

Case No.

1311

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Application, Transcript,  
Small Exhibits, Etc.

CASE 1311:

SOUTHEASTERN NEW MEXICO  
NOMENCLATURE

Case 1311

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BEFORE THE  
OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
Santa Fe, New Mexico

September 18, 1957

TRANSCRIPT OF HEARING

Case 1311

DEARNLEY - MEIER & ASSOCIATES  
INCORPORATED  
GENERAL LAW REPORTERS  
ALBUQUERQUE, NEW MEXICO  
3-6691 5-9546

BEFORE THE  
OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
Santa Fe, New Mexico

September 18, 1957

IN THE MATTER OF:

Case 1311

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

(a) Create a new oil pool for Pennsylvanian production, designated as the North Bagley-Pennsylvanian Oil Pool, and described as:

TOWNSHIP 11 SOUTH, RANGE 33 EAST  
Section 10: NW/4

(b) Create a new gas pool for Queen production, designated as the Vacuum-Queen Gas Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 34 EAST  
Section 10: SE/4

(c) Create a new oil pool for Devonian production, designated as the East Echol-Devonian Pool, and described as:

TOWNSHIP 11 SOUTH, RANGE 38 EAST  
Section 16: NE/4

(d) Create a new oil pool for San Andres production, designated as the Foster-San Andres Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 39 EAST  
Section 5: NW/4

(e) Contract the East Hobbs-San Andres Pool by the deletion therefrom of:

TOWNSHIP 18 SOUTH, RANGE 39 EAST

Section 31: S/2 N/2

Section 32: S/2 N/2 and S/2

- (f) Extend the Warren-McKee Pool to include:

TOWNSHIP 20 SOUTH, RANGE 38 EAST

Section 7: NW/4 and S/2

Section 8: SW/4

Section 17: W/2

Section 18: All

Section 19: N/2 NE/4

Section 20: N/2 NW/4

- (g) Abolish the North Warren-McKee Pool (horizontal limits the same as extension in Paragraph (f)).

- (h) Extend the Bagley-Upper Pennsylvanian Gas Pool to include:

TOWNSHIP 20 SOUTH, RANGE 37 EAST

Section 4: NE/4

- (i) Extend the Eumont Gas Pool to include:

TOWNSHIP 20 SOUTH, RANGE 37 EAST

Section 12: S/2 NW/4

- (j) Extend the Hackberry-Yates Pool to include:

TOWNSHIP 19 SOUTH, RANGE 30 EAST

Section 36: S/2 NE/4

- (k) Extend the Millman Pool to include:

TOWNSHIP 19 SOUTH, RANGE 28 EAST

Section 17: NW/4 NW/4

- (l) Extend the Red Lake Pool to include:

TOWNSHIP 18 SOUTH, RANGE 27 EAST

Section 7: NW/4

- (m) Extend the Vacuum Pool to include:

TOWNSHIP 17 SOUTH, RANGE 34 EAST

Section 2: NE/4

BEFORE:

Mr. A. L. Porter  
Mr. Murray Morgan  
Honorable Edwin L. Mechem

TRANSCRIPT OF HEARING

MR. PORTER: The Commission will consider next Case 1311.

MR. COOLEY: Southeastern New Mexico nomenclature case calling for an order creating new pools and the abolishment, extension and contraction of certain pools in Lea and Eddy Counties, New Mexico. (Witness sworn.)

JOHN W. RUNYAN

called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

By MR. COOLEY:

Q State your name and position, please.

A John W. Runyan, Geologist for the New Mexico Oil Conservation Commission.

Q Mr. Runyan, in your official capacity as geologist for the New Mexico Oil Conservation Commission, have you had an opportunity to make a study of possible creations, abolishments, extensions and contractions of certain pools in Lea and Eddy County, New Mexico?

A I have.

Q Mr. Runyan, what are your recommendations concerning the creation of a new oil pool for Pennsylvanian production in

Township 11 South, Range 33 East?

A I recommend a new oil pool be created and be called the North Bagley-Pennsylvanian, and this is due to the discovery of the Texas Pacific Coal and Oil J. P. Carter No. 1 in Unit F of Section 10, Township 11 South, 33 East, completed in Pennsylvanian, 7-17, 1957, the top of the perforation 10,070 feet.

Q What would you recommend as the horizontal limits of the North Bagley-Pennsylvanian Oil Pool?

A The northwest quarter of Section 10, Township 11, Range 33 East.

Q Mr. Runyan, have you made a study for the creation of a new gas pool for Queen production?

A I have.

Q In Township 17 South, 34 East?

A I have. And I recommend that a new pool be created called the Vacuum-Queen Gas Pool, and the purpose of this creation is the discovery of S. P. Yates Shell Anglo State A No. 1 in Unit I of Section 10, Township 17 South, Range 34 East, completed in the Queen 4-1, 1957, top of perforation, 3,890 feet, and the horizontal boundary will be the southeast quarter of Section 10.

Q Have you also made a study for the creation of a new oil pool for Devonian production in Township 11 South, Range 38 East?

A I have. I recommend a new pool be created called the East Echol-Devonian, and this is due to the discovery of Amerada Petroleum Corporation State E. C. No. 1 in Unit B, Section 16.

Township 11 South, Range 38 East, completed in the Devonian the 6-14, 1957, top of perforation 12,021 feet, and the proposed horizontal boundary is the northeast quarter of Section 16.

Q Have you likewise made a study for the creation of a new oil pool for San Andres production in Township 19 South, Range 39 East?

A I have. I recommend that the new pool be created, called the Foster-San Andres, and this is due to the Newburg and Ingram Foster No. 1 in Unit D of Section 5, 1939 completed in San Andres the 7-20, 1957, top of the perforation 4,465 feet. I recommend that the horizontal boundary be the northwest quarter of Section 5.

Q Mr. Runyan, have you made a study for the contraction of the East Hobbs-San Andres Pool?

A I have. I recommend that the south half of the north half of Section 31, the south half of the north half and the south half of Section 32 be deleted from the East Hobbs-San Andres Pool.

Q Township 18 South, Range 39 East?

A Yes.

Q What is the purpose of the contraction of that pool?

A The purpose of the contraction is that the acreage to be deleted is contiguous with a new creation of the creation of the Foster-San Andres Pool. The acreage is contiguous and the acreage does not have any production from the San Andres.

Q It will keep San Andres and the newly created Foster and



San Andres separate?

A That's correct.

Q To your knowledge are there any dry holes in the area that is to be deleted?

A To my knowledge, I don't know, no, sir.

Q Mr. Runyan, have you made a study for the extension of the Warren-McKee Pool?

A Yes, I have. I recommend that it be extended as advertised.

Q What are your recommendations concerning the abolishment of the North Warren-McKee Pool?

A I recommend that this pool be abolished as advertised. The reason for the abolishment is that the horizontal and vertical limits of the North Warren-McKee Pool and the Warren-McKee Pool are contiguous and that the abolished acreage in the North Warren-McKee Pool be extended to the Warren-McKee Pool.

Q All the acreage that was formerly in the North Warren-McKee Pool will be included in the Warren-McKee Pool?

A That is correct.

Q Do you have any recommendations concerning the extension of the Bagley-Upper Pennsylvanian Gas Pool?

A I recommend it be extended as advertised.

Q What are your recommendations concerning the extension of the Eumont Gas Pool?

A I recommend it be extended as advertised.

Q Have you any recommendation concerning the extension of the

Hackberry-Yates Pool?

A I recommend it be extended as advertised.

Q What are your recommendations concerning the extension of the Millman Pool?

A I recommend it be extended as advertised.

Q Do you have any recommendations concerning the extension of the Red Lake Pool?

A I recommend it be extended as advertised.

Q What are your recommendations concerning the extension of the Vacuum Pool?

A I recommend that it be extended as advertised.

Q Do you have any further comments in this case?

A No, sir.

Q Have you prepared Exhibits A through M?

A Yes.

Q Were those prepared by you or under your supervision?

A Under my supervision.

MR. COOLEY: I would like to offer Exhibits A through M in Case 1311.

MR. PORTER: Without objection the exhibits will be admitted to the record.

Does anyone have a question of Mr. Runyan; anything further in the case? We will take the case under advisement and recess the hearing until nine o'clock tomorrow morning. (Witness excused.)

C E R T I F I C A T E

STATE OF NEW MEXICO   )  
                              : SS  
COUNTY OF BERNALILLO )

I, ADA DEARNLEY, 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 *1st* day of *October*, 1957.

*Ada Dearnley*  
Notary Public-Court Reporter

My commission expires:

June 19, 1959.

DEARNLEY - MEIER & ASSOCIATES  
INCORPORATED  
GENERAL LAW REPORTERS  
ALBUQUERQUE, NEW MEXICO  
3-6691 5-9546

Case 1311: (A) Creation of a new pool  
 Disc. Well. Texas Pacific Coal & Oil Co. J. P. Collier #1 Unit F  
 Sec. 10-11-33 Comp in Pennsylvanian 7/17/57 top perf 10,070  
 County \_\_\_\_\_ LEA \_\_\_\_\_ Pool North Bagley-Pennsylvanian  
 10-11 Pennsylvanian

TOWNSHIP	11	South	RANGE	33	East	NEW MEXICO PRINCIPAL	MERIDIAN
	6	8	4	3	2	1	
	7	9	9	10	11	12	
	13	17	18	15	14	13	
	19	20	21	22	23	24	
	26	29	28	27	26	25	
	31	32	33	34	35	36	

Purpose: To create a new pool for the inclusion of-

Texas Pacific Coal & Oil Co. J. P. Collier #1 Unit F of Sec 10-11-33  
Comp in Pennsylvanian 7/17/57 top perf 10,070

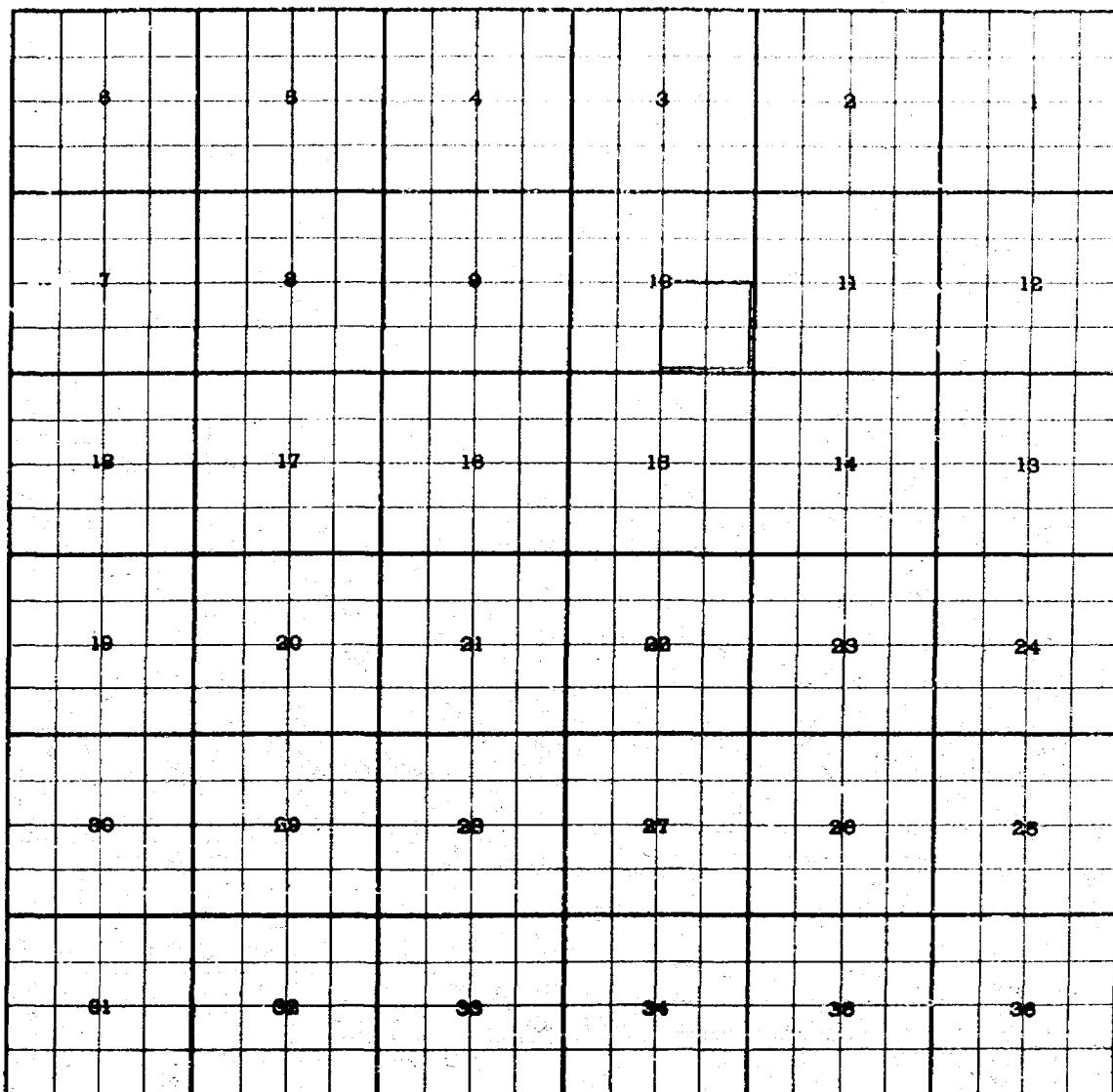
Proposed Boundary: Colored in Red NW/4 Section 10

Case 1311: (B) Creation of a new pool

County \_\_\_\_\_ LEA \_\_\_\_\_ Pool VACUUM-QUEEN - (6-7)

0-5 Queen

TOWNSHIP 17 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Create a new pool for the inclusion of-

S. P. Yates Shell Angle State A #1 in Unit I of Sec. 10-17-34  
comp in Queen 4/1/57 top perf 3890

Proposed Boundary: Colored in Red SE/4 of Section 10

Case 1311: (C) Creation of a new pool

County LEA Pool EAST ECHOLS-DEVONIAN  
12-13 Devonian

TOWNSHIP 11 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN

6	8	4	3	2	1
7	8	9	10	11	12
12	17	18	15	14	13
19	20	21	22	23	24
29	28	29	27	26	25
31	32	33	34	35	36

Purpose: Create a new pool for the inclusion of-

Amerada Petroleum Corp. State E "C" #1 in Unit B Sec. 16-11-38  
comp in Devonian 6/14/57 top perf 12,021

Proposed Boundary: Colored in Red NE/4 of Section 16

Case 1311: Creation of a new pool (D)

County LEA Pool FOSTER-SAN ANDRES

0-5 San Andres

TOWNSHIP 19 South, RANGE 39 East, NEW MEXICO PRINCIPAL MERIDIAN

	6	5	4	3	2	1
7	8	9	10	11	12	
13	17	18	19	14	15	
16	20	21	22	23	24	
26	29	30	27	28	25	
31	32	33	34	35	36	

Purpose: Create a new pool for the inclusion of-

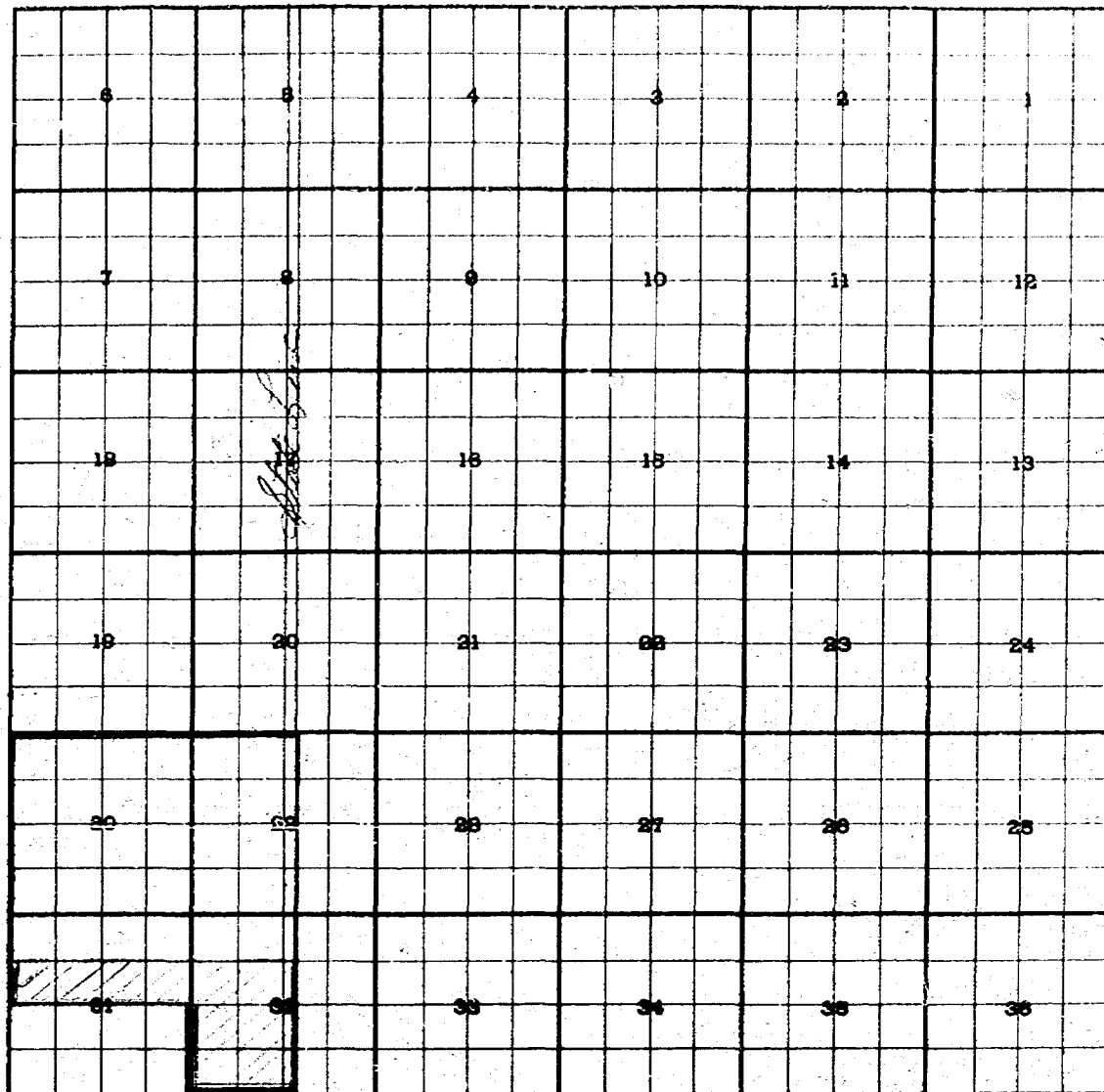
Hearburg & Ingram Foster #1 in Unit D of Section 5-19-39  
comp in San Andres 7/20/57 top perf. 4465

Proposed Boundary: Colored in Red NW/4 of Section 5

Case 1311: (2) Deletion of an existing pool

County LISA Pool EAST HOBBS-SAN ANDRES

TOWNSHIP 18 South, RANGE 39 East, NEW MEXICO PRINCIPAL MERIDIAN



Existing Boundary: Colored in Red

Proposed Deletion: Colored in Green

S/2 N/2 of Section 31

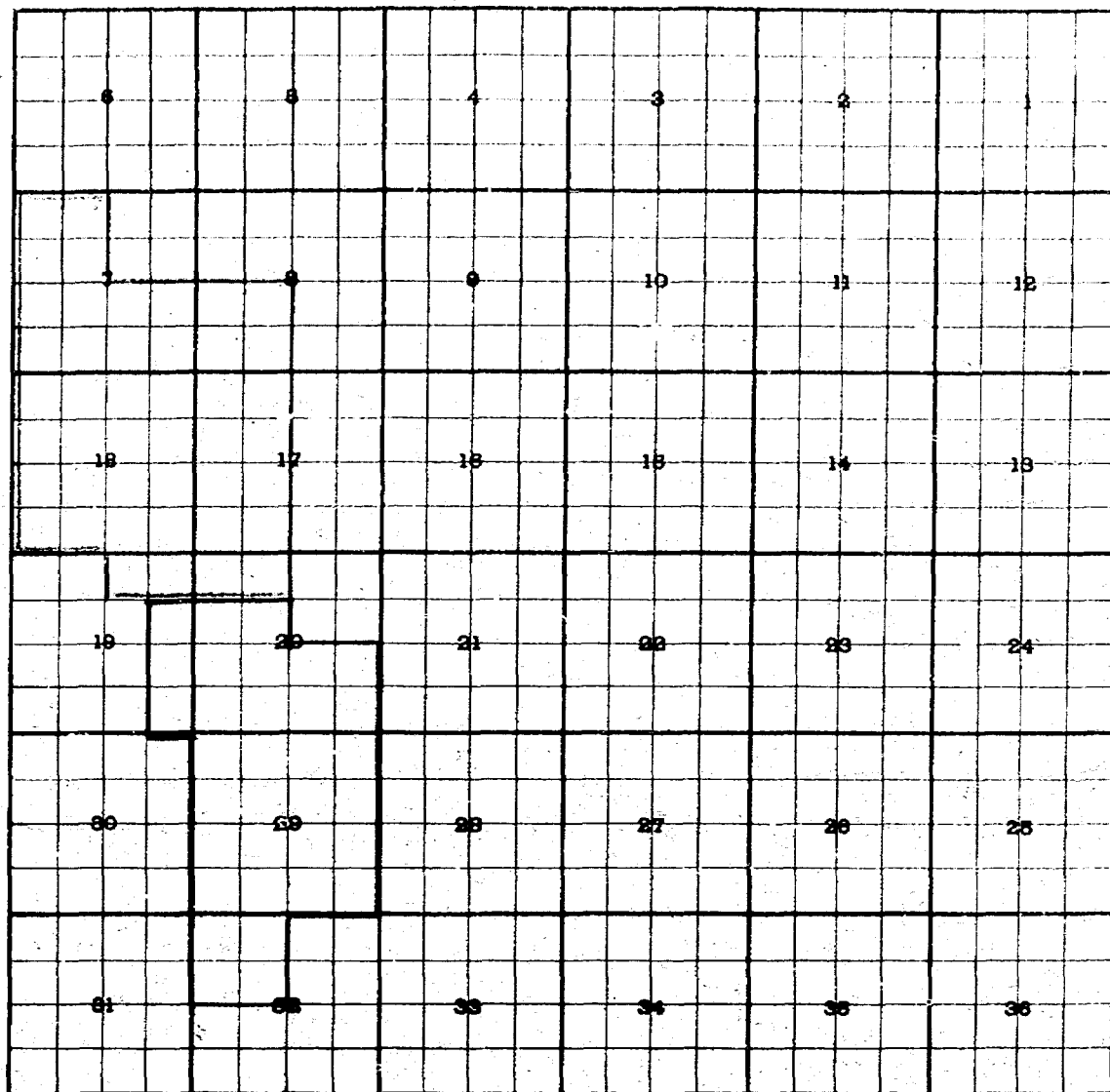
S/2 N/2 and S/2 of Section 32



Case 1311: (F) Extension of an Existing Pool

County LEA Pool WARREN-KOFE  
9-10 Simpson

TOWNSHIP 20 South, RANGE 33 East, NEW MEXICO PRINCIPAL MERIDIAN



Existing Boundary: Colored in Red

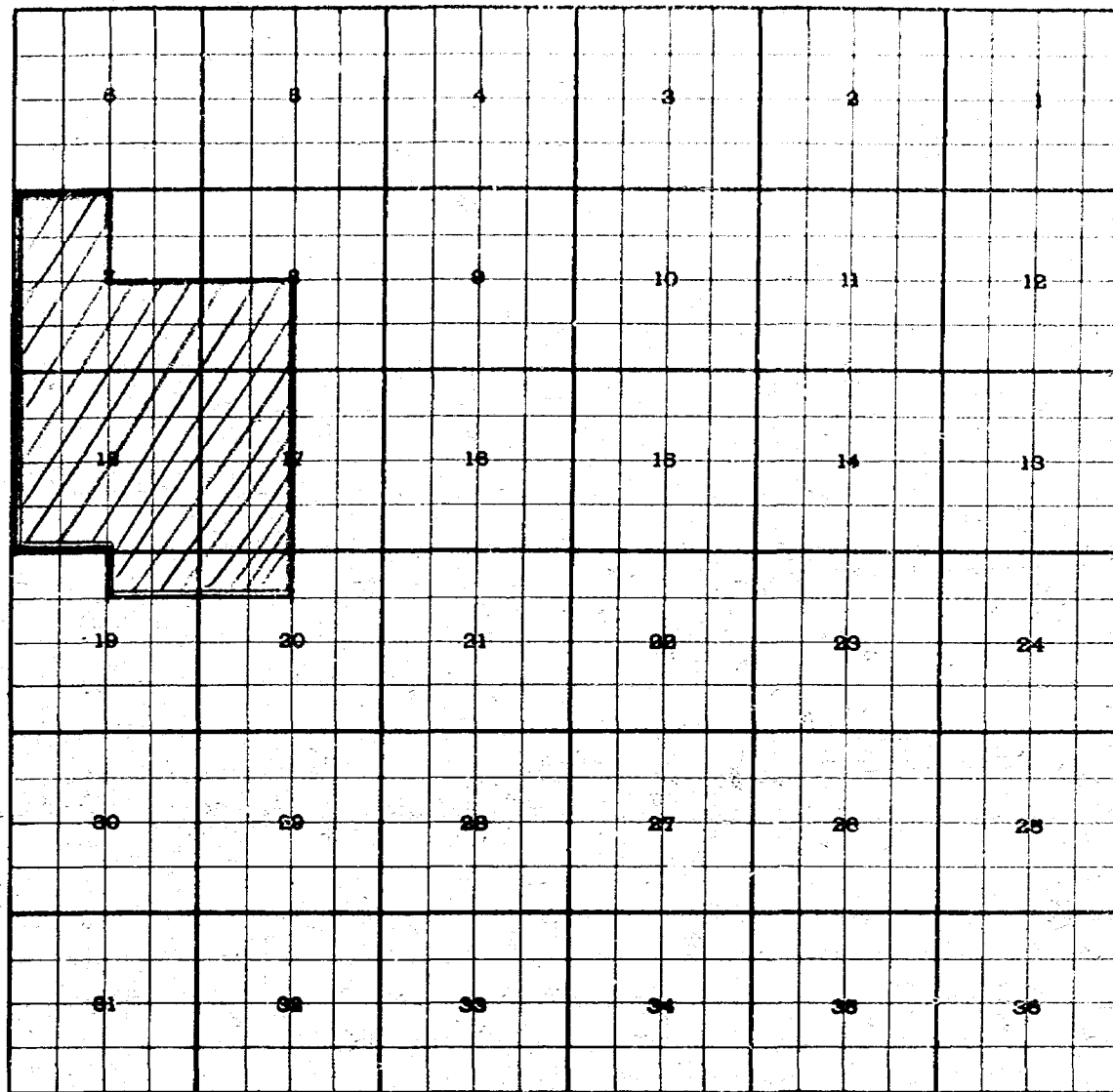
Proposed Boundary: Colored in Green

NE/4 and S/2 of Section 7  
SW/4 of Section 8  
W/2 of Section 17  
All of Section 18  
N/2 NE/4 of Section 19  
N/2 NE/4 of Section 20

Case 1311: (G) Abolishment of an existing pool

County LEA Pool NORTH WARREN-MOKEE

TOWNSHIP 20 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN



Existing Boundary: Colored in Red	
Area to be abolished Colored in Green	NW/4 and S/2 Section 7 SW/4 Section 8 W/2 Section 17 All Section 18 E/2 NE/4 Section 19 E/2 NW/4 Section 20

**Case 1311: (H) Extension of an existing pool**

County LEA Pool BAGLEY UPPER PENNSYLVANIAN GAS

TOWNSHIP 12 South, RANGE 33 East, NEW MEXICO PRINCIPAL MERIDIAN

5	6	7	8	9	10
11	12	13	14	15	16
17	18	19	20	21	22
23	24	25	26	27	28
29	30	31	32	33	34
35	36	37	38	39	40

**Purpose:** Extend the pool for the inclusion of-

Texas Pacific Coal & Oil Co. State N. M. "C" Aa/2 #1 in Unit A  
of Section 4-12-33

**Pool Boundary: Colored in Red**

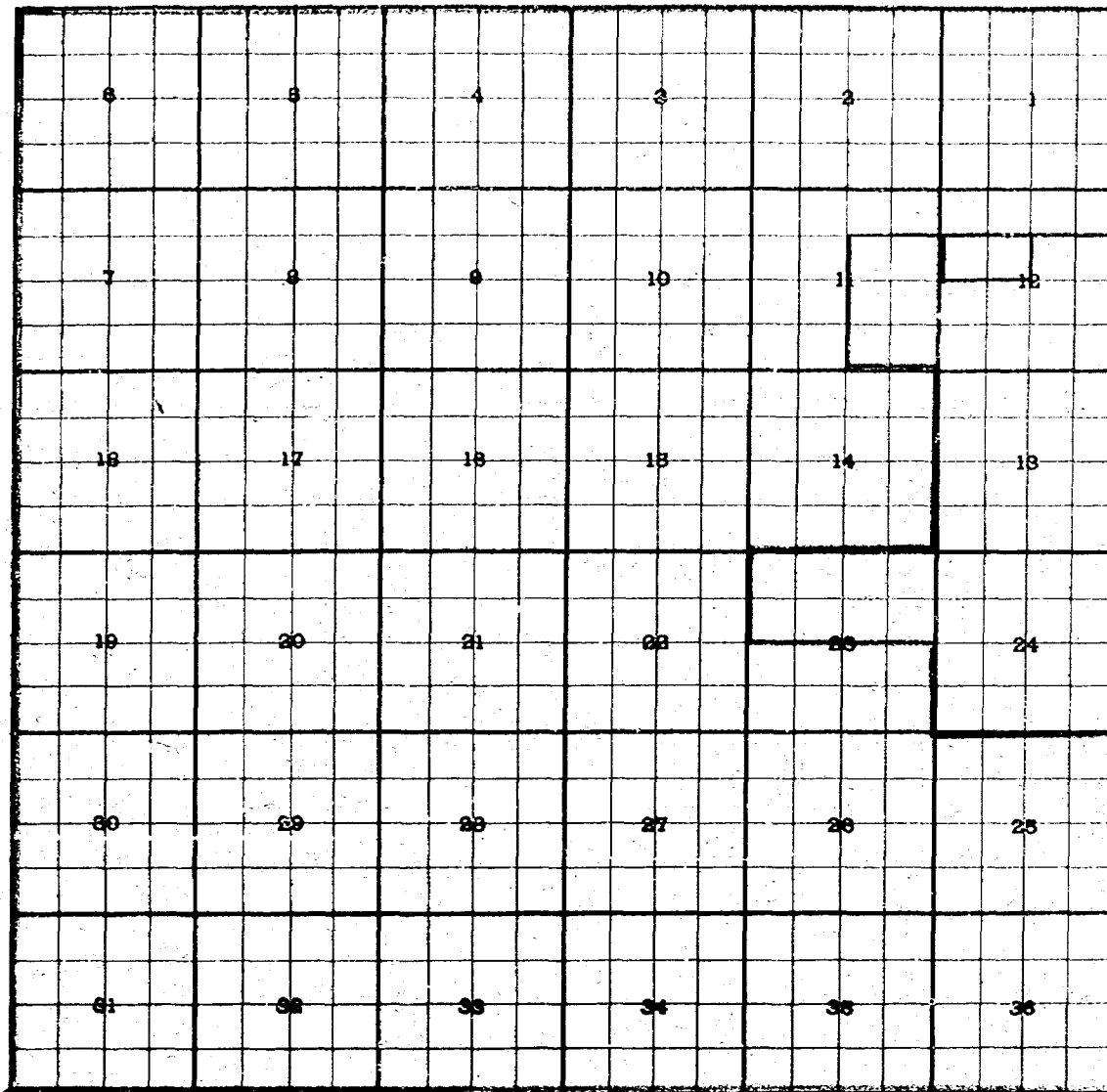
**Proposed Extension: Colored in Green**      **NE/4 of Section 4**

Based on Geologic information submitted in case No. 1220

Case 1311: (I) Extension of an existing pool

County LEA Pool EUMONT GAS

TOWNSHIP 20 *South*, RANGE 37 *East*, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool for the inclusion of-

The Texas Company C. H. Weir "A" #5 in Unit F of Sec. 12-20-37  
temp in Queen 7/10/57 top perf. 3730

Pool Boundary: Colored in Red

Proposed Extension: Colored in Green S/2 NW/4 of Section 12

**Case 1311: (J) Extension of an existing pool**

County EDDY Pool HACKBERRY-YATES  
0-5 Yates

TOWNSHIP 19 South, RANGE 30 East, NEW MEXICO PRINCIPAL MERIDIAN

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a boustrophedon pattern, starting from the top right and ending at the bottom left. A 2x2 box is located in the bottom right corner of the grid.

36	35	34	33	32	31
30	29	28	27	26	25
24	23	22	21	20	19
18	17	16	15	14	13
12	11	10	9	8	7
6	5	4	3	2	1

**Purpose:** Extend the pool for the inclusion of-

Robert L. Bussel Stanolind State #1 in Unit G of Sec. 36-19-30

Comp in Yates 5/9/57 EMB Depth of Casing Shoe 2095

**Pool Boundary: Colored in Red**

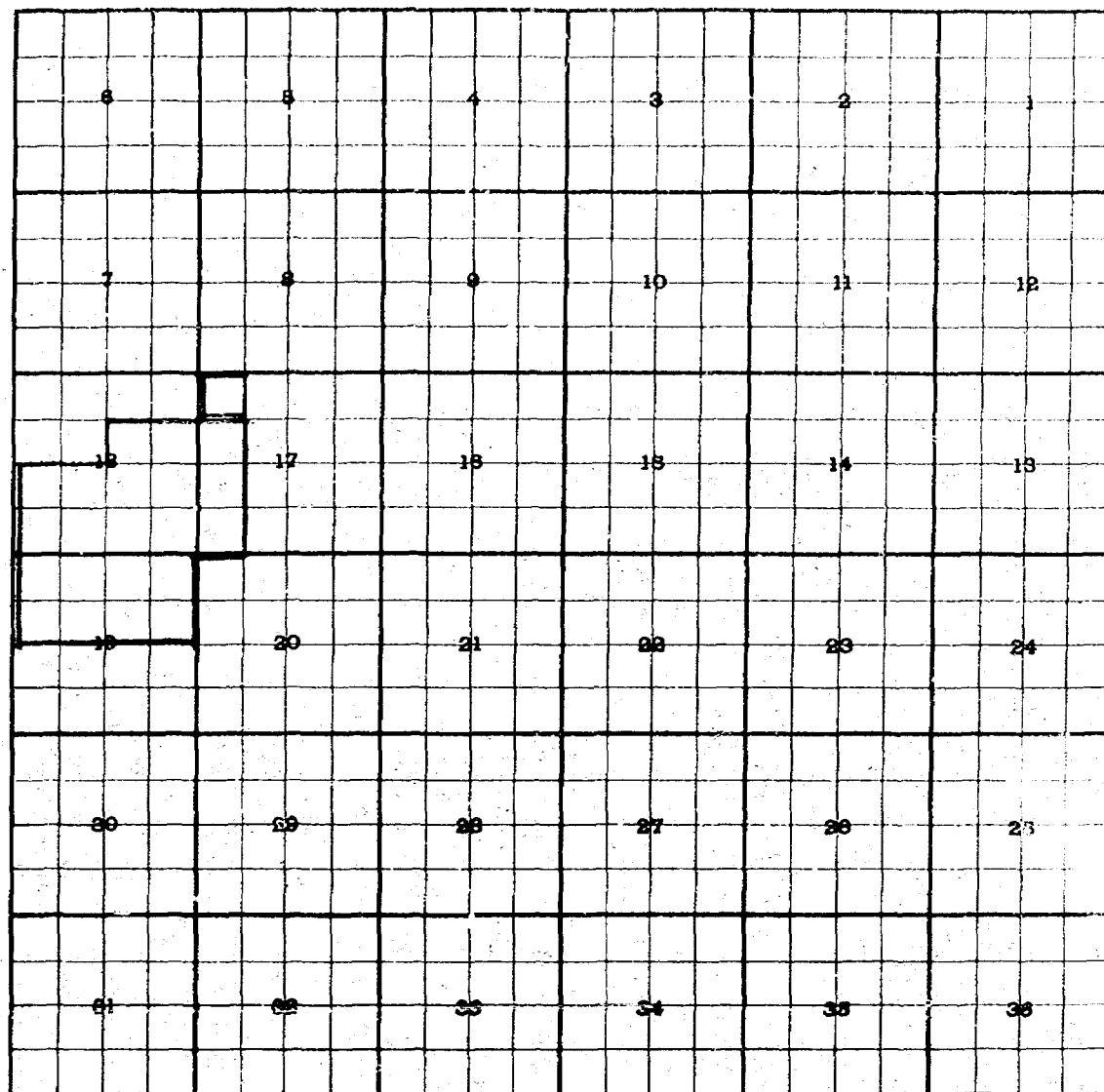
Proposed Extension: Colored in Green S/2 NE/4 of Section 36

Case 1311: (K) Extension of an existing pool

County EDDY Pool MILLMAN

O-5 Grayburg

TOWNSHIP 19 South, RANGE 28 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool for the inclusion of-

Jones Oil Company: Warren State #1 in Unit D of Sec. 17-19-28

Comp in Grayburg 7/17/57 top perf 1850

Pool Boundary: Colored in Red

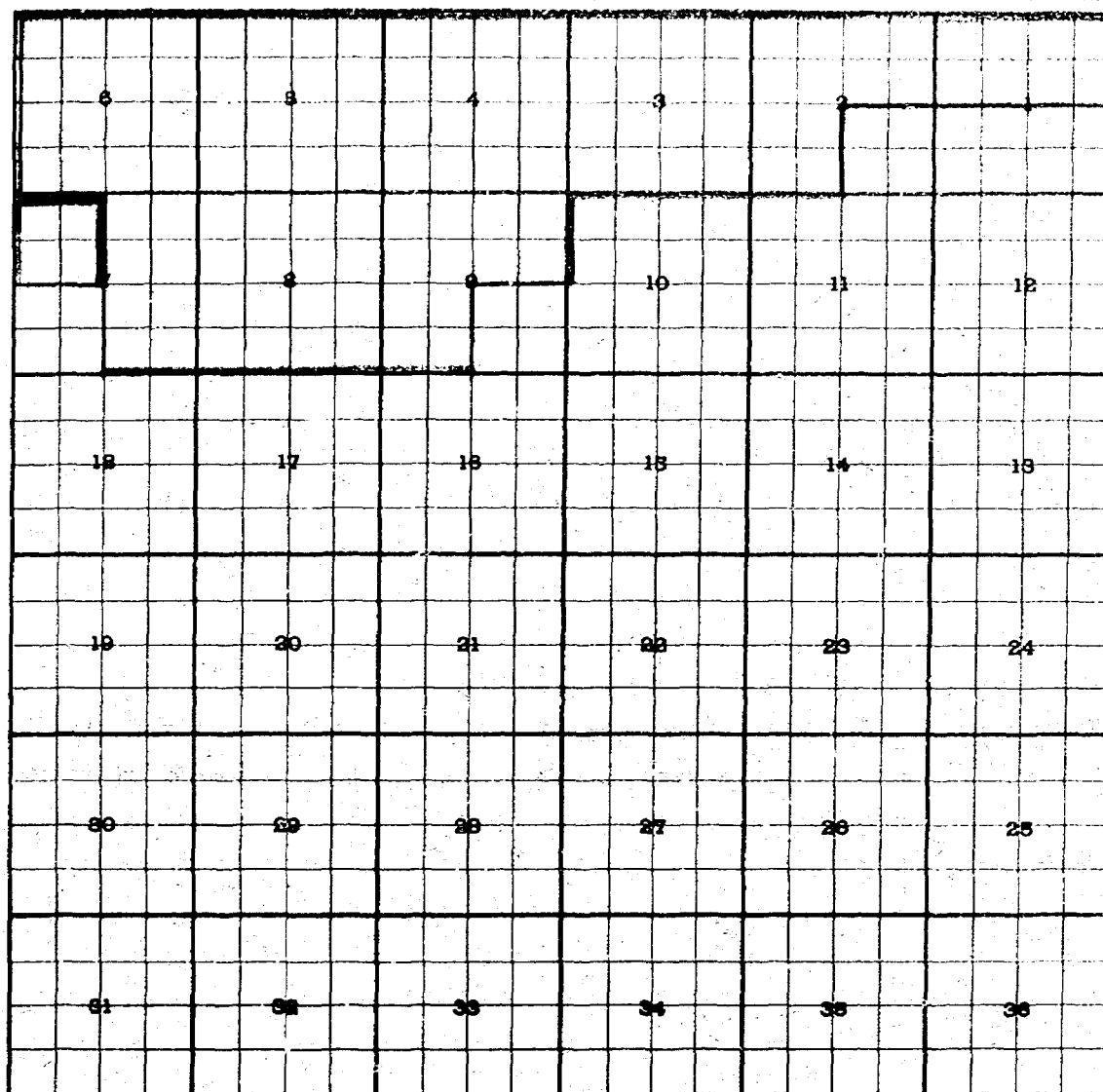
Purposed Extension: Colored in Green NW/4 NW/4 of Section 17

Case 1311: (L) Extension of an existing pool

County EDDY Pool RED LAKE

O-5 San Andres and Grayburg

TOWNSHIP 18 South, RANGE 21 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool for the inclusion of-  
Malco Refineries, Inc. William Sterling, Jr. #2 in Unit D of Sec. 7-18-27  
Comp in San Andres 6/2/57 top perf 1616  
William Sterling, Jr. #3 in Unit C of Sec. 7-18-27  
Comp in San Andres 6/14/57 top perf 1596  
William Sterling, Jr. #4 in Unit F of Sec. 7-18-27  
Comp in San Andres Slaughter 7/8/57 top perf 1724

Pool Boundary: Colored in Red

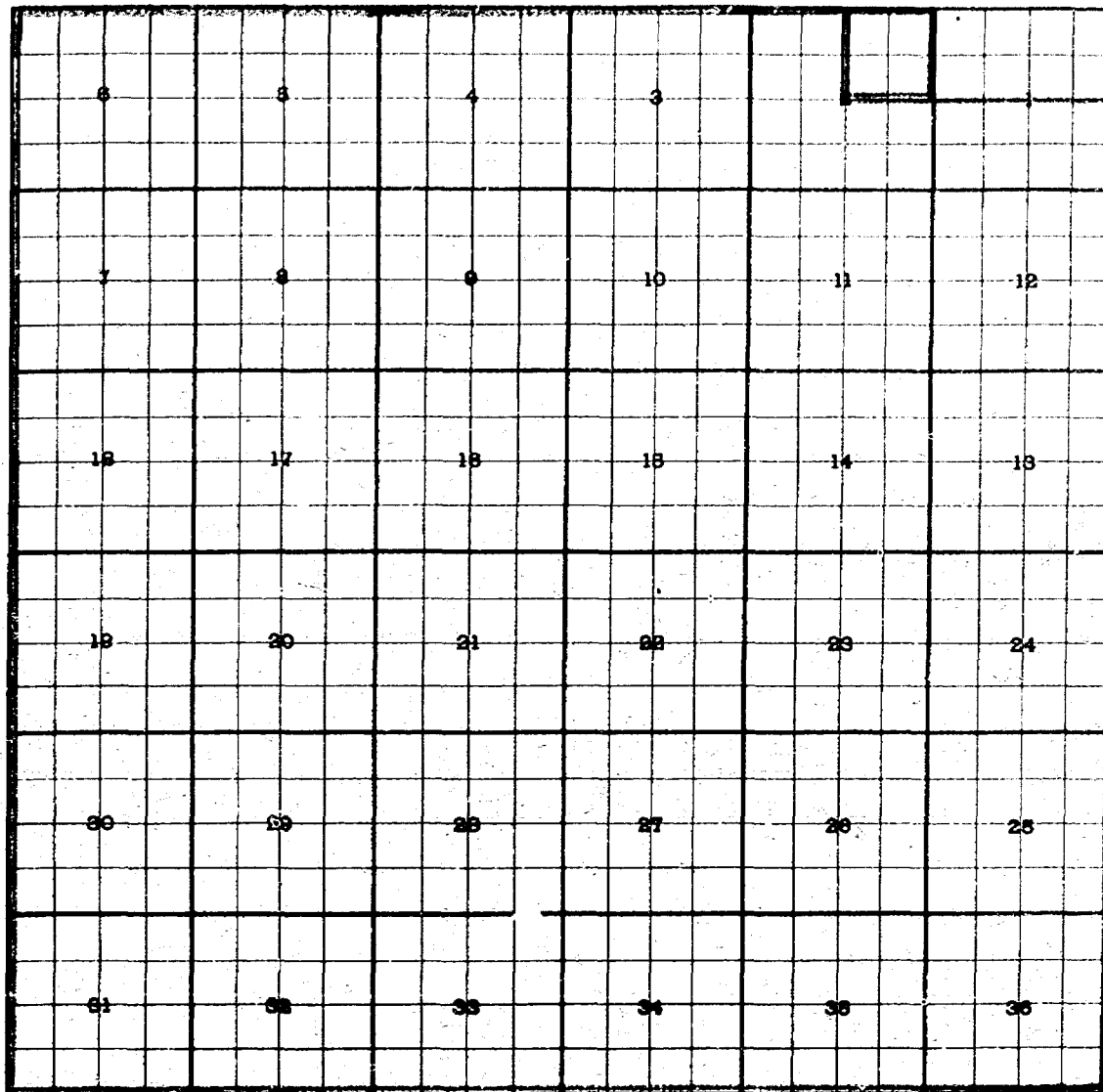
Proposed Extension: Colored in Green NW/4 of Section 7

Case 1311: (M) Extension of an existing pool

County LEA Pool VACUUM

O- San Andres & Grayburg

TOWNSHIP 17 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool for the inclusion of-

S. P. Yates Cities Angle State #4 in Unit G of Sec. 2-17-34

comp in San Andres 7/9/57 depth of Casing Shoe 4667

Pool Boundary: Colored in Red

Proposed Extension: Colored in Green NE/4 of Section 2



Case No. \_\_\_\_\_ Nomenclature Adv. for September

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the creation, abolishment, and extension of existing pools in Lea and Eddy 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, and extensions should not be made.

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production, designated as the North Bagley Pennsylvanian Pool, and described as:

Twp. 11 South, Range 33 East  
NW/4 of Section 10

and such other, etc.

(b) Create a new pool in Lea County, New Mexico, classified as a gas pool for Queen production, designated as the Vacuum-Queen Gas Pool, and described as:

Twp. 17 South, Range 34 East  
SE/4 of Section 10

and such other, etc.

(c) Create a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production, designated as the Dump-San Andres Pool, and described as:

Twp. 19 South, Range 39 East  
NW/4 of Section 5

and such other, etc.

(d) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the East Echols Devonian Pool, and described as:

Twp. 11 South, Range 38 East  
NE/4 of Section 16

and such other, etc.

(e) Abolish the North Warren McKee Pool in Lea County, New Mexico and described as follows:

Twp. 20 South, Range 38 East

SW/4 of Section 8  
NW/4 of Section 7  
S/2 of Section 7  
W/2 of Section 17  
All of Section 18  
N/2 NE/4 of Section 19  
N/2 NW/4 of Section 20

and such other, etc.

(f) Extend the Bagley Upper Pennsylvanian Gas Pool Boundary in Lea County, New Mexico, to include therein:

Twp. 12 South, Range 33 East  
NE/4 of Section 4

and such other, etc.

(g) Extend the Eumont Gas Pool Boundary in Lea County, New Mexico, to include therein:

Twp. 20 South, Range 37 East  
S/2 NW/4 of Section 12

and such other, etc.

(h) Extend the Hackberry Yates Pool Boundary in Eddy County, New Mexico, to include therein:

Twp. 19 South, Range 30 East  
S/2 NE/4 of Section 36

and such other, etc.

(i) Extend the Millman Pool Boundary in Eddy County New Mexico, to include therein:

Twp. 19 South, Range 28 East  
NW/4 NW/4 of Section 17

and such other, etc.

(j) Extend the Red Lake Pool Boundary in Eddy County,  
New Mexico, to include therein:

Twp. 18 South, Range 27 East  
NW/4 of Section 7

and such other, etc.

(k) Extend the Vacuum Pool Boundary in Lea County,  
New Mexico, to include therein:

Twp. 17 South, Range 34 East  
N/2 of Section 2

and such other, etc.

(l) Extend the Warren-McKee Pool Boundary in Lea County,  
New Mexico, to include therein:

Twp. 20 South, Range 38 East  
SW/4 of Section 8  
NW/4 of Section 7  
S/2 of Section 7  
All of Section 18  
W/2 of Section 17  
N/2 NE/4 of Section 19  
N/2 NW/4 of Section 20

and such other, etc.

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. 1311  
Order No. R-1059

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 18, 1957, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 30<sup>th</sup> day of September, 1957, 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 the 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 Pennsylvanian formation, said pool to bear the designation North Bagley-Pennsylvanian Oil Pool. Said North Bagley-Pennsylvanian Oil Pool was discovered by Texas Pacific Coal & Oil Company J. P. Collier Well No. 1, located in the SE/4 NW/4 Section 10, Township 11 South, Range 33 East, NMPM. It was completed July 17, 1957. The top of the perforations is at 10,070 feet.

(3) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Queen formation, said pool to bear the designation Vacuum-Queen Gas Pool. Said Vacuum-Queen Gas Pool was discovered by S. P. Yates Shell Angle State A Well No. 1, located in the NE/4 SE/4 Section 10, Township 17 South, Range 34 East, NMPM. It was completed April 1, 1957. The top of the perforations is at 3,890 feet.

(4) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Devonian formation, said pool to bear the designation East Echol-

Devonian Pool. Said East Echol-Devonian Pool was discovered by Amerada Petroleum Corporation State E "C" Well No. 1, located in the NW/4 NE/4 Section 16, Township 11 South, Range 38 East, NMPM. It was completed June 14, 1957. The top of the perforations is at 12,021 feet.

(5) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation Foster-San Andres Pool. Said Foster-San Andres Pool was discovered by Nearburg and Ingram Foster Well No. 1, located in the NW/4 NW/4 Section 5, Township 19 South, Range 39 East, NMPM. It was completed July 20, 1957. The top of the perforation is at 4,465 feet.

(6) That there is need for certain extensions to the Warren-McKee Pool, the Bagley-Upper Pennsylvanian Gas Pool, the Eumont Gas Pool, and the Vacuum Pool, all in Lea County, New Mexico, and to the Hackberry-Yates Pool, the Millman Pool, and the Red Lake Pool, all in Eddy County, New Mexico. Further, that there is need for the abolishment of the North Warren McKee Pool in Lea County, New Mexico, and for the contraction of the East Hobbs-San Andres Pool in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
Section 10: NW/4

(b) That a new pool in Lea County, New Mexico, classified as a gas pool for Queen production, be and the same is hereby created and designated as the Vacuum-Queen Gas Pool, consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
Section 10: SE/4

(c) That a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, be and the same is hereby created and designated as the East Echol-Devonian Pool consisting of the following described area:

TOWNSHIP 11 SOUTH, RANGE 38 EAST, NMPM  
Section 16: NE/4

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production, be and the same is hereby created and designated as the Foster-San Andres Pool, consisting of the following described area:

TOWNSHIP 19 SOUTH, RANGE 39 EAST, NMPM  
Section 5: NW/4

(e) That the East Hobbs-San Andres Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby contracted by the deletion of the following described area:

TOWNSHIP 18 SOUTH, RANGE 39 EAST, NMPM  
Section 31: S/2 N/2  
Section 32: S/2 N/2 and S/2

(f) That the Warren-McKee Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
Section 7: NW/4 and S/2  
Section 8: SW/4  
Section 17: W/2  
Section 18: All  
Section 19: N/2 NE/4  
Section 20: N/2 NW/4

(g) That the North Warren-McKee Pool in Lea County, New Mexico, as heretofore classified, defined, and described, and consisting of the following described area

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
Section 7: NW/4 and S/2  
Section 8: SW/4  
Section 17: W/2  
Section 18: All  
Section 19: N/2 NE/4  
Section 20: N/2 NW/4

be and the same is hereby abolished.

(h) That the Bagley-Upper Pennsylvanian Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

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

(i) That the Eumont Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM  
Section 12: S/2 NW/4

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

TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM  
Section 36: S/2 NE/4

-4-

Case No. 1311  
Order No. R-1059

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

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM  
Section 17: NW/4 NW/4

(l) That the Red Lake Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM  
Section 7: NW/4

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
Section 2: NE/4

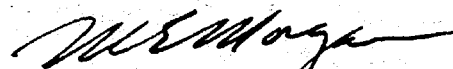
IT IS FURTHER ORDERED: That the effective date of this order and all of the creations, abolitions, extensions, and contractions included herein shall be October 1, 1957.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



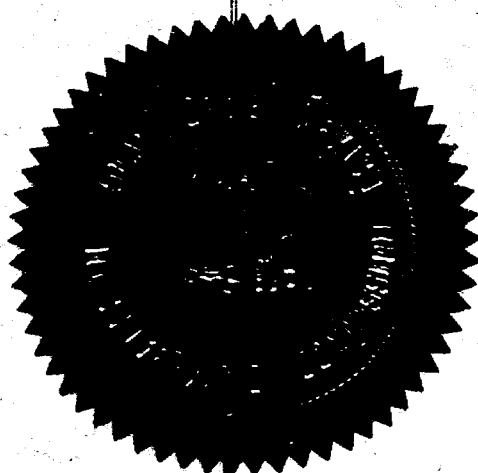
EDWIN L. MECHEM, Chairman



MURRAY E. MORGAN, Member



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



1r/