# CASE 3319: SOUTHEASTERN NEW MEXICO NOMENCLATURE і. К.Я و من ا C ې ويونو و.

0. E SE Application, Transcripts, SMALL Exhibits ETC.

#### NOMENCLATURE ADVERTISEMENT FOR OCTOBER, 1965 CASE 33/9

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 Eddy and Lea Counties, New Mexico, the change of vertical limits of an 'existing oil pool in Lea County, New Mexico, and the extension 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, change of vertical limits, and extensions should not be made.

a) CREATE A new pool in Lea<sup>®</sup>County, New Mexico, classified as an oil pool for Bough C production and designated as the East Bagley-Pennsylvanian Pool. The discovery well is Coastal States Gas Producing Company, Pan American State No. 1 located in Unit L of Section 5, Township 12 South, Range 34 East, NMPW. Said pool described as:

#### TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM SECTION 5: SW/4

b) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated as the Buckeye-Abo Pool. The discovery well is Hanagan Petroleum Corporation, Superior A State No. 1 located in Unit L of Section 2, Township 18 South, Range 35 East, NMPM. Said pool described as:

#### TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM SECTION 2: SW/4

c) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Cedar Hills-Wolfcamp Gas Pool. The discovery well is Harvey E. Yates, Cedar Hills State No. 1 located in Unit I of Section 15, Township 21 South, Range 27 East, NMPM. Said pool described as:

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#### TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM SECTION 15: SE/4

d) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Cinta Koja-Morrow Gas Pool. The discovery well is Midwest Oil Corporation, Custer Mountain Unit No. 1 located in Unit K of Section 9, Township 24 South, Range 35 East, NMPM. Said pool described as:

> TOWNSHIP 24 SOUTH, RANGE 35 EAST, NMPM SECTION 9: SW/4

e) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian (Bough C) production and designated as the East Hightower-Upper Pennsylvanian Pool. The discovery well is Shell Oil Company, HT State No. 1 located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM, with special vertical limits defined as from the top of Pennsylvanian at 2750 feet to a point at 10.010 feet as in Shell Oil Company's HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Said Pool described as:

> TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM SECTION 25: SE/4

#### October, 1965 Nomenclature

-2-

Contract f) -OHANCE vertical limits of the East Hightower-Pennsylvanian Pool in Lea County, New Mexico, with special vertical limits defined as being from a point at 10,010 feet to the top of (Mississippian) base of Pennsylvanian in Shell Cil Company's HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Change manne to East Hightower - Lower Pennsylvanian

g) EXTEND the ArtesiaXQueen-Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

# TOWNSHIP 17 SOUTH, RANGE 29 EAST, NAPM SECTION 31: S/2 NW/4 and NE/4

h) EXTEND the Dagger Draw-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM SECTION 6: N/2

i) EXTEND the Getty-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

		29 EAST, NMPM
SECTION 23:		
SECTION 25:	N/2 NW/4	
SECTION 26:	NE/4 NE/4	

j) EXTEND the North Hackberry-Yates Pool in Eddy County, New Mexico, to include therein:

> TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 17: SW/4 and SE/4 NW/4

k) EXTEND the Henshaw-Wolfcamp Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM SECTION 26: N/2 NE/4

1) EXTEND the Inbe-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: NW/4

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 13: N/2

m) EXTEND the Jenkins-Cisco Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 25: NE/4

n) EXTEND the King-Devonian Fool in Los County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 37 EAST, NMPM SECTION 2: S/2 NE/4 and SE/4

#### -3-October, 1965 Nomenclature

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o) EXTEND the Middle Lane-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 10: SE/4

p) EXTEND the Leslie Spring-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM SECTION 26: SW/4 NW/4

q) EXTEND the Lusk-Strawn Pool in Eddy County, New Mexico, to include therein:

> TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 14: E/2S/2 SECTION 27: S/2 SECTION 34: NW/4

r) - EXTEND the West MCM11Ian-Seven Rivers-Queon Pool in Eddy County New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, MPM SECTION 12: S/2 SW/4

Sie Case 3311 (3) EXTEND the Monument-Tubb Pool in Lea County, New Mexico, to include therein:

> TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM SECTION 11: NW/4

EXTEND the Shugart Pool in Eddy County, New Mexico, to include therein: F)

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM SECTION 27: N/2 NW/4, SW/4 NW/4, NW/4 SW/4, and S/2 SW/4E/2 SECTION 28: SECTION 33: N/2

EXTEND the Square Lake-Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM SECTION 27: NW/4 SE/4

★ EXTEND the Todd-San Andres Gas Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM

SECTION 22: All SECTION 23: All SECTION 24: W/2

#### -4-October, 1965 Nomenclature

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K EXTEND the Triste Draw-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM SECTION 34: E/2

EXTEND the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 NE/4 and NW/4

EXTEND the Vacuum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 NE/4

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

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

> CASE NO. 3319 Order No. R-2985

THE APPLICATION OF THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING, CONTRACTING VERTICAL LIMITS, AND EXTENDING 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 o'clock a.m. on October 13, 1965, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 18th day of Detober, 1965, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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 subject matter thereof.

(2) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Bough C formation, said pool to bear the designation of East Bagley-Pennsylvanian Pool. Said East Bagley-Pennsylvanian Pool was discovered by Coastal States Gas Producing Company, Pan American State No. 1, located in Unit L of Section 5, Township 12 South, Range 34 East, NMPM. It was completed in Bough C on August 6, 1965. The top of perforations is 9982 feet.

(3) That there is need for the creation of a new pool in Lea County<sub>5</sub> New Mexico, for the production of oil from the Mbo formation, said pool to bear the designation of Buckeys-Abo Pool. Said Buckeye-Abo Pool was discovered by Hanagan Petroleum Corporation, Superior A State No. 1, located in Unit L of Section 2, Townshin 18 South, Range 35 East, NMFM. It was completed in The on Lugust 5, 1965. The ter of perforations is 9010 fest. - 2 -CASE NO. 3319 Order No. R-2985

(4) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Wolfcamp formation, said pool to bear the designation of Cedar Hills-Wolfcamp Gas Pool. Said Cedar Hills-Wolfcamp Gas Pool was discovered by Harvey E. Yates, Cedar Hills State No. 1, located in Unit I of Section 15, Township 21 South, Range 27 East, NMPM. It was completed in Wolfcamp on July 29, 1964. The top of perforations is 9559 feet.

(5) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Cinta Roja-Morrow Gas Pool. Said Cinta Roja-Morrow Gas Pool was discovered by Midwest Oil Corporation, Custer Mountain Unit No. 1, located in Unit K of Section 9, Township 24 South, Range 35 East, NMPM. It was completed in Morrow on May 17, 1964. The top of perforations is 14,254 feet.

(6) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Pennsylvanian (Bough C) formation, said pool to bear the designation of East Hightower-Upper Pennsylvanian Pool. Said East Hightower-Upper Pennsylvanian Pool was discovered by Shell Oil Company HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. It was completed in Pennsylvanian (Bough C) on August 13, 1965. Top of perforations is 9484 feet. The special vertical limits are described as being from the top of the Pennsylvanian at 9750 feet to 10,010 feet. Type log: Shell Oil Company HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM.

(7) That there is need for the contraction of the vertical limits of the East Hightower-Pennsylvanian Pool in Lea County, New Mexico, because of a separate reservoir discovered above said East Hightower-Pennsylvanian Pool. The special vertical limits are defined as being from a point at 10,010 feet to the base of the Pennsylvanian formation in Shell Oil Company's HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Further, redesignate said pool as the East Hightower-Lower Pennsylvanian Pool.

(8) That there is need for certain extensions to the Leslie Spring-San Andres Pool in Chaves County, New Mexico, the Artesia Queen-Grayburg-San Andres Pool, the Dagger Draw-Morrow Gas Pool, the Getty-Morrow Gas Pool, the North Hackberry-Yates Pool, the Henshaw-Wolfcamp Pool, the Lusk-Strawn Pool, the Shugart Pool, and the Square Lake Grayburg-San Andres Pool, all in Eddy County, New Mexico, the Inbe-Pennsylvanian Pool, the Jenkins-Cisco Pool, the Xing-Devonian Pool, the Middle Lane-Pennsylvanian Pool, the Monument-Tubb Pool, the Triste Draw-Delaware Pool, the North Vacuum-Abo Pool, and the Vacuum-Upper Pennsylvanian Pool, all in Lea County, New Mexico, and the Todd-San Andres Gas Pool in Roosevelt County, New Mexico.

#### IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Bough C production, is hereby created and designated as the East Bagley-Pennsylvanian Pool, consisting of the following described area:

\_3 ≤∎ CASE NO. 3319 Order No. R-2985

#### TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM 5: SW/4 SECTION

# (b) That a new pool in Lea County, New Mexico, classified as

an oil pool for Abo production, is hereby created and designated as the Buckeye-Abo Fool, consisting of the following described area:

# TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM SECTION 2: SW/4

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

#### TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM SECTION 15: SE/4

(d) That a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production, is hereby created and designated as the Cinta Roja-Horrow Gas Pool, consisting of the following described area:

TOWNSHIP 24 SOUTH, RANGE 35 EAST, NMPM SECTION 9: SW/4

(e) That a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian (Bough C) production, is hereby created and designated as the East Hightower-Upper Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 12 SOUTH, RANGE 33 EAST, SECTION 25: SE/4 NMPM

Special vertical limits, top pool - top of Pennsylvanian formation at 9750 feet, bottom pool at 10,010 feet. Type log: Shell Oil Company HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM.

(f) Contract the vertical limits of the East Hightower-Pennsylvanian Pool in Lea County, New Mexico, with special vertical limits defined as being from a point at 10,010 feet to the base of the Pennsylvanian formation as in Shell Oil Company's HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Further, re-designate said pool as the East Hightower-Lower Pennsylvanian Pool.

(g) That the Artesia Queen-Grayburg-San Andres Pool in Eddy County New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 BOUTH, RANGE 29 EAST, NMPM SECTION 31: 5/2 MM74 and NE/4

CASE NO. 3319 Order No. R+2985

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

> TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM SECTION 6: N/2

(i) That the Getty-Morrow Gas Fool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM SECTION 23: E/2 SE/4 SECTION 25: N/2 NW/4 SECTION 26: NE/4 NE/4

(j) That the North Hackberry-Yates Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 17: SW/4 and SE/4 NW/4

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

> TOUNSHIP 16 SOUTH, RANGE 30 EAST, NMPM SECTION 26: N/2 NE/4

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

> TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: NW/4

> TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 13: N/2

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 25: ME/4

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

TOWNSHIP 14 SOUTH, RANGE 37 EAST, NMPM SECTION 2: S/2 NE/4 and SE/4

- 5 -CASE NO. 3319 Order No. R-2985

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

> TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 10: SE/4

(p) That the Leslie Spring-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM SECTION 26: SW/4 NW/4

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

> TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 14: E/2 SECTION 27: S/2 SECTION 34: NW/4

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

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM SECTION 11: NW/4 and W/2 SE/4

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

> TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM SECTION 27: N/2 NW/4, SW/4 NW/4, NW/4 SW/4, and S/2 SW/4 SECTION 28: E/2 SECTION 33: N/2

(t) That the Square Lake Grayburg-San Andres Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM SECTION 27: NW/4 SE/4

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

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM SECTION 22: All SECTION 23: All SECTION 24: W/2 - 6 -CASE NO. 3319 Order No. R-2985

(v) That the Triste Draw-Delaware Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 23 SOUTH, RANGE 32 EAST, MMPM SECTION 34: E/2 SECTION 35: SW/4

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 E/4 and NW/4

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

#### TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 NE/4

#### IT IS FURTHER ORDERED:

That the effective date of this order and all creations, contractions of vertical limits, and extensions included herein shall be November 1, 1965.

DONE at Santa Fe, New Mexico, on the day and year insteinabove designated.

STATE OF NEW MEXICO WIL CONSERVATION COMMISSION

CAMPBELL, Chairman М.

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A. L. PORTER, JR., Member & Secretary

#### NEW\_POOLS

a) It is recommended that a new <u>oil</u> pool be created and designated as the <u>EAST BAGLEY-PENNSYLVANIAN</u> Pool.

Vertical limits to be the <u>Bough C</u>formation and the horizontal limits should be as follows: <u>As shown in Paragraph (a)</u>, <u>Exhibit I</u>

Discovery well was <u>Coastal States Gas Producing Company - Pap American State #1</u> located in Unit <u>L</u> Section <u>5</u> Township <u>12</u> Range <u>34</u> and was completed on <u>August 6, 1965</u> With Shelly Fight Postantial States <u>BORD/MCF-PD</u> Top of perforations is at <u>9982</u> feet.

b) It is recommended that a new <u>oil</u> pool be created and designated as the <u>BUCKEYE-ABO</u> Pool.

Vertical limits to be the <u>Abo</u> formation and the horizontal limits should be as follows: <u>As shown in Paragraph (b)</u>, <u>Exhibit I</u> Discovery well was <u>Hanagan Petroleum Corporation - Superior A State #1</u>

located in Unit<u>I, Section 2 Township 18 Range 35 and was completed on August 5, 1965 #Mishsadd Shitting Shitti</u>

c) It is recommended that a new gas pool be created and designated as the <u>CEDAR HILLS-WOLFCAMP GAS</u> Pool.

#### NEW POOLS

d) It is recommended that a new <u>GAS</u>pool be created and designated as the <u>CINTA ROJA-MORROW GAS</u>Pool.

Vertical limits to be the <u>Morrow</u> formation and the horizontal limits should be as follows: <u>As shown in Paragraph (d)</u>, <u>Exhibit I</u>

Discovery well was<u>Midwest Oil Corporation - Custer Mountain Unit #1</u> located in Unit <u>K</u> Section 9 Township 24 Range 35 and was completed on <u>May 17, 1964</u> Statistic Statistic Statistics Soft Statistics For Statist

e) It is recommended that a new <u>oil</u> pool be created and designated as the <u>EAST HIGHTOWER-UPPER PENNSYLVANIAN</u> Pool.

From the top of Pennsylvanian at 9750 feet to a point at Vertical limits to be the <u>10,010 feet</u>. formation and the horizontal Type Log: Shell Oil Gompany, HT State #1 in Unit P of Section 25-12-33. limits should be as follows: <u>As shown in Paragraph (e)</u>, Exhibit I

Discovery well was<u>Shell Oil Company - HT State #1</u> located in Unit <u>p</u>\_Section<u>25</u> Township<u>12</u> Range<u>33</u> and was completed on <u>Angust 13, 1965 WERE HERE SHERE HERE SHERE HERE TOP of perforations is at<u>9848</u> feet.</u>

It is recommended that a new pool be created and designated as the

\_\_\_\_\_Pool.

Vertical limits to be the \_\_\_\_\_\_ formation and the horizontal

limits should be as follows:

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located in Unit\_\_\_\_Section\_\_\_Township\_\_\_Renge\_\_\_\_and was completed on

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CASE 3319: (c) CREATION OF A NEW GAS POOL

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CASE 3319: (d) CREATION OF A NEW GAS POOL

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CASE 3319: (e) CREATION OF A NEW OIL 0007

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CASE 3319: (g) EXTENSION OF AN EXISTING OIL POOL

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CASE 3319: (h) EXTENSION OF AN EXISTING GAS POOL

Pool boundary colored in red.

Proposed extension colored in green. Section 23: E/2 SE/4

Section 25: N/2 NW/4

Section 26: NE/4 NE/4

Purpose: To include all dedicated acreage within the pool limits.



CASE 3319: (i) EXTENSION OF AN EXISTING GAS POOL <u>COUNTY</u> EDDY POOL GETTY - MORROW GAS

CASE 3319. (1) EVTENCION OF AN ENTOMETRO OF

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CASE 3319: (j) EXTENSION OF AN EXISTING OIL POOL COUNTY EDDY POOL NORTH HACKBERRY - YATES

Ernest A. Hanson: English B Fed. No. 2 Unit F Section 17-19-31. Completed in Yates July 1, 1965, through perforations 2176 to 2362.

Pool boundary colored in red.

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Proposed extension colored in green. Section 17: SW/4 & SE/4 NW/4



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### CASE 3319: (1) EXTENSION OF AN EXISTING OIL POOL (Continued on next page) COUNTY LEA POOL INBE-PENNSYLVANIAM

#### POOL INBE-PENNSYLVANIAN COUNTY LEA TOWNSHIP 11 South RANGE 33 East NMPM 6 4 3 2-5 7 8 9 10 -- 11 --12 18 -16 - 15 -14 -·17· 1 -19 20 21 22 23 24 -30 – - 29 - 27 26-25-28-35 - 33 -- 34 -31. 32 36 PURPOSE: As stated on preceding page, paragraph (1), Exhibit I. SOUTHLAND RCYALTY COMPANY - Farrar #1 in Unit F of Section 13-11-33. Completed in Pennsylvanian on August 21, 1965. Top of Perforations 9734'. SOUTHLAND ROYALTY COMPANY - Farrar "A" #1 in Unit A of Section 13-11-33. Completed in Pennsylvanian on September 11, 1965. Top of Perforations 9744'. Pool boundary colored in red. Proposed pool extension colored in green. SECTION 13: N/2

#### CASE 3319: (1) EXTENSION OF AN EXISTING OIL PCOL (Continued) COUNTY LEA POOL INBE-PENNSYLVANIAN

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## CASE 3319: (o) EXTENSION OF AN EXISTING OIL POOL

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CASE 3319: (P) EXTENSION OF AN EXISTING OIL POOL CONSE 3319: (P) EXTENSION OF AN EXISTING OIL POOL CONSTRUCT CHAVES POOL LESLIE SPRING - SAN ANDRES

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CASE 3319: (q) EXTENSION OF AN EXISTING OIL POOL

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#### CASE 3319: (r) EXTENSION OF AN EXISTING OIL POOL COUNTY

# CASE 3319: (s) EXTENSION OF AN EXISTING OIL POOL

COUNTY EDDY POOL SHUGART 31E TOWNSHIP 18S RANGE NMPM 3 2 6 5 4 10 - 11 -12 18 --17--16 - 15 · 14 -13-20 -- 21-22 23-24 -30 29 24 26 -5 - 32 -35 -· 36 · 31-34 Purpose: Two completed oil wells capable of producing. V. S. Welch Hinkle F No. 3 Unit C of Section 27-18-31. Completed in Grayburg August 4, 1965, through perforations 3908 to 3928. V. S. Welch, Hinkle F No. 4 Unit E of Section 27-18-31. Completed in Grayburg August 10, 1965, through perforations 3809 to 3900.

Pool boundary colored in red. Proposed extensions colored in green. Section 27: N/2 NW/4 SW/4 NN/4, NW/4 SW/4 S/2 SW/4 Section 28: E/2 Section 33: N/2

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Purpose: One	completed oil wel	1 capable of pro	oducing.	<u> </u>
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## CASE 3319: (t) EXTENSION OF AN EXISTING OIL POOL COUNTY EDDY POOL SQUARE LAKE

Olen F. Featherstone, Fed. J-27 No. 1 in Unit J of Section 27-16-31. Completed in Grayburg - San Andres June 27, 1965, through perforations 3611 to 3779.

Pool boundary colored in red.

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Proposed extension colored in green. Section 27: NW/4 SE/4

COUNTY	ROOSEVELT	POOL TODD-	SAN ANDRES	GAS	
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PURPOSE:	Three comple	ted gas wells	capable of	producing.	
JACK L. M	CLELLAN - Fe	leral 22 #1 in	Unit N of	Section 22-7-3	5. Complete
in San An	dres on July	7, 1965. Тор	of Perforat	tions 4100'	
	2.2			l in Unit M of S	<u>(</u>
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OLEN F. F	EATHERSTONE I			2 in Unit M of S	Section 24-
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9 <b></b>	-	,	SEC	CTION 23: All	$\mathcal{L}_{1}$
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#### CASE 3319: (u) EXTENSION OF AN EXISTING GAS POOL COUNTY ROOSEVELT POOL TODD CAN ANDRES OAC

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CASE 3319: (V) EX'	PENSION OF AN EXISTIN POOL TRISTE DRAF	-DELAWARE	
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		blo of producing.	
PURPOSE: One	completed oil well ca	pable of producing. Federal "K" #1 in Unit and on July 2, 1965. T	L of Section
UNION OIL COMP	ANY OF CALIFORNIA -	Federal "K" #1 In Unit	op of Perfora-
	inferen in pos		And the second sec
tions 4949'.	G. MCCARVER dba P-M D	NTILLING COMPANY - Payne 32. Completed in Delay	are Sand on
<u>ADDITION</u> Uni	t L of Section 35-23-	<u>RILLING COMPANY - 18, -32, Completed in Delay</u> 6 Perforations 4944',	
Aug	ust 25, 1965. TOP 0.		
Pool boundary	colored in red.	in green. SECTION 34: ADDITIONSECTION 35:	E/2
Proposed poo.	L extensione com	ADDITION SECTION 35:	SW/4
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### POOL NORTH VACUUM-AEO TOWNSHIP 17 South RANGE NMPM 34 East 2. 5 4 3 1 6 7 8 -9 10 -- 11 -12 ·18 -17 -- 16 2 - 15 -14 -13-Τ -20--19 21 22. - 23 24-- 27 -- 28 --30 -- 29 -26 5 32 -- 31-- 33 -- 34 -- 35 36 PURPOSE: One completed oil well capable of producing. SOCONY MOBIL OIL COMPANY, INC. - State Bridges #104 in Unit B of Section 25-17-34. Completed in Abo on July 15, 1965. Top of Perforations 9212'. Pool boundary colored in red. Proposed pool extensions colored in green. SECTION 25: N/2 NE/4 and NW/4 ÷,

### CASE 3319: (\*\*) EXTENSION OF AN EXISTING OIL POOL COUNTY LEA POOL NORTH VACUUM-AEO

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# CASE 3319: (x) EXTENSION OF AN EXISTING OIL POOL

#### Docket No. 29-65

### DOCKET: REGULAR HEARING - WEDNESDAY - OCTOBER 13, 1965

#### OIL CONSERVATION COMMISSION - 9 A.M., MORGAN HALL, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

ALLOWABLE:

(1) Consideration of the oil allowable for November, 1965

(2) Consideration of the allowable production of gas for November, 1965, from twelve prorated pools in Lea and Eddy Counties, New Mexico, also consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico, for November, 1965.

3319 CASE

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

a) CREATE A new oil pool for Bough C production designated as the East Bagley-Pennsylvanian Pool. The discovery well is Coastal States Gas Producing Company, Pan American State No. 1 located in Unit L of Section 5, Township 12 South, Range 34 East, NMPM. Said pool described as:

> TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM SECTION 5: SW/4

b) CREATE A new oil pool for Abo production and designated as the Buckeye-Abo Pool. The discovery well is Hanagan Petroleum Corporation, Superior A. State No. 1 located in Unit L of Section 2, Township 18 South, Range 35 East, NAPM. Said pool described as:

> TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM SECTION 2: SW/4

c) CREATE A new gas pool for Wolfcamp production designated as the Cedar Hills-Wolfcamp Gas Pool. The discovery well is Harvey E. Yates, Cedar Hills State No. 1 located in Unit I of Section 15, Township 21 South, Range 27 East, NMPM. Said pool described as:

> TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM SECTION 15: SE/4

d) CREATE A new gas pool for Morrow production designated as the Cinta Roja-Morrow Gas Pool. The discovery well is Midwest Oil Corporation, Custer Mountain Unit No: 1 located in Unit K of Section 9, Township 24 South, Range 35 East, NMPM. Said pool described as:

TOWNSHIP 24 SOUTH, RANGE 35 EAST, NMPM SECTION 9: SW/4

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### OCTOBER 13, 1965 REGULAR HEARING

- 2 -

e) CREATE A new oil pool for Pennsylvanian (Bough C) production designated as the East Hightower-Upper Pennsylvanian Pool. The discovery well is Shell Oil Company, HT State No. 1 located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM, with special vertical limits defined as from the top of Pennsylvanian at 9750 feet to a point at 10,010 feet as in Shell Oil Company's HT State No. 1 located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Said pool described as:

#### TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM SECTION 25: SE/4

f) CONTRACT vertical limits of the East Hightower-Pennsylvanian Pool with special vertical limits defined as being from a point at 10,010 feet to the base of the Pennsylvanian formation in Shell Oil Company's HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Change name to East Hightower-Lower Pennsylvanian.

g) EXTEND the Artesia Queen-Grayburg-San Andres Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM SECTION 31: S/2 NW/4 and NE/4

h) EXTEND the Dagger Draw-Morrow Gas Pool to include therein:

TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM SECTION 6: N/2

i) EXTEND the Getty-Morrow Gas Pool to include therein:

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM SECTION 23: E/2 SE/4 SECTION 25: N/2 NW/4 SECTION 26: NE/4 NE/4

j) EXTEND the North Hackberry-Yates Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 17: SW/4 and SE/4 NW/4

k) EXTEND the Henshaw-Wolfcamp Pool to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM SECTION 26: N/2 NE/4

1) EXTEND the Inbe-Pennsylvanian Pool to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: NW/4

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 13: N/2

#### - 3 -OCTOBER 13, 1965 REGULAR HEARING

m) EXTEND the Jenkins-Cisco Pool to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 25: NE/4

n) EX

EXTEND the King-Devonian Pool to include therein:

TOWNSHIP 14 SOUTH, RANGE 37 EAST, NMPM SECTION 2: S/2 NE/4 and SE/4

o) EXTEND the Middle Lane-Pennsylvanian Pool to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 10: SE/4

p) EXTEND the Leslie Spring-San Andres Pool to include therein:

TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM SECTION 26: SW/4 NW/4

q) EXTEND the Lusk-Strawn Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 14: E/2 SECTION 27: S/2 SECTION 34: NW/4

r) EXTEND the Monument-Tubb Pool to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM SECTION 11: NW/4 AND US/2- SE/4

s) EXTEND the Shugart Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM SECTION 27: N/2 NW/4; SW/4 NW/4; NW/4 SW/4, and S/2 SW/4. SECTION 28: E/2 SECTION 33: N/2

t) EXTEND the Square Lake-Grayburg-San Andres Pool to include therein:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM SECTION 27: NW/4 SE/4

u) EXTEND the Todd-San Andres Gas Pool to include therein:

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM SECTION 22: All SECTION 23: All SECTION 24: W/2

### OCTOBER 13, 1965 REGULAR HEARING

v) EXTEND the Triste Draw-Delaware Pool to include therein:

w) EXTEND the North Vacuum-Abo Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 NE/4 and NW/4

x) EXTEND the Vacuum-Upper Pennsylvanian Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 NE/4

CASE 3320:

· 4 -

Northwestern nomenclature case calling for an order for the extension of certain pools in Rio Arriba, San Juan and Sandoval Counties, New Mexico:

a) EXTEND the Ballard-Pictured Cliffs Pool to include therein:

TOWNSHIP 24 NORTH, RANGE 4 WEST, NMPM SECTION 30: SW/4 SECTION 31: NE/4 SECTION 32: NW/4

b) EXTEND the South Blanco-Pictured Cliffs Pool to include therein:

TOWNSHIP 23 NORTH, RANGE 2 WEST, NMPM SECTION 16: E/2

TOWNSHIP 25 NORTH, RANGE 4 WEST, NMPM SECTION 1: SW/4 SECTION 12: All

c) EXTEND the Tapacito-Pictured Cliffs Pool to include therein:

TOWNSHIP 25 NORTH, RANGE 3 WEST, NMPM SECTION 6: NW/4 and SE/4

TOWNSHIP 26 NORTH, RANGE 3 WEST, NMPM SECTION 31: SW/4

d) EXTEND the Blanco-Mesaverde Pool to include therein:

TOWNSHIP 26 NORTH, RANGE 9 WEST, NMPM SECTION 1: All

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM SECTION 15: N/2 SECTION 23: All SECTION 36: W/2

PAGE 1 SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico October 13, 1965 REGULAR dearnley-meier reporting service, inc. HEARING 3120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO IN THE MATTER OF: Southeastern New Mexico nomenclature case calling for an order for the creation, contraction and extension of certain pools in Eddy, Lea, Chaves, and Roosevelt Counties, New Mexico 3319 Case No. **BEFORE**: Guyton B. Hays, Land Commissioner A.L. "Pete" Porter, Secretary-Director TRANSCRIPT OF HEARING

Sec.(53)

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 2017 - ¥2	DAN S. NUTTER
NVENTIO	called as a witness, herein, having been first duly sworn on
OPY, CO	oath, was examined and testified as follows:
DAILY COPY	DIRECT EXAMINATION
	BY MR. DURRETT:
SBLVCB, 415. EXPERT TESTIMO	Q Will you please state your name and position for the
S B ALBI	reocrd?
110 57.77E M	A Dan Nutter, Chief Engineer.
BALMBY - MBIBL FBDT FBDT FINGS, STATEM ECLALIZING IN. DEPOSITIONS, HEARINGS, STATEM 20 SIMMS BLDG P.O. BOX 1072 - PHONE 243-6691	Q Mr. Nutter, are you prepared to make recommendations
Г ГВ NNS, HEL 1092 •	to the Commission this morning concerning the creation,
RIGIGI Defositions, P.O. BOX 109	contraction and extension of certain pools in Eddy, Lea, Chaves
nley-n ing in bi	and Roosevelt Counties, New Mexico.
DBTDF SFECIALIZING 1120 SIMMS BUE	A I am.
DEALT SPECIALIZIO	Q Have you prepared the recommendations in the form of
en en la presidente de la composition d La composition de la c	an exhibit?
	A Yes, sir.
	Q How is that marked?
	A Oil Conservation Commission Exhibit I, in Case 3319.
	Q Is that exhibit similar to the docket?
	A Yes, it is. In some respects there are some changes
	I want to point out, however.
	Q Will you summarize that exhibit and point out the
	changes that you think are pertinent?
	A All the creations and all the contractions are as
•	

PAGE 3 shown on the docket, they're identical. Paragraph "R", the extension of the Monument-Tubb Pool, in Section 11, Township EXPERT TESTIMONY, DAILY COPY, CONVENTIONS 20 South, Range 37 East; in addition to the extension of the Northwest quarter of Section 11, the West half of the Southeast ALBUQUERQUE, NEW MEXICO ALBUQUERQUE, NEW MEXICO quarter of Section 11. In Paragraph "V", in addition to the extension of the East half of Section 34, Township 23 South, Range 32 East, to the SPECIALIZING INI DEPOSITIONS, MEARINGS, STATE MENTS, Triste Draw-Delaware Pool, we also have the Southwest quarter 2 • PHONE 243-6691 PHONE 256-1294 • A of Section 35, Township 23 South, Range 32 East. MR. PORTER: What was that additional acreage that 1092 S BLDC. . P.O. BOX 1 NATIONAL BANK EAST you gave there? That was the Southwest quarter of Section 35-23-32. Α All of the other extensions and contractions and creations are 1120 SIMMS as shown on the docket and exhibit. (By Mr. Durrett) Will you spell that, please, for the Q record? It's spelled T-r-i-s-t-e on the docket. Α Are you willing to assume that's correct, Mr. Nutter? Q I wouldn't bet on it. A Was Exhibit I prepared by you or under your 0 supervision? Yes, sir. A MR. DURRETT: I move the introduction of Exhibit I,

and that will conclude my examination.

dearnley-meier reporting service, inc.

PAGE 4 If there are no objections it will MR. PORTER: (Whereupon, Oil Conservation Commission Exhibit I was received be admitted. SPECIALIZING IN DEPOSITIONS, HEARINGS. STATE MENTS. EXPERT TESTIMONY, DAILY COPY, CONVENTIONS in evidence.) MR. PORTER: Does anyone have anything to offer in the case? The Commission will take the case under advisement 1120 SIMMS BLDG. • P.O. BOX 1092. • PHONE 243-0691 • ALBUQUERQUE, NEW MEXICO 120 SIMMS BLDG. • P.O. BOX 1092. • PHONE 236-1294 • ALBUQUERQUE, NEW MEXICO dearnley-meier reporting service, inc. and take up case 3320.

STATE OF NEW MEXICO )

COUNTY OF BERNALILLO)

I, BOBBY J. DAVIS, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF, I have affixed my hand and notarial seal this 9th day of November, 1965.

Debby J. Nauna Notary Public-Court Reporter

SS

March 13, 1969

My Commission Expires



SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATE MENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

dearnley-meier reporting service, inc.

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1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6 1213 FIRST NATIONAL BANK EAST • PHONE 256-1294

PAGE 5

NEW MEXICO OIL CONSERVATION COMMISSION

### REGULAR HEARING

### SANTA FE , NEW MEXICO

Page

9 A.M. TIME: October 13, 1965 HEARING DATE LOCATION: **REPRESENTING:** NAME: Forming to mm Plaster . he E Mar Farmingto, MM Rectalladit Medland Tepos attache Ref. Co. W.H. Setton Pan anarcanty Jac Sugara Oily Jac & L. Shaemikay mulles quidland Mowood Corp. RZ Matherrow Cities Service Oct medland Dick Booker Midland, Tel SINCLAR REFINIDE CO. W. T. SHIREY Grobic Die Co RL Denton Pallus Sun kil Co LC McCollock Dexaco Inc. Houston AN Elsik Musland ley Millin1 Dug Dil Comp Senta De RW Byrand Co. N. Duburne EL Paso NAT. GAS EL PASO, TEXAS BEN Bayel O-C-C a Ri Kandicate auter

REGISTER

Page 2 NEW MEXICO OIL CONSERVATION COMMISSION REGULAR HEARING SANTA FE NEW MEXICO REGISTER HEARING DATE OCTOBER 13, 1965 9 A.M. TIME: NAME : LOCATION: **REPRESENTING:** Energe denk 20 Faro notwol 500 Formington, n. m.

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MENICO

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

> CASE NO. 3319 ORDER NO. R-225

THE APPLICATION OF THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING, CONTRACTING VERTICAL LIMITS, AND EXTENDING 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 o'clock a.m. on October 13, 1965, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this day of October, 1965, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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 subject matter thereof.

(2) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Bough C formation, said pool to bear the designation of East Bagley-Pennsylvanian Pool. Said East Bagley-Pennsylvanian Pool was discovered by Coastal States Gas Producing Company, Pan American State No. 1, located in <del>the SN/4</del>, Unit L of Section 5, Township 12 South, Range 34 East, NMPM. It was completed in Bough C on August 6, 1965. The top of perforations is 9982 feet.

 $\checkmark$  (3) That there is need for the creation of a new pool in Lea Ccunty, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation of Buckeye-Abo Pool. Said Buckeye-Abo Pool was discovered by Hanagan Petroleum Corporation, Superior A State No. 1, located in the SW/4, Unit L of Section 2, Township 18 South, Range 35 East, NMPM. It was completed in Abo on August 5, 1965. The top of perforations is 9010 feet.

(4) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Wolfcamp formation, said pool to bear the designation of Gedar Hills-Wolfcamp Gas Pool. Said Cedar Hills-Wolfcamp Gas Pool was discovered by Harvey E. Yates, Cedar Hills State No. 1, located in the SE/4, Unit I of Section 15, Township 21 South, Range 27 East, NMFM. It was completed in Wolfcamp on July 29, 1964. The top of perforations is 9558 feet.

(5) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Cinta Roja-Morrow Gas Pool. Said Cinta Roja-Morrow Gas Pool was discovered by Midwest Oil Corporation, Custer Mountain Unit No. 1, located in the SW/4, Unit K of Section 9, Township 24 South, Range 35 East, NMPM. It was completed in Morrow on May 17, 1964. The top of perforations is 14,254 feet.

Diffust there is need for the creation of a new pool in Lea County New Merico for the production of oil from the Pounsylvanian (Yough C) formation the designation of Last Hightower pool to - Upper Vennselvanian East Hightower Mennsylvanian Fool was descovere No./ located in Uni OMPANY HT 12 Jouth Kange Was Con - 33 y Wantan ( Jough C)

-2-@ASE NO. 3319 ORDER NO. R-\_\_\_\_

of Section 25, Township 12 South, Range 33 East, NMPM, with special vertical limits defined as from the top of Pennsylvanian at 9750 feet to a point at 10,010 feet as in Shell Gil Company's HT State No. 1 located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. It was completed in Pennsylvanian (Bough C) on August 13, 1965. The top of perforations is 9848 feet.

(7) That there is need for the contraction of the vertical limits of the East Hightower-Pennsylvanian Pool in Lea County, New Mexico, because of a separate reservoir discovered above said East Hightower-Pennsylvanian Pool. The special vertical limits are defined as being from a point at 10,010 feet to the base of the Pennsylvanian formation in Shell Oil Company's HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Further, redesignate said pool as the East Hightower-Lower Pennsylvanian Pool.

(8) That there is need for certain extensions to the Leslie Spring San Andres Pool in Chaves County, New Mexico, the Artesia Queen-Grayburg-San Andres Pool, the Dagger Draw Morrow Gas Pool, the Getty-Morrow Gas Pool, the North Hackberry-Yates Pool, the Henshaw-Wolfcamp Pool, the Lusk-Strawn Pool, the Shugart Pool, and the Square Lake Grayburg-San Andres Pool, all in Eddy County, New Mexico, the Inbe-Pennsylvanian Pool, the Jenkins-Cisco Pool, the King-Devonian Pool, the Middle Lane-Pennsylvanian Pool, the Monument-Tubb Pool, the Triste Draw-Delaware Pool, the North Vacuum-Abo Pool, and the Vacuum-Upper Pennsylvanian Pool, all in Lea County, New Mexico, and the Todd-San Andres Gas Pool in Roosevelt County, New Mexico.

### IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Bough C production, is hereby created and designated as the East Bagley-Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM SECTION 5: SW/4

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

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM SECTION 2: SW/4

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

> TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM SECTION 15: SE/4

(d) That a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production, is hereby created and designated as the Cinta Roja-Morrow Gas Pool, consisting of the following described area:

> TOWNSHIP 24 SOUTH, RANGE 35 EAST, NMPM SECTION 9: SW/4

(e) That a new pool in Lea County, New Mexico, classified as an on
pool for Pennsylvanian (Bough C) production, is hereby created and
designated as the East Hightower-Upper Pennsylvanian Peol,
consisting of the following described area
Township 12 South Range 33 East NIMPM.
Section 25: SELL

Special vertical limits, top pool-top of Pounsylvanian format at 9750 feet, bottom pool at 10,010 feet. Type 109 Shell Oil Company HT State No.1, located in Unit Pol Section 25, Jouth, Nange 33

-3-CASE NO. 3319 ORDER NO. R-

Pool in Lea County, New Mexico, with special vertical limits defined as being from a point at 10,010 feet to the base of the Pennsylvanian formation as in Shell Oil Company's HT State No. 1, located in Unit P of Section 25, Township 12 South, Range 33 East, NMPM. Further, redesignate said pool as the East Hightower-Lower Pennsylvanian Pool.

(g) That the Artesia Queen-Grayburg-San Andres Pool in Eddy County, Yew Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM SECTION 31: S/2 NW/4 and NE/4

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

TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM SECTION 6: N/2

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

> TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM SECTION 23: E/2 SE/4 SECTION 25: N/2 NW/4 SECTION 26: NE/4 NE/4

(j) That the North Hackberry-Yates Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 17: SW/4 and SE/4 NW/4

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

> TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM SECTION 26: N/2 NE/4

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

> TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: NW/4

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 13: N/2

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

> TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 25: NE/4

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

TOWNSHIP 14 SOUTH, RANGE 37 EAST, NMPM SECTION 2: S/2 NE/4 and SE/4

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

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NNPM SECTION 10: SE/4 -4--CASE NO. 3319 ORDER NO. R-

(p) That the Leslie Spring-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is nereby extended to include therein:

#### TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM SECTION 26: SW/4 NW/4

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

> TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM SECTION 14: E/2 SECTION 27: S/2 SECTION 34: NW/4

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

> TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM SECTION 11: NW/4 and W/2 SE/4

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

TOWNSHIP 18	SOUTH, RANGE 31 EAST, NMPM
SECTION 27:	N/2 NW/4, SW/4 NW/4, NW/4
·	SW/4, and $S/2 SW/4$
SECTION 28:	$E/2r^{t}$
SECTION 33:	N/2

(t) That the Square LakeXGrayburg-San Andres Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

#### TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM SECTION 27: NW/4 SE/4

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

> TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM SECTION 22: All SECTION 23: All SECTION 24: W/2

(v) That the Triste Draw-Delaware Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM SECTION 34: E/2 SECTION 35: SW/4

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 NE/4 and NW/4

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

> TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 25: N/2 NE/4

CASE NO. 3319 ORDER NO. R-\_\_\_\_

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## IT IS FURTHER ORDERED:

That the effective date of this order and all creations, contractions of vertical limits, and extensions included herein shall be November 1, 1965.

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

> STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

> JACK M. CAMPBELL, Chairman

Guyton B. Hays, Member

A. L. Porter, Jr., Member & Secretary

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