

Case No.

1238

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
April 17, 1957

IN THE MATTER OF:

Case No. 1238

TRANSCRIPT OF HEARING

DEARNLEY - MEIER & ASSOCIATES
INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE - SANTA FE
3-6691 2-2211

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
April 17, 1947

IN THE MATTER OF:

Southeastern New Mexico nomenclature case calling for the creation or abolishment of certain pools and the extension of the horizontal and vertical limits of certain existing pools in Lea, Chaves and Eddy Counties, New Mexico.

(a) Creation of a new oil pool for Pennsylvanian production, designated as the East Anderson Ranch-Pennsylvanian Pool, and described as:

Township 16 South, Range 33 East
Section 3: Lots 7, 8, 9, and 10

(b) Creation of a new oil pool for Drinkard production designated as the Arrowhead-Drinkard Pool, and described as:

Township 21 South, Range 36 East
Section 36: SW/4

(c) Creation of a new gas pool for Pennsylvanian production, designated as the Red Lake-Pennsylvanian Gas Pool, and described as:

Township 18 South, Range 27 East
Section 5: All.

(d) Extension of the Caprock-Queen Pool to include:

Township 12 South, Range 32 East
Section 21: SW/4

Township 14 South, Range 31 East
Section 17: NW/4

(e) Extension of the Corbin Pool to include:

Township 18 South, Range 33 East
Section 5: W/2 NW/4

(f) Extension of the Crosby-Devonian Gas Pool to include:

Township 25 South, Range 37 East
Section 32: NE/4

- (g) Extension of the Empire-Wolfcamp Pool to include:

Township 17 South, Range 28 East
Section 29: W/2

- (h) Extension of the Ramont Gas Pool to include:

Township 19 South, Range 37 East
Section 15: SW/4
Section 22: E/2 SW/4
Section 27: NE/4

- (i) Extension of the North Gladiosa-Devonian Pool to include:

Township 12 South, Range 38 East
Section 6: SE/4
Section 7: NE/4

- (j) Extension of the West Henshaw-Grayburg Pool to include:

Township 16 South, Range 30 East
Section 4: SW/4
Section 8: SE/4
Section 9: W/2
Section 17: N/2 NW/4

- (k) Extension of the Jalmat Gas Pool to include:

Township 22 South, Range 35 East
Section 23: SE/4

- (l) Extension of the Langlie-Mattix Pool to include:

Township 26 South, Range 38 East
Section 6: NW/4

- (m) Extension of the Lea Pool to include:

Township 20 South, Range 34 East
Section 15: SE/4

- (n) Extension of the North Shoe-Bar Devonian Pool to include:

Township 16 South, Range 35 East
Section 15: S/2 NE/4

- (o) Abolish the Shugart-Grayburg Pool in Eddy County, New Mexico.
- (p) Redefine the vertical limits of the Shugart Pool in Eddy County, New Mexico, to include the Yates, Seven Rivers, Queen and Grayburg formations.
- (q) Extension of the Square Lake Pool to include:
Township 16 South, Range 29 East
Section 36: W/2 NE/4
- (r) Extension of the Warren-McKee Pool to include:
Township 20 South, Range 38 East
Section 20: S/2 NW/4
- (s) Extension of the Young Pool to include:
Township 18 South, Range 32 East
Section 16: SW/4 and S/2 NW/4

Case No. 1238

Before:

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

TRANSCRIPT OF HEARING

MR. PORTER: We will proceed with Case No. 1238.

JOHN W. RUMYAN

having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY: MR. COOLEY:

Q State your name and position please.

A John W. Rumyan, geologist for the Oil Conservation Commission.

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INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE - SANTE FE
3-6691 2-2211

Q Mr. Runyan, have you previously been qualified as an expert witness before this Commission?

A I have.

Q In you capacity as a geologist for the Oil Conservation Commission, have you had an opportunity to make a study for the creation of a new pool for oil production from the Pennsylvanian formation in Township 16 South, Range 33 East?

A I have.

Q What are your recommendations in that regard?

A I recommend that a new pool be created called the East Anderson Ranch-Pennsylvanian Pool due to the completion of Humble Oil and Refining Company's New Mexico State AQ No. 1 in Lot 9 of Section 3, Township 16 South, Range 33 East, completed on February 24, 1957, in the Pennsylvanian. Top of perforation being 10,960.

Q Have you made a study of the creation of a new pool for oil production in the Drinkard formation, Township 21 South, Range 36 East?

A I have, yes, sir. I recommend that a new pool be created called the Arrowhead-Drinkard Pool due to the completion of Gulf Oil Corporation's Harry Leonard "C" No. 10 in Unit N of Section 36, Township 21 South, Range 36 East, completed in the Drinkard on February 1, 1957, top of perforation 6,555 feet.

Q Have you made a study concerning the creation of a new gas pool for gas production from the Pennsylvanian formation in Township 18 South, Range 27 East?

A Yes, I recommend that a new pool be created called the Red Lake-Pennsylvanian Gas Pool due to the completion of Humble Oil and Refining Company's S. M. Compton No. 1 in Unit K of Section 5, completed in the Pennsylvanian on March 29, 1956. It is open hole completion, and the DCS is 9,488 feet.

Q Do you have any recommendations concerning the extension of the Caprock-Queen Pool?

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

Q What are your recommendations with regard to the Corbin Pool?

A I recommend that it be extended as advertised.

Q Do you have any recommendations concerning the Crosby-Devonian Gas Pool?

A I recommend it be extended as advertised.

Q What are your recommendations with regard to the Empire-Wolfcamp Pool?

A I recommend that it be extended as advertised.

Q Do you have any recommendations concerning the Rumont Gas Pool?

A Yes, sir, I recommend that it be extended as advertised, and also an unadvertised part, that being the East Half of the Southwest Quarter of Section 26, in Township 19, South, Range 37 East, and the West Half of the Southwest Quarter in Section 26, Township 19 South, Range 37 East.

MR. PORTER: The areas outlined in green on our exhibit were advertised?

A That is correct.

MR. PORTER: Thank you.

Q (By Mr. Cooley): What are your recommendations concerning the North-Gladiola Devonian Pool?

A I recommend that it be extended as advertised and also two unadvertised portions, those being the Northwest Quarter of Section 32, Township 11 South, Range 38 East, and the East Half of Section 5, Township 12 South, Range 38 East.

Q Do you have any recommendations concerning the extension of the West Henshaw-Grayburg Pool?

A I recommend that it be extended as advertised.

Q What are your recommendations concerning the Jalmat Gas Pool?

A I recommend that it be extended as advertised and also an unadvertised portion, being the East Half of Section 3, Township 26 South, Range 37 East.

Q What are your recommendations concerning extension of the Langlie-Mattix Pool?

A I recommend that it be extended as advertised.

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

A I recommend that it be extended as advertised.

Q What are your recommendations concerning the extension of

the North Shoe-Bar Devonian?

A I recommend that it be extended as advertised.

Q Mr. Runyan, do you have any recommendations concerning the Shugart Grayburg Pool in Eddy County, New Mexico?

A I recommend that the pool be abolished as advertised.

Q Do you have any recommendations concerning the redefinition of the Shugart Gas Pool limits in Eddy County, New Mexico?

A I recommend that the vertical limits of the Shugart Pool be extended to include the Yates, Seven Rivers, Queen, and Grayburg Formations.

Q Mr. Runyan, do you have any recommendations concerning the Square Lake Pool?

A I recommend that it be extended as advertised and also an unadvertised portion, that being the Southwest Quarter of Section 10, Township 17 South, Range 30 East.

MR. POTTER: Pardon me, did you say the Southwest Quarter of Section 10?

A Pardon me, I am sorry, it is the Northwest Quarter.

MR. POTTER: Of Section 10?

A Of Section 10.

Q (By Mr. Cooley): What are your recommendations concerning the Warren-McKee Pool?

A I recommend it be extended as advertised.

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

A I recommend that it be extended as advertised.

Q Do you have any further recommendations in this case?

A No, sir.

Q Are your exhibits lettered "A" through "S"?

A That is correct.

MR. COOLEY: I move that the Commission accept Exhibits A through S in this case to substantiate the recommendations of the witness.

MR. PORTER: Were these exhibits prepared by you and under your supervision?

A Yes, sir.

MR. PORTER: Without objection, they will be admitted. Does anyone have any questions of Mr. Runyan? Mr. Mankin.

CROSS EXAMINATION

BY: MR. MANKIN:

Q Mr. Runyan, in a portion of this case, you indicated abolishment of the Shugart Grayburg Pool. Was that occasioned by adding the Grayburg into the Shugart Pool and the area, horizontal area was the same, and therefore would allow you to abolish the Shugart Grayburg Pool, is that correct?

A The main reason for the abolishment of that particular pool, the Shugart Grayburg, was due to -- in checking on wells within the Shugart, Yates, Seven Rivers, and Queen Pools, there was found to be several old wells which had been, and were producing from the Grayburg formation, and due to the fact that these were already

producing from this pool, the Shugart Grayburg Pool was abolished those wells were included in the Shugart, Yates, Seven Rivers, Queen and Grayburg Pool, with the extension of the vertical limits of the Grayburg Formation to that.

Q So all wells that were completed in the Shugart Grayburg Pool are within the horizontal area as has been defined in the Shugart Pool, is that correct? A Yes, sir.

MR. MANKIN: That is all.

BY: MR. NUTTER:

Q Mr. Runyan, referring to your recommendation for creation of pools in Paragraphs A, B and C, do you recommend that the horizontal limits of those pools be created as advertised?

A A, B, and C?

Q Yes, sir.

A That is, the --

Q The three new pools? A That is correct, yes, sir.

MR. NUTTER: Thank you.

MR. POTTER: Anyone else have a question of Mr. Runyan?

If not, the witness may be excused. Does anyone else have anything further in this case? We will take the case under advisement.

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

ss

I, J. A. Trujillo, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal, this the 3rd day of May, 1957, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

J. A. Trujillo
NOTARY PUBLIC

My Commission Expires:

October 5, 1960

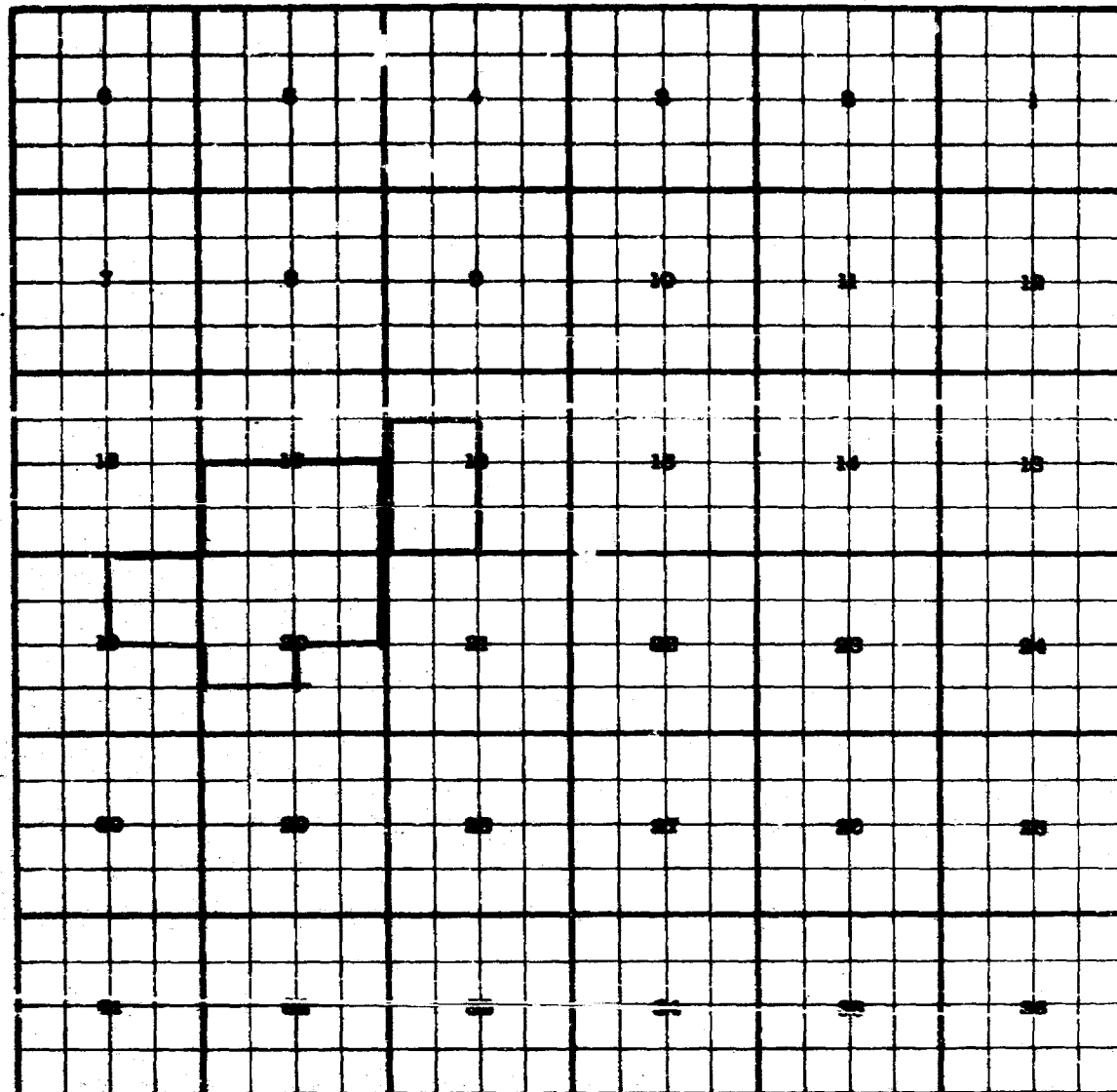
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Case 1238 : (S) Extension of an existing pool

County LEA Pool YOUNG

Queen

TOWNSHIP 18 Range 32 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of

Gulf Oil Corp. Lea State "PS" #1 in Unit E of Sec. 16-18-32 comp.
2/26/57 in Queen top perf. 3822

Existing Boundary : Colored in Red

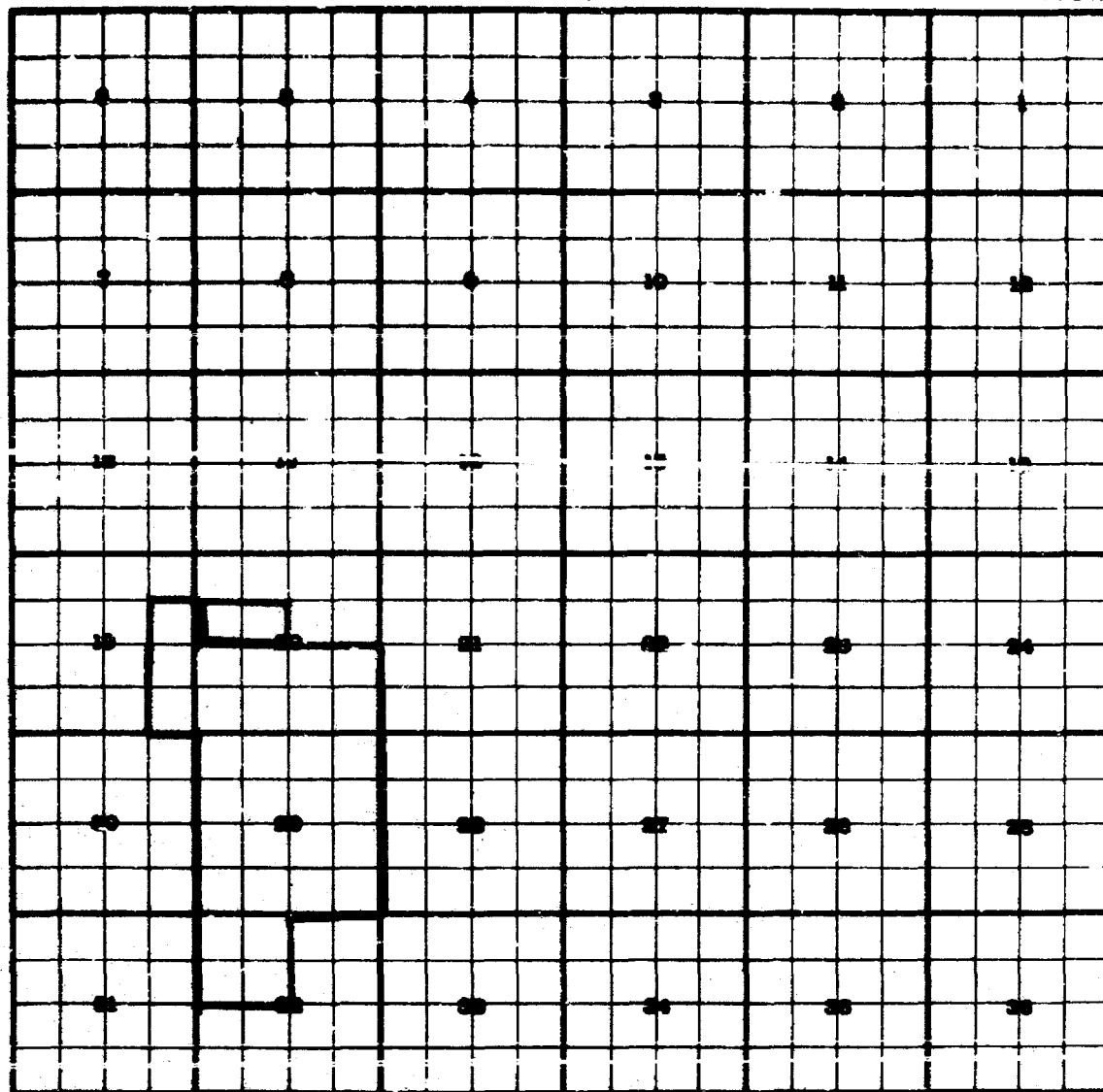
Proposed Extension: Colored in Green SW/4 & S/2 NW/4 of Sec. 16

Case 1238: (R) Extension of an existing pool

County LEA Pool WARREN-MCKEE

9-10 McKee

TOWNSHIP 20 38 NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of -

Continental Oil Co., SEMU McKee #53 in Unit E of Sec. 20-20-38 comp.

3/6/57 in McKee top perf. 9092

Existing Boundary : Colored in Red

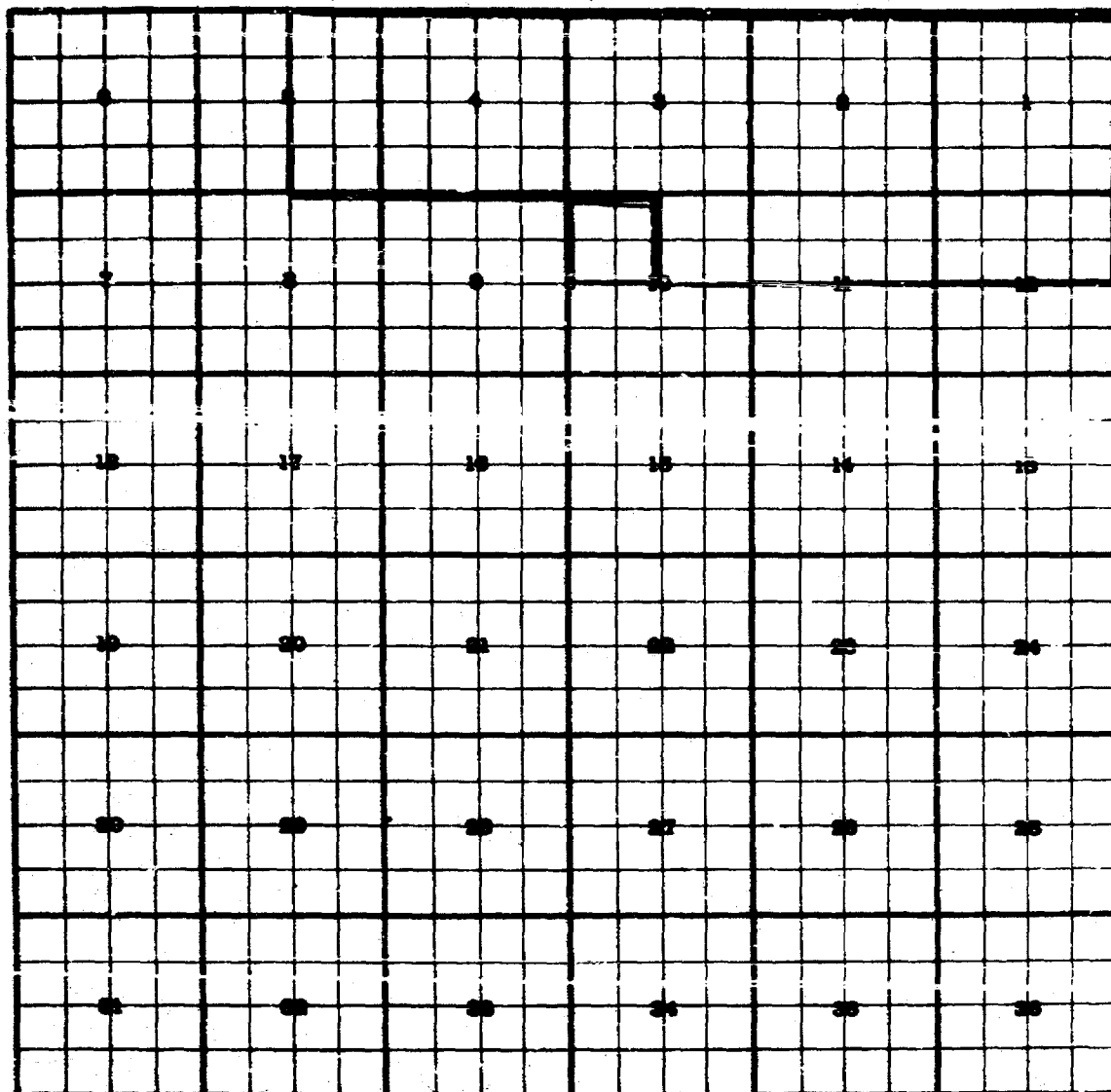
Proposed Extension: Colored in Green - S/2 NW/4 of Section 20

Case 1238 : (c) Extension of an existing pool

UNADVERTISED

County EDDY Pool SQUARE LAKE

TOWNSHIP 17 South, RANGE 30 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of

A. S. Woolley Parks H #3 in Unit D of Sec. 10-17-30 comp. in Gbg.
top perf. 2837

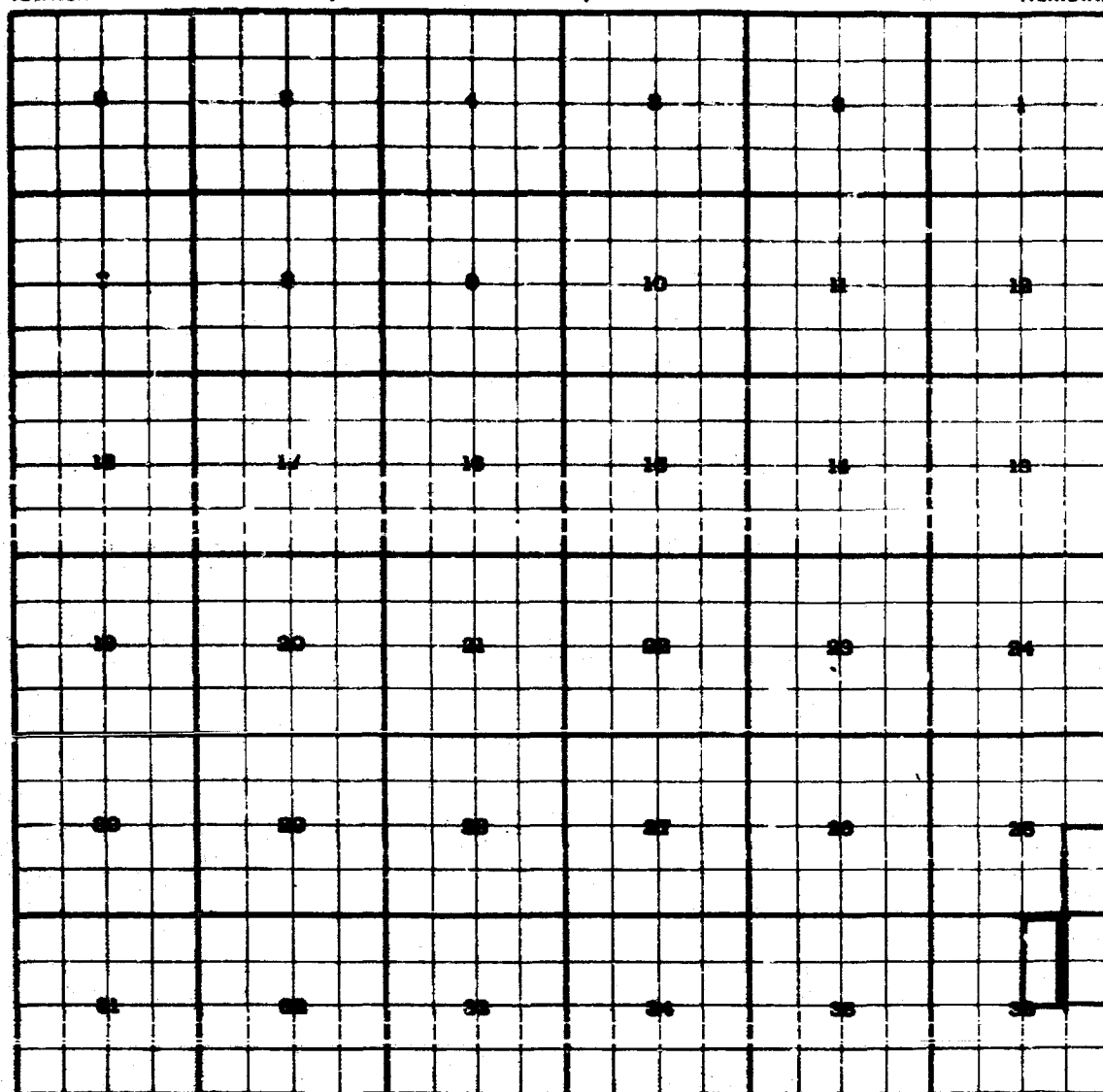
Existing Boundary : Colored in Red

Proposed Extension: Colored in Green Unadvertised NW/4 of Sec. 10

Case 1238: (Q) Extension of an existing pool

County EDDY Pool SQUARE LAKE

TOWNSHIP 16 South, RANGE 29 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of -

J. F. McAdams Gulf State #2 in Unit B of Sec. 36-16-29 comp. 2/12/57 in

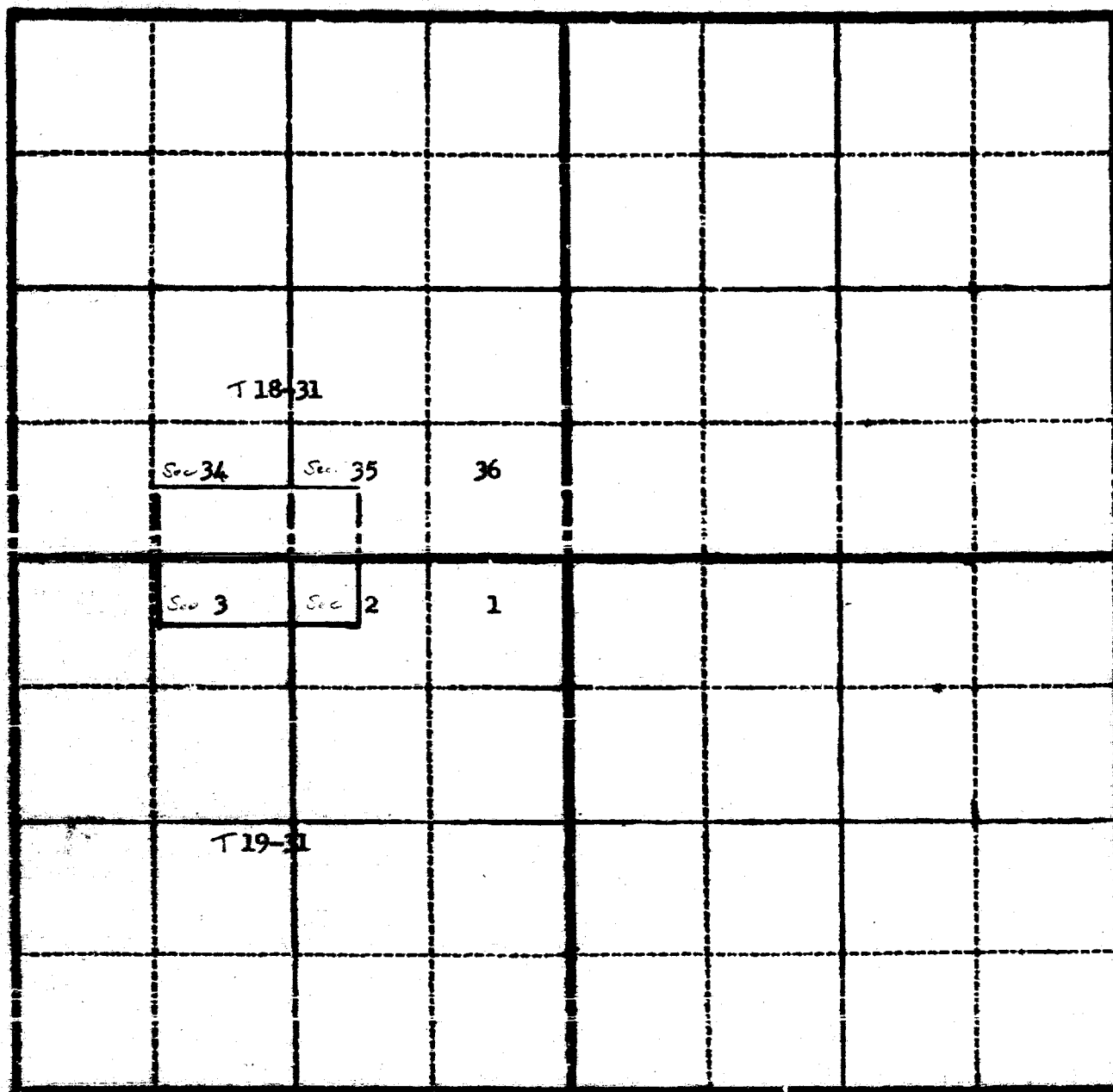
Grayburg

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green W/2 NE/4 of Sec. 36

Case 1238: (P) Redefining the vertical limits of the Shugart pool
in Eddy County to include Yates, SR Queen and Grayburg

Townships 18 and 19-31



Horizontal limits Outlined in Red T-18 R31 S/2 Sec. 34 & SW/4 Sec. 35
T19 R31 N/2 Sec. 3 & NW/4 of Sec. 2

Wells included - now outside vertical limits

Koehane, Saunders Welch & Iverson Hinkle "A" #1-A in Unit I
of Sec. 35-18-31 comp. 2/20/38 in Grayburg des. 3327

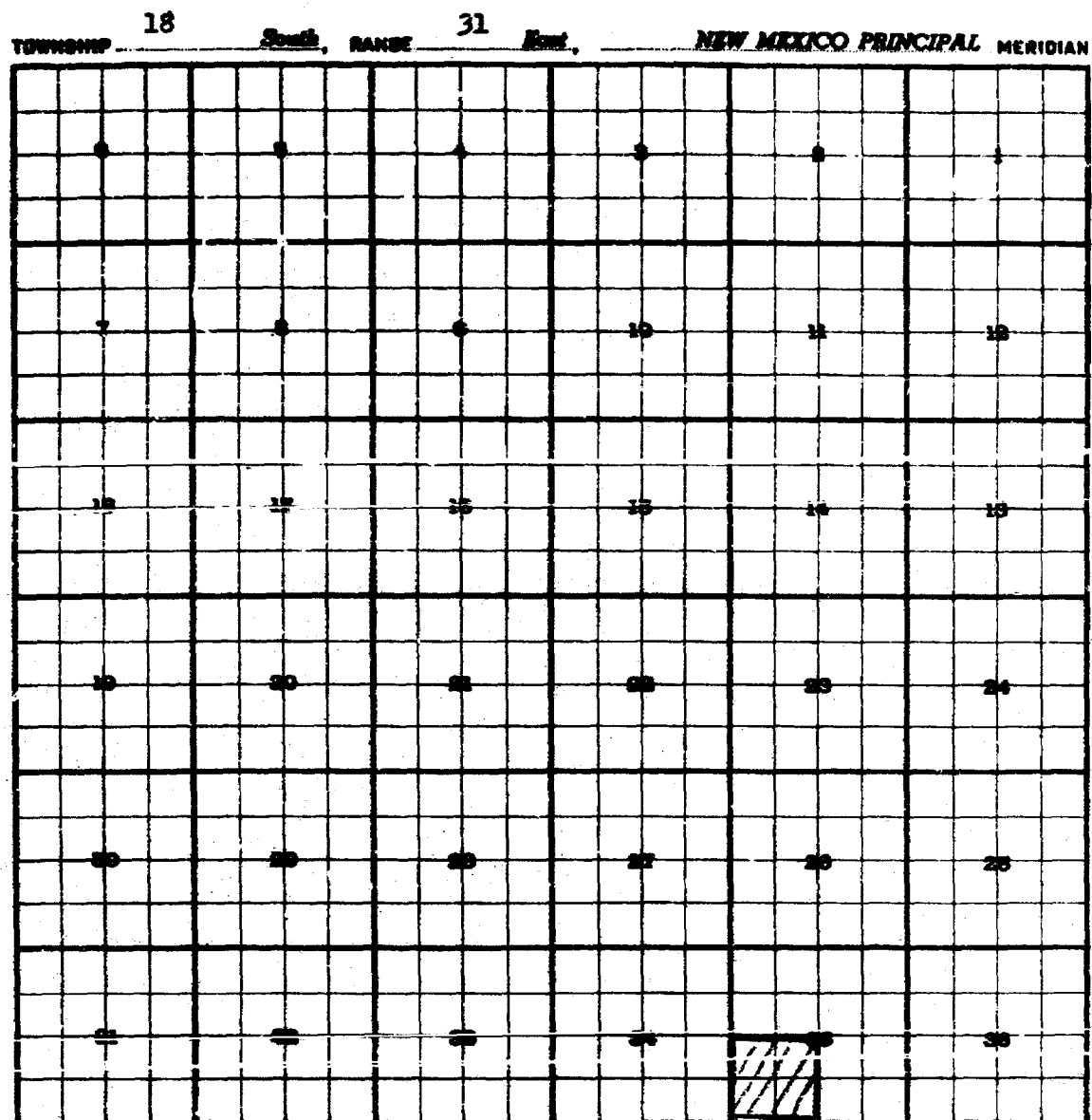
Koehane, Saunders, et al Hinkle #3-A in Unit I of Sec. 34-18-31
comp. 1/22/57 in Grayburg top perf. 3390

Koehane, Saunders, Welch and Iverson Hinkle "A" #4 in Unit M
of Sec. 35-18-31 comp. in Grayburg 7/1/55
10/11/56 top perf. 3027 285

Koehane, Saunders, Welch & Iverson Hinkle "A" #5 in Unit N 3350
of Sec. 35-18-31 comp. 4/8/57 in Grayburg top perf.

Case 1238: (0) Abolishing of a pool

County EDDY Pool SHUGART CRAYBURG



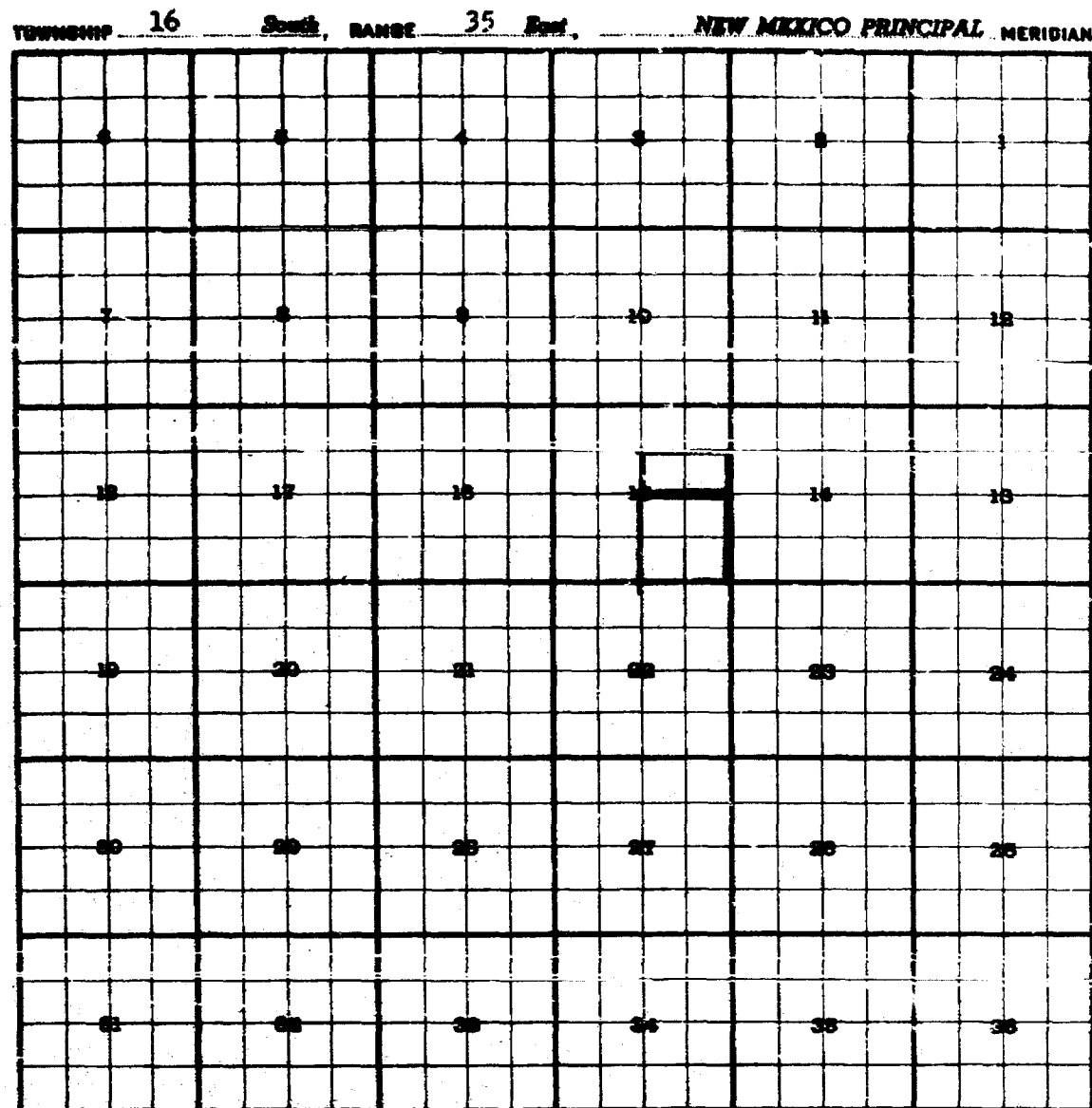
Purpose- This pool to be abolished and combined with Shugart-Par. (P)

case 1238. Horizontal limits shown in red.

Case 1238: (N) Extension of an existing pool

County LEA Pool NORTH SHOE-BAR DEVONIAN

12-13 Dev.



Purpose- To extend the pool for the inclusion of

Sinclair G. W. Nickson #1 in Unit G of Sec. 15-16-35 comp. in Dev.

2/24/57 top perf. 12,542

Existing Boundary : Colored in Red

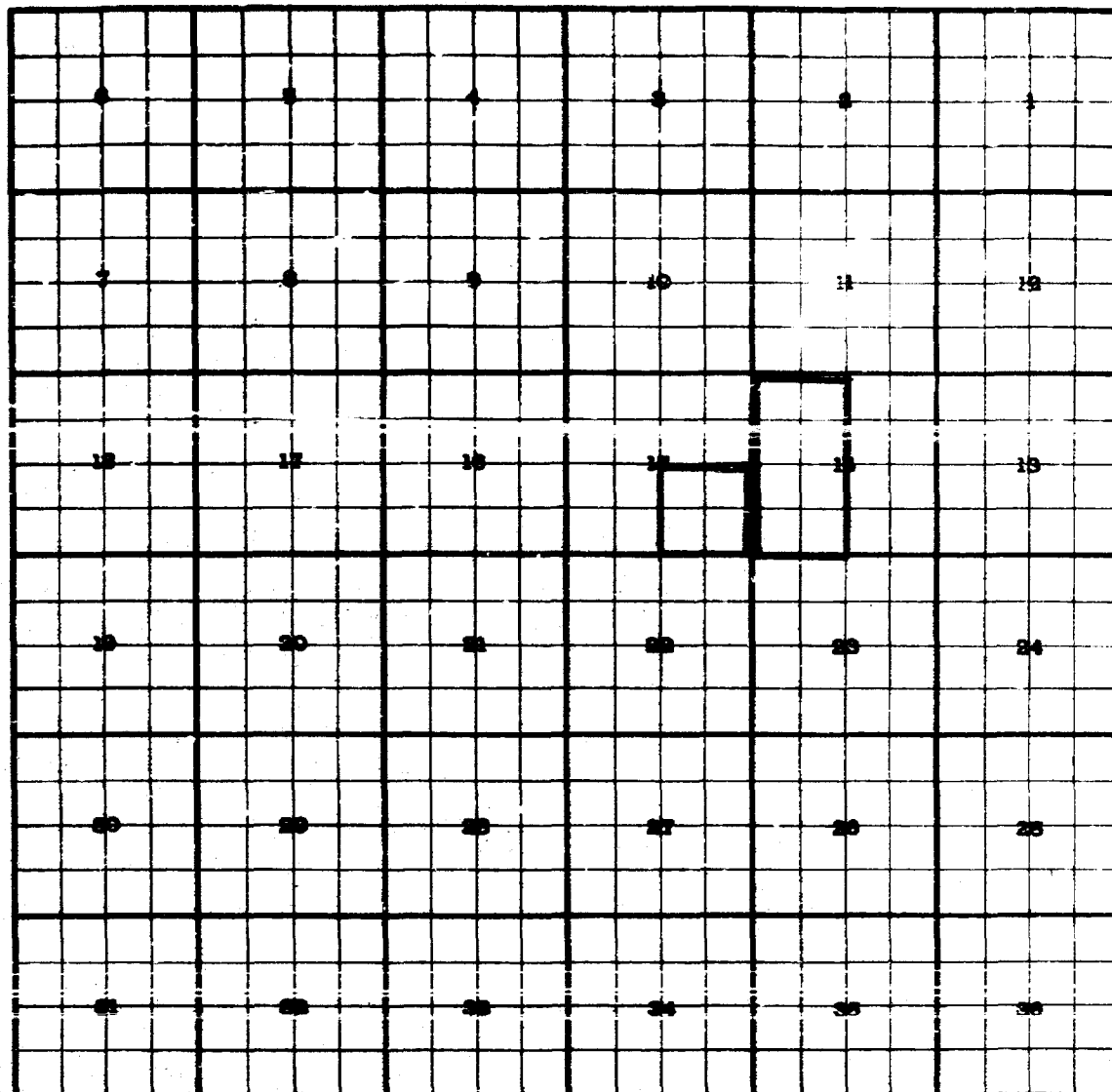
Proposed Extension: Colored in Green S/2 NE/4 Sec. 15

Case 1238; (M) Extension of an existing pool

County LEA Pool LEA

0-5 Yates

TOWNSHIP 20 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of -

Albert Gackle Hanson Federal "A" #1 in Unit I of Sec. 15-20-34

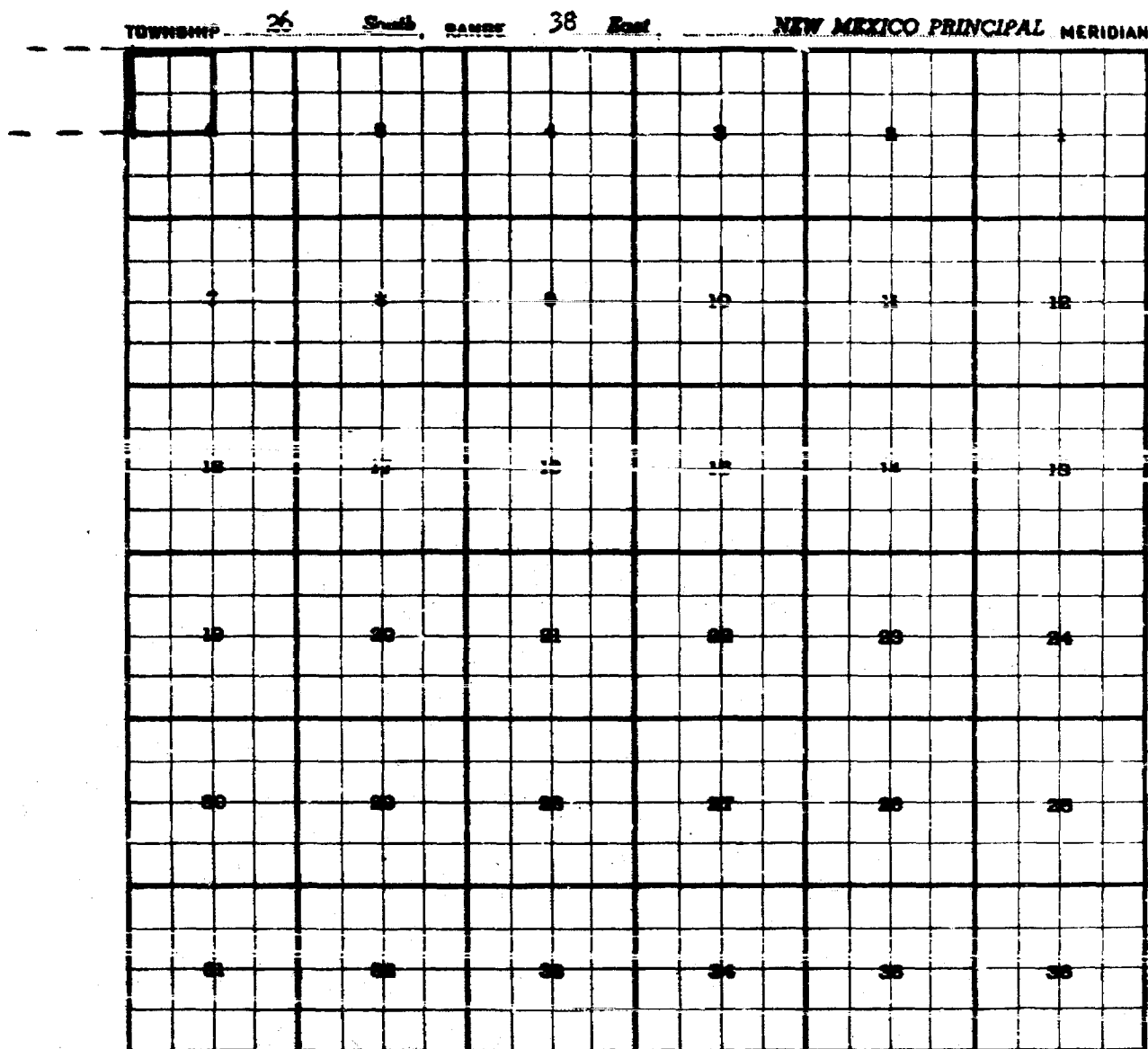
comp. in Yates 1/24/57

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green SE/4 of Sec. 15

Case 1238; (L) Extension of an existing pool

County LRA Pool LANGLIE-MATTIX



Purpose: To extend the pool for the inclusion of -

Ralph Lowe M. D. Self #3 in Unit D of Sec. 6-26-38 comp. 2/7/57 in Qu.
top perf. 3201 &

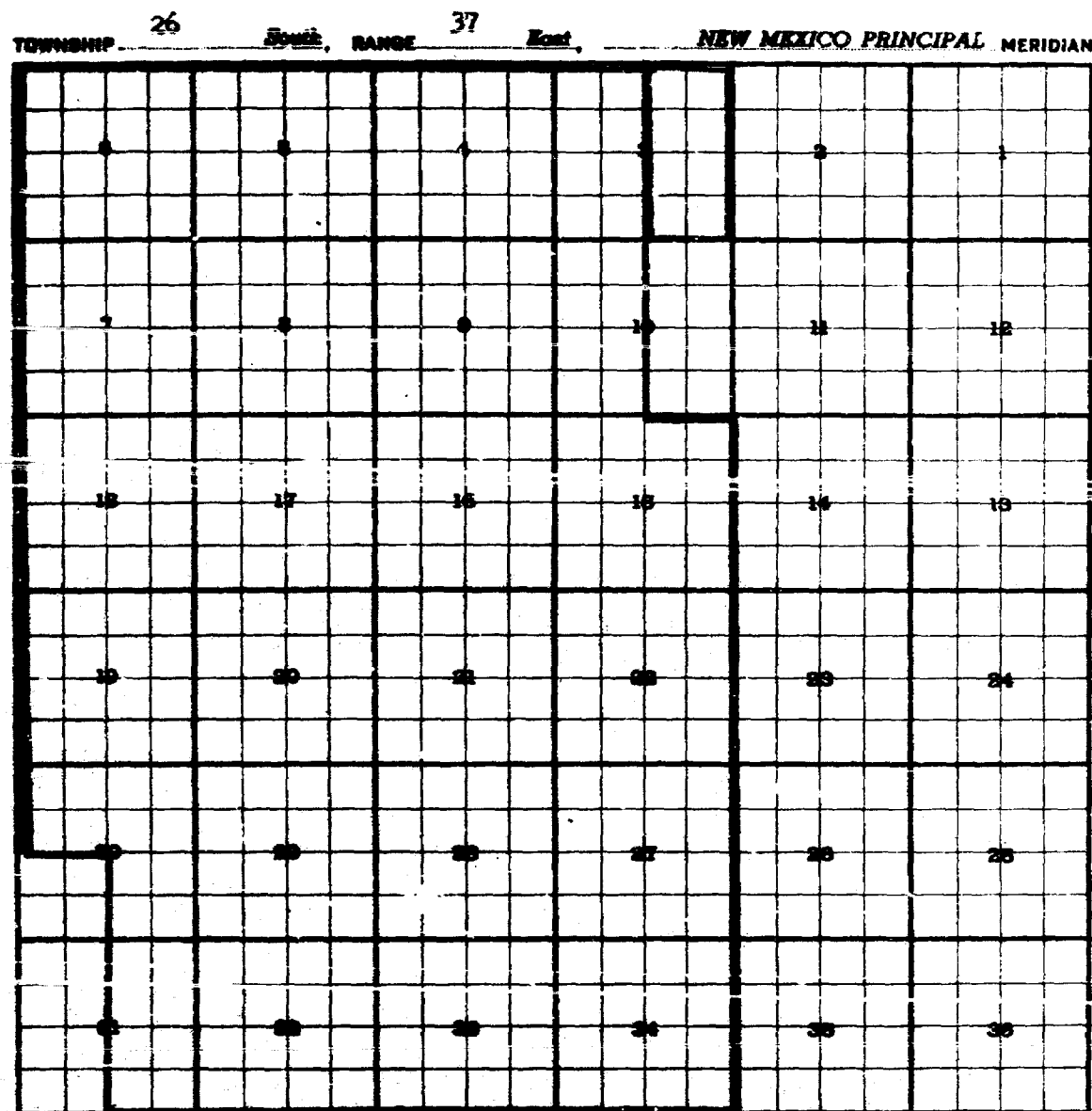
Ralph Lowe M. D. Self #4 in Unit E of Sec. 6-26-38 comp. 4/7/57 in
Qu. top perf. 3231

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green NW/4 of Section 6

Case 1238 Extension of an existing pool-Jalmat UNADVERTISED

County LEA Pool JALMAT



Purpose: To extend the pool for the inclusion of-

Amorada C. C. Cagle "C" #1 in Unit D of Sec. 3-26-37 comp. in lates as gas
well. N/2 assigned as gas unit top perf. 2680

Existing Boundary : Colored in Red

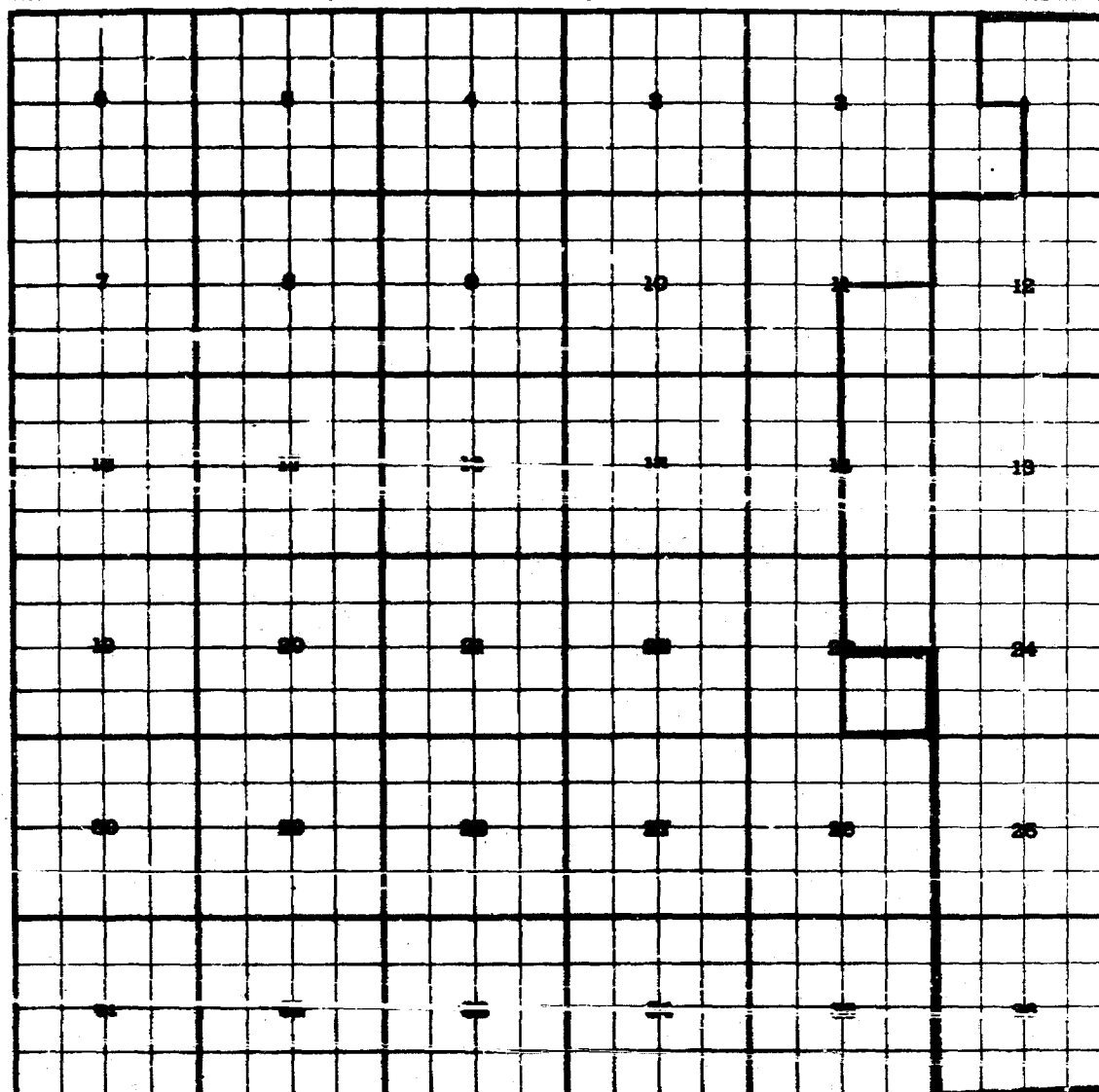
Proposed Extension: Colored in Green E/2 Sec. 3 Unadvertised-

Case 1238: (K) Extension of an existing pool

County LEA Pool JALPAT

Yates Part of SR

TOWNSHIP 22 South, RANGE 35 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of

The Atlantic Refining Co. State #1 in Unit L of Sec. 23-22-35 comp.
in Yates 1/4/57 top perf. 3866

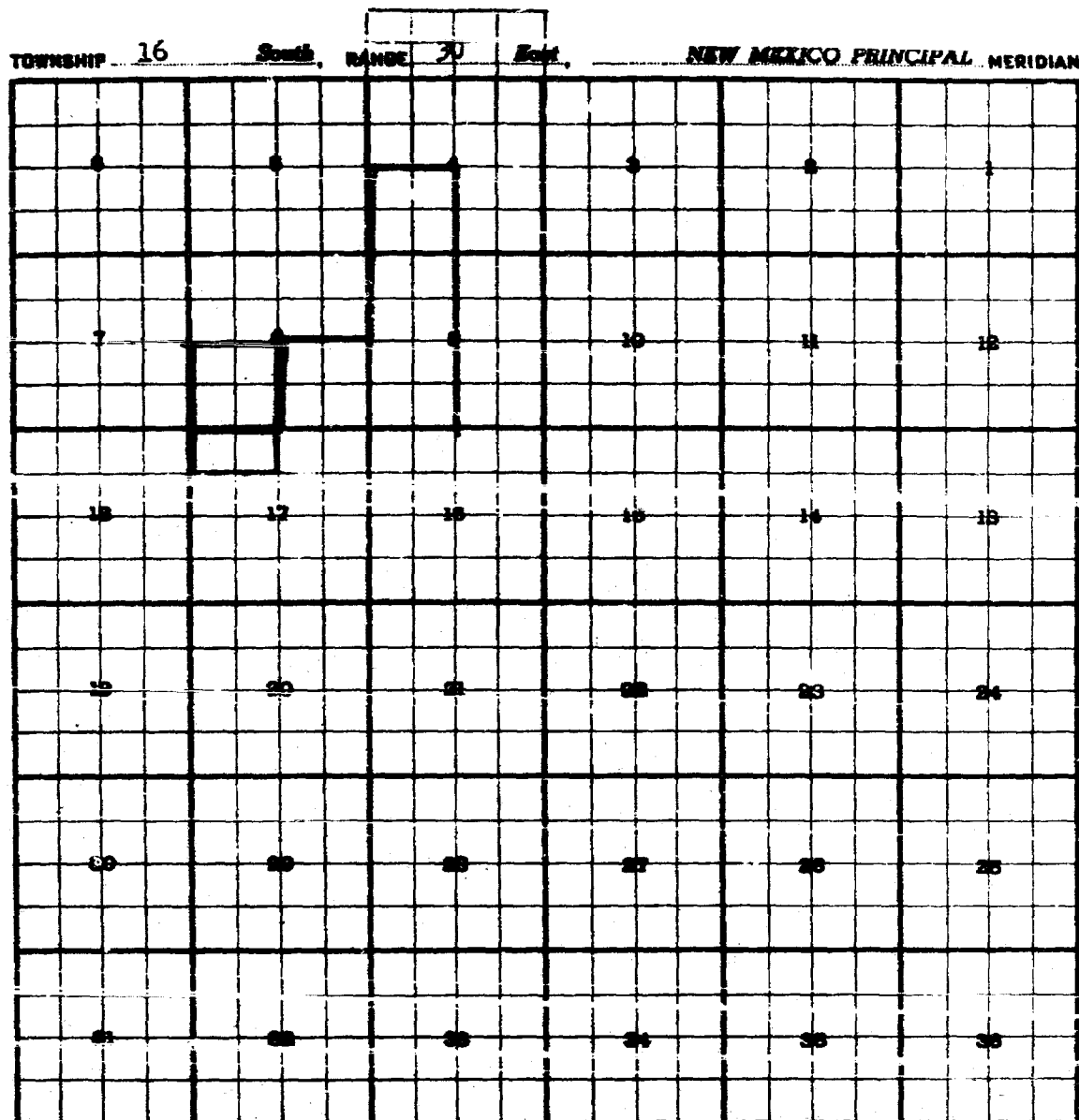
Existing Boundary : Colored in Red

Proposed Extension: Colored in Green SE/4 of Sec. 23

Case 1238 : (J) Extension of an existing pool

County EDDY Pool WEST HENSHAW-GRAYBURG

0-5 Grayburg



Purpose: To extend the pool for the inclusion of-

Western Ventures, Inc. Spencer Federal #1-V in Sec. 4-16-30 comp. 2/1/57 in
Grayburg top perf. 2805 &

Western Ventures, Inc. Spencer Federal #2-S in Sec. 4-16-30 comp. in Grayburg
3/22/57 top perf. none, dcs. 2778

John H. Trigg Federal #D# #1 in Unit C of Sec. 17-16-30 comp. in Grayburg
2/16/57 top perf. 2745

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green

SW/4 Sec. 4; SE/4 Sec. 8; W/2 Sec. 9; N/2 NW/4
Sec. 17

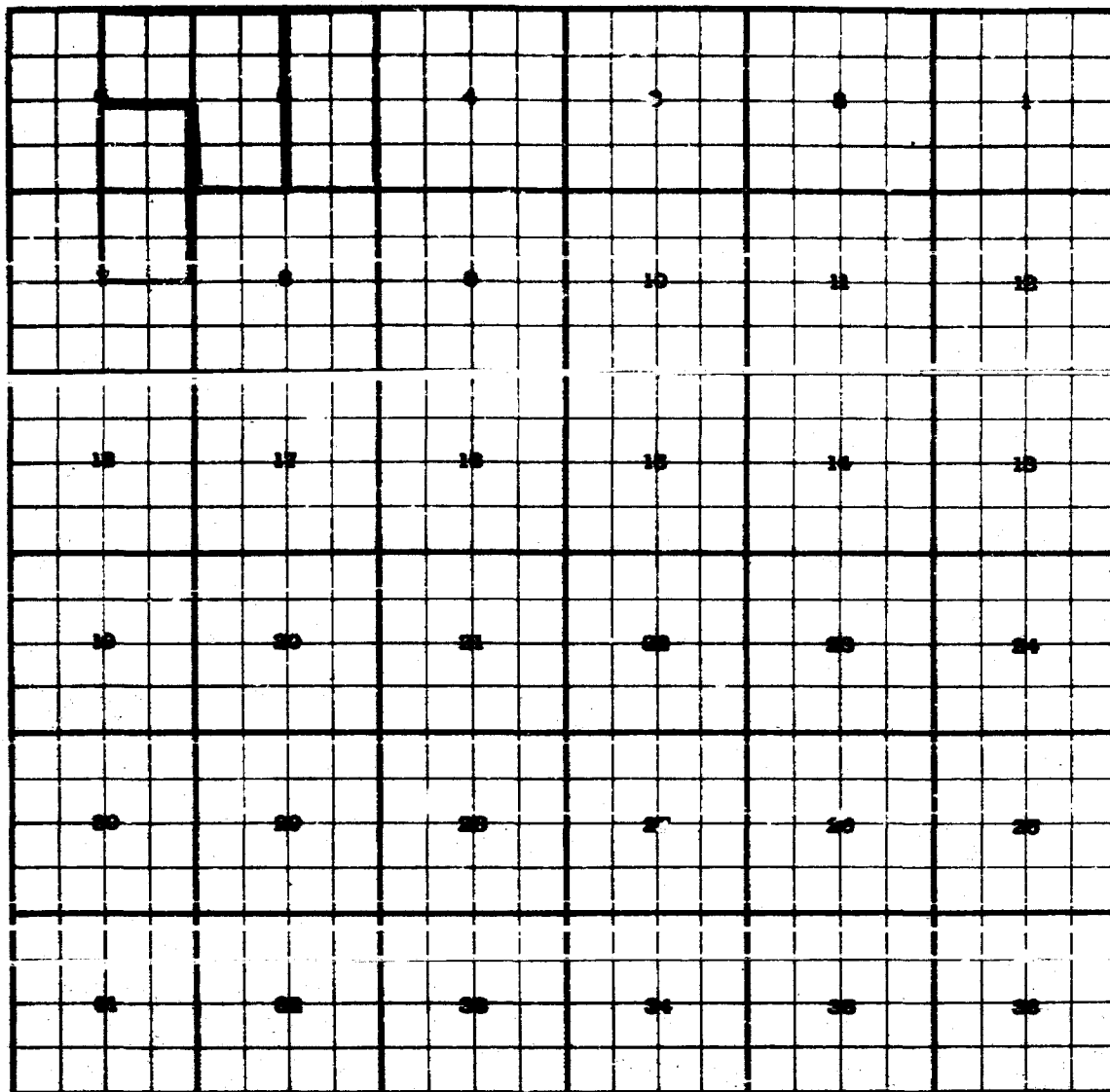
Case 1238: (I) Extension of an existing pool

Part of this case unadvertised

County LEA Pool N. GLADIOLA-DEVONIAN

12-13

TOWNSHIP 12 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of

Sinclair Kendrick Estate #1 in Unit J of Sec. 5-12-38 comp. in Dev. 3/12/57
top perf. 11,976

Surfco Mid-Continent Oil Co. Z. Taylor #1 in Unit B of Sec. 7-12-38 comp.
2/21/57 in Dev. top perf. 11,970

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green Unadv. E/2 Sec. 5

Adv. SE/4 Sec. 6, NE/4 Sec. 7

Case 1238:(I) Extension of an existing pool

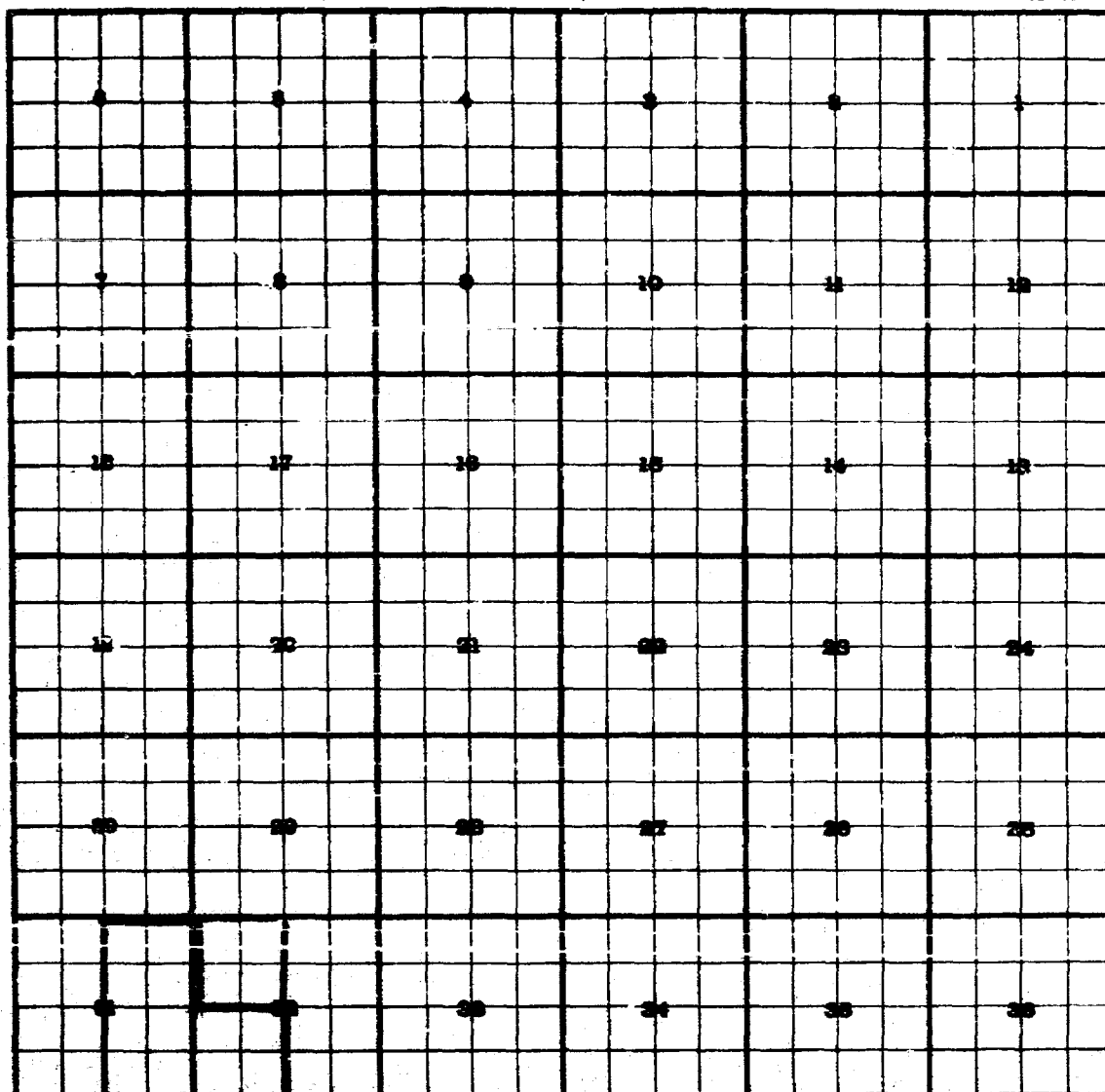
This part of case unadvertised

County LEA

Pool NORTH-GLADIOLA DEV.

12-13

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



Purpose: To extend the pool for the inclusion of

Ralph Lowe State "A" #1 in Unit E of Sec. 32-11-38 comp. in Dev.
3/5/57 top perf. 11,978

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green UNADVERTISED NW/4 of Sec. 32

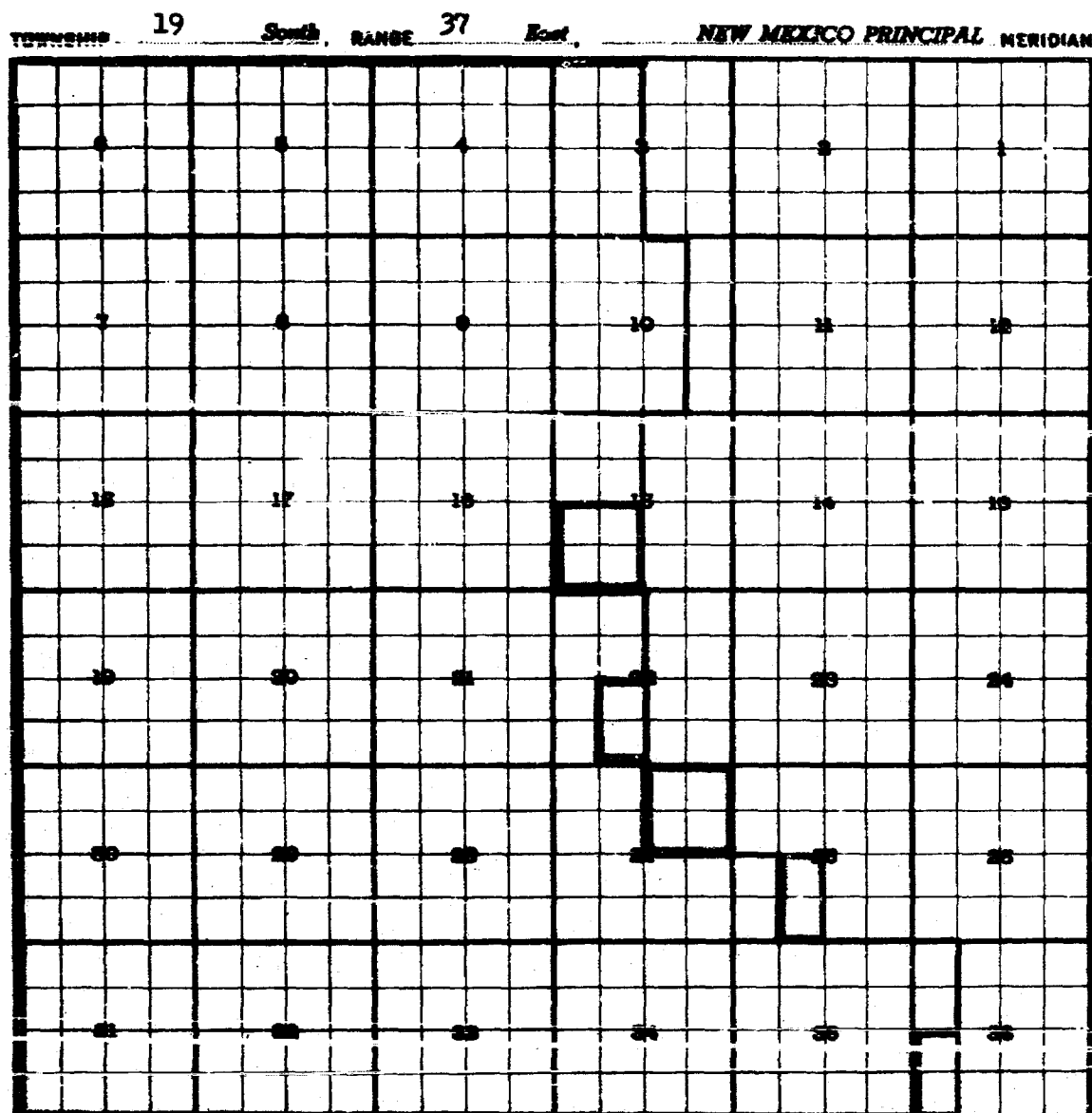
Case 1238: (H) Extension of an existing pool

Part of this case unadvertised

County

LEA

Pool EUMONT



Purpose: To extend the pool for the inclusion of-

Amerada Pet. Corp. State EM"A" #3 in Unit N of Sec. 22-19-37 comp. in Queen
2/21/57 top perf. none decs. 3895

Gulf Oil Corp. F. W. Kutter "F" #1 in Unit G of Sec. 27-19-37 comp. in Queen
2/2/57 top perf. 3830

Magnolia Pet. Co. New Mex. "Q" #1 in Unit M of Sec. 15-19-37 comp. in Queen
2/20/57 top perf. 3941

UNADVERTISED

Gulf Oil Corp.- W. A. Hudson #2 in Unit N of Sec. 26-19-37 comp. in Queen
3/16/57 &

Shell Oil Co. State EMA #1 in Unit M of Sec. 36-19-37

Existing Boundary : Colored in Red

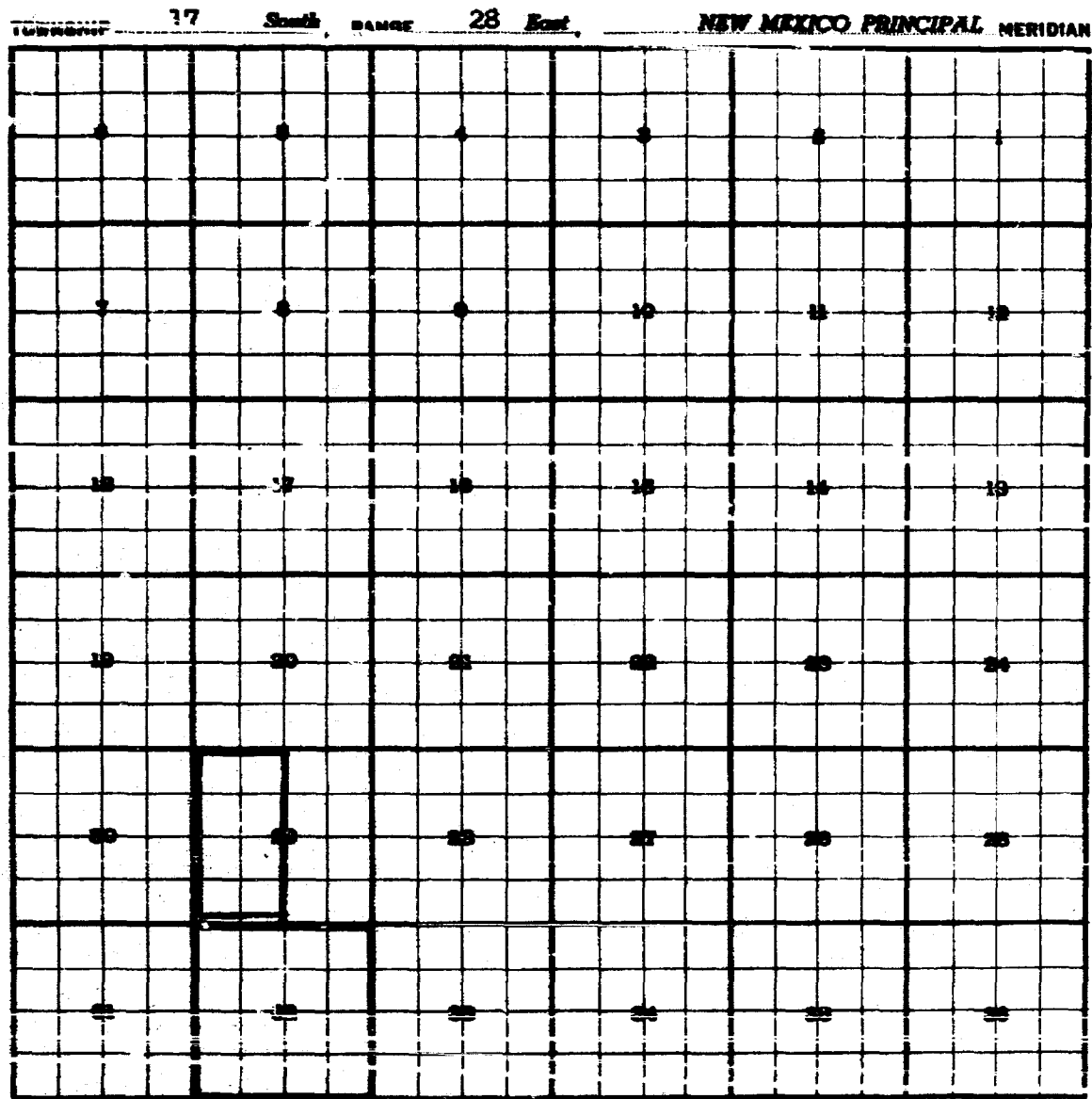
Proposed Extension: W/4 Sec. 15; E/2 SW/4 Sec. 22, NE/4 Sec. 27 Adv. Unadv.

E/2 SW/4 Sec. 26
W/2 SW/4 Sec. 36

County EDD

Pool EMPIRE-WOLFCAMP

7-8 Wolfeamp



Purpose: To extend the pool for the inclusion of

John J. Eisner Buffalo Delhi-State #1 in Unit C of Sec. 29-17-28
comp. in Wolfeamp 2/22/57 top perf. 7288

Existing Boundary : Colored in Red

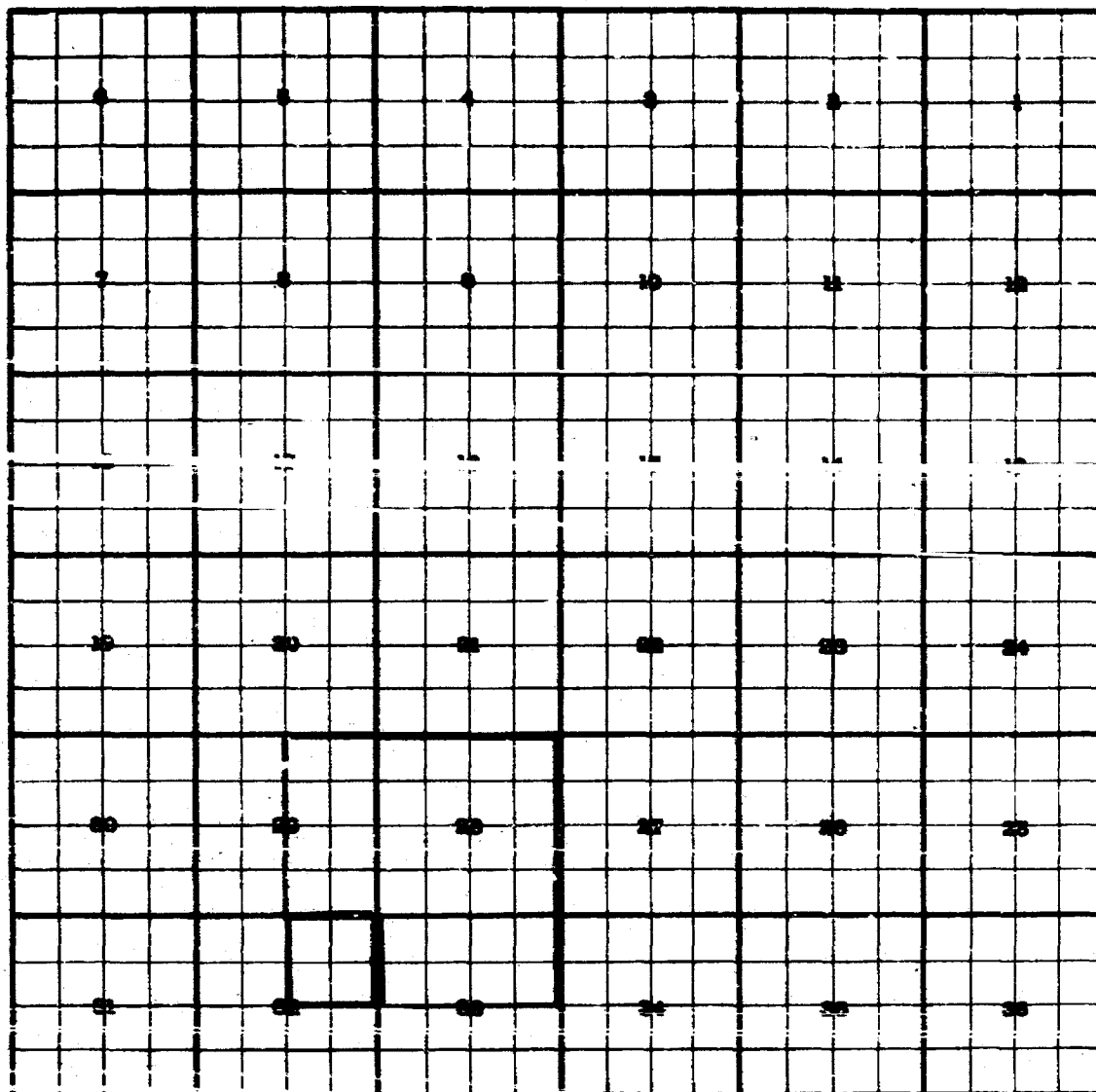
Proposed Extension: Colored in Green W/2 Sec. 29

Case 1238: (F) Extension of an existing pool

County LSA Pool GRAND-DEVONIAN GAS

Dev.

TOWNSHIP 25 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of-

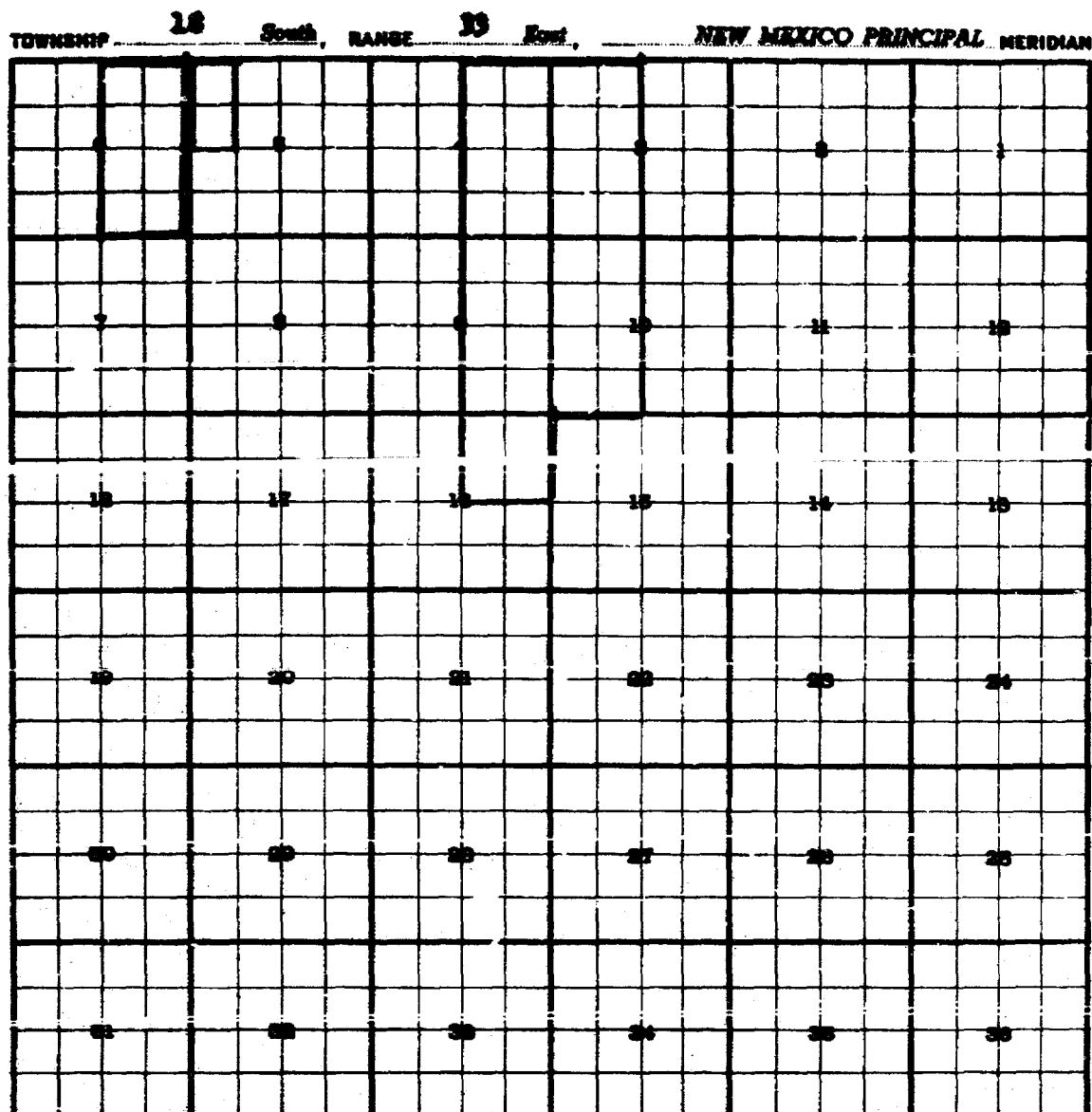
Gulf Oil Corp. Arnett Rensay "B" #3 in Unit A of Sec. 32-25-37 comp.
in Dev. 20th perf. 8644

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green NW/4 of Sec. 32

Case 1236: (H) Extension of an existing pool

County LRA Pool UGBWIN



Purpose: To extend the pool for the inclusion of

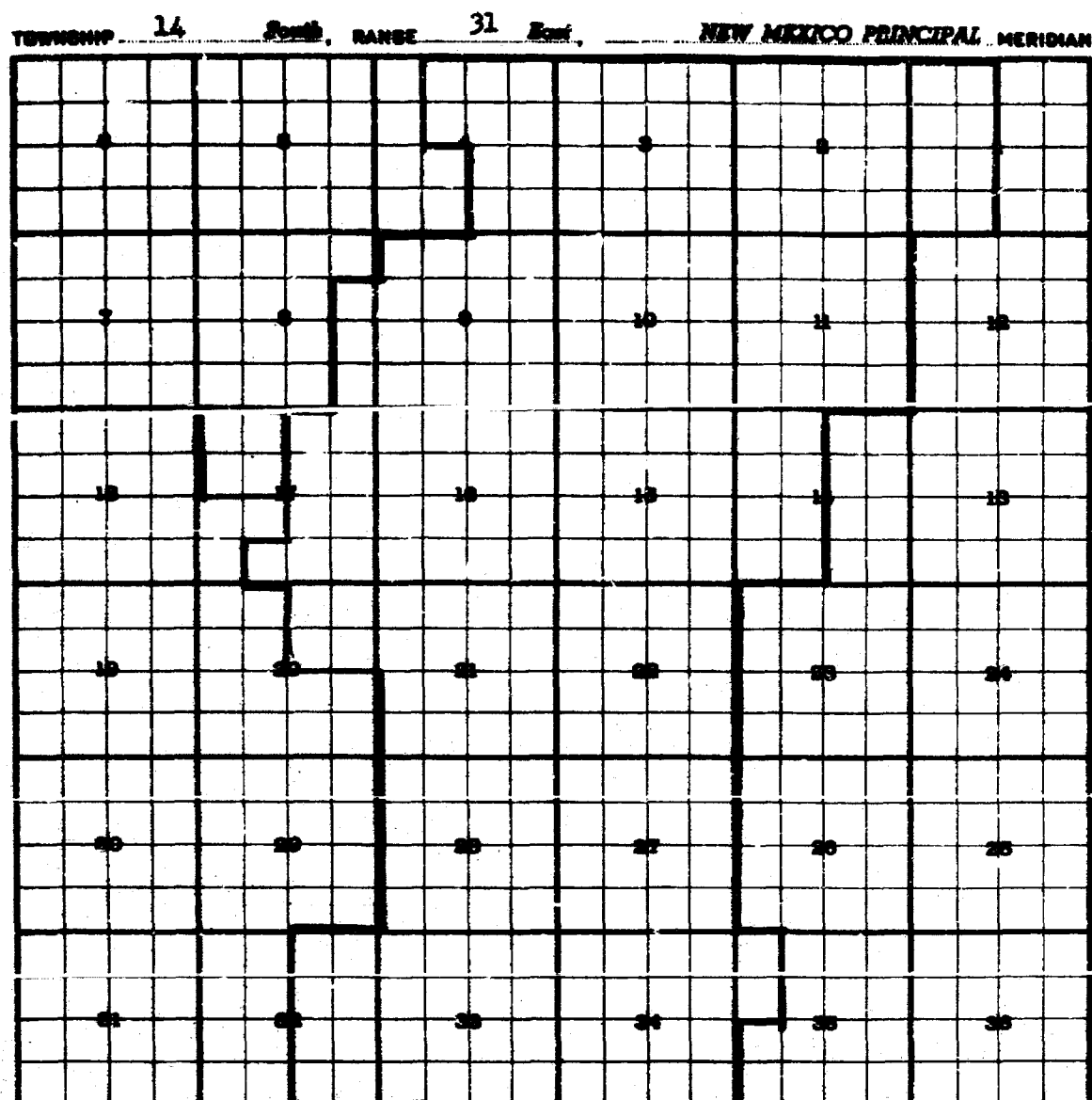
Garner Drilling Company Hyatt #6 in Unit B of Section 5-18-33 comp.
2/26/97 in Queen Dec. 4067

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green W/2 NE/4 of Section 5

Case 1238; (D) Extension of the Caprock-Queen

County CHAVES Pool CAPROCK-QUEEN



Purpose: To extend the pool for the inclusion of -

T. F. Hodge Malco Federal #2 in Unit F of Section 17-14-31 comp. in
Queen 2/15/57 top perf. 2706

Existing Boundary : Colored in Red

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

CORRECTION

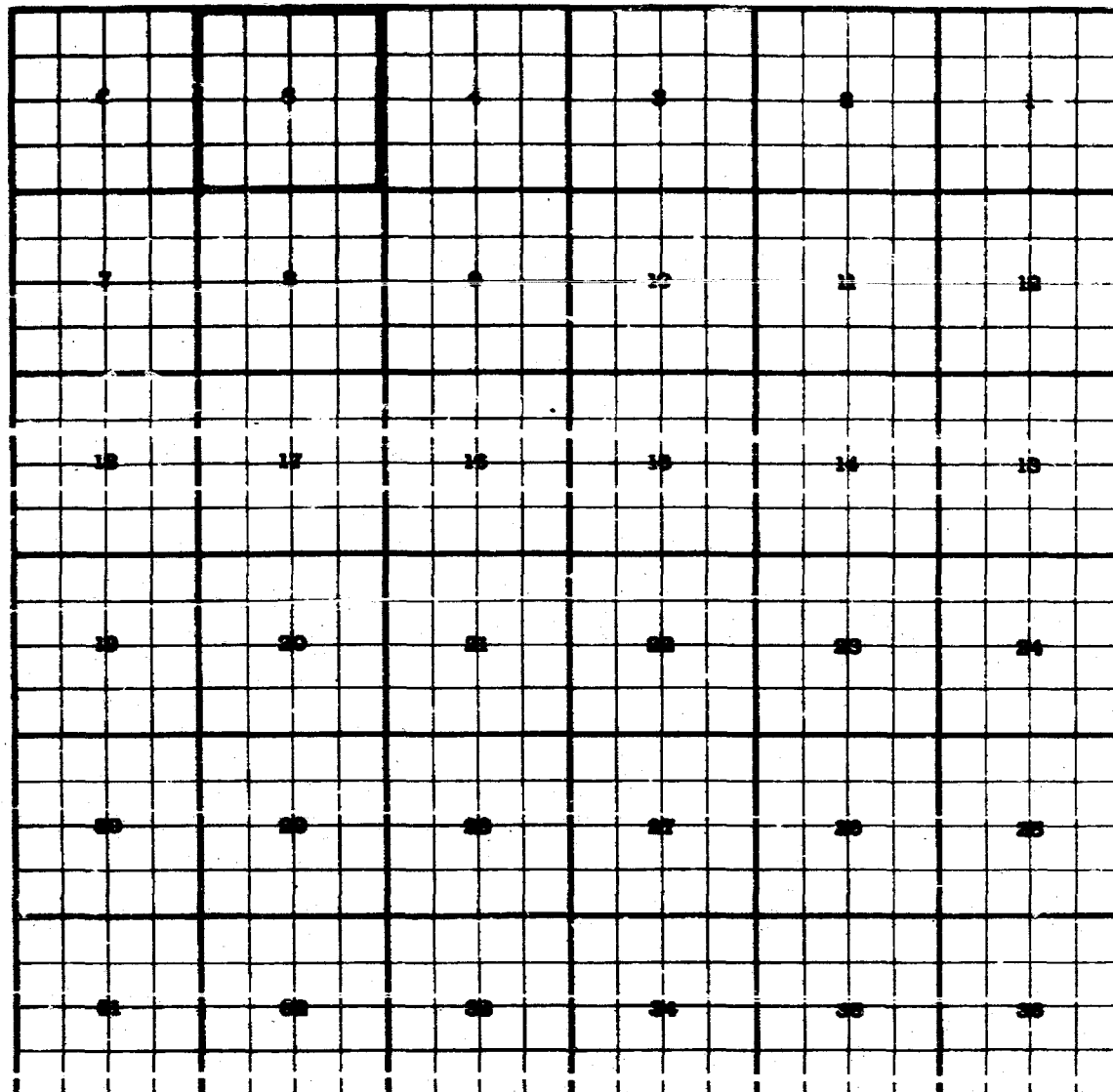
The preceding Look At B. Book Photo
documents were incorrectly
filmed. They are refilmed
following this target.

Case 1238: (C) Creation of a new gas pool

County EDDY Pool RED LAKE-PENNSYLVANIAN(Gas)

9-10 Penn.

TOWNSHIP 18 South, RANGE 27 East, NEW MEXICO PRINCIPAL MERIDIAN



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

Humble Oil & Refining(Chalk Bluff Unit Draw #1) S. M. Compton #1 in Unit

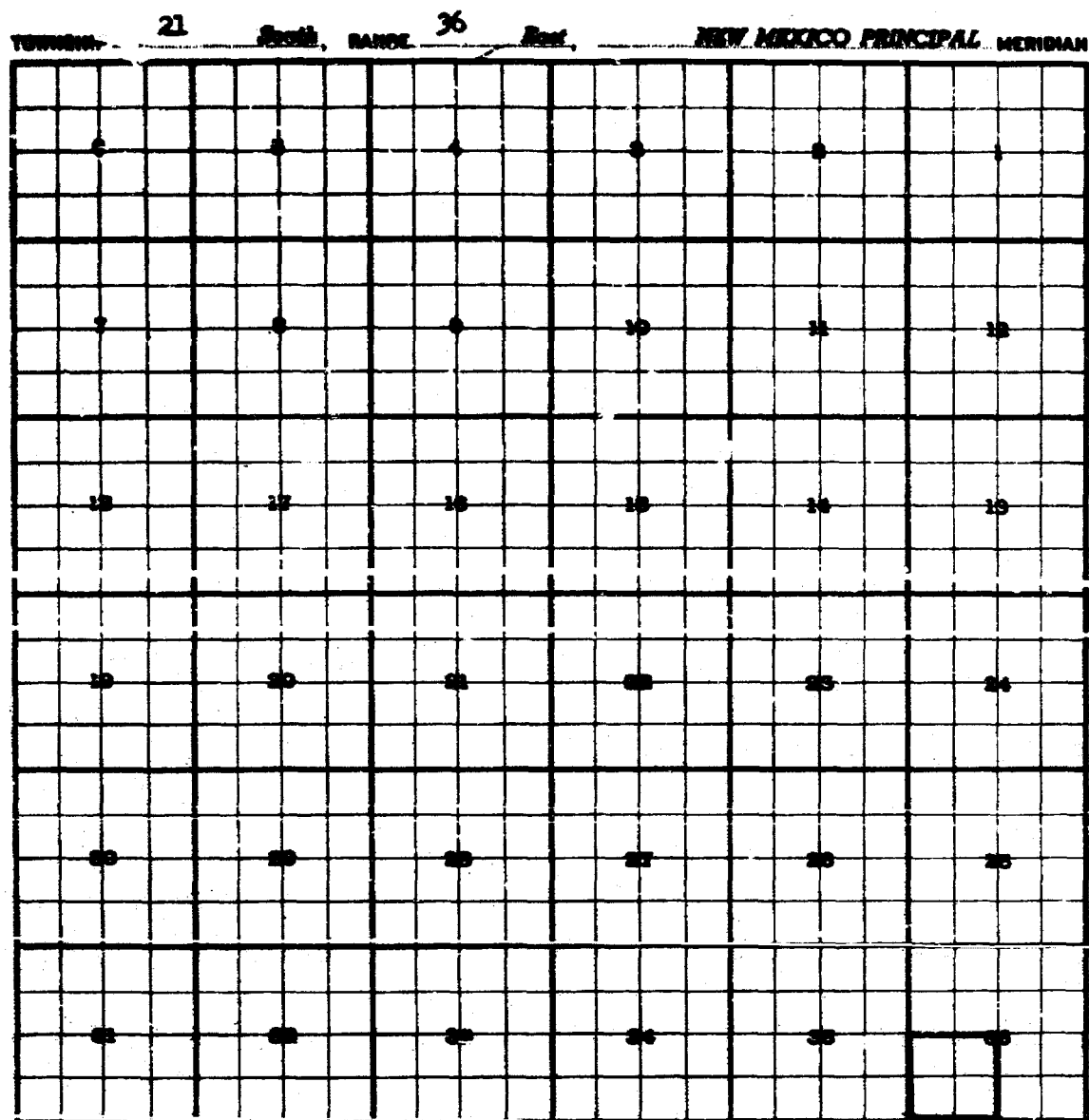
K of Section 5-18-27 comp. in Penn. 3/29/56 des. 9488

Proposed Boundary : Colored in Red All Section 5

Case 1238: (B) Creation of a new pool

County LEA Pool ARROWHEAD-DRINKARD

6-7 Drinkard



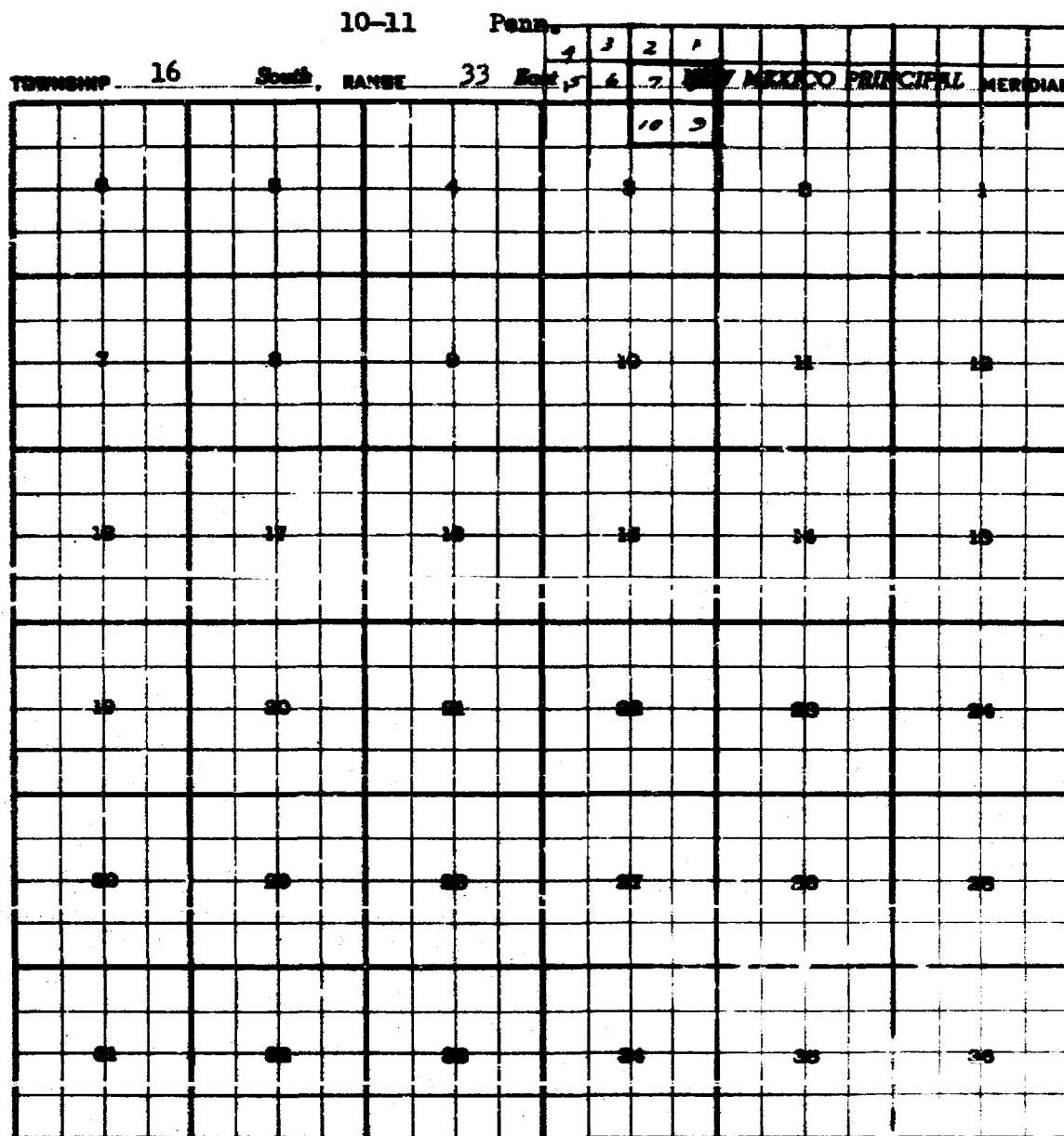
Purpose: To create a new pool for the inclusion of-

Gulf Oil Corp. Harry Leonard "C" #10 in Unit N of Sec. 36-21-36
comp. in Drinkard 2/1/57 top perf. 6555

Proposed Boundary : Colored in Red SW/4 of Section 36

Case 1238: (A) Creation of a new pool

County _____ LEA _____ Pool EAST ANDERSON RANCH-PENN.



10-11 Pennsylvanian

Purpose: To create a new pool for

Humble Oil & Refining Co. New Mexico State AQ #1 in Lot 9 of Section
3-16-33 comp. 2/24/57 in Penn. top perf. 10,960

Proposed Boundary : Colored in Red -Lots 7,8,9 & 10 of Sec. 3

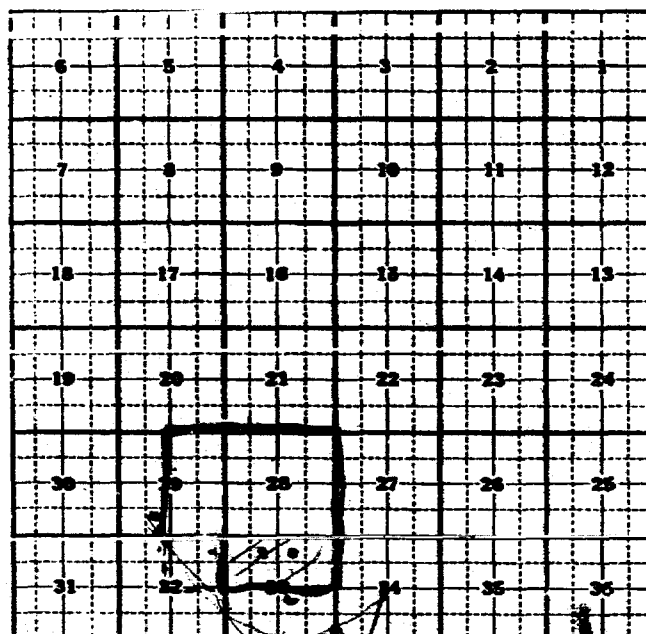
FEDERAL ABSTRACT

Name

Address

Ph.

Remarks:



T R or County State

**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 PURPOSE OF
CONSIDERING:**

**CASE NO. 1288
Order No. R-888**

**THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN
ORDER GRANTING, EXTENDING, AND ABOLISHING
CERIAL POOLS IN LEA, CRAVEE, 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 April 17, 1937, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 29th day of April, 1937, 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 East Anderson Ranch-Pennsylvanian Pool. Said East Anderson Ranch-Pennsylvanian Pool was discovered by Humble Oil & Refining Company, New Mexico State AQ #1, located in Lot 9, Section 3, Township 14 South, Range 23 East, NMPN. It was completed February 20, 1937. The top of the perforations is at 10,850 feet.

(3) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Brinkard Formation, said pool to bear the designation Arrowhead-Brinkard Pool. Said Arrowhead-Brinkard Pool was discovered by Gulf Oil Corporation Harry Leonard "C" #10, located in the SE/4 SW/4 Section 30, Township 11 South, Range 23 East, NMPN. It was completed February 1, 1937. The top of the perforations is at 6,555 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 Pennsylvanian Formation, said pool to bear the designation Red Lake-Pennsylvanian Gas Pool. Said Red Lake-Pennsylvanian Gas Pool was discovered by Humble Oil & Refining Company, Chalk Bluff Draw Unit #1, located

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Case No. 1298
Order No. R-998

in the NE/4 SW/4 Section 5, Township 18 South, Range 27 East, NMPN. It was completed April 13, 1956. The top of the perforations is at 9,448 feet.

(3) That there is need for certain extensions to the Corbin Pool, the Crosby-Devonian Gas Pool, the Summit Gas Pool, the North Gladwin-Devonian Pool, the Jalmat Gas Pool, the Langlie-Hattin Pool, the Lee Pool, the North Shoo-Bar Devonian Pool, the Warren-McElree Pool, and the Young Pool, all in Lea County, New Mexico, to the Caprock-Queen Pool in Lea and Chavez Counties, New Mexico, and to the Empire-Wolfcamp Pool, the West Henshaw-Grayburg Pool, and the Square Lake Pool, all in Eddy County, New Mexico. Further, that there is need for certain extensions to the vertical limits of the Sangart Pool in Eddy County, New Mexico, and for the abolishment of the Sangart-Grayburg Pool in Eddy 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 East Anderson Ranch-Pennsylvanian Pool consisting of the following described area:

TOWNSHIP 16 SOUTH, RANGE 23 EAST, NMPN
Section 3: Lots 7, 8, 9, and 10

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

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPN
Section 26: SW/4

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

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPN
Section 5: All

(d) That the Caprock-Queen Pool in Lea and Chavez Counties, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 12 SOUTH, RANGE 32 EAST, NMPN
Section 21: SW/4

TOWNSHIP 14 SOUTH, RANGE 31 EAST, NMPN
Section 17: NW/4

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Case No. 1233
Order No. 2-888

(e) That the Corbin 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 22 EAST, NEPM
Section 8: W/2 NW/4

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

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NEPM
Section 22: NE/4

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

TOWNSHIP 17 SOUTH, RANGE 22 EAST, NEPM
Section 20: W/2

(h) That the Emswot 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 27 EAST, NEPM
Section 15: NW/4
Section 22: E/2 SW/4
Section 25: E/2 SW/4
Section 27: NE/4
Section 28: W/2 SW/4

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

TOWNSHIP 11 SOUTH, RANGE 36 EAST, NEPM
Section 23: NW/4

TOWNSHIP 12 SOUTH, RANGE 36 EAST, NEPM
Section 5: N/2
Section 6: SE/4
Section 7: NE/4

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

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NEPM
Section 4: NW/4
Section 6: NE/4
Section 9: W/2
Section 17: E/2 NW/4

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Case No. 1298
Order No. B-983

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

TOWNSHIP 22 SOUTH, RANGE 26 EAST, NEPM
Section 23: SE/4

TOWNSHIP 26 SOUTH, RANGE 27 EAST, NEPM
Section 3: E/4

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

TOWNSHIP 26 SOUTH, RANGE 28 EAST, NEPM
Section 2: SE/4

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

TOWNSHIP 27 SOUTH, RANGE 34 EAST, NEPM
Section 13: SE/4

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

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NEPM
Section 18: W/2 SE/4

(o) That the Shugart-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, and consisting of the following described area:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NEPM
Section 26: SW/4

be and the same is hereby abolished.

(p) That the vertical limits of the Shugart Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same are hereby extended to include the Grayburg formation therein, thereby making the vertical limits of said Shugart Pool comprise the Yates, Seven Rivers, Queen, and Grayburg formations.

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

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NEPM
Section 26: W/2 SE/4

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NEPM
Section 26: SE/4

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Case No. 1278
Order No. 2-988

(r) 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 28 EAST, NE1/4
Section 10: E/2 NW/4

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

TOWNSHIP 18 SOUTH, RANGE 28 EAST, NE1/4
Section 10: E/2 NW/4 and NW/4

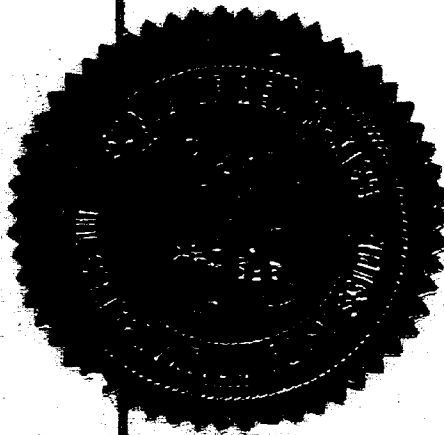
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. McQueen
EDWIN L. MCQUEEN, Chairman

M. E. Morgan
MURRAY E. MORGAN, Member

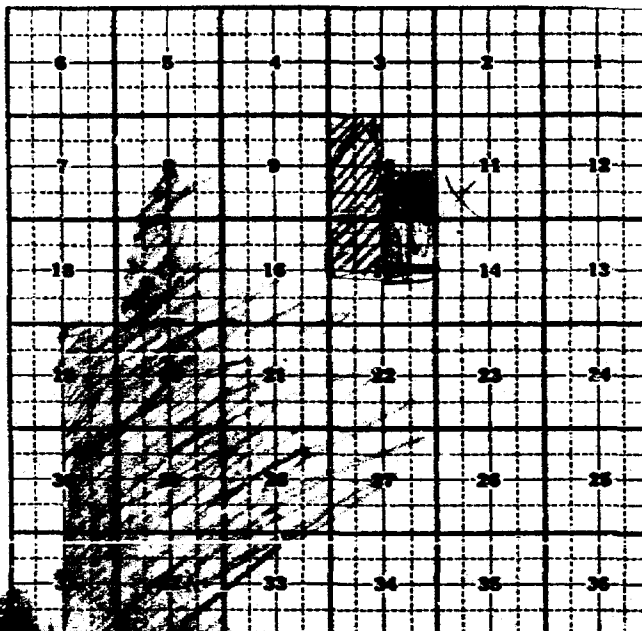
A. L. Fortner, Jr.
A. L. FORTNER, Jr., Member & Secretary



FEDERAL ABSTRACT CO.

Address
Remarks:

Ph.



R State
or County

OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

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 and the extension of existing pools in Lea, Chavez 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 and extensions should not be made.

C (A) Create a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production, designated as the East Anderson-Ranch-Pennsylvanian Pool, and described as:

Twp. 16 South, Range 33 East
Lots 7, 8, 9, 10 of Sec. 3

and such other etc.

O (B) Create a new pool in Lea County, New Mexico, classified as an oil pool for Drinkard production, designated as the Arrowhead-Drinkard Pool, and described as:

Twp. 21 South, Range 36 East
SW/4 of Section 36

P and such other etc.

Y (C) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Red Lake-Pennsylvanian Gas Pool, and described as:

Twp. 18 South, Range 27 East
All of Section 5

and such other etc.

(D) Extend the Caprock-Queen pool boundary in Lea and Chavez Counties to include therein:

Twp. 12 South, Range 32 East
SW/4 of Section 21

Twp. 14 South, Range 31 East
NW/4 of Section 17

and such other etc.

(E) Extend the Corbin pool boundary in Lea County, New Mexico, to include therein:

Twp. 16 South, Range 33 East
W/2 of NW/4 of Sec. 5

and such other etc.

April Nomenclature Case No. _____

OIL CONSERVATION COMMISSION

DOBBS, NEW MEXICO

(F) Extend the Crosby-Devonian pool boundary in Lea County, New Mexico, to include therein:

Tr. 25 South, Range 37 East
NE/4 of Section 32

C and such other etc.

(G) Extend the Empire-Wolfcamp pool boundary in Eddy County, New Mexico, to include therein:

Tr. 17 South, Range 28 East
SW/4 and W/2 NW/4 of Section 28

O and such other etc.

(H) Extend the Escent pool boundary in Lea County, New Mexico, to include therein:

Tr. 19 South, Range 37 East
SW/4 of Sec. 15
E/2 SW/4 of Sec. 22
NE/4 of Sec. 27

P and such other etc.

(I) Extend the North Gladiola-Devonian pool boundary in Lea County, New Mexico, to include therein:

Tr. 12 South, Range 38 East
SE/4 of Section 6
NE/4 of Section 7

Y and such other etc.

(J) Extend the West Henshaw-Grayburg pool boundary in Eddy County, New Mexico, to include therein:

Tr. 16 South, Range 30 East
E/2 of NW/4 of Sec. 17
SE/4 of Sec. 8
W/2 of Sec. 9
SW/4 of Sec. 4

and such other etc.

(K) Extend the Jalant pool boundary in Lea County, New Mexico, to include therein:

Tr. 22 South, Range 35 East
SW/4 of Section 23

and such other etc.

OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

(L) Extend the Langlie-Mattix pool boundary in Lea County, New Mexico, to include therein:

Trp. 26 South, Range 35 East
NE/4 of Section 6

and such other etc.

(M) Extend the Lea pool boundary in Lea County, New Mexico, to include therein:

Trp. 20 South, Range 34 East
SE/4 of Section 15

and such other etc.

(N) Extend the North Shoe Bar-Devonian pool boundary in Lea County, New Mexico, to include therein:

Trp. 16 South, Range 35 East
S/2 of the NE/4 of Section 15

and such other etc.

(O) Abolish the Shugart-Grayburg pool, in Eddy County, New Mexico.

(P) Redefine the vertical limits of the Shugart pool, in Eddy County, New Mexico, to include the ~~Shugart, Crown, and Grayburg~~ and extend the boundary to include therein:

Trp. 12 South, Range 31 East
SW/4 of Section 35

and such other etc.

(Q) Extend the Square Lake pool boundary in Eddy County, New Mexico, to include therein:

Trp. 14 South, Range 29 East
W/2 NE/4 of Section 36

and such other etc.

(R) Extend the Warren-McKee pool boundary in Lea County, New Mexico, to include therein:

Trp. 21 South, Range 35 East
S/2 of the NE/4 of Sec. 20

and such other etc.

(S) Extend the Young pool boundary in Lea County, New Mexico, to include therein:

Trp. 14 South, Range 32 East
SW/4 & S/2 NE/4 of Sec. 16

and such other etc.

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