County		Pool	Dos Herman	nos - Morro	w Gas
Tounship	20S	Range	30E	NMPM	
	5	4	3-1-	2-	
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7 +	8	9 +	10	11	12
			1 -		
18	17	16	15	14	13
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	20		22	23	24
30	29	28	27	26	25
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21	72		24	25	26
	32	33	34	35	36
ause: Or	e complete	d Gas well	capable of	f producing	
)naratar	· · · · · · · · · · · · · · · · · · ·				
Operator Elwyn C.	Lea Hale Fed			Comp. For 30 5-19-72	Morrow 118
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Pool bour	dry outlin	ed in red.	gagan maganyaka ordan organiza gan magangan bahasa oray saraha	- Managarania alika Managarania di Managarania	A .
roposed	extension	outlined i	n green.		
	Sec. 22:	all			and the second section of the s
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CASE 4806: (n) EXTENSION OF AN EXISTING GAS POOL

County	Eddy	Pool	South Emp	ire-Morrow (	Jas
Tounship	185	Range	29 <b>E</b>	NMPM	
	5	4		2	1-1-1
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7 +-	8 +-	9 -	10	-11	12
18	17	16	15	14	13
	╂┼┼┼				<del></del>
					<del>1</del>
19	20	21-	22	23	24
30	29	28	27	26	25
					+
					+
31	32	33 -	34	35	36
Purpose:	One comple	eted gas	well capab	ole of produ	cing
Operator		Lease		# & Ut.	S.T.R.
Operator Midwest O	il Corp	···	re Deep Uni		6-18-29
		<b>D</b> • .3p.a.	2000 011		
Comp.	Form.	TOP			
6-8-72	Morrow	1087	4		**
D = 0 1 1	J	. 3 . 5	a		
LOOT DOM	dry outlin	ea in re	<u>a</u>	<del></del>	
Proposed	extension (	outlined	in green		
	Sec. 6: S	/2			

CASE 4806: (o) EXTENSION OF AN EXISTING OIL POOL

TOWNSHIP	24 South	RANGE	37 Ea	ist	NMPM		
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18	17	-1-1	6		<b> </b>	14	13
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19	20	2	1	22-		- 2 <del>'3   -</del>	24
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-+ 31-+	32 +	3	3 + +	34-	<del>                                     </del>	- 35	36
	<b></b>				<del>                                     </del>		<del></del>
							<u> </u>
	One complete						
4cculloch	OIL CORPORAT	rion – H	air #1	<u>in Unit</u>	H of S	<u>ection l</u>	1-24-37.
pleted in	Upper Yeso	on May 2	3 <b>, 1</b> 972	. Top o	f Perf	orations	5605'.
Pool bound	ary colored	in red.					
Proposed o	ool extensio	ons colo	red in	green.	SECTIO	N 10: S	E/4
							W/4
					- Charles - St. Charles		
				· ·			
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CASE 4806: (p) EXTENSION OF AN EXISTING GAS POOL

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1-1-1-1						
19	20 -	21-		- 22		24
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	-+-+-					
+					<del>-   -   -</del>	
+						
- 31-	32 -	33		- 34		36
Purpose:	One c	ompleted	Gas w	ell cap	able of	producing
	**************************************				·	
Operator		Lease		# 4	& Ut.	S.T.R.
V. H. We	stbrook	Cowde	n Fede	ral 1	- K	4-21-29
Comp.	Fc	rm.	TOP			
4-26-72	St	rawn	11226			
Doo 1 1- 5	ndu.	+1;~~=	 n			ganta ayan kaga antari in salah
FOOT DOD	nary of	tlined i	n rea			
Proposed	extens	ion outl	ined i	n green		· · · · · · · · · · · · · · · · · · ·
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CATCASION OF AN EXTORE
COUNTY Eddy
POOT
17s
6 NMPM
5-1-1
18
16 15
14 13 13
19
21 - 22
23 + 24
30
28
26
31
1   32
33 - 34 - 34
Purpose: 4 Complete
Purpose: 1 Completed oil wells capable of producing  Anadarko Prod  Lease
Operator Capable of product
Anadarko Producing
# S. T.
Anadarko Prod. Co. Loco Hills B Fed. 2 - I 9-17-30 6-1-72 Gb. 2654  "" " " " " 5 - J 9-17-30 7-4-72 Gb. 2610  7 - N 9-17-30 7-20-72 Ob. 2594
" " 9-17-30 6-1-72 Form. TOP
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
7 - N = 9 - 17 - 30 - 7 - 11 - 72  Gb 2610
201 bound 2106

Pool boundry outlined in red.

Proposed extension outlined in green.

CASE 4806: (r) EXTENSION OF AN EXISTING OIL POOL

COUNTY	LEA	POOL _	HARDY-BLIN	EBRY	
TOWNSHIP	21 South	RANGE	36 East	NMPM	
6-	5	4	1 1 1		
_   °	3		111		
<del> </del>	8	9	10	) <del>               </del>	12
18	17	-16		5 + 14 -	13-
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19	20 -	21	. + + + 2	2 + + 23-	24+
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			+++		
30 +	29	28	2	7 + + + 26 -	25
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31	32 +	33	34	35 -	36

PURPOSE: Une completed oil well capable of producing.
TEXAS CRUDE OIL COMPANY - Kincheloe "2" State #1 in Unit S of Section 2-
21-36. Completed in Blinebry on July 5, 1972. Top of Perforations 5701
Pool boundary colored in red.
Proposed pool extension colored in green. SECTION 2: SW/4
•
•

CASE 4806: (s) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL MCDONALD-PENNSYLVANIAN

COUNTI	LEA	PUUL	MCDONALD-PE	MO LUANITAL	
TOWNSHIP	13 South	RANGE	36 East	NMPM	
6	5	4	3-	2	
	8 +	9-	10	+++11+	12
18	17	-16	15	14	13
			<b>†                                    </b>		
19	20	21-	22	23	24
			111		
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			<del>                                      </del>	<del>                                      </del>	
30 +	29	28 -	27	26+	25
				+-1-+-	
	1		-	+	
				+-+-+-	
3,1-	32	33-	34	35	36
		+	<del>                                      </del>		
			l capable of		
				Unit O of Sec	
				p of Perforati	ons 10,300'.
			and the second s		
Proposed p	ool extension	on colored	in green.	SECTION 33: S	E/4
			and the second section of the section		
			rinning process of the second second		
		and the state of t			

COUNTY	Eddy	POOL	Sand	Dunes-C	herry	Canyon	<u>1</u>	
TOWNSHIP	238	RANGE	31E		NMPM			
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		1		+++	-			ᅥ
		1						
7 +	8	1 9		10		- 11	12	
				_				
		-						
18	17	16	5 +	15		14	13	
19	20	2	1 1	22-		- 23	24	
		1						
<b>}</b>		+			-	<del>-   -   -   -   -   -   -   -   -   -  </del>		
					1			
30	29	28	3	27		- 26	25	
31-	32	3:	3	34		- 35	36	
	-1							
Purpose:	One compl	eted o	il we	ll capab	le of	produc	ing	
Operator			Leas	e		# & Ut	S-T-R	
Texas Am	erican Oil	Corp.	Todd	26 Fede	ral	4 - B	26-23-	- 31
Comp.	Form.	то	D	. In the second section of the second	•			
5-8-72	Cherry			the transport of the particular and the	a ne wae was anne	a. 1a. apr.or et nom alleder et lan nierskettentheil		
						The second of the second		•
					~	approximate a second and designations		
Pool bou	ndry outlin	ed in	red.	· · · · · · · · · · · · · · · · · · ·	*********		• • • • • • • • • • • • • • • • • • • •	
Proposed	extension	011+1-5-	~~ ·			and the state of the second second		
	extension Sec. 26:	7/4	eu in NE/4	green.				
	**************************************	د د حد استان		grand grand grand grand grand and the second grand gra				

CASE 4806: (u) EXTENSION OF AN EXISTING OIL POOL

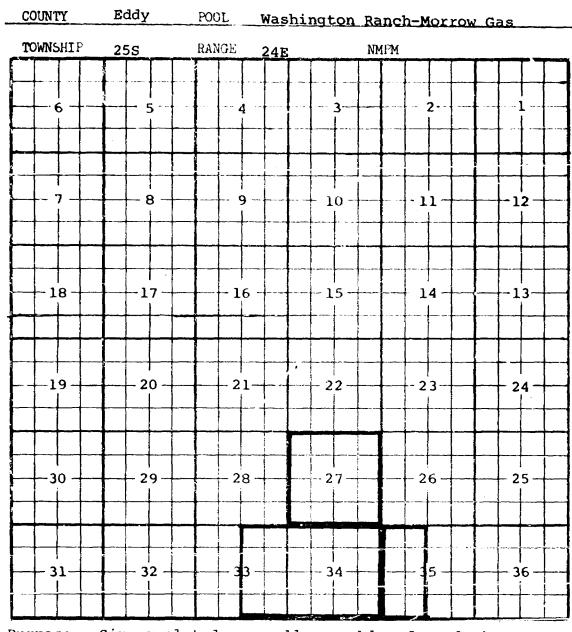
COUNTY	Chaves	POOL	Sulin	nar-Que	en	<del></del>	·····	<del></del>	
TOWNSHIP	15 <b>S</b>	RANGE	29E	ì	IMPM				
				2					
6	5	4		3			<u> </u>		
7	8	9		10					
				10	1.		12		
18	17	16		- 15	1		13-		
19	20	21-	1	- 22	1 2	3	24		
				22			24		
30	29	28		- 27	2		25		
	$\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$	33-		34-	3	5	36		
111									
rpose:	Two compl	eted oil	wells	capab	le of p	produc	ing		
			v						
erator		Lease							TO
	r. Corp.								18
11	11	11	1+	2 - P	27-15	5-29 5	-24-72	Queen	18
ool boun	dry outlin	ed in re	d.		e e e e			•	
				A 1.44					
	extension								
	Sec. 27:					a that is the particular to the control of the cont	ne standard in displacing transporter, but		
<del></del>	Sec. 34:	NE/4 NE/	4						

CASE 4806: (w) EXTENSION OF AN EXISTING OIL POOL POOL VEST RANCH-QUEEN CASE 4806: (v) EXTENSION OF AN EXISTING OIL POOL COUNTY ROOSEVELT POOL VADA-PENNSYLVANIAN TOWNSHIP RANGE NMPM · 3~ 2-10 -12 18 -16 - 15 14 13--19 20 21-22 24 30 29 28 27 26 31-32 33 PURPOSE: One completed oil well capable of producing. PIERCE & DEHLINGER - Union Federal #1 in Unit 0 of Section 34-8-34. Completed in Pennsylvanian on May 24, 1972. Top of Perforations 9594.51. Pool boundary colored in red. Proposed pool extension colored in green. SECTION 34: SE/4

CASE 4806: (w) EXTENSION OF AN EXISTING OIL POOL

COUNTY	• •		ST RANCH-QUEEN		
TOWNSHIP	14 South	RANGE	30 East	NMPM	
6	5	4	3	2	1
		1			
		1			
7	8	9 -	10	-11-	12
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		-			
18	17	-16	15	14	13
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		1	+ + + + + +		
19	20	21-	22	23	24
30	29	28	27	26	25
	22	32	3.4	35	36
31-	32	33 -	34	35	36
PURPOSE:	One complete	d oil wel	l capable of p	producing.	
JACK F. GR	(IMM - Federa	1 21 #1 i	n Unit O of Se	ection 21-14-30	. Completed
in Queen o	n June 28, l	.972. Top	of Perforation	ons 2107'.	
Pool bound	ary colored	in red.			
Proposed p	ool extensio	n colored	in green. S	ECTION 21: SE/	4
			enten e deserva antenna de se como como distribuir estrador e se deserva como como deservador de se como de se		
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			***************************************		
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		and the second second	manananananananananan - saara ay ayaanamanaa yaayay, syaasiin		
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CASE 4806: (x) EXTENSION OF AM EXISTING GAS POOL (Continued on next page)



Purpose: Six completed gas wells capable of producing

Ope	rator				Lease		#	&	Ut.	S-T-R	Comp.	Form.	TOP
C <u>iti</u>	es Ser	vice	Oil	Co.	Govern	ment M	2		Ŋ	27-25-24	5-2-72	Morrow	6815
	11		11	11	11	11	3		G	11	6-7-72	Jr	6916
3lac	k Rive	r Co	rp.							35-25-24			6923
	11	11			Cities	3 Fed.	1	_	F	3-26-24	4-12-7	2 "	6842
13	11	11		ſ	H	tt H	2		G	ti .	5-22-7	2 "	6840
11	11	11			BR 4 F	ed.	1	_	Н	4-26-24	5-15-7	2 "	6953
	1 1								· · · · · · · · · · · · · · · · · · ·				
POC	it boun	ary	outı	<u>ined</u> ir	rea.								
Pro	posed	<u>exte</u>	nsio	n outli	ned in	green							
		Sec.	27:	<u>11</u>									
		Sec.	35:	W/2									

CASE 4806: (x) EXTENSION OF AN EXISTING GAS POOL (Continued)

COUNTY	Eddy		POOL	Wash	nington	Ranch	-Morrow	Gas	
TOWNSHIE	<sup>2</sup> 26S		RANGE	24E		NMPM			
6 -		5			3		2-	1	
7		3	,	9	10		-11-	12	
18 -	1	7	-1	6	15 -		14	13	
19-	2	U	2	1	22-		- 23	24	
30 -	2	9	2	8	27		- 26	25	
31-	3	2	3	3	34		- 35	36	
Purpose	: As si	ated	on Pa	age on	e of th	ııs ex	hibit.		
									•
Propos	ed exter	sion	outl:	ined i	n green	1.	2 12 2 - V <del></del>		
,	Sec.	3:	all	en gerent i vog i v	e e				
	Sec.	4:	E/2						

- CASE 4806: Southeastern New Mexico nomenclature case calling for an order for the creation, abolishment, contraction, and extension of vertical and horizontal limits of certain pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico.
  - (a) Create's new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production and designated as the Boyd-Cisco Gas Pool. The discovery well is David Fasken Arco "9" Morrison No. 1 located in Unit B of Section 9, Township 19 South, Range 25 East, NMPM. Said pool described as:

## TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM SECTION 9: N/2

(b) Create a new pool in Chaves County, New Mexico, classified as an oil pool for Queen production and designated as the South Lucky Lake-Queen Pool. The discovery well is Dalport Oil Corporation Todhunter-Federal No. 1 located in Unit F of Section 22, Township 15 South, Range 29 East, NNPM. Said pool described as:

## TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM SECTION 22: SE/4 NW/4

(c) Create a new pool in Lea County, New Mexico, classified as a gas pool for Devonian production and designated as the East Ranger Lake-Devonian Cas Pool. The discovery well is Union Texas Petroleum Corporation Shell State Com No. 1 located in Unit E of Section 6, Township 13 South, Range 35 East, NMPM. Said pool described as:

### TOWNSHIP 13 SOUTH, RANGE 35 EAST, NMPM SECTION 6: W/2

(d) Abolish the Penrose Skelly-Grayburg Pool in Lea County, New Mexico, described as:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM SECTION 13: E/2 SECTION 24: E/2 SECTION 25: NE/4 and E/2 SE/4 TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM SECTION 4: Lots 3, 4, 5, 6, 11, 12, SECTION 4: 13, 14 and SW/4 S/2 SECTION 7: SECTION 8: S/2 and NE/4SECTION 9:  $\mathbb{W}/2$ SECTION 16: S/2 and NU/4 SECTION 17: All SECTION 18: All SECTION 19: All SECTION 20: All SECTION 21: All SECTION 27: All SECTION 28: All SECTION 29: SECTION 30: All SECTION 31: A1.7SELFION 32: A11SECTION 33: All SAUTION 34: All SECTION 35: All TOWNSHIP 22 SOUTH, RANGE ST DAST, TUWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM SECTION 10: SE/4

(p) Extend the Golden Lane-Strawn Gas Pool in Eddy County, New Mexico, to include Cherein:

SECTION 11: SW/4

```
TOWNSHIP 21 SOUTH, RANGE 29 EAST, NAPA SECTION 4: Lots 9, 10, 11, 12, 13, 14,
             15 and 16
   SECTION 2:
                  All
   SECTION 3:
                  A11
   SECTION 4:
                  A11
   SECTION 5:
                  All
  SECTION 6:
                  E/2
  SECTION 7:
                 NE/4
  SECTION 8:
                 All
  SECTION 9:
                 All
  SECTION 10:
                 All
  SECTION 11:
                 All
  SECTION 14:
                All
 SECTION 15:
                All
 SECTION 16: All
 SECTION 17: E/2
```

(e) Extend the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, to include the Grayburg formation and extend the horizontal limits to include therein:

```
TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
     SECTION 13: E/2
     SECTION 24: E/2
     SECTION 25: NE/4 and E/2 SE/4
    TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM SECTION 4: Lots 3, 4, 5, 6, II, 12,
                  13, 14 and SW/4
    SECTION 7:
                  S/2
    SECTION 8:
                  S/2 and NE/4
    SECTION 9:
                  W/2
    SECTION 16:
                 S/2 and NW/4
   SECTION 17:
                 A11
   SECTION 18:
                 All
   SECTION 19:
                 All
   SECTION 20:
                 All
   SECTION 21: All
   SECTION 27: All
   SECTION 28:
                 A11
   SECTION 29:
                All
  SECTION 30: All
  SECTION 31:
  SECTION 32:
                411
  SECTION 33:
                All
  SECTION 34: All
  SECTION 35: All
 TOWNSHIP 22 SOUTH, RANGE 37 EAST, MMPM SECTION 2: AII
 SECTION 3:
               A11
 SECTION 4:
               All
 SECTION 5:
               A11
 SECTION 6:
               E/2
 SECTION 7:
               NE/4
 SECTION 3:
               All
SEUTION 9:
               ILL
SECTION 10:
              A11
SECTION 11:
              All
SECTION 14: All
SECTION 15:
             A11
SECTION 16:
             All
SECTION 37:
             \epsilon/2
```

<sup>(</sup>f) Contract the Bagley-Pennsylvanian Pool in Lea County, New Marieo has the Pollotion of the Collowing described area.

## TOWNSHIP 11 SOUTH, RANGE 33 GAST, NMPM SECTION 35: N/2 NM/4

(g) Outend the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 35: N/2 NW/4

ADDITION----TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM SECTION 16: NE/4

(h) Contract the Bough-Permo Penasylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NAPA SECTION 17: NW/4

(i) Extend the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM SECTION 26: S/2 SW/4

(j) Extend the Bluitt-San Andres Associated Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM SECTION 8: NW/4

(k) Extend the South Carlsbad-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 7: W/2
SECTION 18: N/2

(1) Extend the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 7: S/2 SECTION 18: N/2

(m) Extend the Dos Hermanos-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMFM SECTION 22: All SECTION 27: All

(n) Extend the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 22 EAST, NMPM SECTION 6: S/2

(o) Extend the Powler-Upper Yeso Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM SECTION 10: SE/4 SECTION 11: SW/4

(p) Extend the Golden Lane-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

FOWNSHIP 21 SOUTH, RANGE 29 EAST, NAPM SECTION 4: Lots 9, 10, 11, 12, 13, 14, 15 and 16

(q) Extend the Grayburg Jackson Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, MMPM SECTION 9: 8/2

(r) Extend the Hardy-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM SECTION 2: SW/4

(s) Extend the McDonald-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM SECTION 33: SE/4

(t) Extend the Sand Dunes-Cherry Canyon Pool in Fddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM SECTION 26: NW/4 NE/4

(u) Extend the Sulimar-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM SECTION 27: SE/4 SE/4 SECTION 34: NE/4 NE/4

(v) Extend the Vada-Pennsylvanian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM SECTION 34: SE/4

(w) Extend the Vest Ranch-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 30 EAST, NMPM SECTION 21: SE/4

(x) Extend the Washington Ranch-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 25 SOUTH, RANGE 24 EAST, NMPM SECTION 27: All SECTION 35: W/2

TOWNSHIP 26 SOUTH, RANGE 24 EAST, NMPH SECTION 3: All SECTION 4: 6/2

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## NOMENCLATURE ADVERTISEMENT FOR AUGUST, 1972 CASE 4806

In the matter of the application of the Oil Conservation Commission of New. Mexico upon its own motion for an order for the creation of new pools in Chaves, Eddy, and Lea Counties, New Mexico, the abolishment of a certain existing pool in Lea County, New Mexico, the contraction of certain existing pools in Lea County, New Mexico, and the extension of vertical and horizontal limits of certain existing pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, abolishments, contractions, and extensions of vertical and horizontal limits should not be made.

 a) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production and designated as the Boyd-Cisco Gas Pool. The discovery well is David Fasken Arco "9" Morrison No. 1 located in Unit B of Section 9, Township 19 South, Range 25 East, NMPM. Said pool described as recorded Company of the American Amer

 $\sqrt{\frac{\text{TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM}}{\text{SECTION 9: N/2}}}$ 

b) CREATE A new pool in Chaves County, New Mexico, classified as an oil pool for Queen production and designated as the South Lucky Lake-Queen Pool. The discovery well is Dalport Oil Corporation, Todhunter Federal No. 1 located in Unit F of Section 22, Township 15 South, Range 29 East, NMPM. Said pool described as:

#### TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM SECTION 22: SE/4 NW/4

c) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for Devonian production and designated as the East Ranger Lake-Devonian Gas Pool. The discovery well is Union Texas Petroleum Corporation, Shell State Com No. 1 located in Unit E of Section 6, Township 13 South, Range 35 East, NMPM. Said pool described as provided described as provided described.

## TOWNSHIP 13 SOUTH, RANGE 35 EAST, NMPM SECTION 6: W/2

d) ABOLISH the Penrose Skelly-Grayburg Pool in Lea County, New Mexico, described as:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM SECTION 13: E/2

SECTION 24: E/2

SECTION 25: NE/4 and E/2 SE/4

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TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM SECTION 4: Lots 3, 4, 5, 6, 11, 12,

13, 14 and SW/4

S/2SECTION 7:

SECTION 8: S/2 and NE/4

SECTION 9: W/2

SECTION 16: S/2 and NW/4

SECTION 17: All

SECTION 18: All

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ok

d) Penrose Skelly-Grayburg abolishment continued:

```
TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 19: All
SECTION 20: All
SECTION 21: All
SECTION 27:
             All
 SECTION 28: All
 SECTION 29:
             A11
 SECTION 30:
              A11
 SECTION 31:
              A11
 SECTION 32:
              All
 SECTION 33: All
  SECTION 34: All
  SECTION 35: All
  TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
               A11
  SECTION 2:
                All
  SECTION 3:
                A11
   SECTION 4:
   SECTION 5:
                A11
                E/2
   SECTION 6:
                NE/4
   SECTION 7:
                A11
   SECTION 8:
                 All
    SECTION 9:
    SECTION 10:
                 All
                All
    SECTION 11:
    SECTION 14:
                 All
                 All
    SECTION 15:
     SECTION 16: All
                 E/2
```

e) EXTEND the vertical limits of the Langlie-Mattix Peol in Lea County, New Mexico, to include the Grayburg formation. Also, extend said Langlie Mattix Pool to include therein:

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TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
SECTION 13: E/2
SECTION 24: E/2
SECTION 25: NE/4 and E/2 SE/4
 TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM SECTION 4: Lots 3, 4, 5, 6, 11, 12, 13, 14 and SW/4
                s/2
  SECTION 7:
                S/2 and NE/4
 SECTION 8:
                 W/2
  SECTION 9:
  SECTION 16: S/2 and NW/4
  SECTION 17: All
  SECTION 18:
                 M11
   SECTION 19: All
   SECTION 20: All
   SECTION 21: All
```

e) Langlie Mattix extension continued:

```
TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 27: All
SECTION 28: All
SECTION 29: All
SECTION 30:
             All
SECTION 31:
             All
SECTION 32:
             All
SECTION 33:
             All
SECTION 34:
 SECTION 35:
             A11
 TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
              All
 SECTION 2:
              All
 SECTION 3:
              All
 SECTION 4:
              All
 SECTION 5:
               E/2
 SECTION 6:
               NE/4
 SECTION 7:
               All
 SECTION 8:
               All
  SECTION 9:
  SECTION 10:
               A11
  SECTION 11:
               All
  SECTION 14:
               All
               All
  SECTION 15:
  SECTION 16:
               A11
  SECTION 17:
               E/2
```

f) CONTRACT the Bagley-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

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# TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 35: N/2 NW/4

g) EXTEND the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

## TOWNSHIP 11 SOUTH, RANGE 33 EAST, NATH SECTION 35: N/2 NW/4

h) CONTRACT the Bough-Permo Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

## TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM SECTION 17: NW/4

i) EXTEND the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM SECTION 26: \$/2 SW/4

August, 1972 Nomenclature

j) EXTEND the Bluitt-San Andres Associated Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM SECTION 8: NW/4

k) EXTEND the South Carlsbad-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 7: W/2 SECTION 18: N/2

1) EXTEND the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 7: S/2 SECTION 18: N/2

m) EXTEND the Dos Hermanos-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM SECTION 22: All SECTION 27: All

n) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM SECTION 6: S/2

o) EXTEND the Fowler-Upper Yeso Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM SECTION 10: SE/4 SECTION 11: SW/4

p) EXTEND the Golden Lane-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM
SECTION 4: Lot 9, 10, 11, 12, 13, 14,
15 and 16

 $q)\ \ \mbox{EXTEND}$  the Grayburg-Jackson Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, MMPM SECTION 9: S/2

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. August, 1972 Nomenclature

r) EXTEND the Hardy-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM SECTION 2: SW/4

EXTEND the Humble City-Strawn Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 37 EAST, MPM

5) %) EXTEND the McDonald-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM SECTION 33: SE/4

(t) EXTEND the Sand Dunes-Cherry Canyon Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM SECTION 26: NW/4 NE/4

(L) EXTEND the Sulimar-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM
SECTION 27: SE/4 SE/4
SECTION 34: NE/4 NE/4

EXTEND the Vada-Pennsylvanian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM SECTION 34: SE/4

W) => EXTEND the Vest Ranch-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 30 EAST, NMPM SECTION 21: SE/4

EXTEND the Washington Ranch-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 25 SOUTH, RANGE 24 EAST, NMPM SECTION 27: All SECTION 35: W/2

TOWNSHIP 26 SOUTH, RANGE 24 EAST, NMPM SECTION 3: All SECTION 4: E/2