

CASE 2401: SOUTHEASTERN NEW MEXICO
NOMENCLATURE

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2401

Application, Transcript,
and Exhibits, Etc.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CN 3-6691

ALBUQUERQUE, NEW MEXICO

BEFORE THE
OIL CONSERVATION COMMISSION
Roswell, New Mexico
October 18, 1961

REGULAR HEARING

IN THE MATTER OF:)

Southeastern New Mexico nomenclature)
case calling for an order creating)
new pools and extending, contracting,)
and abolishing certain existing pools)
in Eddy, Lea, and Roosevelt Counties,)
New Mexico.)

CASE 2401

BEFORE: Mr. A. L. Porter, Secretary-Director
Mr. E. S. "Johnny" Walker, Land Commissioner
Honorable Edwin L. Mechem, Governor

TRANSCRIPT OF HEARING

MR. MORRIS: Southeastern New Mexico nomenclature case
calling for an order creating new pools and extending, contract-
ing, and abolishing certain existing pools in Eddy, Lea, and
Roosevelt Counties, New Mexico.

(Witness sworn.)

JOE D. RAMEY

called as a witness herein, having been first duly sworn on oath,
was examined and testified as follows:

DIRECT EXAMINATION

BY MR. MORRIS:



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ALBUQUERQUE, N. M.
PHONE 243-6611

Q State your name and position.

A Joe D. Ramey, Supervisor and Proration Manager with the Oil Conservation Commission.

Q Mr. Ramey, in your position with the Oil Conservation Commission have you made a study concerning the necessity for creating, extending, contracting and abolishing certain pools within your jurisdiction?

A Yes, I have.

Q Do you have your recommendations in that regard consolidated into what has been marked Exhibit 1 in this case?

A Yes, I have.

(Whereupon, Exhibit No. 1 was marked for identification.)

Q Referring to that exhibit, what is your recommendation for the creation of a new oil pool for Ellenburger production?

A That a new oil pool be created and designated as the North Justis-Ellenburger Pool. Vertical limits to be the Ellenburger formation and the horizontal limits should be as shown in paragraph (a), Exhibit 1.

Discovery well was Texaco, Inc. - G. L. Erwin (b) NCT-2 No. 1, located in Unit P, Section 35, Township 24, Range 37 and was completed on August 15, 1961. Top of perforations is at 8,458 feet.

Q What are your recommendations concerning the creation of



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a new oil pool for Fussleman production?

A That a new oil pool be created and designated as the North Justis-Fussleman Pool. Vertical limits to be the Fussleman formation and the horizontal limits should be as shown in paragraph (b), Exhibit 1. Discovery well was J. C. Williamson-Westates Federal No. 4, located in Unit E, Section 1, Township 25, Range 37 and was completed on June 24, 1961. Top of perforations is at 7,000 feet.

Q What is your recommendation concerning the creation of a new gas pool for Pennsylvanian production?

A That a new gas pool be created and designated as the Lea-Pennsylvanian Gas Pool. Vertical limits to be the Pennsylvanian formation and the horizontal limits should be as shown in paragraph (c), Exhibit 1.

Discovery well was United States Smelting, Refining & Mining Company-Federal No. 1, located in Unit F, Section 11, Township 20, Range 34 and was completed on April 4, 1961. Top of perforations is at 13,034 feet.

Q What is your recommendation concerning the creation of a new oil pool in the Devonian production?

A That a new oil pool be created and designated as the Medicine Rock-Devonian Pool. Vertical limits to be the Devonian formation and the horizontal limits should be as shown in paragraph (d), Exhibit 1.



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Discovery well was Sinclair Oil & Gas Company-C. S. Stone No. 1, located in Unit G., Section 22, Township 15, Range 38 and was completed on July 28, 1961. Top of perforations is at 12,740 feet.

Q What are your recommendations concerning the creation of a new oil pool for Delaware production?

A That a new oil pool be created and designated as the Parallel-Delaware Pool. Vertical limits to be the Delaware formation and the horizontal limits should be as shown in paragraph (e), Exhibit 1.

Discovery well was Perry R. Bass-Federal Cobb No. 1, located in Unit M, Section 23, Township 20, Range 31 and was completed on June 24, 1953. Top of perforations is at 7,003 feet.

Q What are your recommendations concerning the creation of a new oil pool for Delaware production?

A That a new oil pool be created and designated as the Pecos-Delaware Pool. Vertical limits to be the Delaware formation and the horizontal limits should be as shown in paragraph (f), Exhibit 1.

Discovery well was Curt's Hankamer-Gulf Federal No. 1, located in Unit H, Section 34, Township 26, Range 29 and was completed on August 1, 1961. Top of perforations is at 2,899 feet.

Q What are your recommendations concerning the creation



of a new oil pool for Delaware production?

A That a new oil pool be created and designated as the Quahada Ridge-Delaware Pool. Vertical limits to be the Delaware formation and the horizontal limits should be as shown in paragraph (g), Exhibit 1.

Discovery well was Perry R. Bass-Legg No. 1, located in Unit B, Section 27, Township 21, Range 29 and was completed on May 8, 1952. Top of perforations is at 6,112 feet.

Q What are your recommendations concerning the creation of a new gas pool for Atoka production?

A It is recommended that a new gas pool be created and designated as the South Salt Lake-Atoka Gas Pool. Vertical limits to be the Atoka formation and the horizontal limits should be as shown in paragraph (h), Exhibit 1.

Discovery well was Texaco, Inc. - N.M. State "CH" No. 1, located in Unit H, Section 36, Township 20, Range 32 and was completed on March 13, 1960. Top of perforations is at 12,640 feet.

Q What are your recommendations concerning the creation of a new gas pool for Morrow production?

A It is recommended that a new gas pool be created and designated as the South Salt Lake-Morrow Gas Pool. Vertical limits to be the Morrow formation and the horizontal limits should be as shown in paragraph (i), Exhibit 1.



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Discovery well was Texaco, Inc. - A. Richards No. 1, located in Unit P, Section 25, Township 20, Range 32 and was completed on January 20, 1958. Top of perforations is at 12,909 feet.

Q What are your recommendations concerning the creation of a new oil pool for Bone Springs production?

A That a new oil pool be created and designated as the Shugart-Bone Springs Pool. Vertical limits to be the Bone Springs formation and the horizontal limits should be as shown in paragraph (j), Exhibit 1.

Discovery well was Pan American Petroleum Corporation-Greenwood Unit No. 3, located in Unit H, Section 27, Township 18, Range 31 and was completed on April 6, 1961. Top of perforations is at 8,135 feet.

Q Do you have a recommendation concerning the creation of a new oil pool for Wolfcamp production?

A This should be dismissed pending further study.

Q Do you have a recommendation concerning the contracting of the Cave Pool?

A Yes, sir. It is recommended that a portion of the Cave Pool be deleted as shown in paragraph (l), Exhibit 1 in order to form a waterflood unit. This acreage will be taken into Square Lake Pool.



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Q Do you have a recommendation concerning action to be taken concerning the Caudill-Pennsylvanian Pool?

A It is recommended that the Caudill-Pennsylvanian Pool be abolished as shown in paragraph (m), Exhibit 1 due to non-commercial production. Vertical limits of Caudill Wolfcamp are to be extended to take in the Pennsylvanian formation. This is not a productive pool.

Q Then I assume in the future, your recommendation is that accumulated production of that well, or those wells affected, to be shown in the Wolfcamp?

A Yes, sir, we intend to redefine the Caudill-Wolfcamp to be renamed Pennsylvanian-Caudill Pool.

Q Mr. Ramey, that change is reflected in the latter part of this exhibit?

A That's right.

Q Do you have a recommendation concerning the South Salt Lake-Pennsylvanian Gas Pool?

A Yes, sir. It is recommended that the South Salt Lake-Pennsylvanian Gas Pool be abolished as shown in paragraph (n) Exhibit 1 in order to create two new pools in the Pennsylvanian formation. These are previously created as South Salt Lake-Atoka and South Salt Lake Morrow.

Q That is Square Lake?



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A It is recommended that a portion of the Square Lake Pool be deleted as shown in paragraph (o), Exhibit 1 in order to be extended to the Cave Pool to form a waterflood unit.

Q What is your recommendation concerning extension of the Allison-Pennsylvanian Pool?

A That that pool be extended as shown in paragraph (p), Exhibit 1, on the basis of seven wells completed therein.

Q What are your recommendations concerning the extension of the Anderson Ranch-Wolfcamp Pool?

A It is recommended that the Anderson Ranch-Wolfcamp Pool boundary be extended as shown in paragraph (q), Exhibit 1, on the basis of two wells completed therein.

Q What are your recommendations concerning the extension of the Atoka-Pennsylvanian Gas Pool?

A It is recommended that that pool boundary be extended as shown in paragraph (r), Exhibit 1, on the basis of one well completed therein.

Q Do you have a recommendation concerning the extension of the Caudill-Permo Pennsylvanian Pool?

A It is recommended that this pool's vertical limits be extended as shown in paragraph (s), Exhibit 1, to combine Caudill Wolfcamp to include the Pennsylvanian due to non-commercial pay zones in the Pennsylvanian.



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Q What is your recommendation concerning the extension of the Cave Pool?

A It is recommended that the Cave Pool boundary be extended as shown in paragraph (t), Exhibit 1, on the basis of one producing well, to allow for waterflood project.

Q What is your recommendation concerning the extension of the Corbin-Abo Pool?

A It is recommended that the Corbin-Abo Pool boundary be extended as shown in paragraph (u), Exhibit 1 on the basis of three wells completed therein.

Q What is your recommendation concerning the extension of the Corbin-Queen Pool?

A It is recommended that the Corbin-Queen Pool boundary be extended as shown in paragraph (v), Exhibit 1 on the basis of one well completed therein.

Q What is your recommendation concerning the extension of the Crawford-Pennsylvanian Gas Pool?

A It is recommended that the Crawford-Pennsylvanian Gas Pool boundary be extended as shown in paragraph (w), Exhibit 1 on the basis of one well completed therein.

Q What is your recommendation concerning the extension of the Culwin-Queen Pool?

A It is recommended that the Culwin-Queen Pool boundary



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be extended as shown in paragraph (x), Exhibit 1, on the basis of one well completed therein.

Q What is your recommendation concerning the extension of the South Eunice Pool?

A It is recommended that the South Eunice Pool boundary be extended as shown in paragraph (y), Exhibit 1, on the basis of one well completed therein.

Q What is your recommendation concerning the extension of the West Henshaw-Grayburg Pool?

A It is recommended that the West Henshaw-Grayburg Pool boundary be extended as shown in paragraph (z), Exhibit 1, on the basis of three wells completed therein.

Q What is your recommendation concerning the extension of the Lea-Bone Springs Pool?

A It is recommended that the Lea-Bone Springs Pool boundary be extended as shown in paragraph (aa), Exhibit 1, on the basis of one well completed therein.

Q What is your recommendation concerning the extension of the Loco Hills Pool?

A It is recommended that the Loco Hills Pool boundary be extended as shown in paragraph (bb), Exhibit 1, on the basis of three wells completed therein.

Q What is your recommendation concerning the extension



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of the Milnesand-San Andres Pool?

A It is recommended that the Milnesand-San Andres Pool boundary be extended as shown in paragraph (cc), Exhibit 1, on the basis of four wells completed therein.

Q What is your recommendation concerning the extension of the Pearl-Queen Pool?

A It is recommended that the Pearl-Queen Pool boundary be extended as shown in paragraph (dd), Exhibit 1, on the basis of three wells completed therein.

Q What is your recommendation concerning the extension of the Robinson-Grayburg Pool?

A It is recommended that the Robinson-Grayburg Pool boundary be extended as shown in paragraph (ee), Exhibit 1, on the basis of one well completed therein.

Q What is your recommendation concerning the extension of the Square Lake Pool?

A It is recommended that the Square Lake Pool boundary be extended as shown in paragraph (ff), Exhibit 1, on the basis of one producing well, to allow for waterflood project.

Q What is your recommendation concerning the extension of the Tubb Gas Pool?

A It is recommended that the Tubb Gas Pool boundary be extended as shown in paragraph (gg), Exhibit 1, on the basis of



two wells completed therein.

Q What are your recommendations concerning the extension of the Vacuum-Grayburg, San Andres Pool?

A It is recommended that the Vacuum-Grayburg, San Andres Pool boundary be extended as shown in paragraph (hh), Exhibit 1 on the basis of one well completed therein.

Q What is your recommendation concerning the extension of the Vandagriff Keys Gas Pool?

A It is recommended that the Vandagriff Keys Gas Pool boundary be extended as shown in paragraph (ii), Exhibit 1, on the basis of one well completed therein.

Q Do you have any further recommendations?

A No, sir, that is all.

MR. MORRIS: That concludes the direct examination of Mr. Ramey. I would like to offer Exhibit 1 in Case 2401.

MR. PORTER: Exhibit 1 will be admitted. The witness may be excused.

(Witness excused.)

MR. PORTER: Anything further to be observed in this case? If not, the Commission dismisses paragraph (k) as recommended, and will take the balance of the case under advisement.

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STATE OF NEW MEXICO)
:
COUNTY OF BERNALILLO)

I, Cecil R. Langford, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Roswell, 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 14th day of November, 1961.


Notary Public-Court Reporter

My Commission Expires:

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
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ALBUQUERQUE, N. M.
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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. 2401
Order No. R-2101

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CREATING, DELETING, ABOLISHING,
AND EXTENDING CERTAIN POOLS IN
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 18, 1961, at Roswell, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 23rd day of October, 1961, 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 Ellenburger formation, said pool to bear the designation North Justis-Ellenburger Pool. Said North Justis-Ellenburger Pool was discovered by Texaco, Inc., G. L. Erwin (b) NCT-2 No. 1, located in the SE/4 of Section 35, Township 24 South, Range 37 East, NMPM and in

Unit P. It was completed August 15, 1961. The top of perforations is at 8458 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 Fussleman formation, said pool to bear the designation North Justis-Fussleman Pool. Said North Justis-Fussleman Pool was discovered by J. C. Williamson, Westates Federal No. 4, located in the NW/4, Unit E, of Section 1, Township 25 South, Range 37 East, NMPM. It was completed June 24, 1961. The top of perforations is at 7000 feet.

(4) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Pennsylvanian formation, said pool to bear the designation Lea-Pennsylvanian Gas Pool. Said Lea-Pennsylvanian Gas Pool was discovered by United States Smelting, Refining and Mining Company, Federal No. 1, located in the NW/4, Unit F, of Section 11, Township 20 South, Range 34 East, NMPM. It was completed April 4, 1961. The top of perforations is at 13,034 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 Devonian formation, said pool to bear the designation Medicine Rock-Devonian Pool. Said Medicine Rock-Devonian Pool was discovered by Sinclair Oil and Gas Company, C. S. Stone No. 1, located in the NE/4, Unit G, of Section 22, Township 15 South, Range 38 East, NMPM. It was completed July 26, 1961. The top of perforations is at 12,740 feet.

(6) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation Parallel-Delaware Pool. Said Parallel-Delaware Pool was discovered by Perry R. Bass, Federal Cobb Well No. 1, located in the SW/4, Unit M, of Section 23, Township 20 South, Range 31 East, NMPM. It was completed June 24, 1953. The top of perforations is at 7003 feet.

(7) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation Pecos-Delaware Pool. Said Pecos-Delaware Pool was discovered by Curtis Hankamer, Gulf Federal Well No. 1, located in the NE/4 NE/4 and Lot 4, Unit H of Section 34, Township 26 South, Range 29 East, NMPM. It was completed August 1, 1961. The depth to casing shoe is at 2899 feet.

(8) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation Quahada Ridge-Delaware Pool. Said Quahada Ridge-Delaware Pool was discovered by Perry R. Bass, Legg Well No. 1, located in the E/2, Unit 8, of Section 27, Township 22 South, Range 30 East, NMPM. It was completed May 8, 1952. The top of perforations is at 6112 feet.

(9) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Atoka formation, said pool to bear the designation South Salt Lake-Atoka Gas Pool. Said South Salt Lake-Atoka Gas Pool was discovered by Texaco Inc., N. M. State "CH" Well No. 1, located in the E/2, Unit H, of Section 36, Township 20 South, Range 32 East, NMPM. It was completed March 13, 1960. The top of perforations is at 12,640 feet.

(10) 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 South Salt Lake-Morrow Gas Pool. Said South Salt Lake-Morrow Gas Pool was discovered by Texaco Inc., A. Richards Well No. 1, located in the SE/4, Unit P, of Section 25, Township 20 South, Range 32 East, NMPM. It was completed January 20, 1958. The top of perforations is at 12,909 feet.

(11) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Bone Springs formation, said pool to bear the designation Shugart-Bone Springs Pool. Said Shugart-Bone Springs Pool was discovered by Pan American Petroleum Corporation, Greenwood Unit Well No. 3, located in the NE/4, Unit H, of Section 27, Township 18 South, Range 31 East, NMPM. It was completed April 6, 1961. The top of perforations is at 6135 feet.

(12) That the proposed creation of a new pool in Section 27, Township 18 South, Range 31 East, Eddy County, New Mexico, for the production of oil from the Wolfcamp formation be dismissed pending further study.

(13) That there is need for the deletion of certain portions of the Cave Pool, Eddy County, New Mexico, and the Square Lake Pool, Eddy County, New Mexico. There is also need for the abolishment of the Caudill-Pennsylvanian Pool and the South Salt Lake-Pennsylvanian Gas Pool, both in Lea County, New Mexico.

(14) That there is need for the extension of the vertical limits of the Caudill-Wolfcamp pool to include the Pennsylvanian due to non-commercial pay zones in the Pennsylvanian. This pool shall be renamed the Caudill-Permo Penn. Pool.

(15) That there is need for certain extensions to the Atoka-Pennsylvanian Gas Pool, the Cave Pool, the Crawford-Pennsylvanian Gas Pool, the Culwin-Queen Pool, the West Henschaw-Grayburg Pool, the Loco Hills Pool, the Robinson-Grayburg Pool, the Square Lake Pool, and the Vandagriff-Keys Gas Pool, all in Eddy County, New Mexico, to the Allison-Pennsylvanian Pool, the Anderson Ranch-Wolfcamp Pool, the Corbin-Abo Pool, the Culwin-Queen Pool, the South Eunice Pool, the Lea-Bona Springs Pool, the Pearl-Queen Pool, the Tubb Gas Pool, and the Vacuum Grayburg-San Andres Pool, all in Lea County, New Mexico, and to the Allison-Pennsylvanian Pool and the Milnesand-San Andres Pool, both 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 Ellenburger production, is hereby created and designated as the North Justis-Ellenburger Pool, consisting of the following described area:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
Section 35: SE/4

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

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 1: NW/4

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

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
Section 11: NW/4

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, is hereby created and

designated as the Medicine Rock-Devonian Pool, consisting of the following described area:

TOWNSHIP 15 SOUTH, RANGE 38 EAST, NMPM

Section 22: NE/4

(e) That a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production, is hereby created and designated as the Parallel-Delaware Pool, consisting of the following described area:

TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM

Section 23: SW/4

(f) That a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production, is hereby created and designated as the Pecos-Delaware Pool, consisting of the following described area:

TOWNSHIP 26 SOUTH, RANGE 29 EAST, NMPM

Section 34: Lot 4 and NE/4 NE/4

(g) That a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production, is hereby created and designated as the Quahada Ridge-Delaware Pool, consisting of the following described area:

TOWNSHIP 22 SOUTH, RANGE 30 EAST, NMPM

Section 27: E/2

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

TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM

Section 36: E/2

TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPM

Section 31: S/2

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

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TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM

Section 25: SE/4

Section 36: E/2

TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPM

Section 31: S/2

(j) That a new pool in Eddy County, New Mexico, classified as an oil pool for Bone Springs production, is hereby created and designated as the Shugart-Bone Springs Pool, consisting of the following described area:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM

Section 27: NE/4

(k) That the proposed creation of a new pool in Eddy County, New Mexico, classified as an oil pool for Wolfcamp production, designated as the Shugart-Wolfcamp Pool, consisting of the following described area:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM

Section 27: NE/4

is hereby dismissed.

(l) That the Cave Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 3: NW/4 NW/4

(m) That the Caudill-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined and described, and consisting of the following described area:

TOWNSHIP 15 SOUTH, RANGE 36 EAST, NMPM

Sections 4, 5, 8, and 9: All

is hereby abolished.

(n) That the South Salt Lake-Pennsylvanian Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, and consisting of the following described area:

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TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM

Section 25: SE/4

is hereby abolished.

(o) That the Square Lake Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 9: NE/4 SE/4

(p) That the Allison-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM

Section 25: SE/4

TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPM

Section 32: NE/4 and S/2 NW/4

Section 33: N/2

Section 28: S/2 S/2

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM

Section 5: E/2

(q) That the Anderson Ranch-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 32 EAST, NMPM

Section 28: SE/4

Section 33: NE/4

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

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM

Section 22: NW/4

(s) That the vertical limits of the Caudill-Wolfcamp Pool be extended to include the Pennsylvanian, and rename the Caudill-Wolfcamp Pool to be Caudill-Permo Penn. Pool.

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

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 9: NE/4 SE/4

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

TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM
Section 32: SE/4
Section 34: SE/4

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

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 6: SW/4

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

TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
Section 26: SW/4
Section 27: SE/4

(x) That the Culwin-Queen 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 5: N/2

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

TOWNSHIP 22 SOUTH, RANGE 36 EAST, NMPM
Section 24: N/2

(z) That the West Henshaw-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby

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extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM

Section 1: SW/4

Section 2: NE/4 SE/4

Section 12: N/2 NW/4

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

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM

Section 12: SE/4

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

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM

Section 20: SE/4

Section 29: N/2 NW/4

Section 30: NE/4 NE/4

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM

Section 17: NW/4

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

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM

Section 13: S/2

TOWNSHIP 8 SOUTH, RANGE 35 EAST, NMPM

Section 18: W/2

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

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM

Section 20: SE/4

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM

Section 4: SW/4

Section 9: NE/4 NW/4

-10-

CASE NO. 2401

Order No. R-2101

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

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Section 11: S/2 SE/4

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

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 3: NW/4 NW/4

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

TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM

Section 31: W/2 SE/4 and SE/4 SE/4

Section 32: NW/4

(hh) That the Vacuum Grayburg-San Andres Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM

Section 31: S/2

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

TOWNSHIP 17 SOUTH, RANGE 20 EAST, NMPM

Section 2: SW/4

IT IS FURTHER ORDERED:

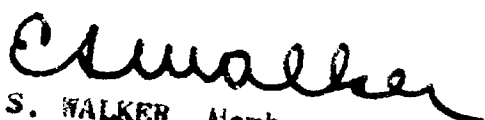
That the effective date of this order and all creations and extensions, deletions and abolishments included herein, shall be November 1, 1961.


-11-
CASE NO. 2401
Order No. R-2101

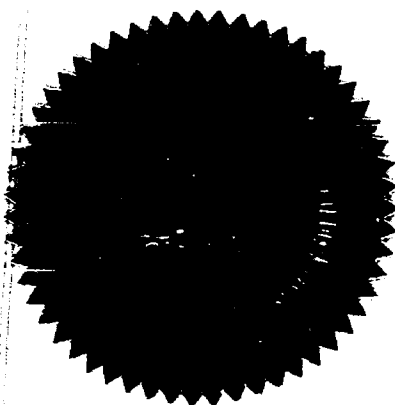
DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


EDWIN L. MECHEM, Chairman


E. S. WALKER, Member


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



199/

JK

NOMENCLATURE ADVERTISEMENT FOR OCTOBER 1961
CASE NO. 2-110

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 abolishment and extension of certain existing pools in Eddy, Lea, and Roosevelt Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, abolishments, and extensions should not be made.

a) ^{oil} CREATE a new pool in ~~Lea County, New Mexico, classified as an oil~~ pool for Ellenburger production, designated as the North Justis-Ellenburger Pool, and described as:

✓ TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
SECTION 35: SE/4

b) CREATE a new pool in ~~Lea County, New Mexico, classified as an oil~~ pool for Fussleman production, designated as the North Justis-Fussleman Pool, and described as:

✓ TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
SECTION 1: NW/4

c) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Lea-Pennsylvanian Pool, and described as: 413

✓ TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 11: NW/4

d) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the Medicine Rock-Devonian Pool, and described as:

✓ TOWNSHIP 15 SOUTH, RANGE 38 EAST, NMPM
SECTION 22: NE/4

e) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production, designated as the Parallel-Delaware Pool, and described as:

✓ TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
SECTION 25: SW/4

f) CREATE a new pool in Eddy County, New Mexico, classified as an oil Pool for Delaware production, designated as the Pecos-Delaware Pool, and described as:

✓ TOWNSHIP 26 SOUTH, RANGE 29 EAST, NMPM
SECTION 34: Lot 4 and NE/4 NE/4

October 1961 Nomenclature Advertisement

g) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production, designated as the Quahada Ridge-Delaware Pool, and described as:

✓ ²² ³⁰
TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM
SECTION 27: E/2

h) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production, designated as the South Salt Lake-Atoka Gas Pool, and described as:

✓ TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM
SECTION 36: E/2

✓ TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPM
SECTION 31: S/2

i) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production, designated as the South Salt Lake-Morrow Gas Pool, and described as:

✓ TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM
SECTION 25: SE/4
SECTION 36: E/2

✓ TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPM
SECTION 31: S/2

j) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Bone Springs production, designated as the Shugart-Bone Springs Pool, and described as:

✓ TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
SECTION 27: ~~NW/4~~ NE/4

k) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Wolfcamp production, designated as the Shugart-Wolfcamp Pool, and described as:

~~Contract~~ ✓ TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
~~DELETED~~ SECTION 27: NE/4

1) ~~ABOLISH~~ the Cave Pool in Eddy County, New Mexico, described as:

✓ TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 3: NW/4 NW/4

m) ABOLISH the Caudill-Pennsylvanian Pool in Lea County, New Mexico, described as:

✓ TOWNSHIP 15 SOUTH, RANGE 36 EAST, NMPM
SECTION: 4, 5, 8, and 9 --
(All of sections)

October 1961 Nomenclature Advertisement

n) ABOLISH the South Salt Lake-Pennsylvanian Gas Pool in Lea County, New Mexico, described as:

Contract
General
TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM
SECTION 25: SE/4

o) ~~ABOLISH~~ the Square Lake Pool in Eddy County, New Mexico, described as:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 9: NE/4 SE/4

p) EXTEND the Allison-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, described to include therein:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM
SECTION 25: SE/4

TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPM
SECTION 32: NE/4 and S/2 NW/4
SECTION 33: W/2 NW/4

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM
SECTION 5: SE/4

q) EXTEND the Anderson Ranch-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 32 EAST, NMPM
SECTION 28: SE/4
SECTION 33: NE/4

r) EXTEND the Atoka-Pennsylvanian Gas Pool in Eddy County, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
SECTION 22: NW/4

s) EXTEND VERTICAL LIMITS of Caudell-Wolfcamp in Lea County, New Mexico, to:

FROM: Wolfcamp
TO: WOLF CAMP & PENNSYLVANIAN

and rename re. name said pool Caudell Permian - Permian
t) EXTEND the Cave Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 9: NE/4 SE/4

u) EXTEND the Corbin-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM
SECTION 34: SE/4

October 1961 Nomenclature Advertisement

v) EXTEND the Corbin-Queen Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
SECTION 6: SW/4

w) EXTEND the Crawford-Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
SECTION 27: SE/4
SECTION 26: SW/4

x) EXTEND the Culwin-Queen Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
SECTION 5: N/2

(y) ✗ *So. Eunice* EXTEND the ~~East~~ (OH) Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 36 EAST, NMPM
SECTION 24: ~~SW/4~~

(z) ✗ EXTEND the West Henshaw-Grayburg Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM
SECTION 1: SW/4
SECTION 12: N/2 NW/4

aa) EXTEND the Lea-Bone Springs Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 12: SE/4

bb) EXTEND the Loco Hills Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM
SECTION 17: NW/4

✓ TOWNSHIP 13 SOUTH, RANGE 29 EAST, NMPM
SECTION 20: SE/4
SECTION 29: N/2 NW/4
SECTION 30: NE/4 NE/4

October 1961 Nomenclature Advertisement

cc) EXTEND the Milnesand-San Andres Pool in Roosevelt County, New Mexico, to include therein:

✓ TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
SECTION 13: S/2

✓ TOWNSHIP 8 SOUTH, RANGE 35 EAST, NMPM
SECTION 18: W/2

dd) EXTEND the Pearl-Queen Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM
SECTION 20: SE/4

✓ TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
SECTION 9: NE/4 NW/4

ee) EXTEND the Robinson-Grayburg Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM
SECTION 11: S/2 SE/4

ff) EXTEND the Square Lake Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 3: NW/4 NW/4

gg) EXTEND the Tubb-Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM
SECTION 31: W/2 SE/4 and SE/4 SE/4
SECTION 33: NW/4

hh) EXTEND the *Vacuum (Grayburg - San Andres)* ~~Vacuum Grayburg - San Andres~~ in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 31: S/2

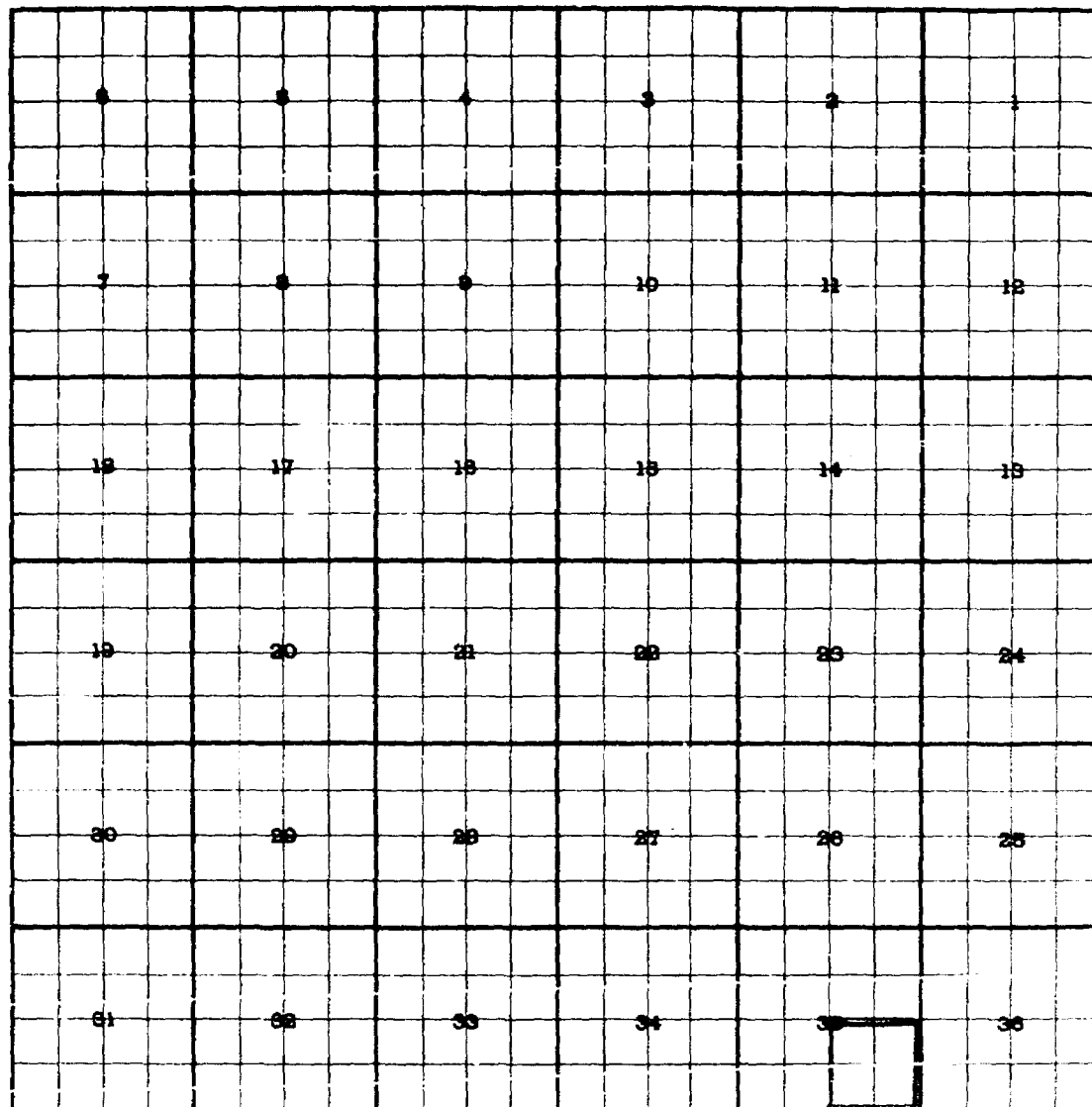
ii) EXTEND the Vandagriff-Keys Gas Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
SECTION 2: SW/4

CASE 2401: (a) CREATION OF AN OIL POOL

County LEA Pool NORTH JUSTIS-ELLENBURGER

TOWNSHIP 24 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



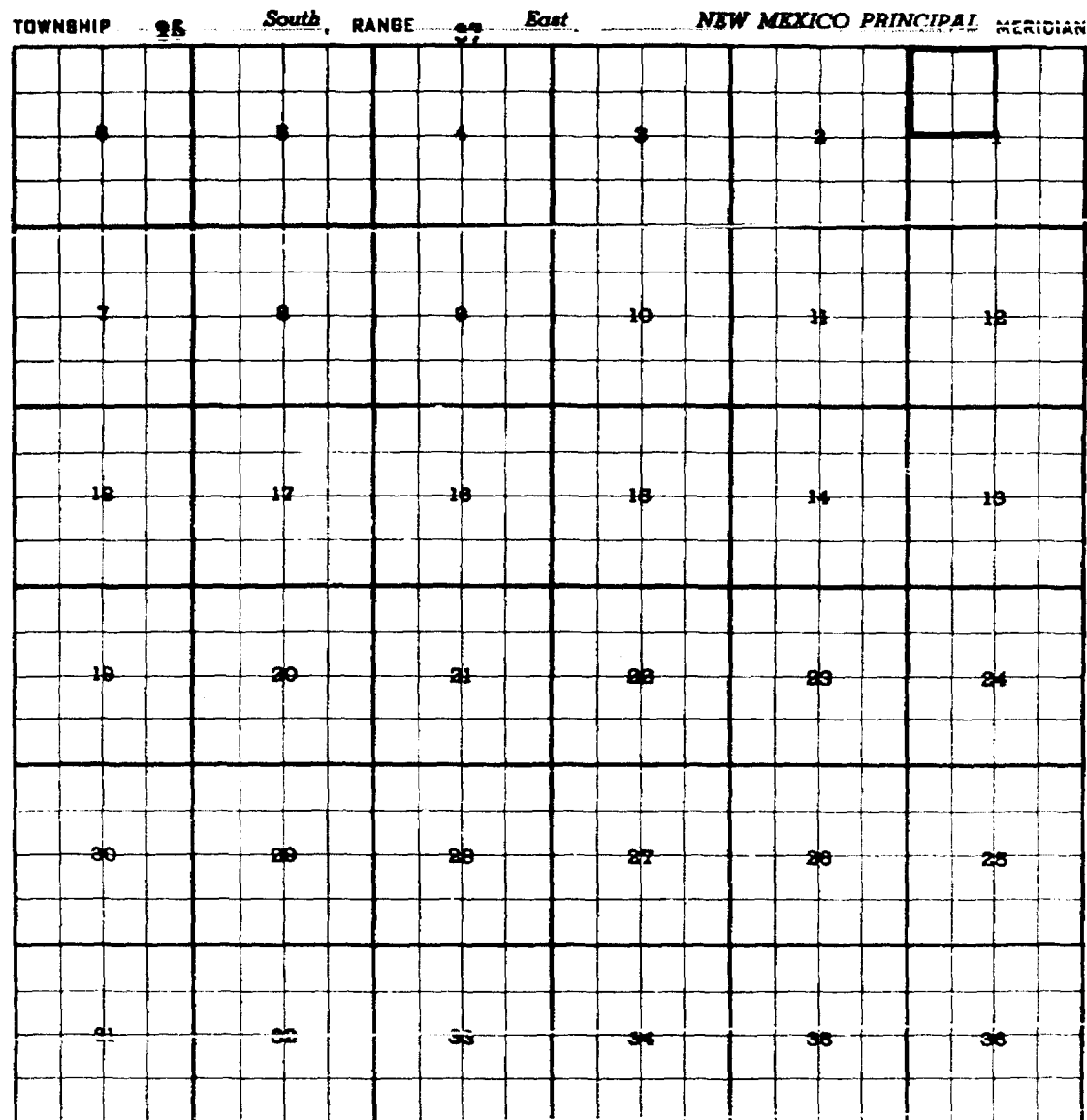
PURPOSE: One completed oil well capable of producing.

DISCOVERY WELL: TEXACO, INC. - G. L. Erwin (b) NCT-2 No. 1 in Unit P
of Section 35-24-37. Completed in Ellenburger August 15,
1961. Top of perforations 8458'.

Proposed pool boundary colored in green. SECTION 35: SE/4

CASE 2401: (b) CREATION OF AN OIL POOL

County LEA Pool NORTH JUSTIS-FUSSELMAN



PURPOSE: One completed oil well capable of producing.

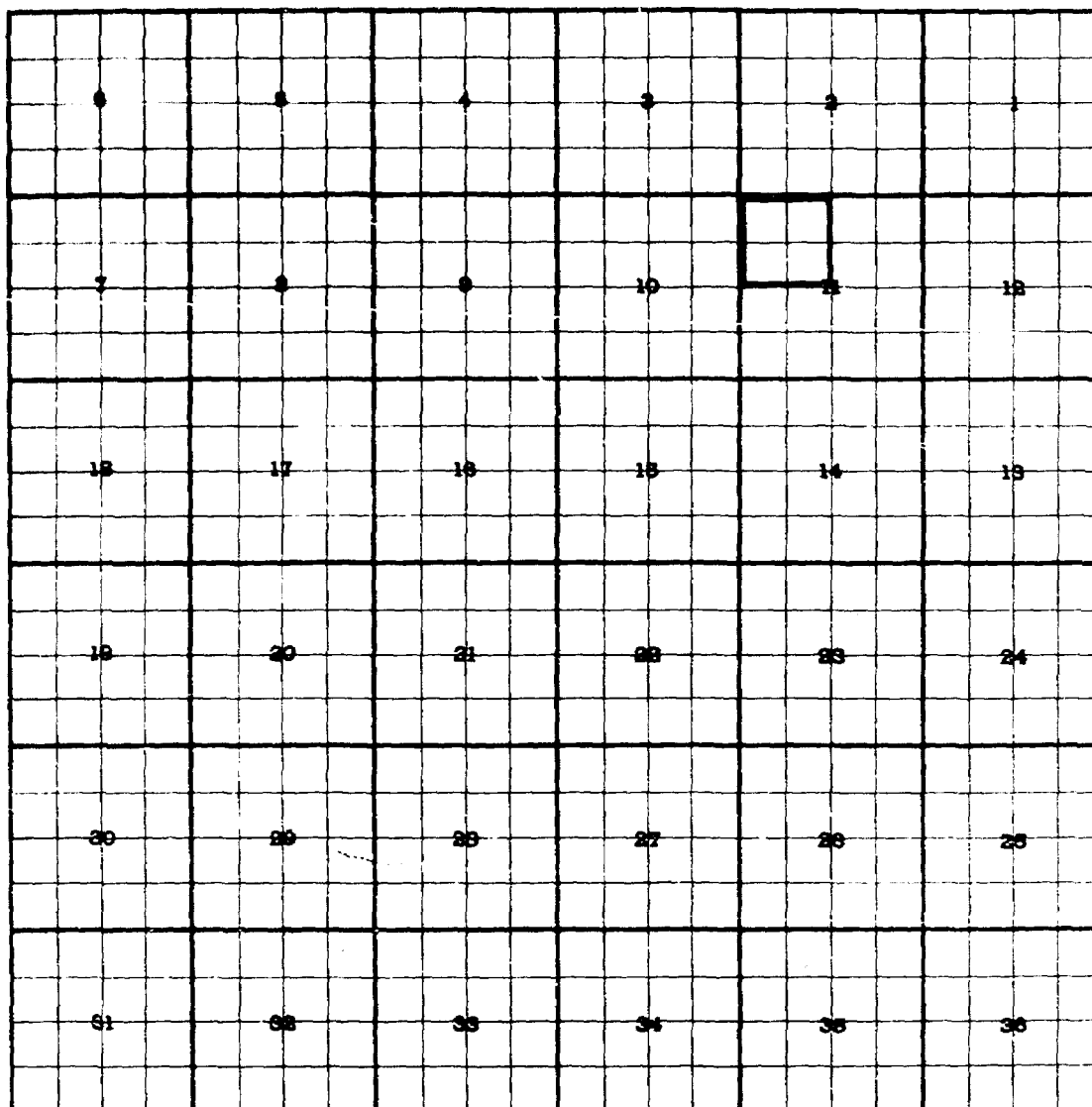
DISCOVERY WELL: J. C. WILLIAMSON - Westates Federal No. 4 in Unit E of
Section 1-25-37. Completed in Fusselman June 24, 1961
Top of perforations 7000'.

Proposed pool boundary colored in green. SECTION 1: NW/4

CASE 2401: (c) CREATION OF A GAS POOL

County LEA Pool LEA-PENNSYLVANIAN GAS POOL

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



PURPOSE: One completed gas well capable of producing.

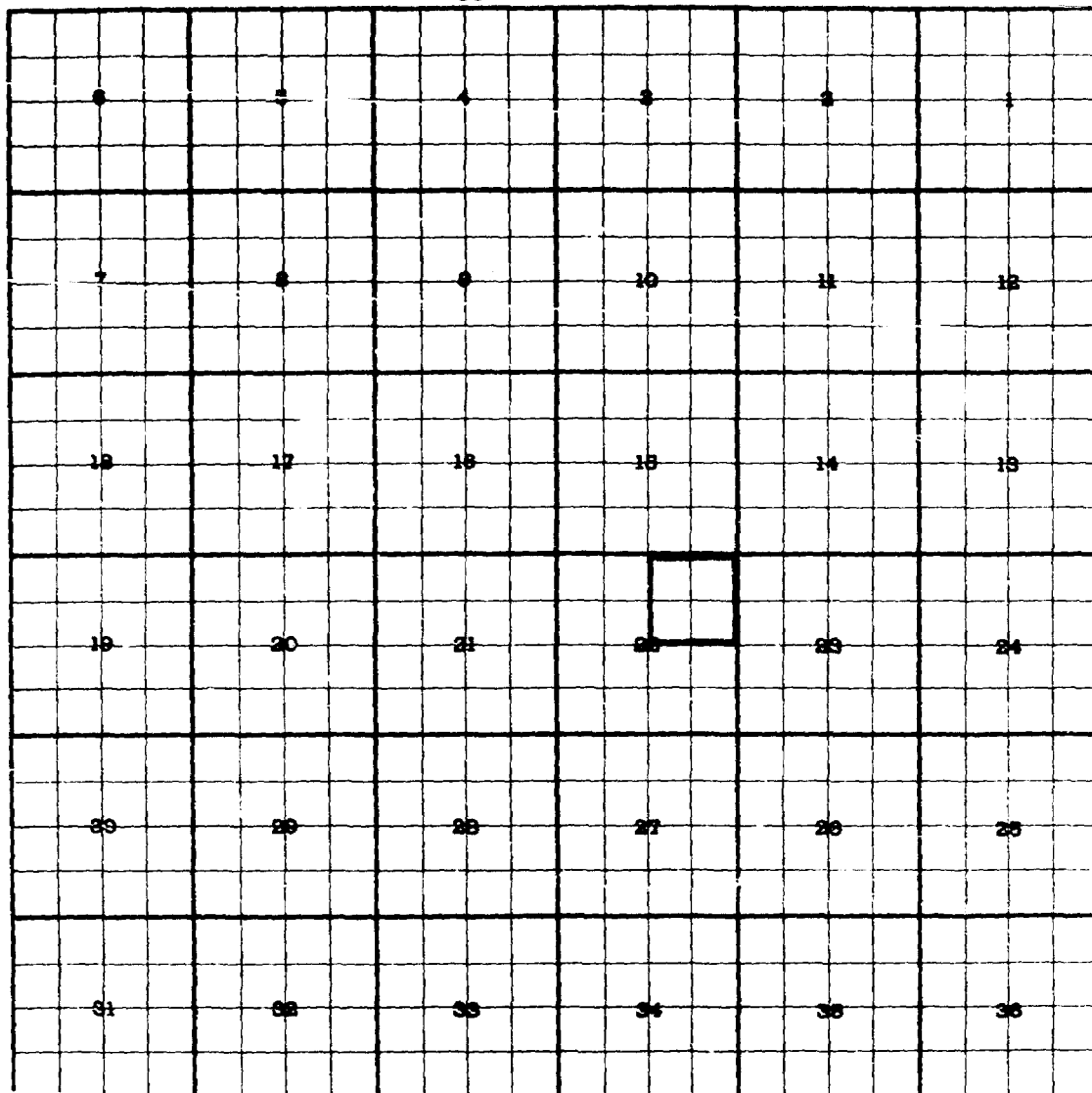
DISCOVERY WELL: UNITED STATES SHELTING, REFINING & MINING CO. - Federal
No. 1 in Unit F of Section 11-20-34. Completed in
Pennsylvanian April 4, 1961. Top of perforations 13,034'

Proposed boundary is green. SECTION 11: NW/4

CASE 2401: (d) CREATION OF AN OIL POOL

County LEA Pool MEDICINE ROCK-DEVONIAN

TOWNSHIP 15 *South*, RANGE 38 *East*, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

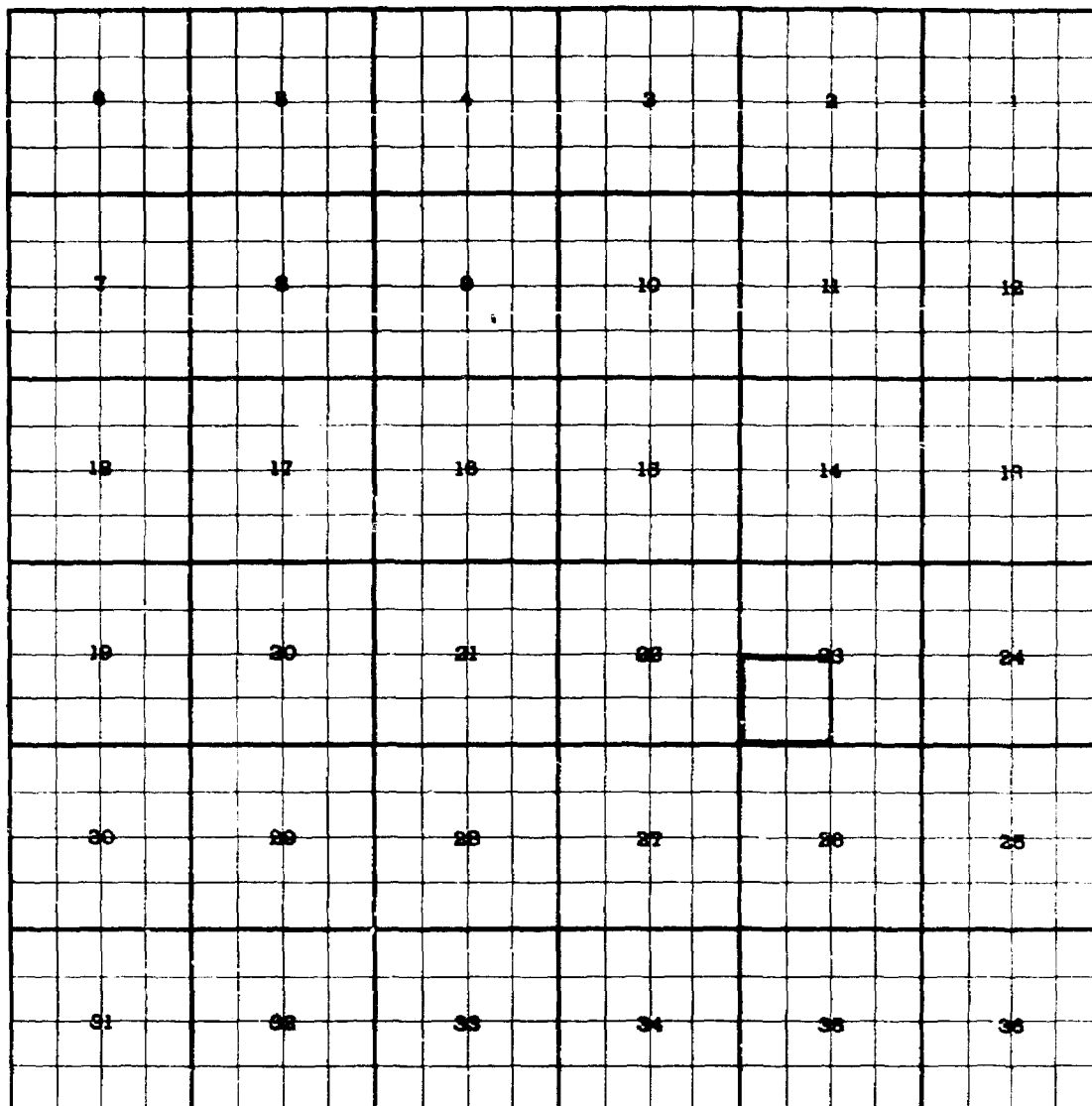
DISCOVERY WELL: SINCLAIR OIL & GAS CO. - O. S. Stone No. 1 in Unit C of
Section 22-15-38. Completed in Devonian July 28, 1961.
Top of Perforations 12,740'.

Proposed pool boundary colored in green. SECTION 22: NE/4

CASE 2401: (e) CREATION OF AN OIL POOL

County EDDY Pool PARALLEL-DELAWARE

TOWNSHIP 20 South, RANGE 31 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

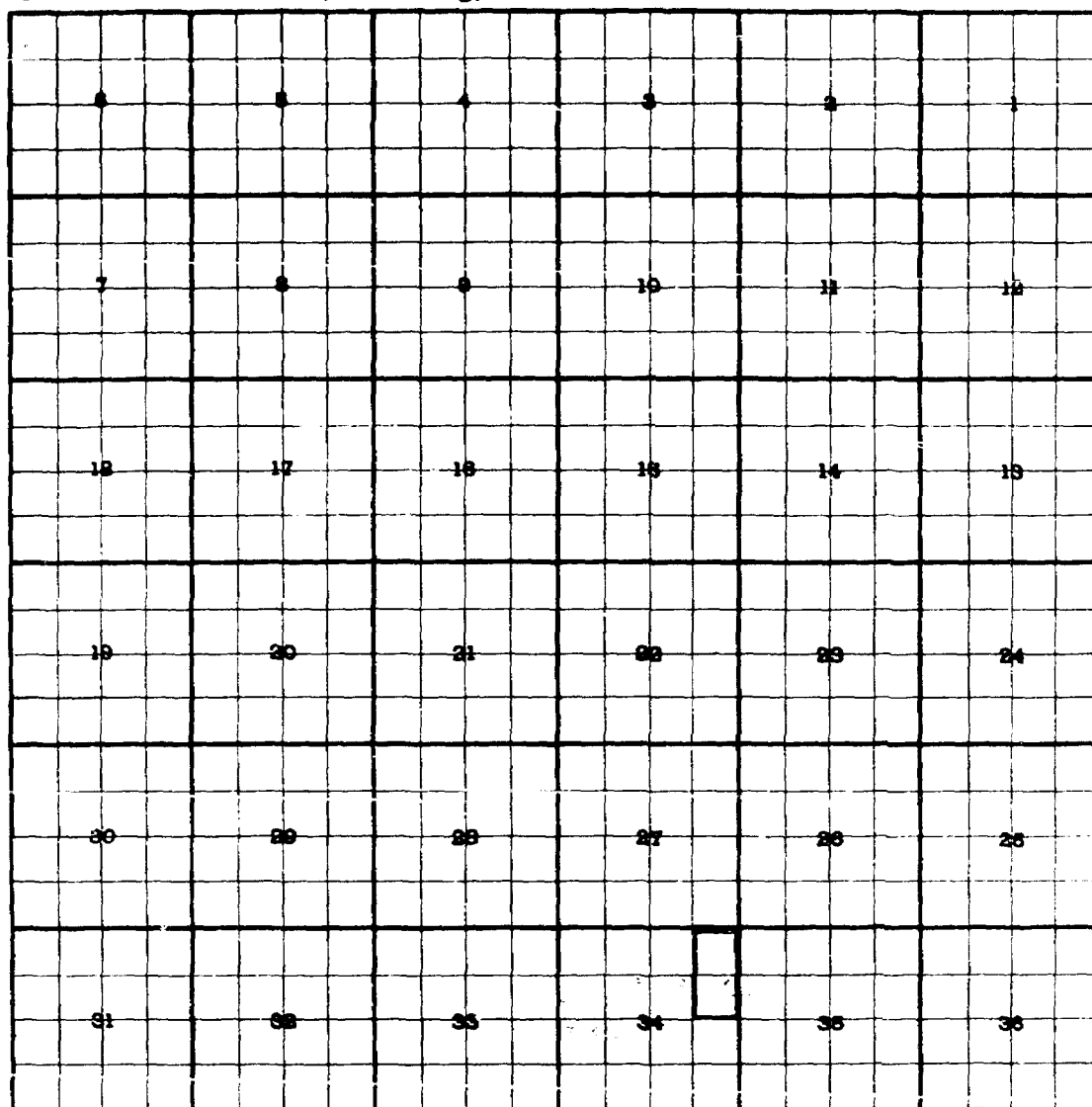
DISCOVERY WELL: FERRY R. BASS - Federal Cobb Well No. 1 in Unit N of
Section 22-20-31. Completed in Delaware June 24, 1953.
Top of perforations 7003'.

Proposed pool boundary colored in green. SECTION 23: SW/4

CASE 2401: (f) CREATION OF AN OIL POOL

County EDDY Pool PECOS-DELANARE

TOWNSHIP 26 *South*, RANGE 29 *East*, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

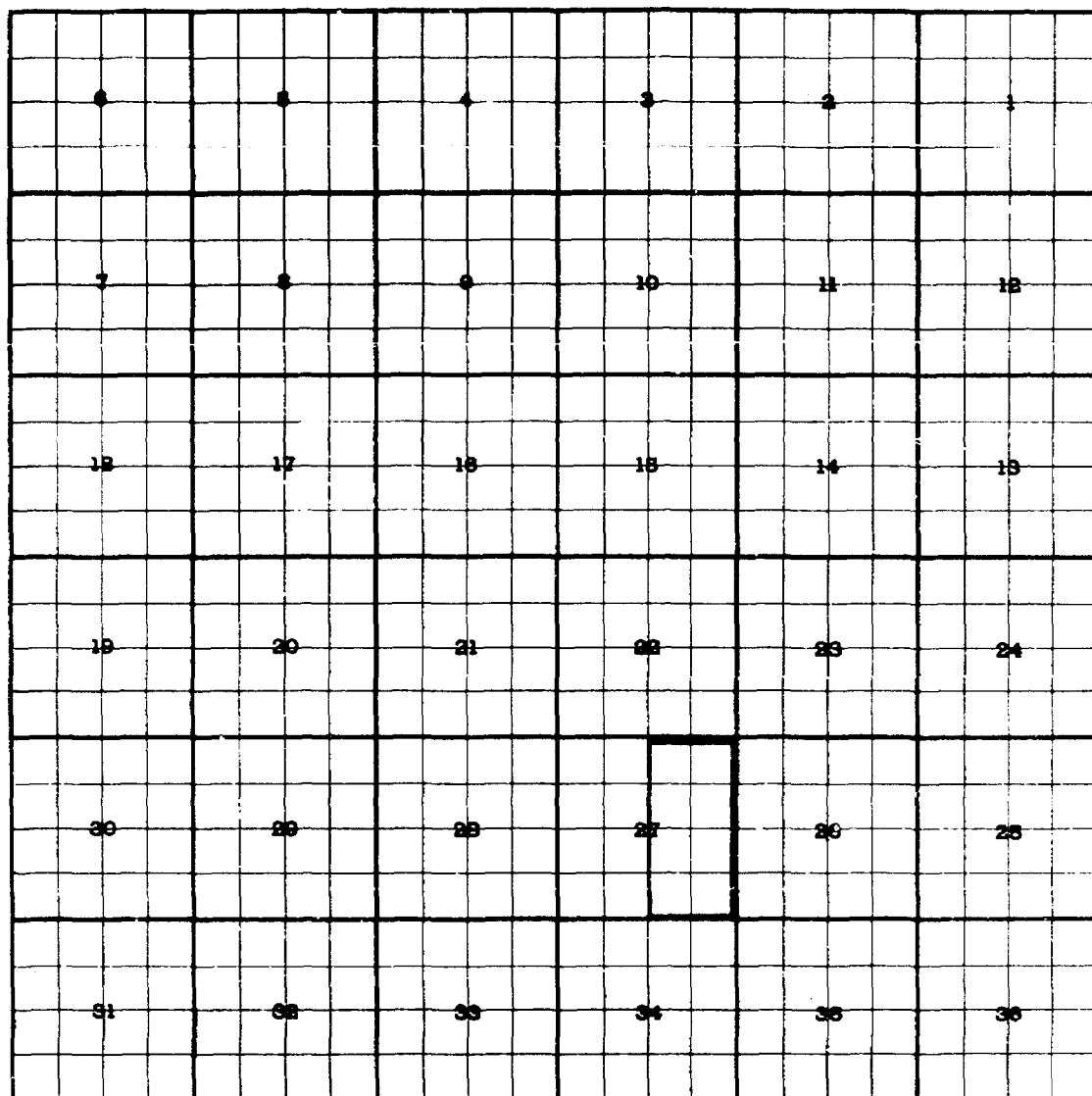
DISCOVERY WELL: CURTIS HANKAMER - Gulf Federal Well No. 1 in Unit H of
Section 34-26-29. Completed in Delaware August 1, 1961.
Depth to casing shoe 2899'.

Proposed pool boundary colored in green. SECTION 34: Lot 4 & NE/4 NE/4

CASE 2401: (g)CREATION OF AN OIL POOL

County EDDY Pool QUAHADA RIDGE-DELAWARE

TOWNSHIP 22 South, RANGE 30 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

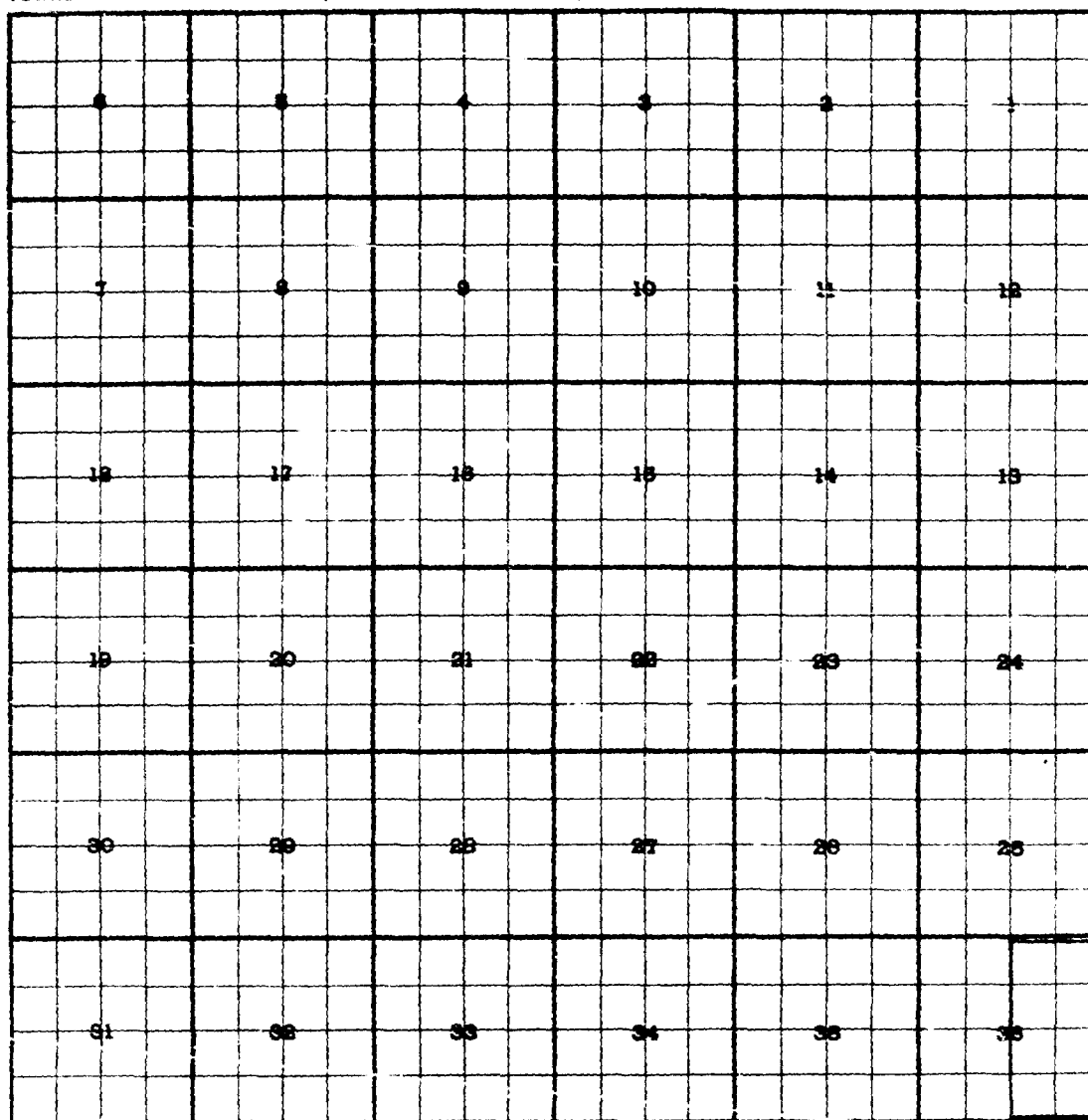
DISCOVERY WELL: PERRY R. BASS - Legg Well No. 1 in Unit B of Section 27-
22-21-30. Completed in Delaware May 8, 1952. TOP OF
PERFORATIONS 6112'.

Proposed pool boundary colored in green. SECTION 27: E/2

CASE 2401: (h) CREATION OF A GAS POOL (Continued on next page)

County LEA Pool SOUTH SALT LAKE-ATOKA GAS

TOWNSHIP 20 South, RANGE 32 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Two (2) completed gas wells capable of producing. (One gas well is drilling)

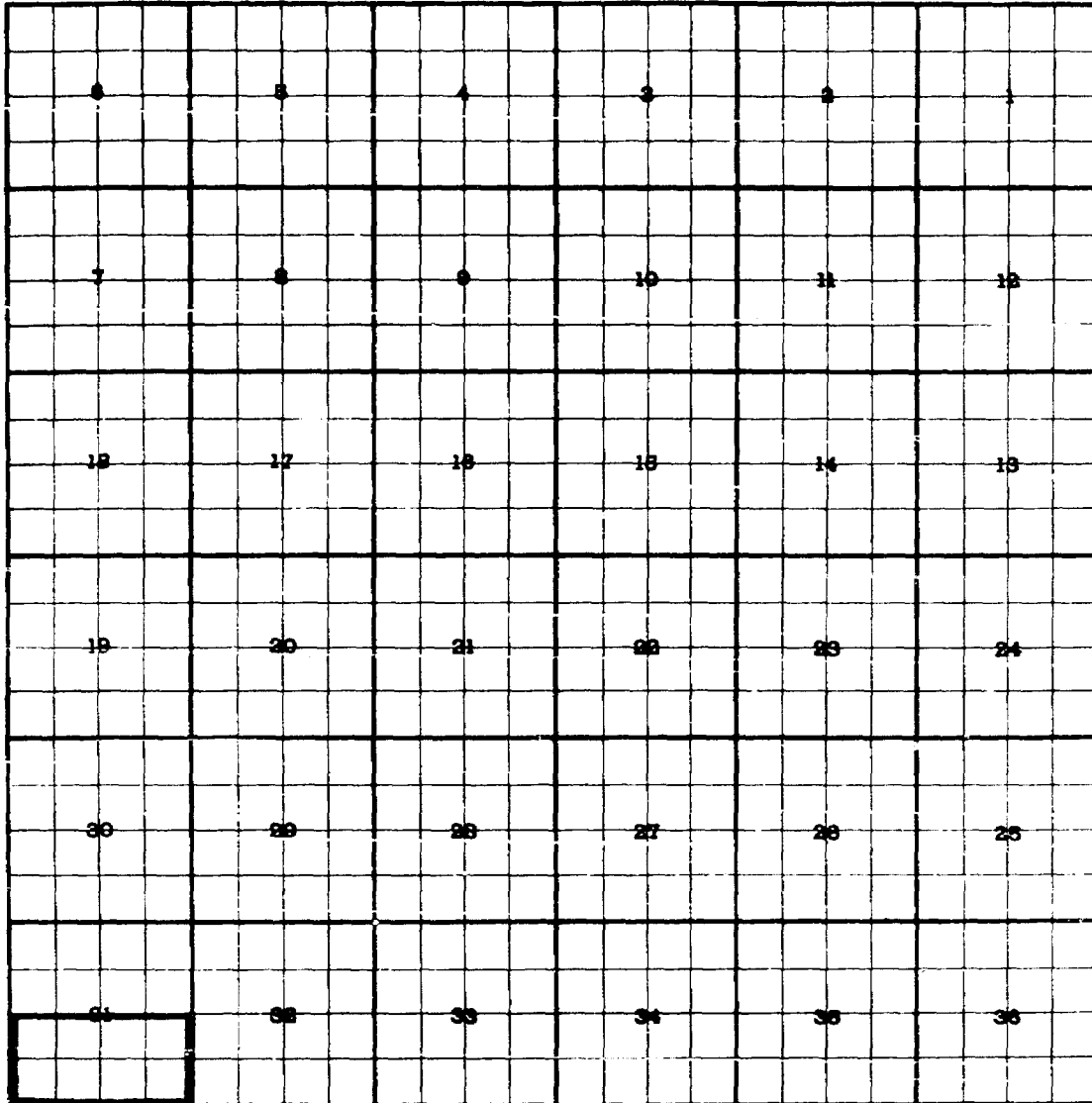
DISCOVERY WELL: TENAGO, INC. - N. M. State "CH" No. 1 in Unit H of
Section 36-20-32. Completed in Atoka March 18, 1960.
TOP OF PERFORATIONS 12,640'.

Proposed pool boundary colored in green. SECTION 36--E/2

CASE 2401: (h) CREATION OF A GAS POOL (Continued)

County Lea Pool SOUTH SALT LAKE-ATOKA GAS POOL

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



PURPOSE: As stated on first page of Exhibit(1) paragraph (h).

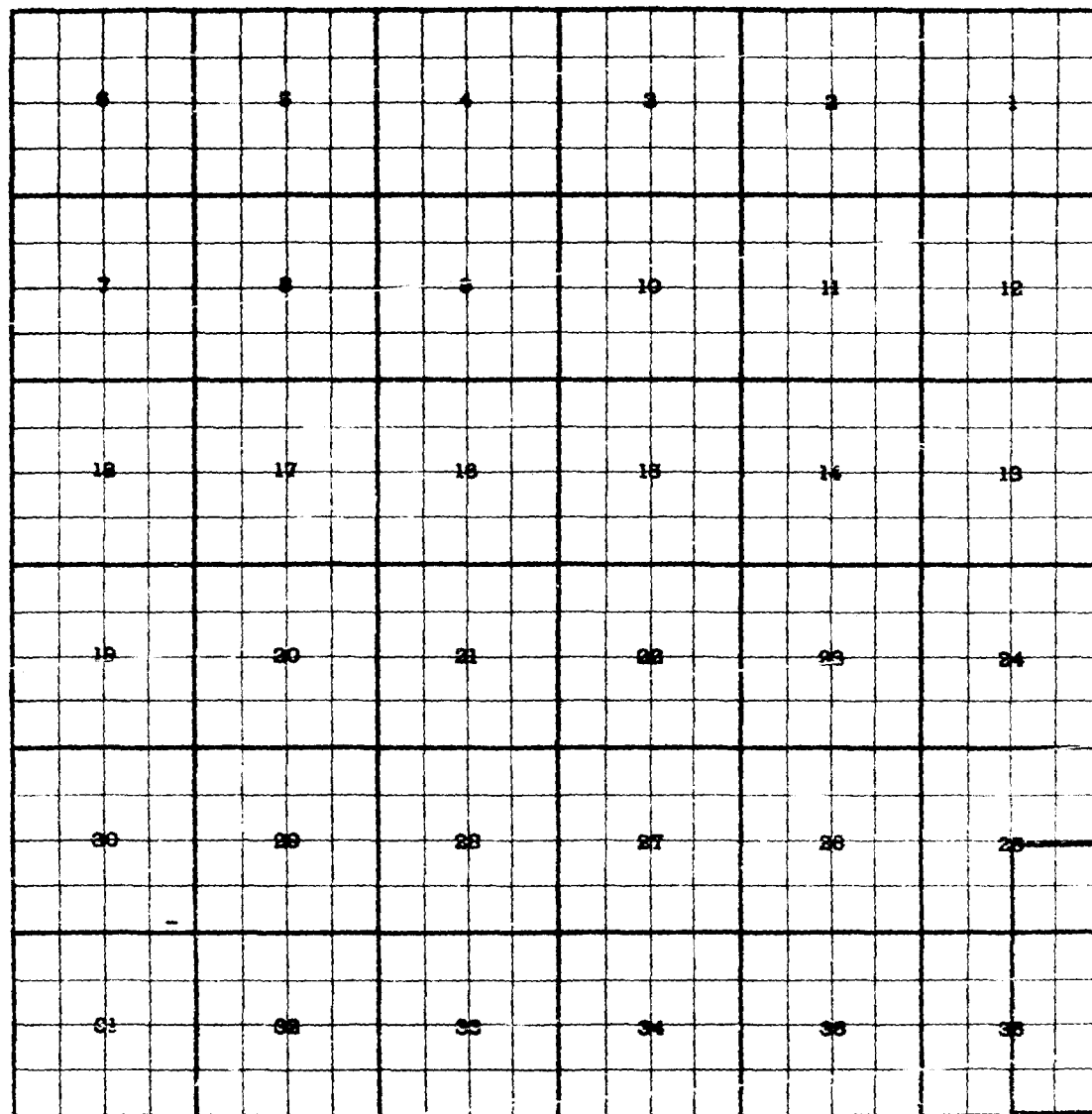
Texaco, Inc. - N. M. State "CM" (Drilling Well) No. 1 in Unit 0 of Section
31-20-33. Completed in Atoka July 18, 1961. TOP OF
PERFORATIONS 13,288'.

Proposed pool boundary colored in green. SECTION 31: S/2

CASE 2401: (1) CREATION OF A GAS POOL (Continued on next page)

County LEA Pool SOUTH SALT LAKE-MORROW GAS POOL

TOWNSHIP 20 South, RANGE 32 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Three (3) completed gas wells capable of producing.

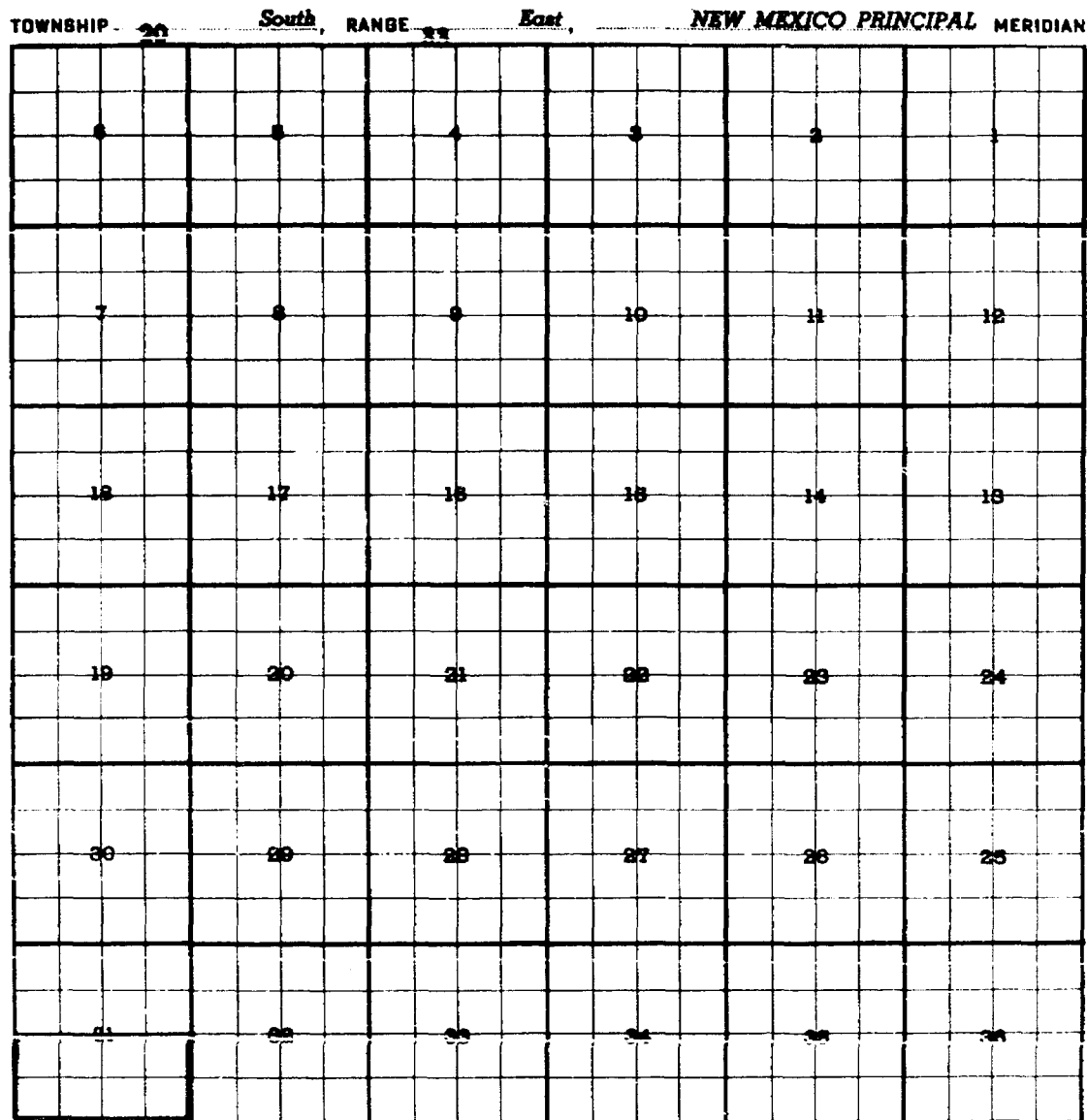
DISCOVERY WELL: TEXACO, INC. - A. Richards Well No. 1 in Unit P of
Section 25-20-32. Completed in Morrow January 20, 1958.
TOP OF PERFORATIONS 12,909'.

TEXACO, INC. - N. M. State "CH" No. 1 in Unit R of
Section 36-20-32. Completed in Morrow March 13, 1960.
TOP OF PERFORATIONS 13,292'.

Proposed pool boundary colored in green. SECTION 25: SE/4
SECTION 36: E/2

CASE 2401: (1) CREATION OF A GAS POOL (Continued)

County LEA Pool SOUTH SALT LAKE-MORROW GAS POOL



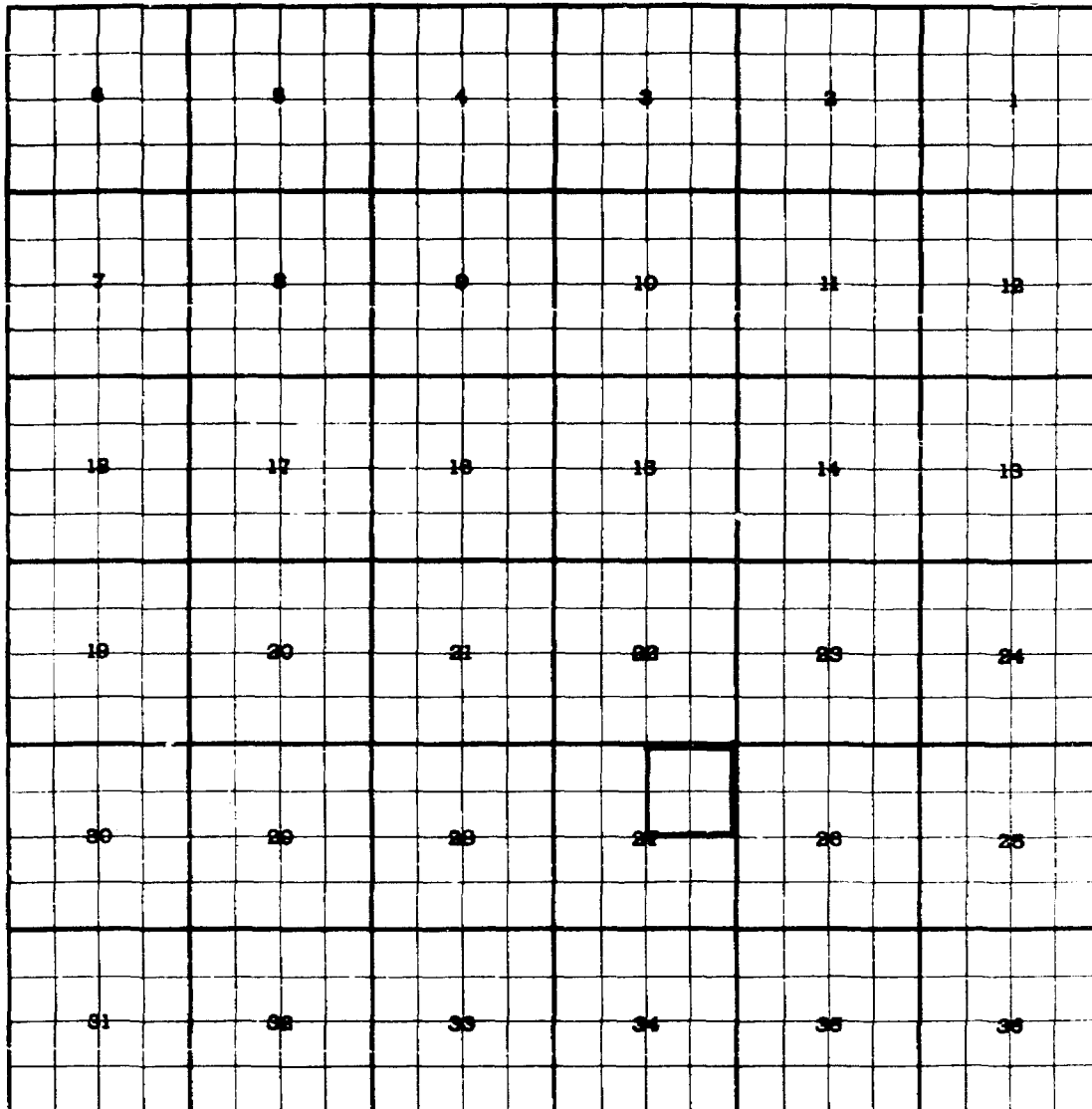
PURPOSE: As stated on first page of Exhibit (1)
TEXAGO, INC.-N. M. State "CM" (Drilling Well) No. 1 in Unit 0 of Section
 31-20-33. Completed in Morrow July 18, 1961. TOP OF
 PERFORATIONS 13,288'.

Proposed pool boundary colored in green. SECTION 31: S/2

CASE 2401: (j) CREATION OF AN OIL POOL

County EDDY Pool SUGART-BONE SPRINGS

TOWNSHIP 18 South, RANGE 31 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

DISCOVERY WELL: PAN AMERICAN PET. CORP. - Greenwood Unit No. 3 in Unit H
of Section 27-18-31. Completed in Bone Springs April 6,
1961. TOP OF PERFORATIONS 8135'.

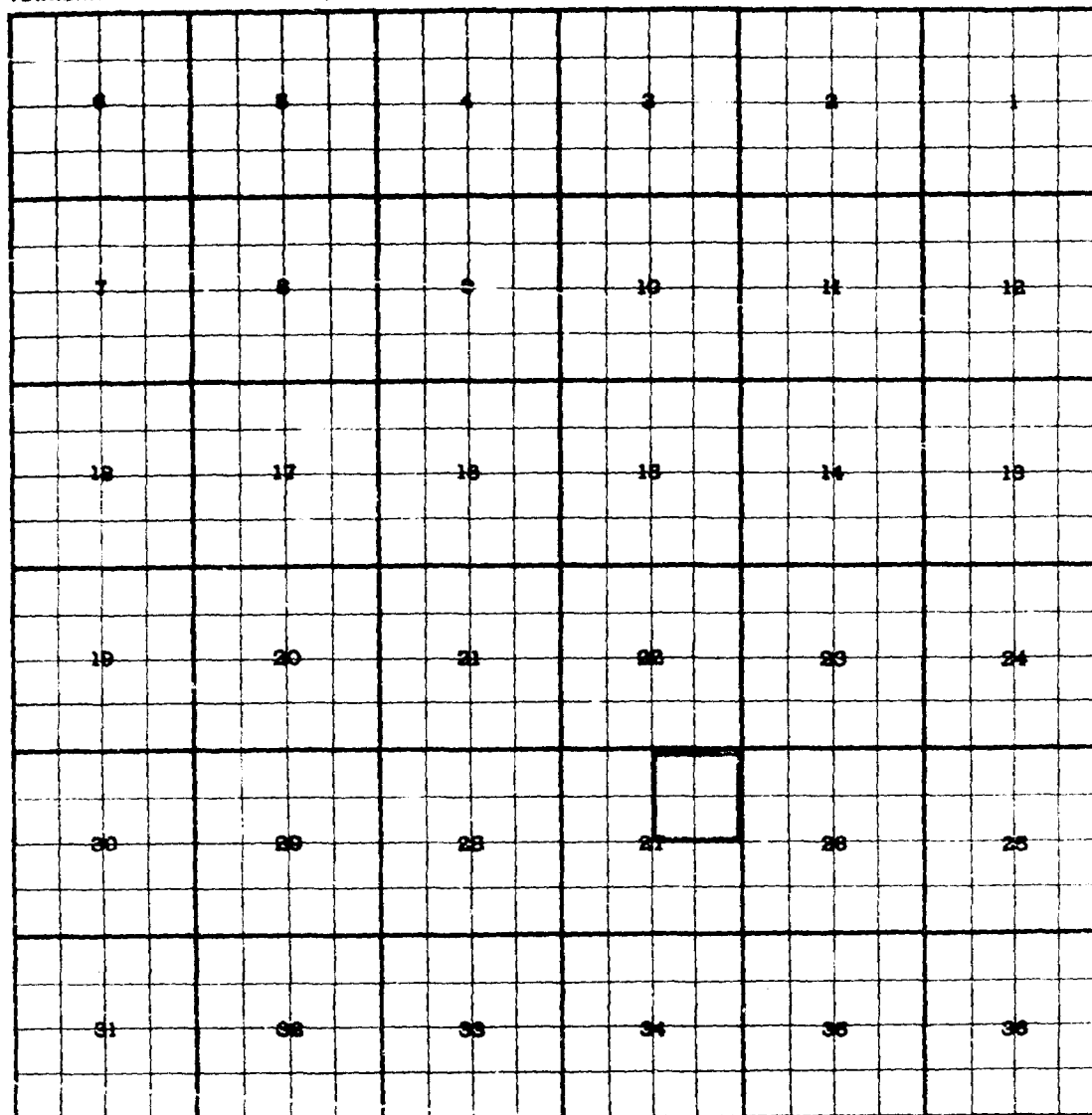
Proposed pool boundary colored in green. SECTION 27: NE/4

CASE 2401: (k) CREATION OF AN OIL POOL

TO BE DISMISSED PENDING FURTHER STUDY

County EDDY Pool SHUGART-WOLF CAMP

TOWNSHIP 18 South, RANGE 31 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

DISCOVERY WELL: PAN AMERICAN PET. CORP. - Greenwood Unit No. 3 in Unit H
of Section 27-18-31. Completed in Wolfcamp March 1, 1961.
TOP OF PERFORATIONS 9785'.

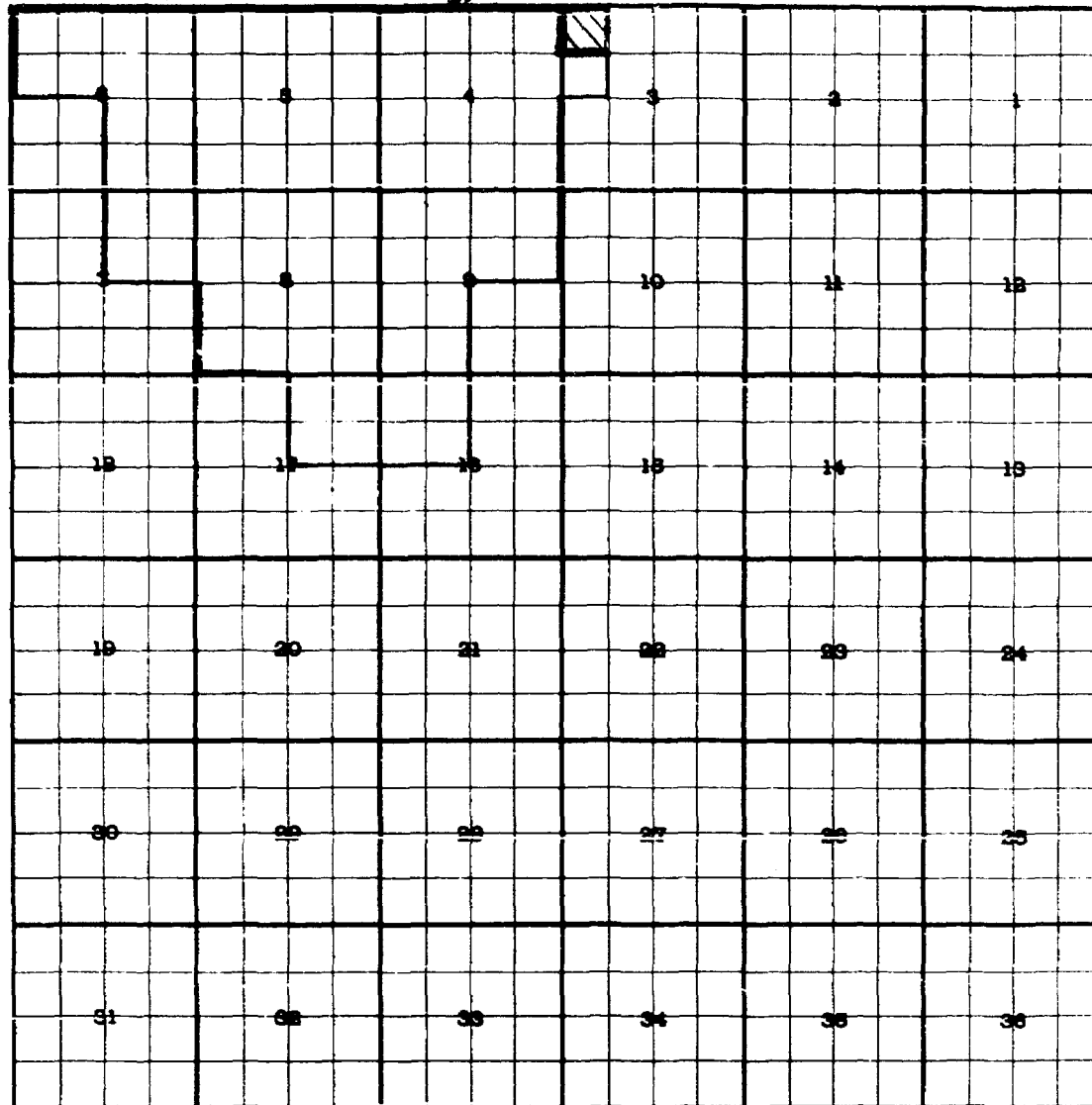
Proposed pool boundary colored in green. SECTION 27: NE/4

TO BE DISMISSED PENDING FURTHER STUDY

CASE 2401: (1) DELETION OF CERTAIN PORTIONS OF AN EXISTING OIL POOL

County EDDY Pool CAVE

TOWNSHIP 17 South, RANGE 29 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Delete from Cave Pool and extend to Square Lake Pool in order to form a waterflood unit.

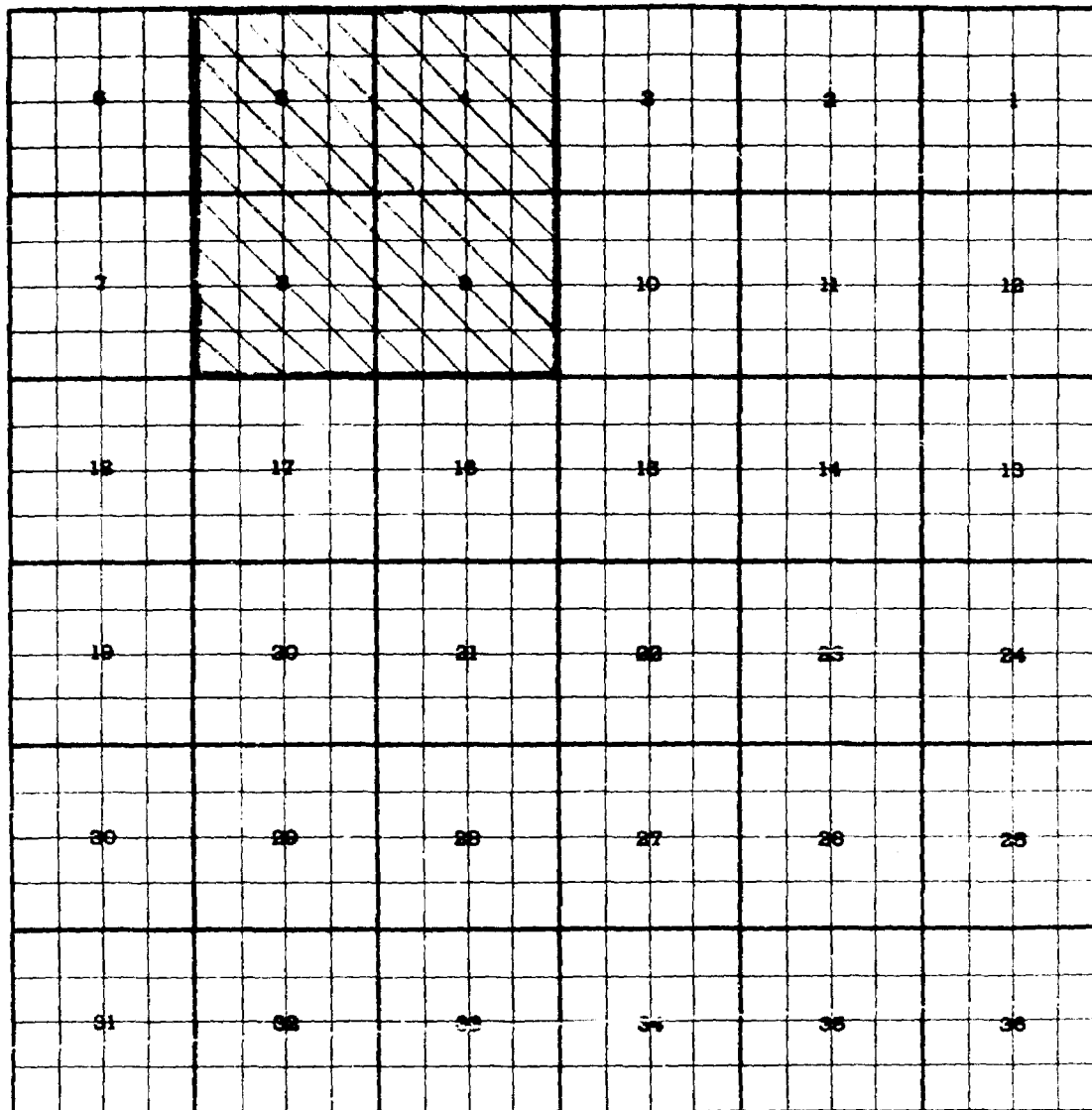
Pool boundary colored in red.

Proposed deletions colored in blue. SECTION 3: NW/4 NW/4

CASE 2401: (m) ABOLISHMENT OF AN EXISTING OIL POOL

County LEA Pool CAUDILL PENNSYLVANIAN

TOWNSHIP 15 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



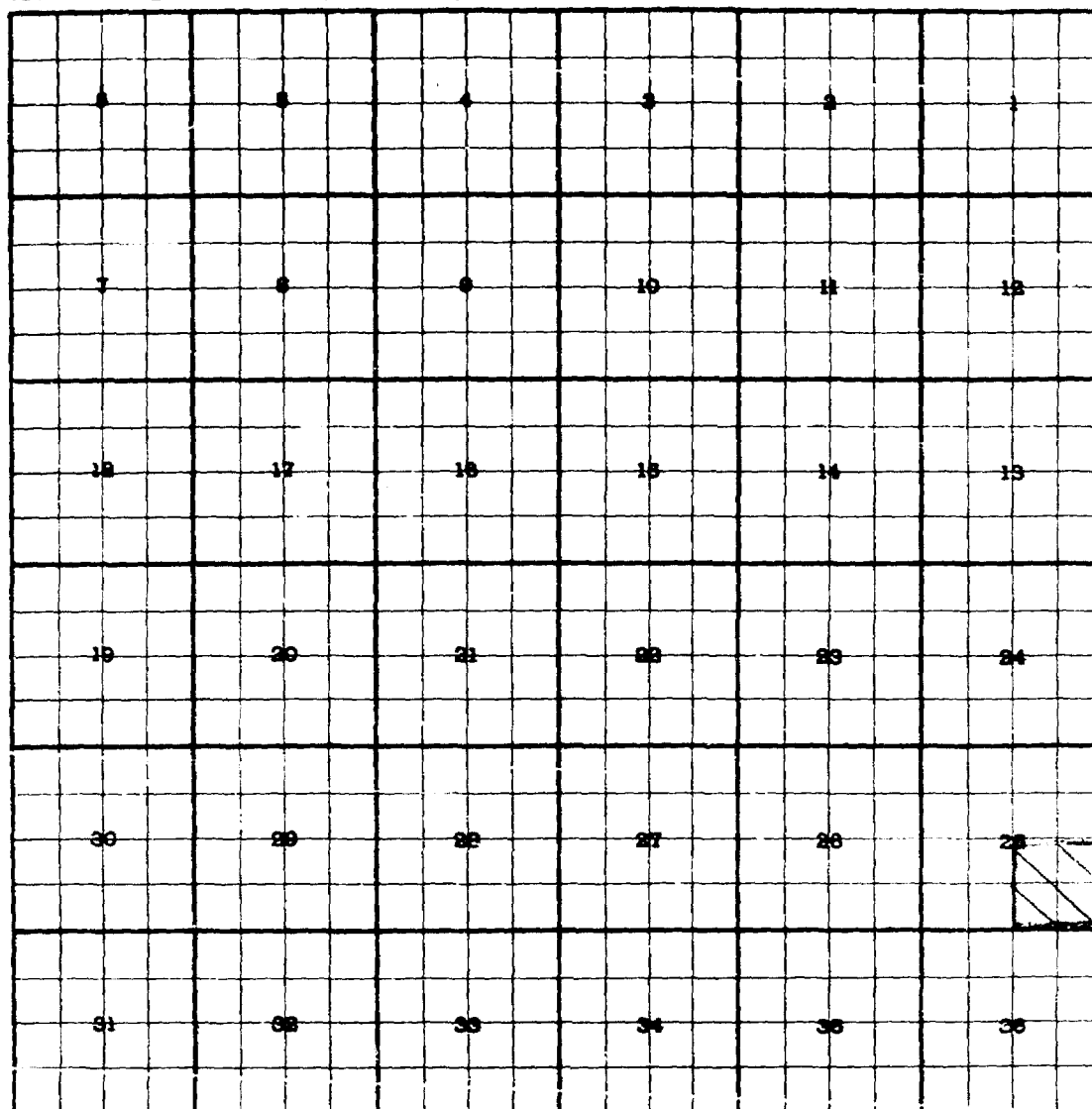
PURPOSE: Due to non-commercial production - vertical limits of Caudill Wolfcamp to be extended to take in Pennsylvanian formation.

Proposed abolishment colored in blue. SECTIONS (All) 4, 5, 8, & 9

CASE: 2401: (n) ABOLISHMENT OF AN EXISTING GAS POOL

County LEA Pool SOUTH SALT LAKE-PENNSYLVANIAN GAS

TOWNSHIP 20 South, RANGE 32 East, NEW MEXICO PRINCIPAL MERIDIAN

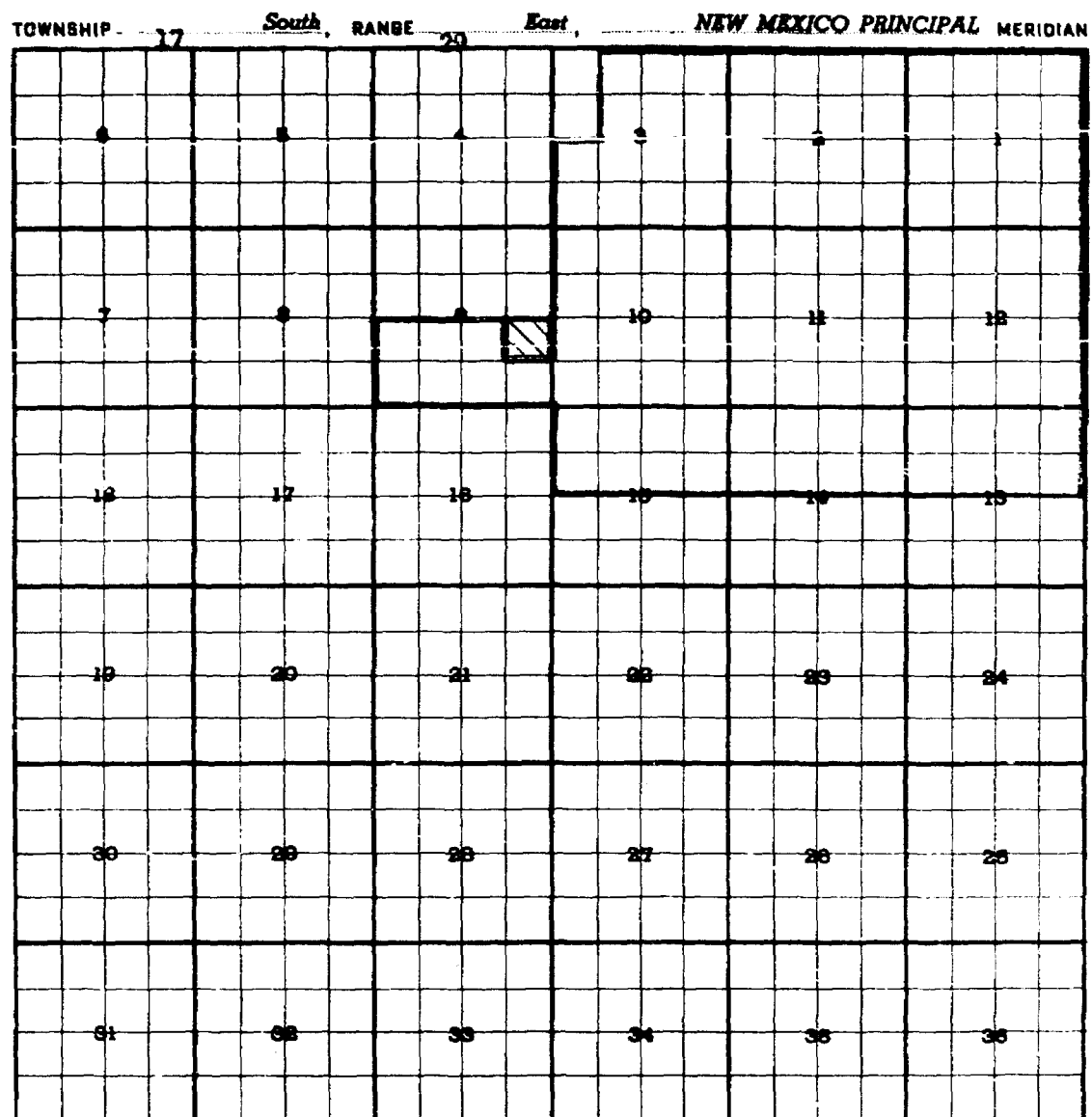


PURPOSE: This pool is to be abolished in order to create two new pools
in the Pennsylvanian formation.

Proposed abolishment colored in blue. SECTION 25: SE/4

CASE 2401: (o) DELETION OF CERTAIN PORTIONS OF AN EXISTING OIL POOL

County EBBY Pool SQUARE LAKE



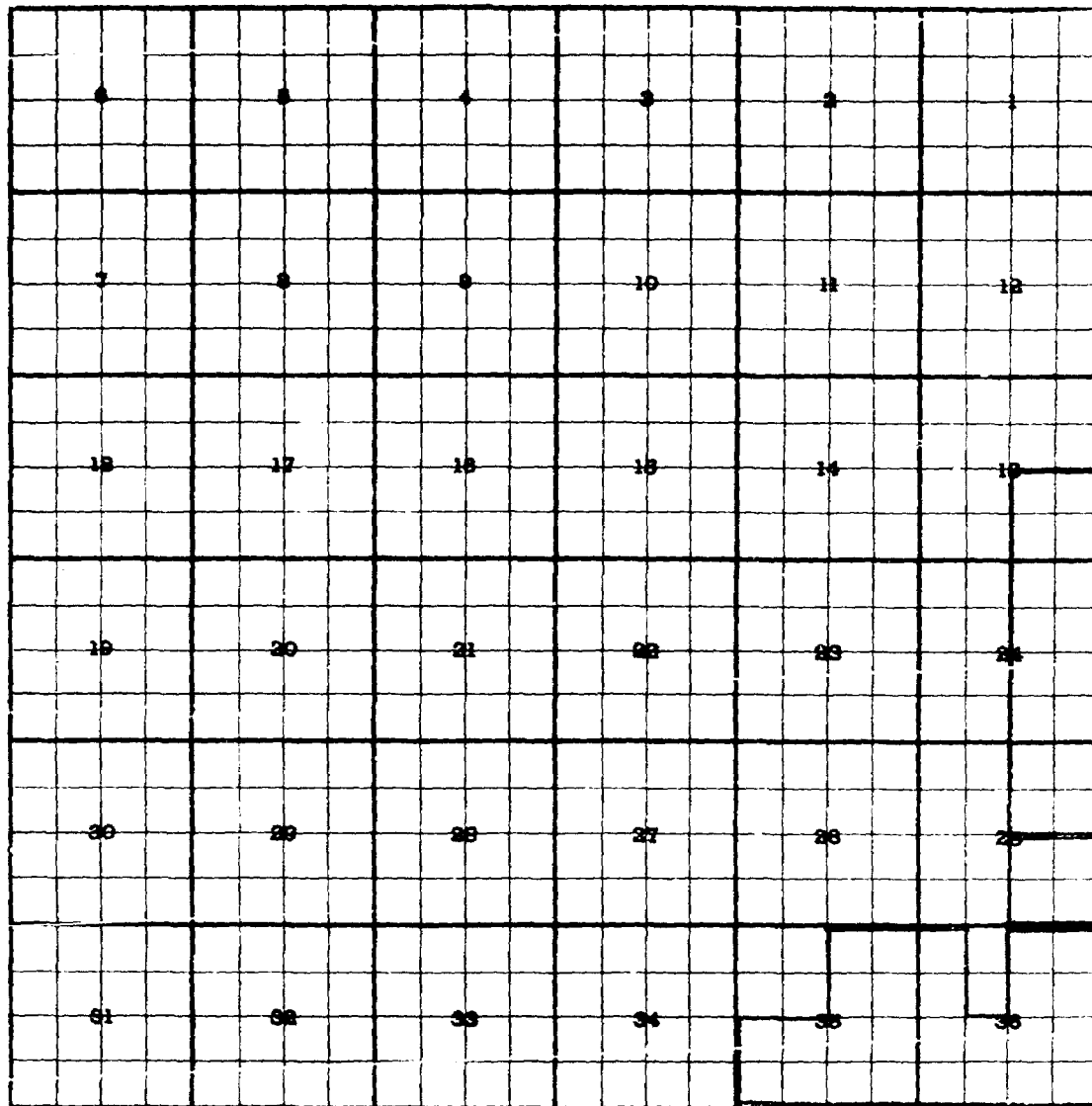
PURPOSE: To be removed from Square Lake Pool and extended to the Cave Pool
in order to form a waterflood unit.

Proposed deletion is colored in blue. SECTION 9: NE/4 SE/4
Pool boundary colored in red.

CASE 2401: (P) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County LEA & ROOSEVELT Pool ALLISON-PENNSYLVANIAN

TOWNSHIP 6 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Seven (7) Wells capable of producing oil.

SHELL OIL CO. - Shearn Federal Well No. 2 in Unit P of Section 25-8-36.

Completed in Pennsylvanian August 25, 1961.

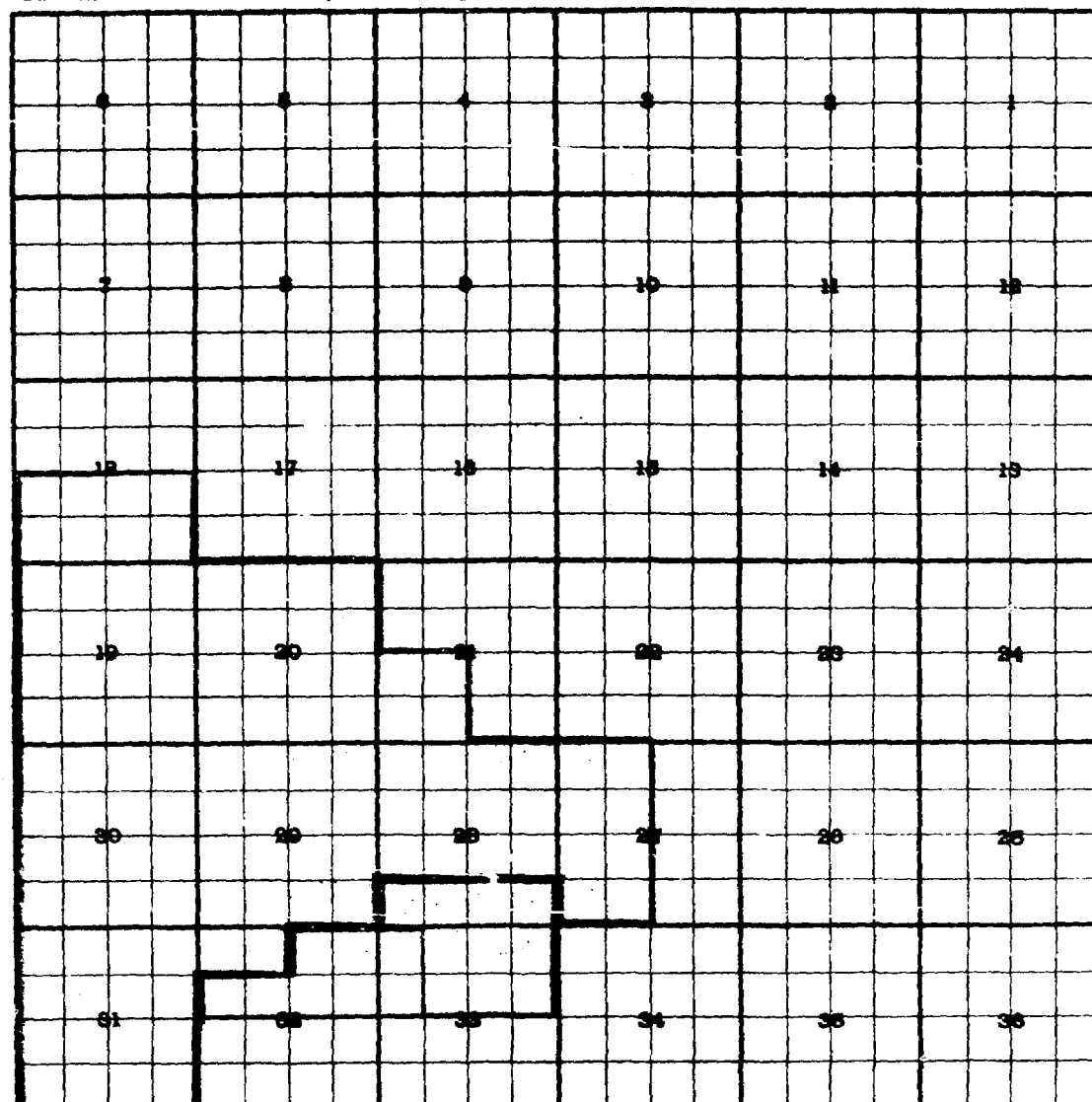
TOP OF PERFORATIONS 9632'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 25: SE/4

County ROOSEVELT Pool ALLISON-PENNSYLVANIAN

TOWNSHIP 8 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: As stated on first page of exhibit (p)

SAM BOREN - Atlantic State No. 1 in Unit B of Sec. 32-8-37. Completed in Pennsylvanian August 3, 1961. TOP OF PERFORATIONS 9561'.

THE OHIO OIL CO. - State BPA No. 2 in Unit F of Section 32-8-37. COMPLETED in Pennsylvanian August 8, 1961. TOP OF PERFORATIONS 9580'.

S. F. YATES - LMY No. 1 in Unit D of Section 33-8-37. Completed in Pennsylvanian August 29, 1961. TOP OF PERFORATIONS 9570'.

ADDITION--SAM BOREN - King Davis Fed. No. 2 in Unit B of Sec. 33-8-37. Completed in Pennsylvanian September 22, 1961. TOP OF PERFORATIONS 9566'.

Pool boundary colored in red.

Proposed extensions colored in green. SECTION 32: NE/4 and S/2 NW/4

SECTION 33: W/2 NW/4

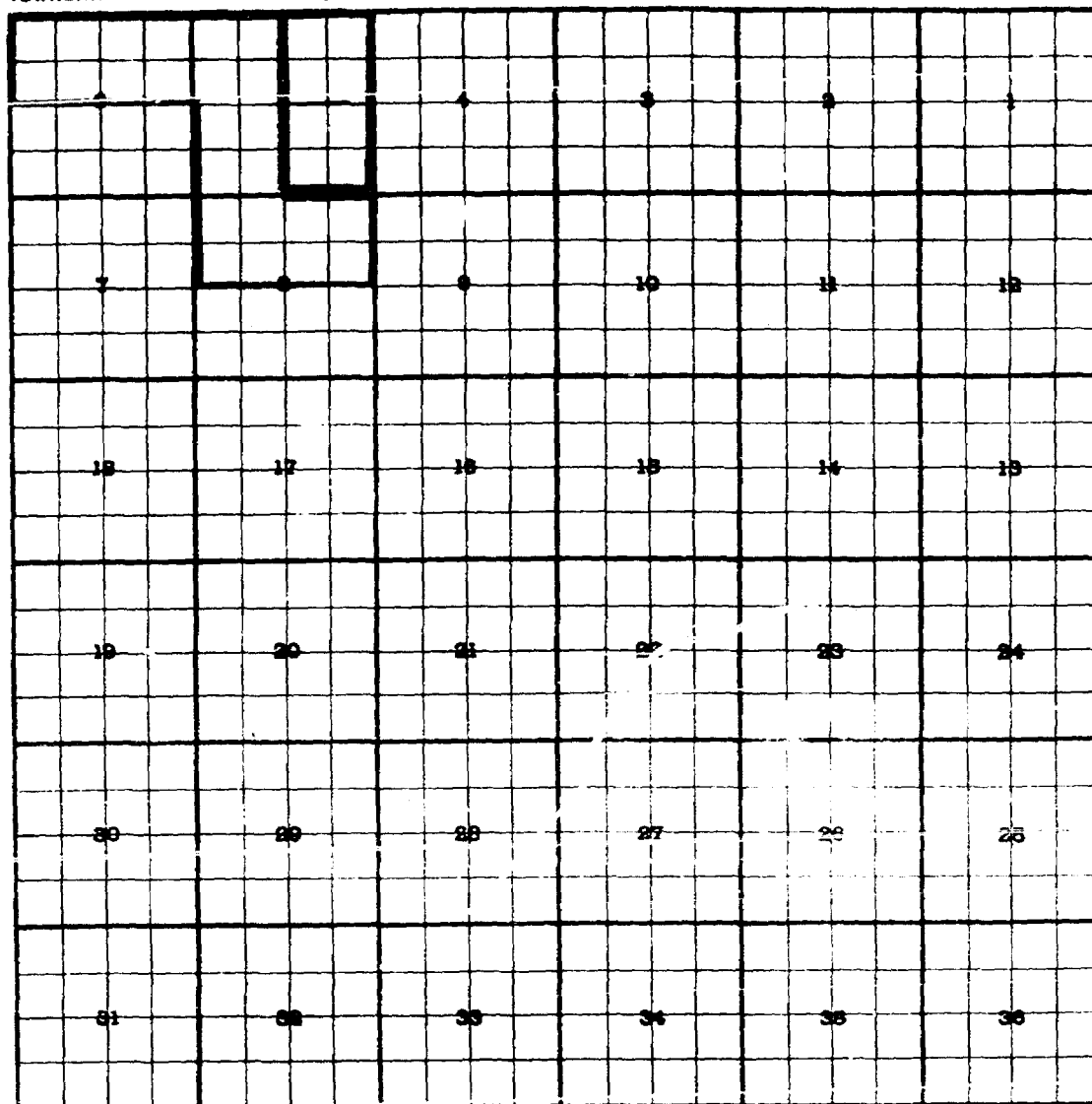
ADDITION-----SECTION 33: NE/4 and E/2 NW/4

ADDITION-----SECTION 28: S/2 S/2

CASE 2401: (p) EXTENSION OF AN EXISTING OIL POOL (Continued)

County SEA Pool ALLISON-PENNSYLVANIAN

TOWNSHIP 9 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: As stated on first page of Exhibit (p)

GREAT WESTERN DRILLING CO. - ODC "B" No. 1 in Unit J of Section 5-9-37
Completed in Bough "C" August 20, 1961. TOP OF PERFORATIONS 9647'.

ADDITION--GREAT WESTERN DRILLING CO. - Dick No. 1 in Unit H of Section 5-9-37.
Completed in Bough "C" September 21, 1961. TOP OF PERFORATIONS 9673'.

Pool boundary colored in red.

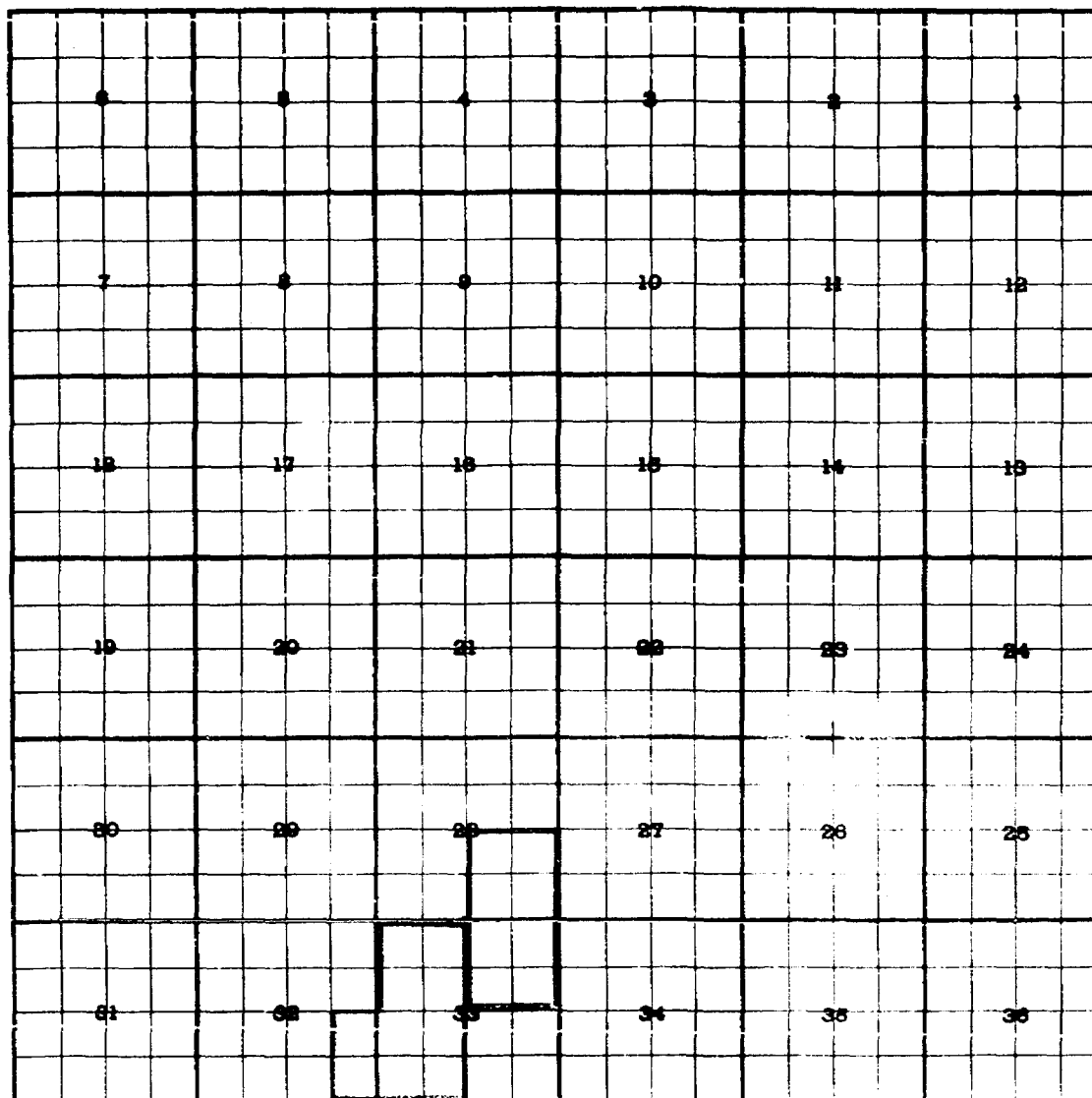
Proposed extensions colored in green. SECTION 5: SE/4

ADDITION----- SECTION 5: NE/4

CASE 2401: (q) EXTENSION OF AN EXISTING GIL POOL

County LEA Pool ANDERSON RANCH WOLF CAMP

TOWNSHIP 15 South, RANGE 32 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Two (2) completed oil wells capable of producing.

McALESTER FUEL CO. - State JG No. 1 in Unit G of Section 33-15-32.
Completed in Wolfcamp July 29, 1961. TOP OF PERFORATIONS 9872'.

UNION OIL CO. OF CALIF. - State "B" No. 1-28 in Unit Q of Section 28-15-32
Completed in Wolfcamp September 1, 1961. TOP OF PERFORATIONS 9922'.

Pool boundary colored in red.

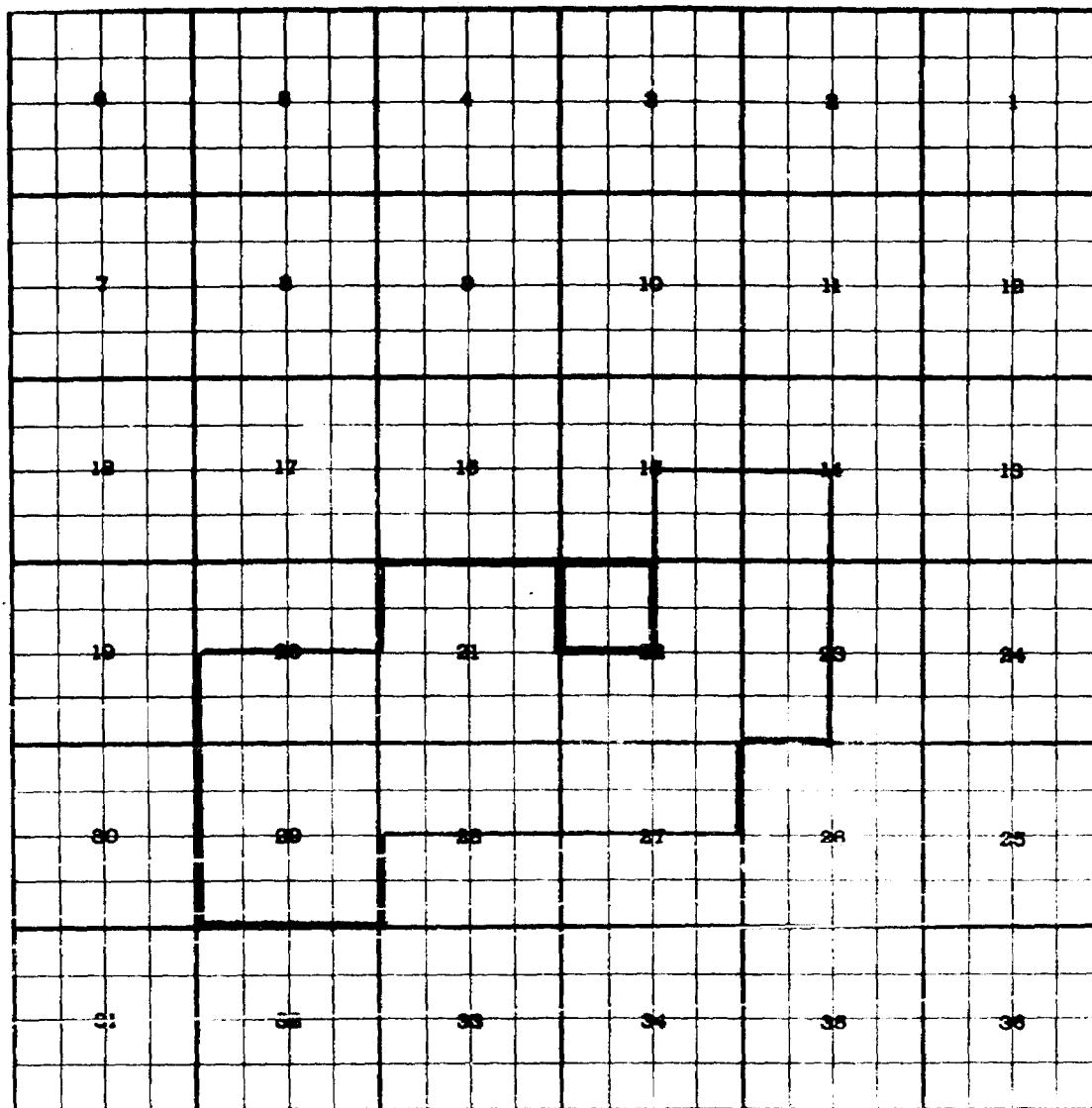
Proposed extension colored in green. SECTION 28: SE/4

SECTION 33: NE/4

CASE 2401: (r) EXTENSION OF AN EXISTING GAS POOL

County EDDY Pool ATOKA-PENNSYLVANIAN GAS

TOWNSHIP 18 South, RANGE 26 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed gas well capable of producing.
PAN AMERICAN PET. CORP. - Lea Gas Unit "C" No. 1 in Unit E of Section 22-
18-26. Completed in Pennsylvanian May 26, 1961.
TOP OF PERFORATIONS 9003'.

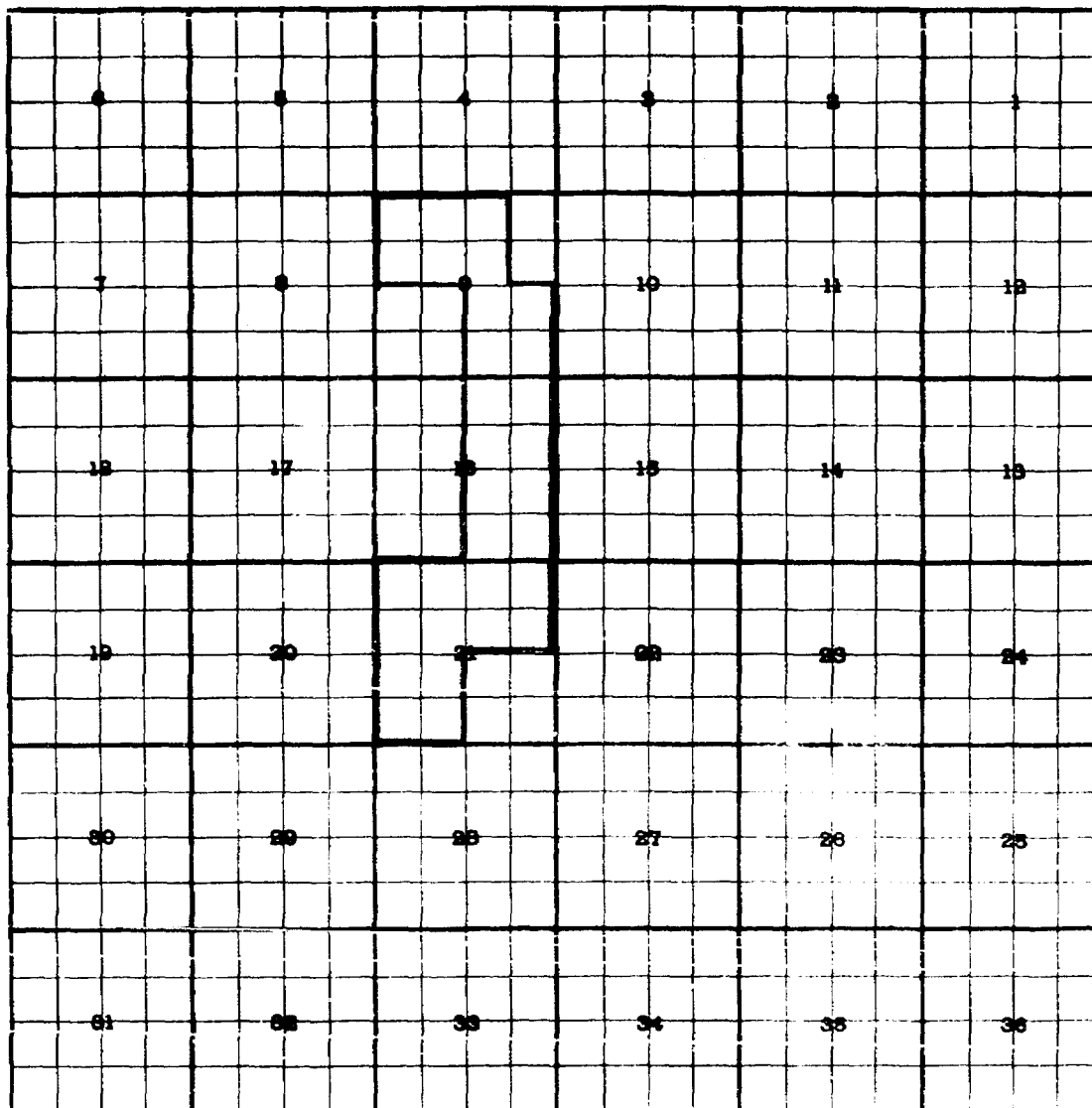
Pool boundary colored in red.

Proposed extension colored in green. SECTION 22: NW/4

CASE 2401: (s) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL

County LEA Pool Caudill Wolfcamp, Pennsylvanian *Perry Penn*

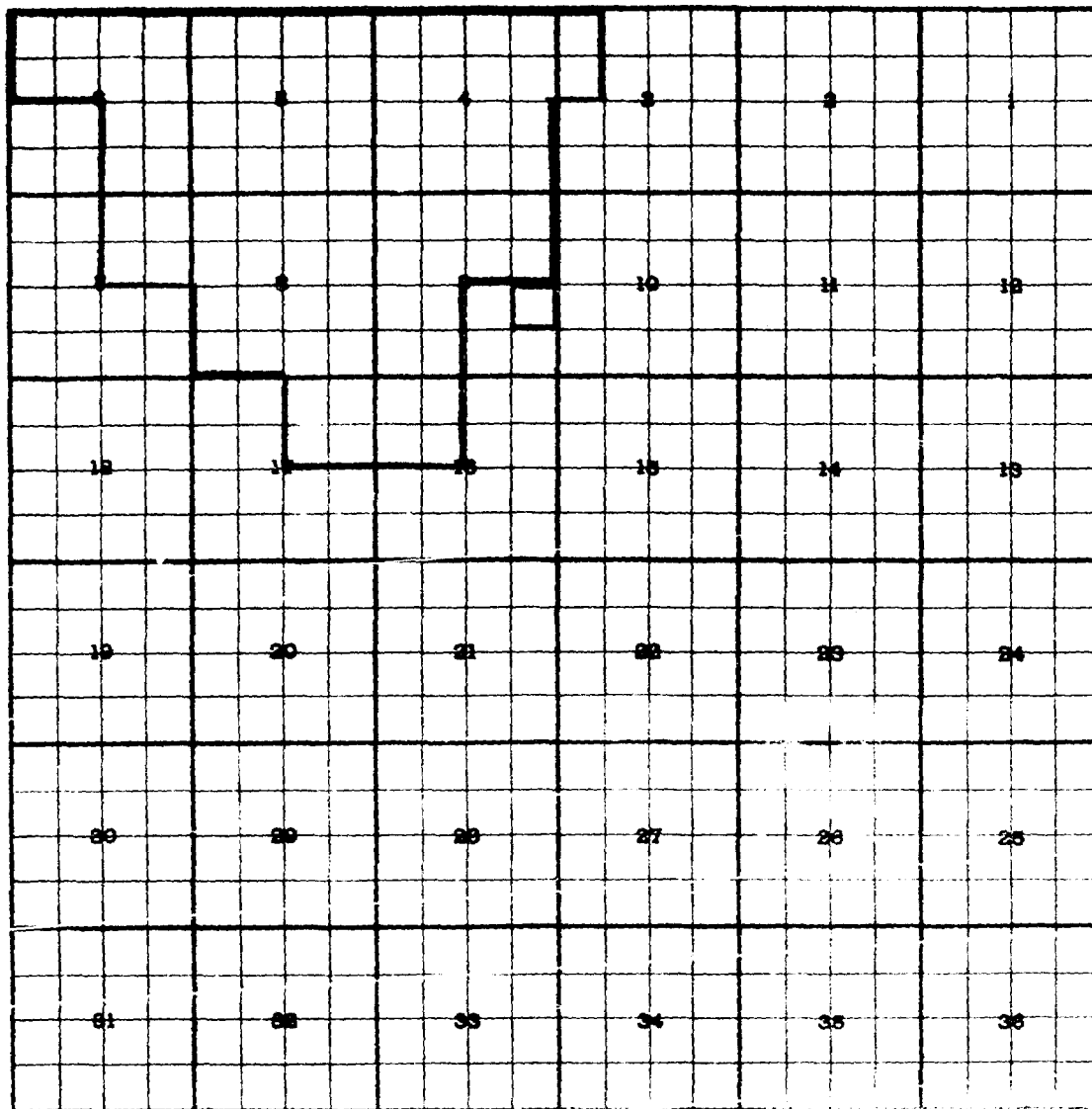
TOWNSHIP 15 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: To extend the vertical limits
Combine Caudill Wolfcamp to include the Pennsylvanian due to non-commercial
pay zones in the Pennsylvanian.

CASE 2401: (t) EXTENSION OF AN EXISTING OIL POOL

County EDDY Pool CAVE

TOWNSHIP 17 South, RANGE 29 East, NEW MEXICO PRINCIPAL MERIDIAN

PURPOSE: To allow for waterflood project.

Area abolished from Square Lake Pool for waterflood unit.

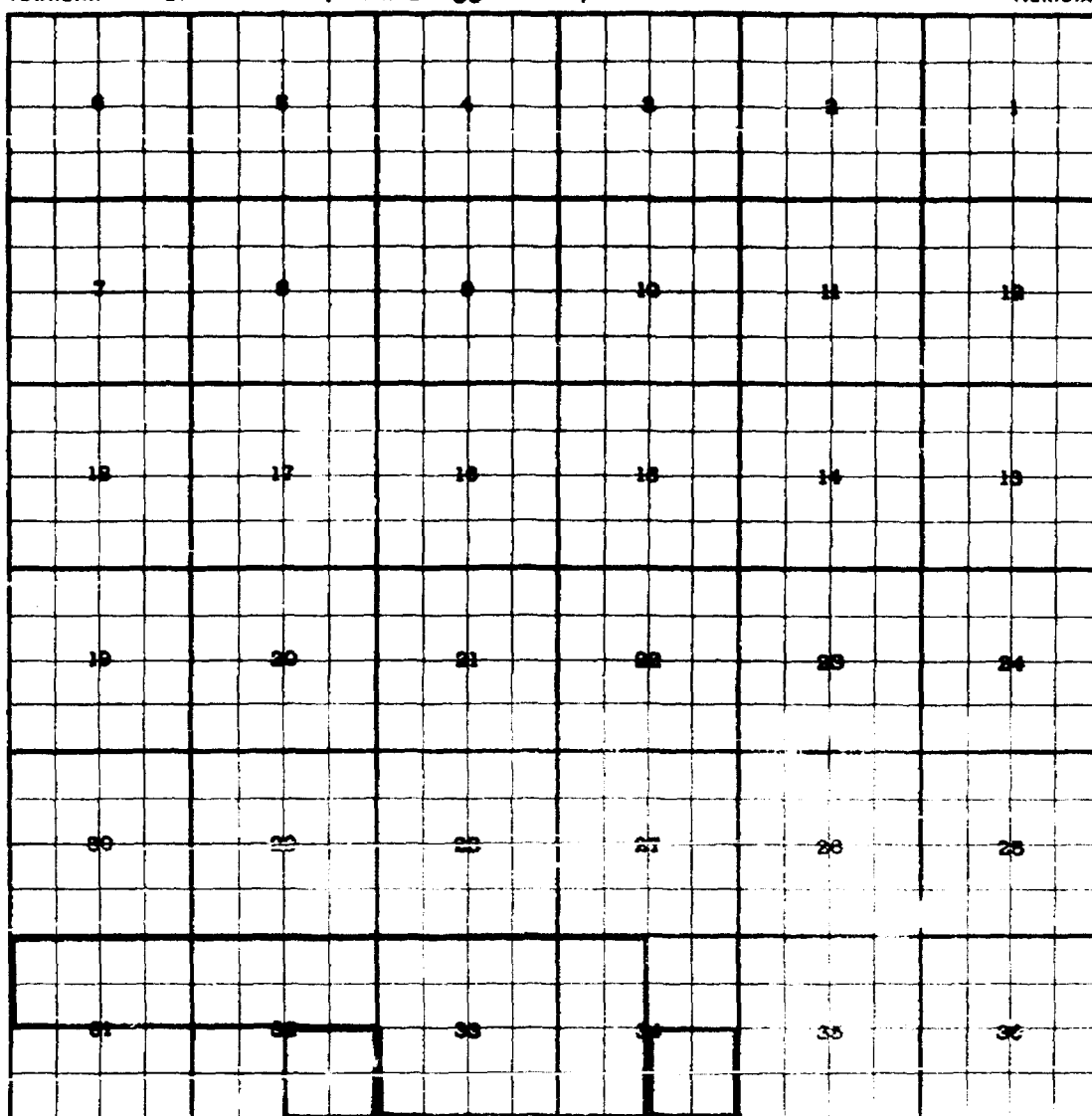
Pool boundary colored in red.

Proposed extension colored in green. SECTION 9: NE/4 SE/4

CASE 2401: (u) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool CORBIN ABO

TOWNSHIP 17 South, RANGE 33 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Three (3) completed oil wells capable of producing.

JAMES P. DUNIGAN - Denius Fed. No. 7 in Unit J of Sec. 34-17-33. Completed in Abo July 25, 1961. TOP OF PERFORATIONS 8653'.

ADDITION--JAMES P. DUNIGAN - Denius Fed. No. 8 in Unit I of Sec. 34-17-33. Completed in Abo September 27, 1961. DEPTH TO CASING SHOE 8837'.

ADDITION--JAMES P. DUNIGAN - Gifford State No. 1 in Unit I of Sec. 32-17-33. Completed in Abo September 22, 1961. TOP OF PERFORATIONS 8594'.

Pool boundary colored in red.

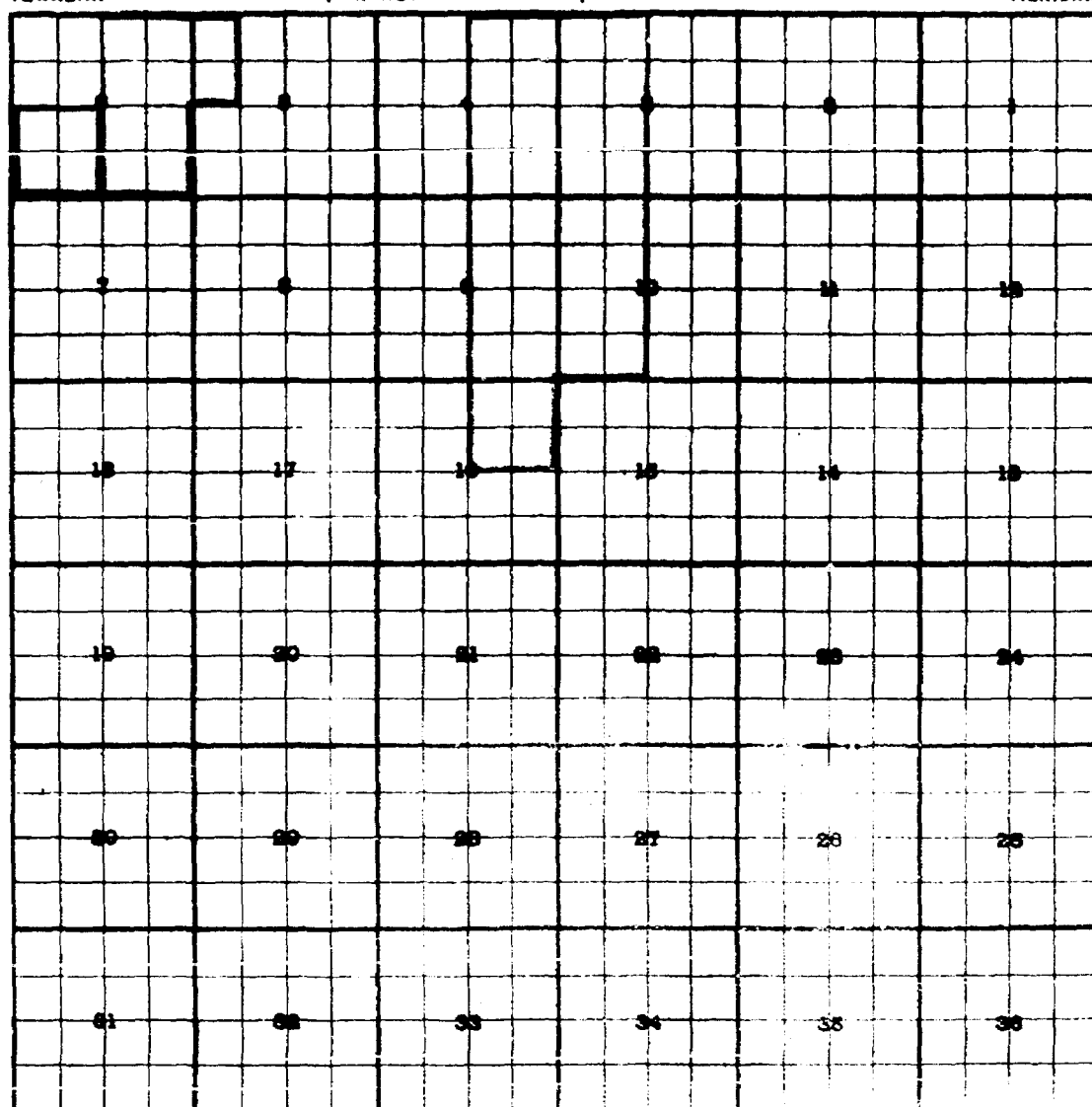
Proposed extensions colored in green. SECTION 34: SE/4

ADDITION-----SECTION 32: SE/4

CASE 2401: (v) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool CORBIN-QUEEN

TOWNSHIP 18 South, RANGE 33 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

PAN AMERICAN PET. CORP. - Conoco Federal No. 1 in Unit K of Section 6-18-33.

Completed in Queen July 24, 1961.

TOP OF PERFORATIONS 4120'.

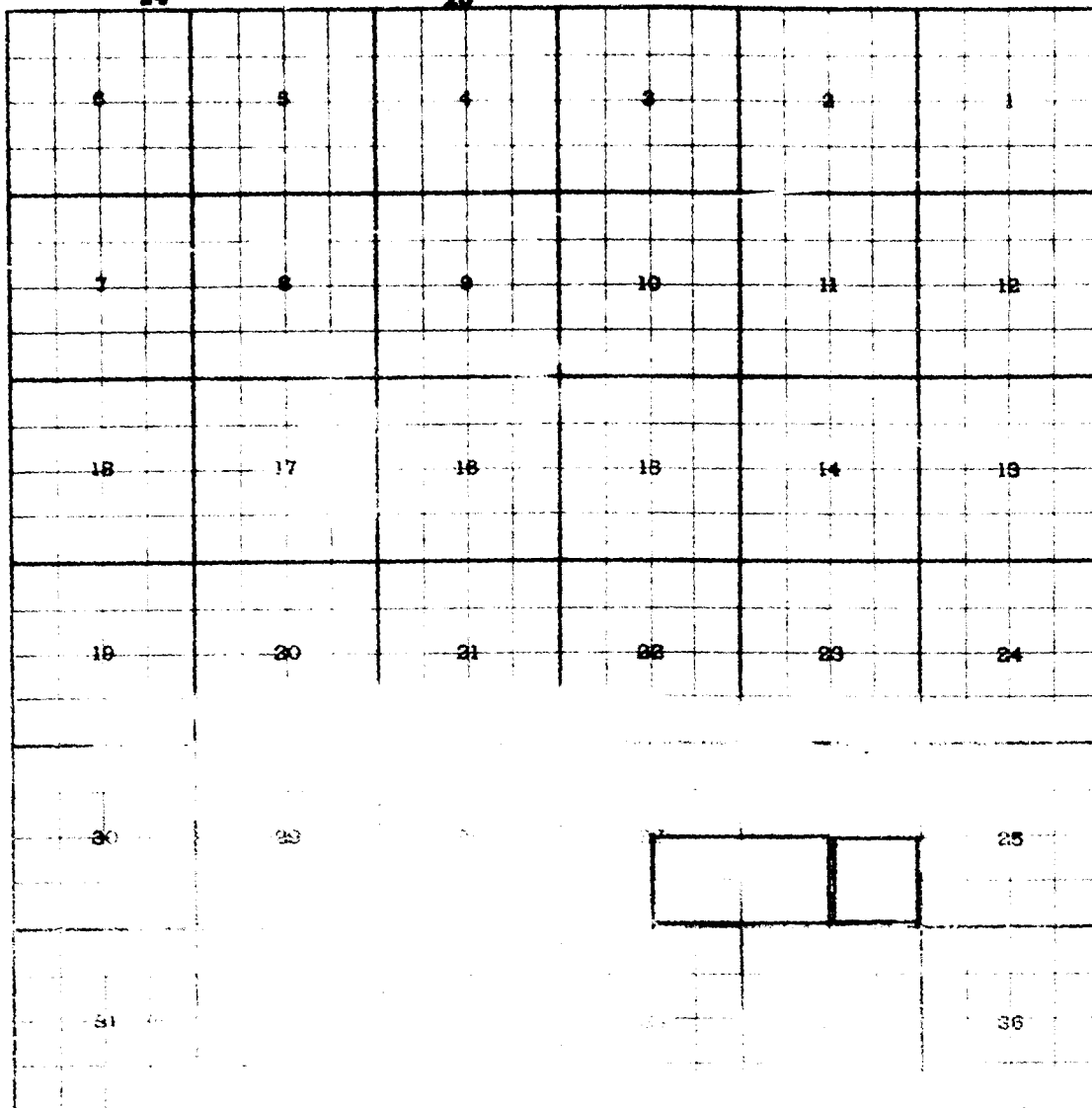
Pool boundary colored in red.

Proposed extension colored in green. SECTION 6: SW/4

EXTENSION OF AN EXISTING GAS POOL

County EDDY Pool CRAWFORD-PENNSYLVANIAN GAS

TOWNSHIP 24 South, RANGE 26 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

UNION OIL CO. OF CALIF. - Crawford No. 2-27 in Unit J of Section 27-24-26.

Completed in Morrow Sand August 7, 1960.

TOP OF PERFORATIONS 11,204'.

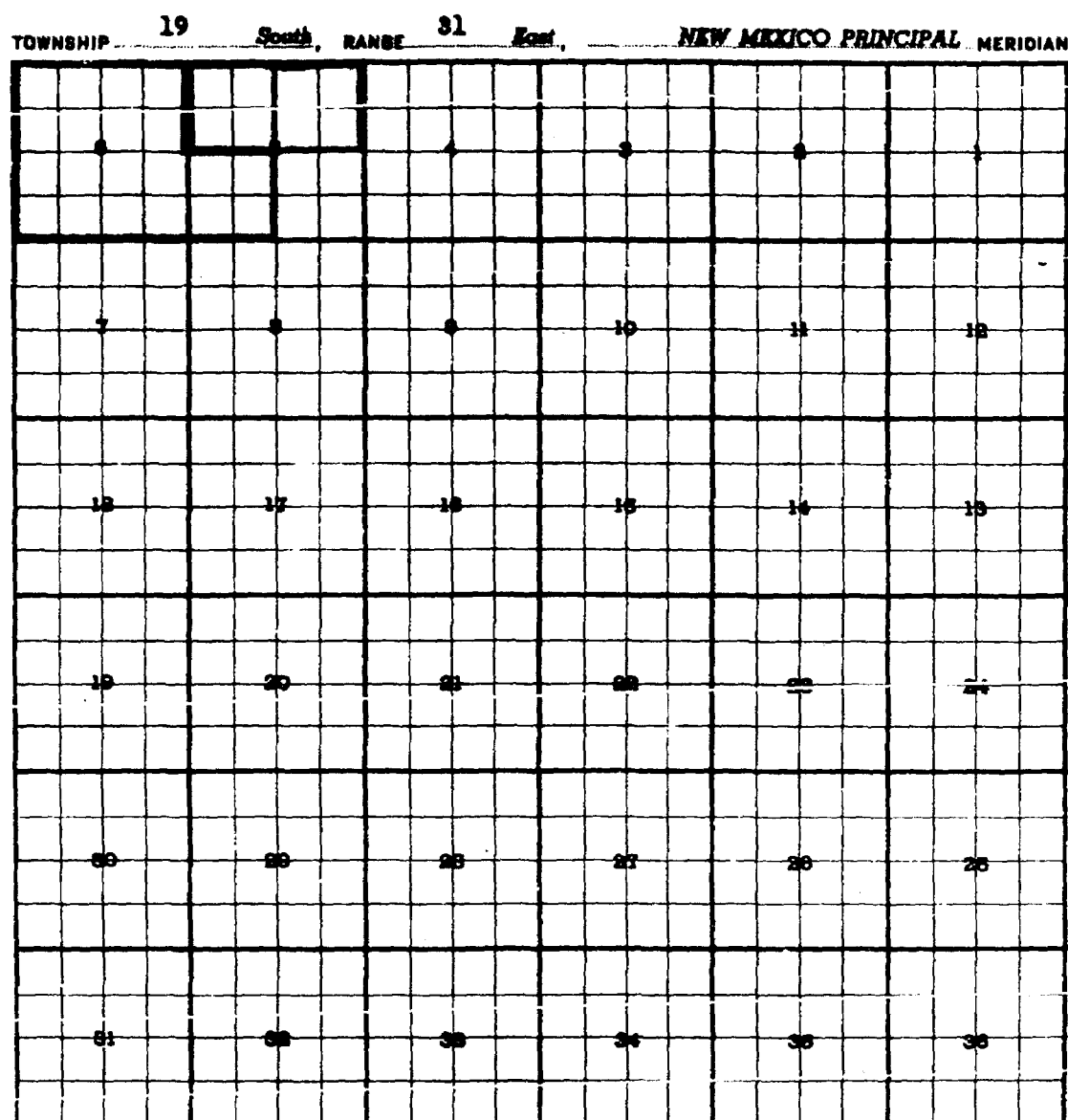
Pool boundary colored in red.

proposed extension colored in green. SECTION 26: SW/4

SECTION 27: SE/4

CASE 2401: (x) EXTENTION OF AN EXISTING OIL POOL

County EDDY Pool CULWIN-QUEEN



PURPOSE: One completed oil well capable of producing.

DONNELLY DRILG. CO. - Donnelly Pan American No. 1-X in Unit G of Section
5-19-31. Completed in Penrose August 3, 1961.
TOP OF PERFORATIONS 3484'.

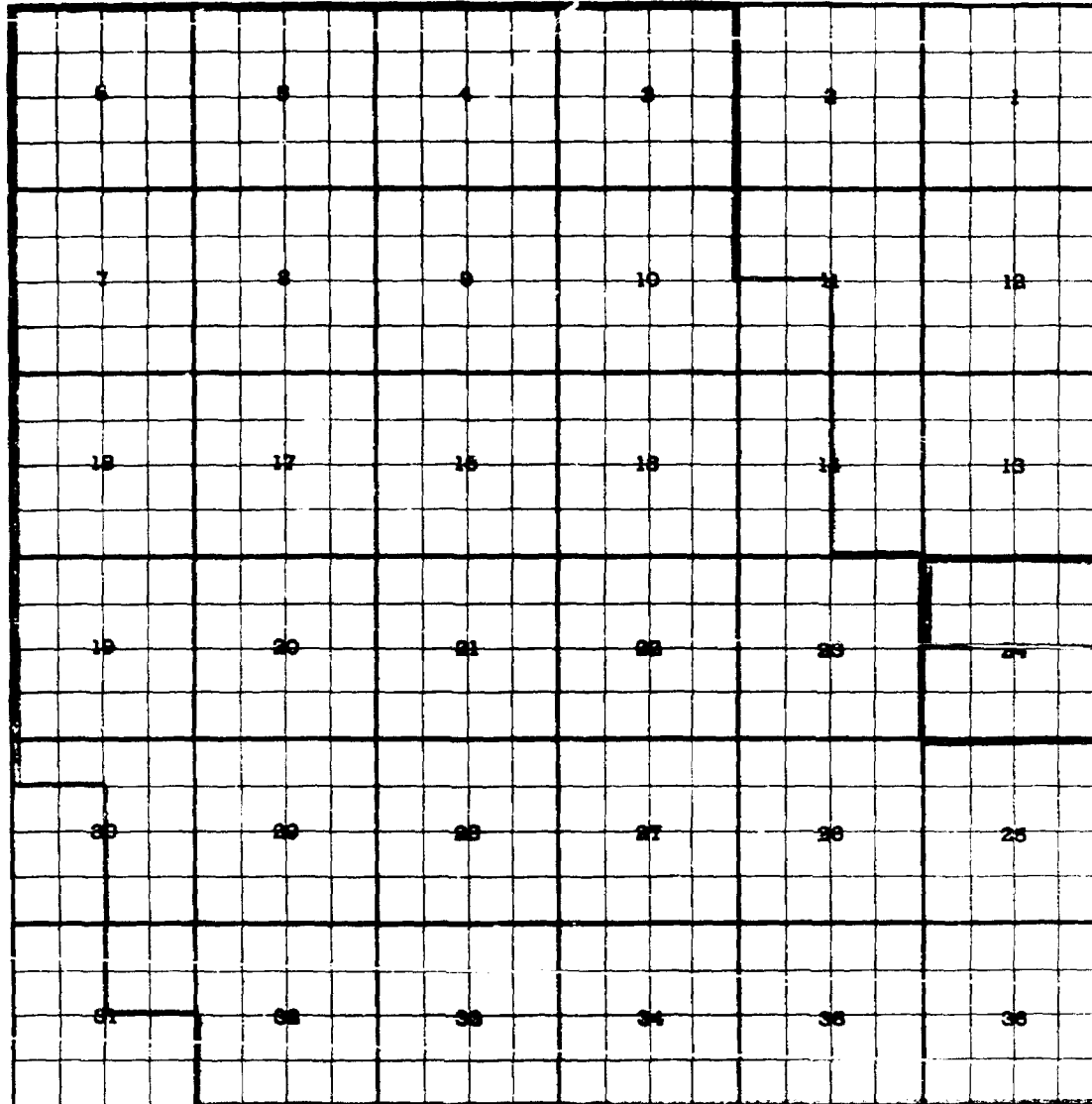
Pool boundary colored in red.

Proposed extension colored in green. SECTION 5: N/2

CASE 2401: (y) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool SOUTH SUNICE

TOWNSHIP 22 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

THE OHIO OIL CO. - State McDonald A/c 2 No. 27 in Unit H of Section 24-22-36.

Completed in Penrose August 28, 1961.

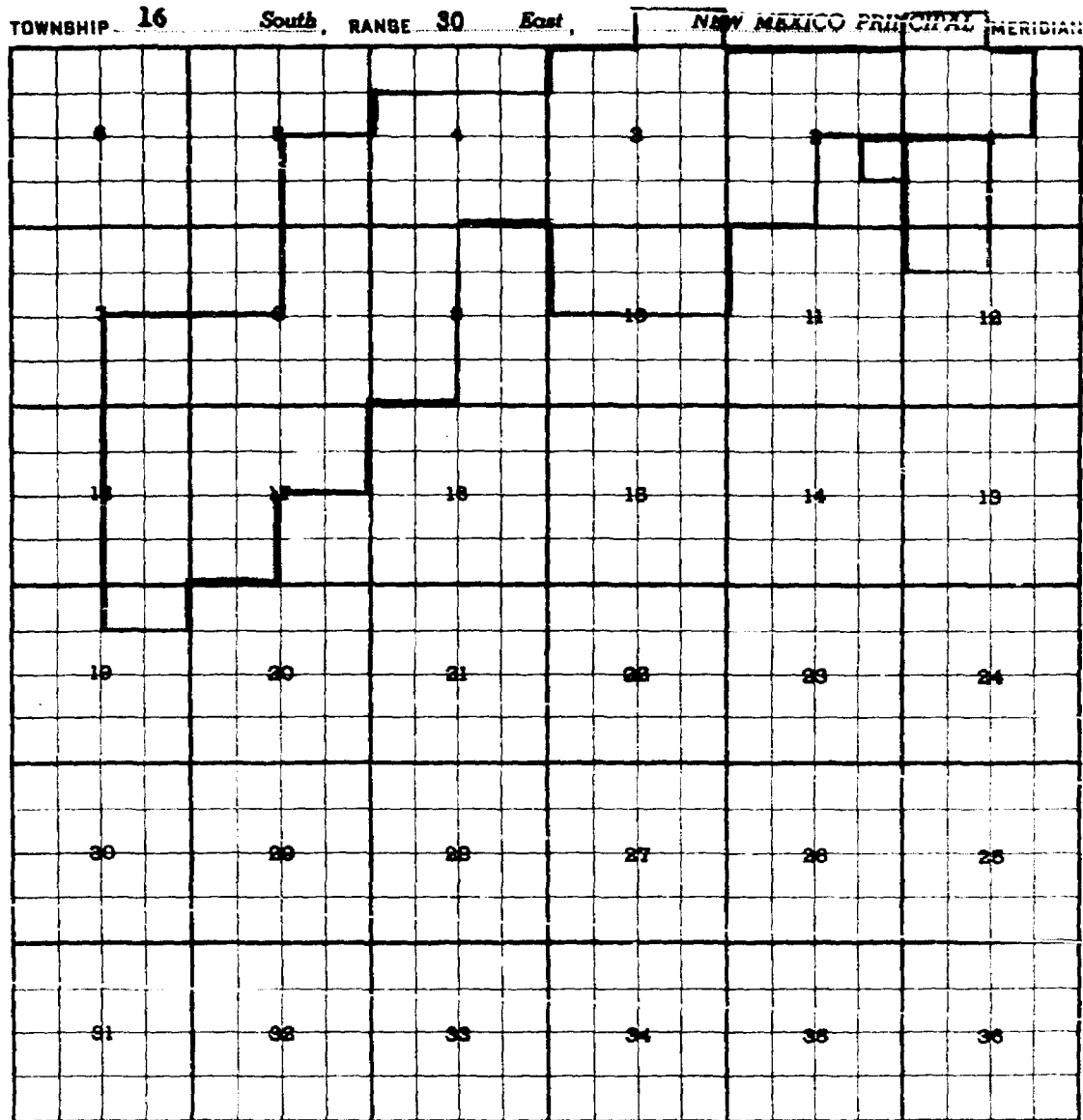
TOP OF PERFORATIONS 3678'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 24: N/2

CASE 2401: (x) EXTENSION OF AN EXISTING OIL POOL

County EDDY Pool WEST HENSHAW-GRAYBURG



PURPOSE: Three (3) completed oil wells capable of producing.

STEELE & BLAIR - Hanson Fed. No. 1 in Unit D of Section 12-16-30. Completed in Grayburg October 29, 1959. TOP OF PERFORATIONS 3034'.

BOB DEAN, LTD. - So. Union Fed. No. 4 in Unit S of Section 1-16-30.

Completed in Premier (grayburg) August 3, 1961. TOP OF PERFORATIONS 3060'.

ADDITION-HUMBLE OIL & RFG. CO. - N. M. State "BN" No. 1 in Unit Q of Sec. 2-16-30.
Completed in Grayburg September 6, 1961. TOP OF PERFORATIONS 3021'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 1: SW/4

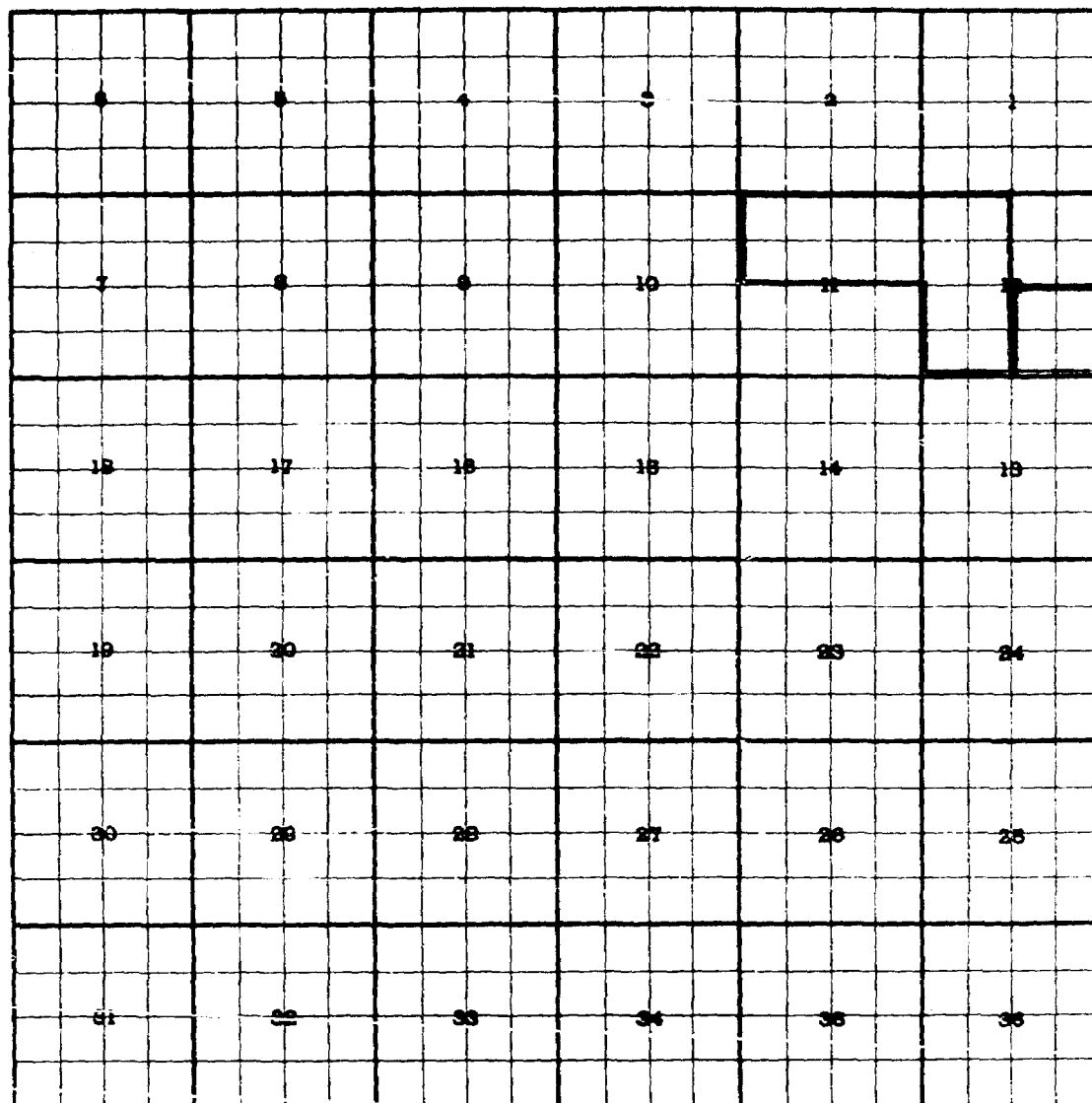
SECTION 12: N/2 NW/4

ADDITION-----SECTION 2: NE/4 SE/4

CASE 2401: (aa) EXTENTION OF AN EXISTING OIL POOL

County LEA Pool LEA-BONE SPRINGS

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



PURPOSE: One completed oil well capable of producing.

THE OHIO OIL CO. - Lea Unit No. 5 in Unit J of Section 12-20-34.

Completed in Bone Springs August 9, 1961.

TOP OF PERFORATIONS 10,266'.

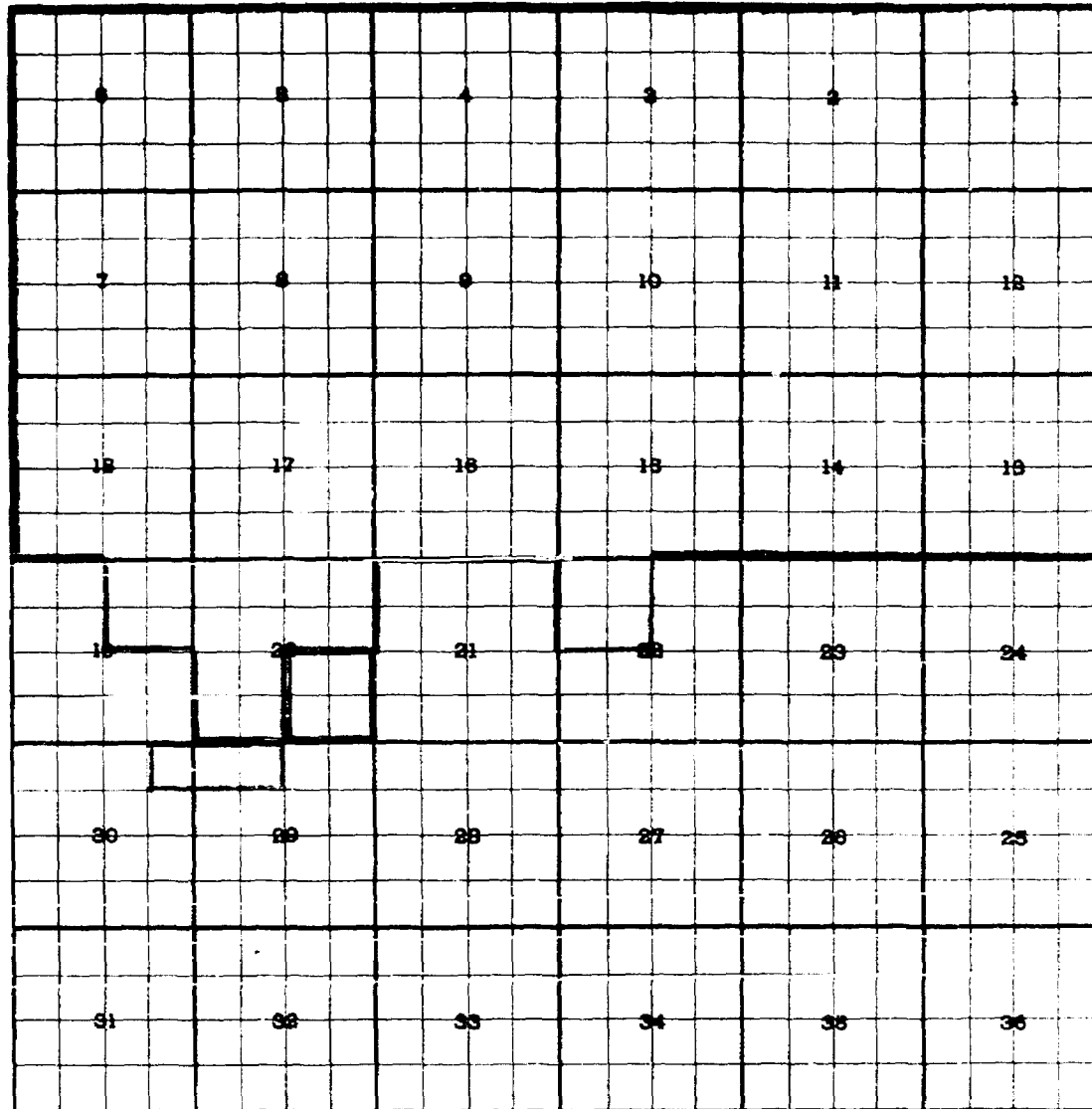
Pool boundary colored in red.

Proposed extension colored in green. SECTION 12: SE/4

CASE 2401: (bb) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County CDWY Pool LOCO HILLS

TOWNSHIP 18 South, RANGE 29 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Three (3) completed oil wells capable of producing.
S. P. YATES & MARTIN YATES III - Alscott Fed. #1 in Unit A of Sec. 30-18-29.
Completed in Loco Hills (Grayburg-SA) August 7, 1961. TOP OF PERFORATIONS 2392'.
S. P. YATES & MARTIN YATES III - Hey Fed. #1 in Unit M of Sec. 20-18-29.
Completed in Grayburg May 13, 1961. TOP OF PERFORATIONS 2387.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 20: SE/4

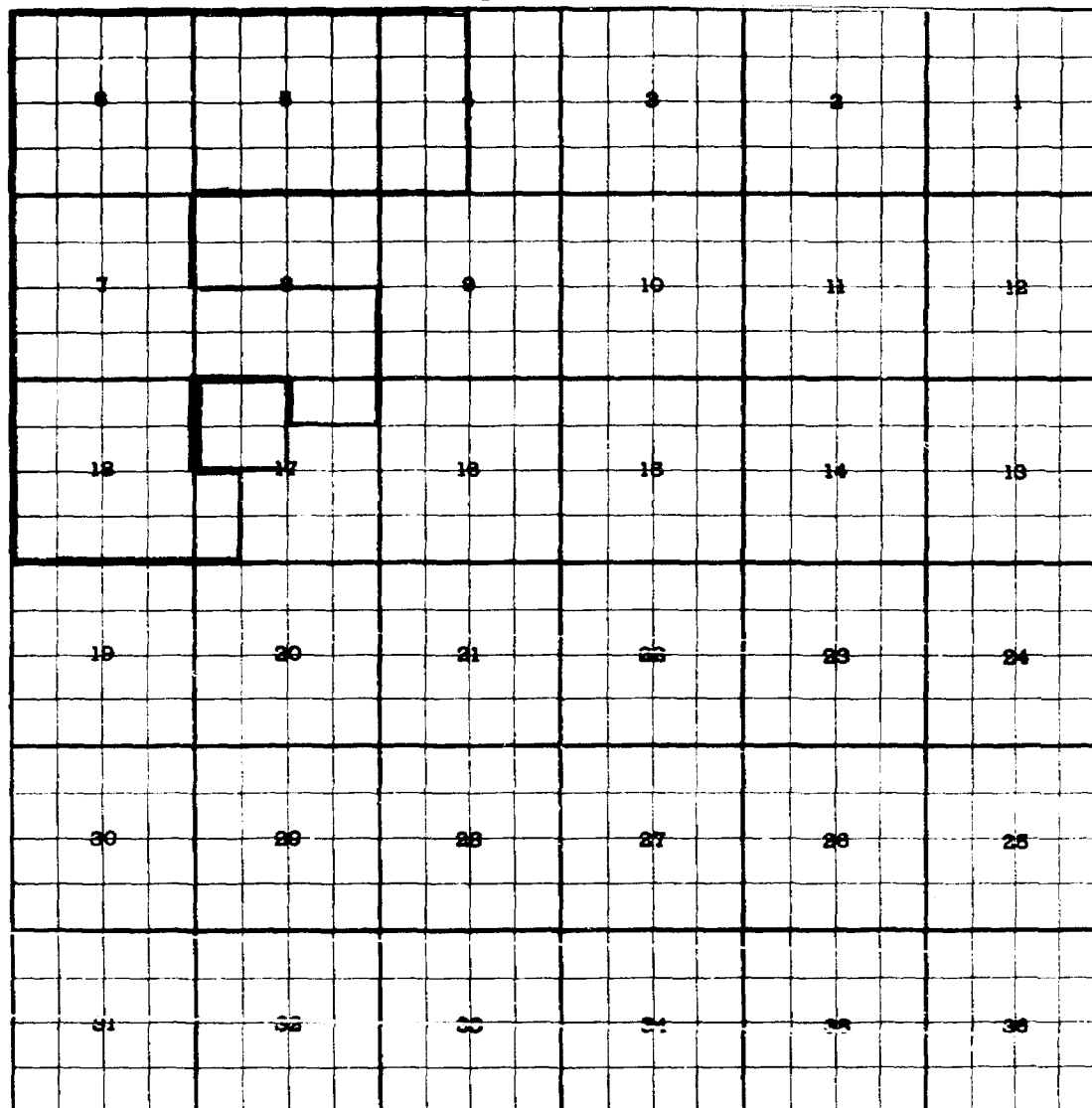
SECTION 29: N/2 NW/4

SECTION 30: NE/4 NE/4

CASE 2401: (bb) EXTENSION OF AN EXISTING OIL POOL (Continued)

County EDDY Pool LOCO HILLS

TOWNSHIP 18 South, RANGE 30 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: As stated on first page of Exhibit (bb)

SMITH OIL CO. - Canfield Federal No. 1 in Unit L of Section 17-18-30.

Completed in Grayburg July 4, 1961.

TOP OF PERFORATIONS 2980'.

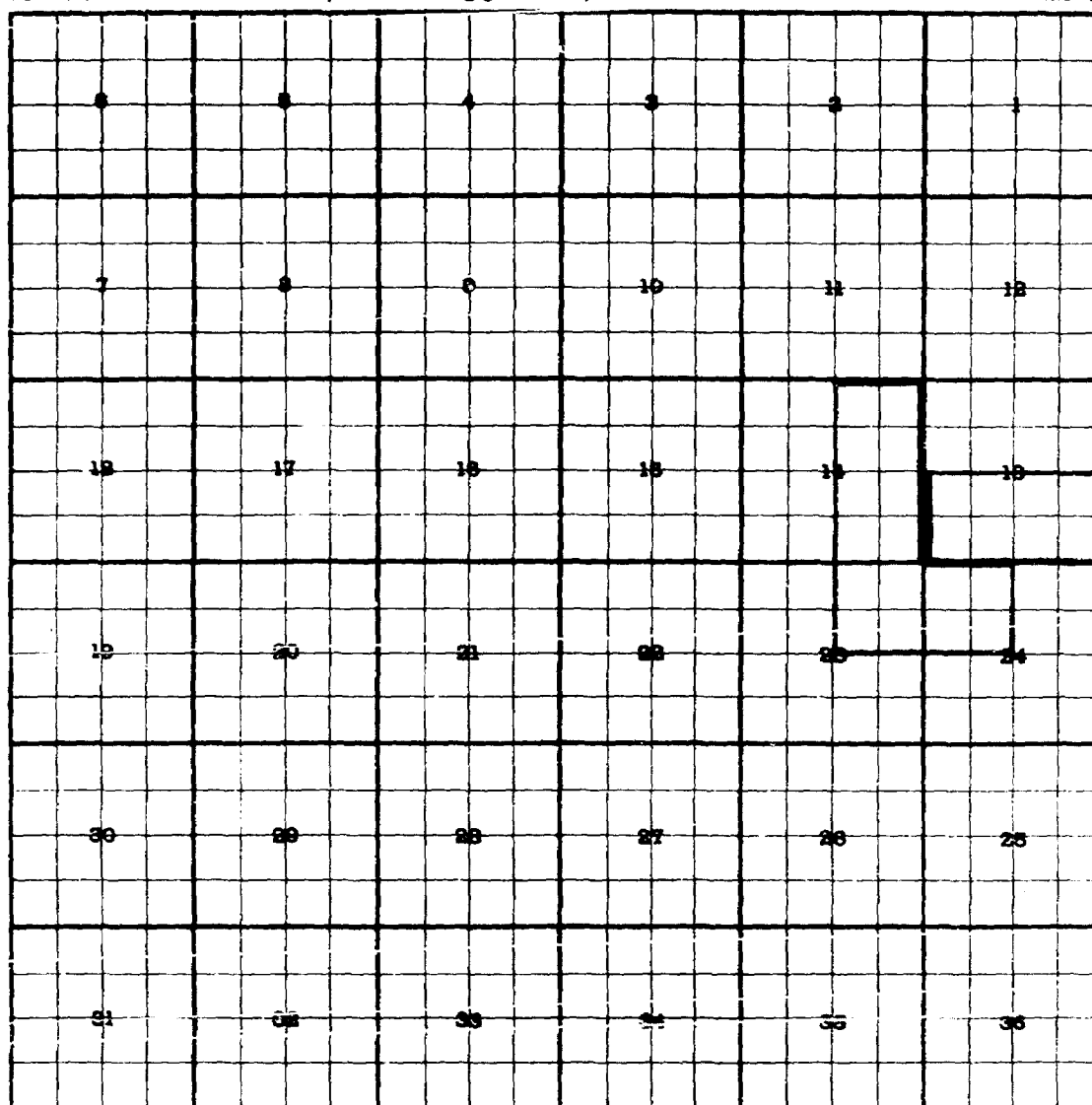
Pool boundary colored in red.

Proposed extension colored in green. SECTION 17: NW/4

CASE 2401: (cc) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County ROOSEVELT Pool HILLESAND-SAN ANDRES

TOWNSHIP 8 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Four (4) completed oil wells capable of producing.

EL CHORRO EXPL. - A. R. Haley No. 1 in Unit I of Section 13-8-34.

Completed in San Andres August 19, 1961. TOP OF PERFORATIONS 4524'.

EL CHORRO EXPL. - A. R. Haley No. 2 in Unit J of Section 13-8-34.

Completed in San Andres August 29, 1961. TOP OF PERFORATIONS 4530'.

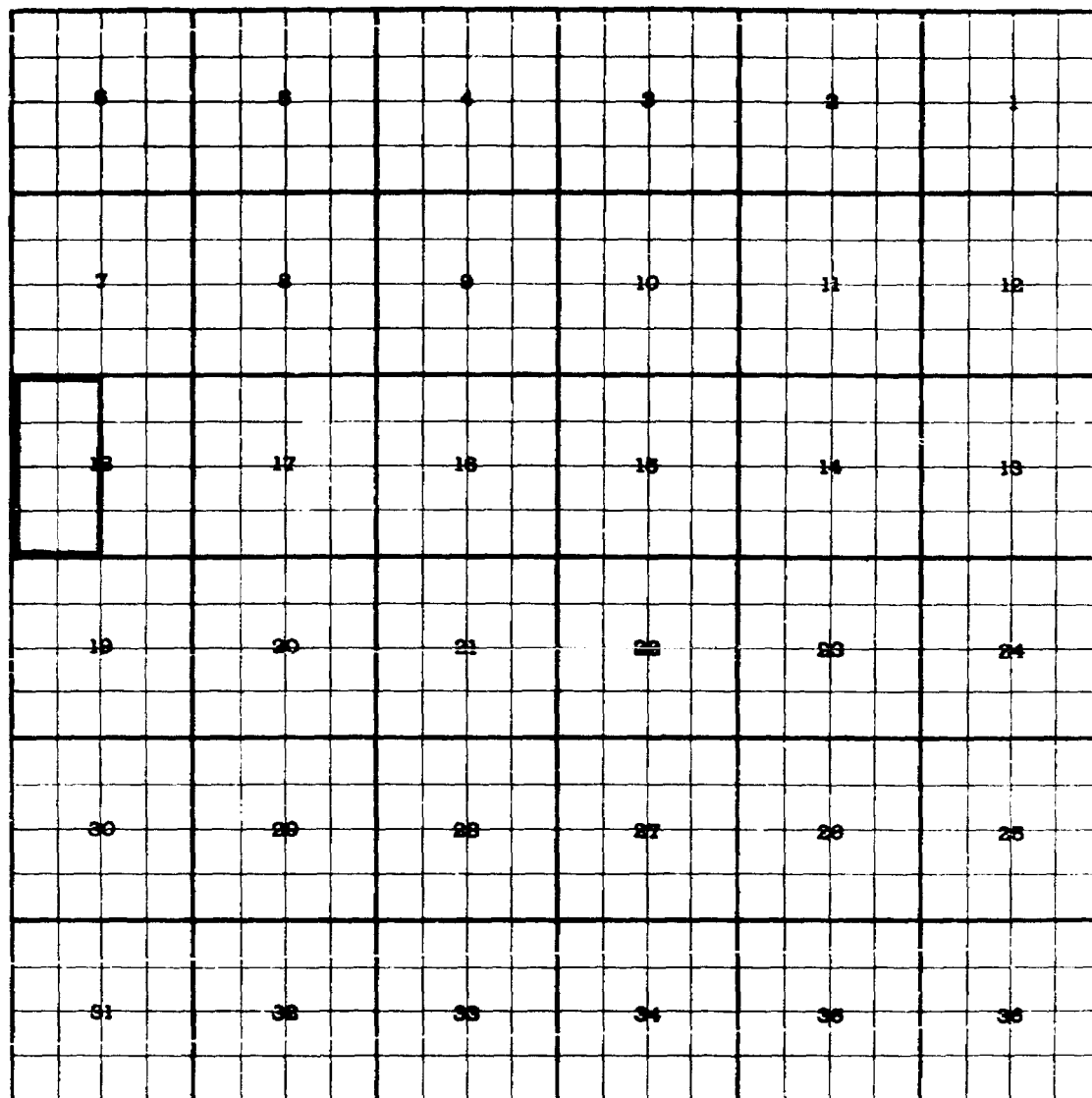
Pool boundary colored in red.

Proposed extension colored in green. SECTION 13: S/2

CASE 2401: (cc) EXTENSION OF AN EXISTING OIL POOL (Continued)

County ROOSEVELT Pool MILNESAND-SAN ANDRES

TOWNSHIP 8 South, RANGE 35 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: As stated on first page of Exhibit (cc)

EL CHORRO EXPL. - Jacobs Fed. No. 1 in Unit 1 of Section 18-8-35. Completed in San Andres August 30, 1961. TOP OF PERFORATIONS 4554'.

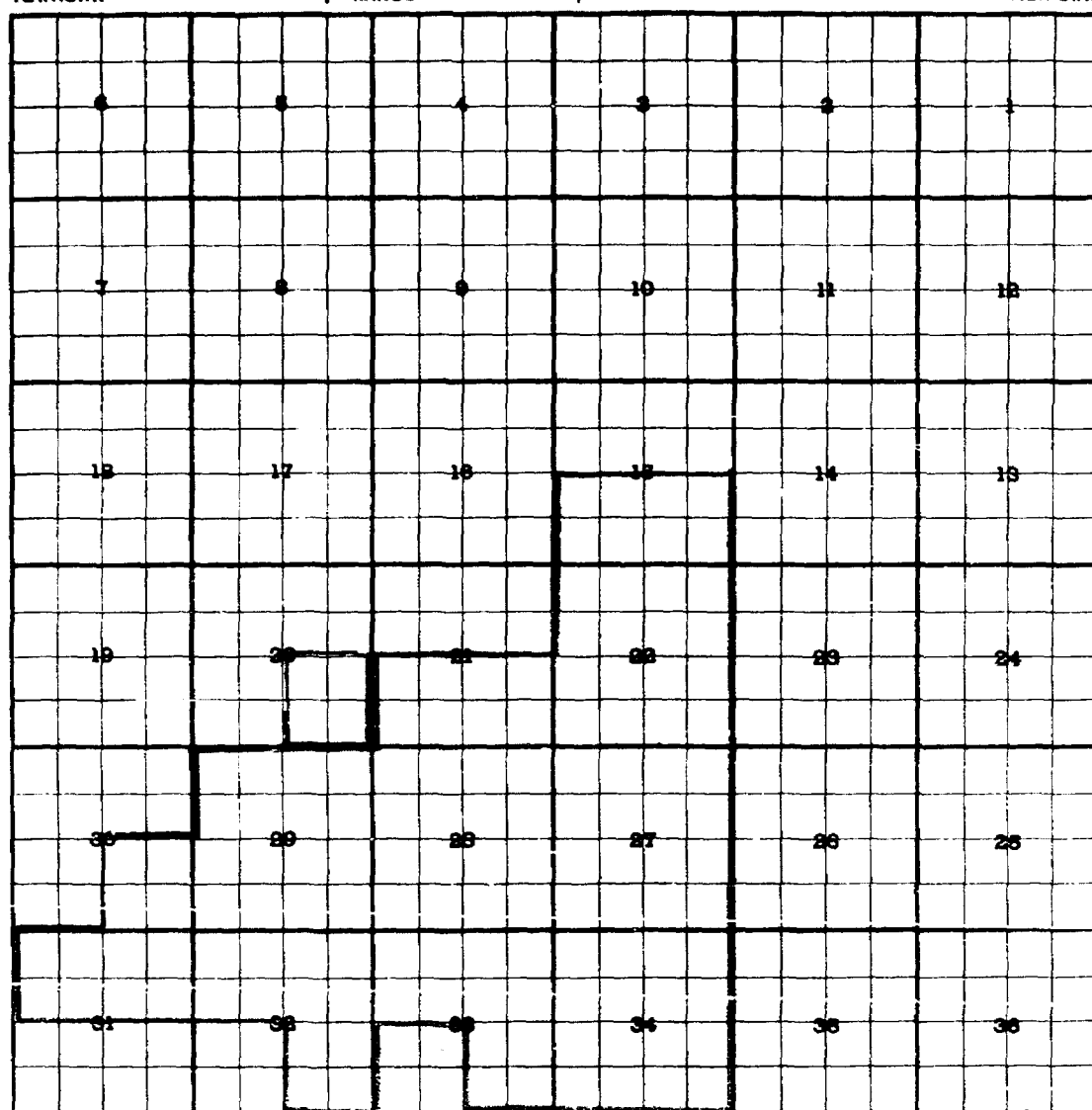
BOND OIL CORP. - D. Hefflefinger No. 1 in Unit E of Section 18-8-35. Completed in San Andres July 23, 1961. TOP OF PERFORATIONS 4526'.

Pool boundry for proposed extension colored in green. SECTION 18: W/2

CASE 2401: (dd) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County LEA Pool PEARL-QUEEN

TOWNSHIP 19 South, RANGE 35 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Three (3) completed oil wells capable of producing.

BTA OIL PROP. - Hooker No. 1 in Unit 0 of Section 20-19-35. Completed
in Green August 23, 1961. TOP OF PERFORATIONS 4970'.

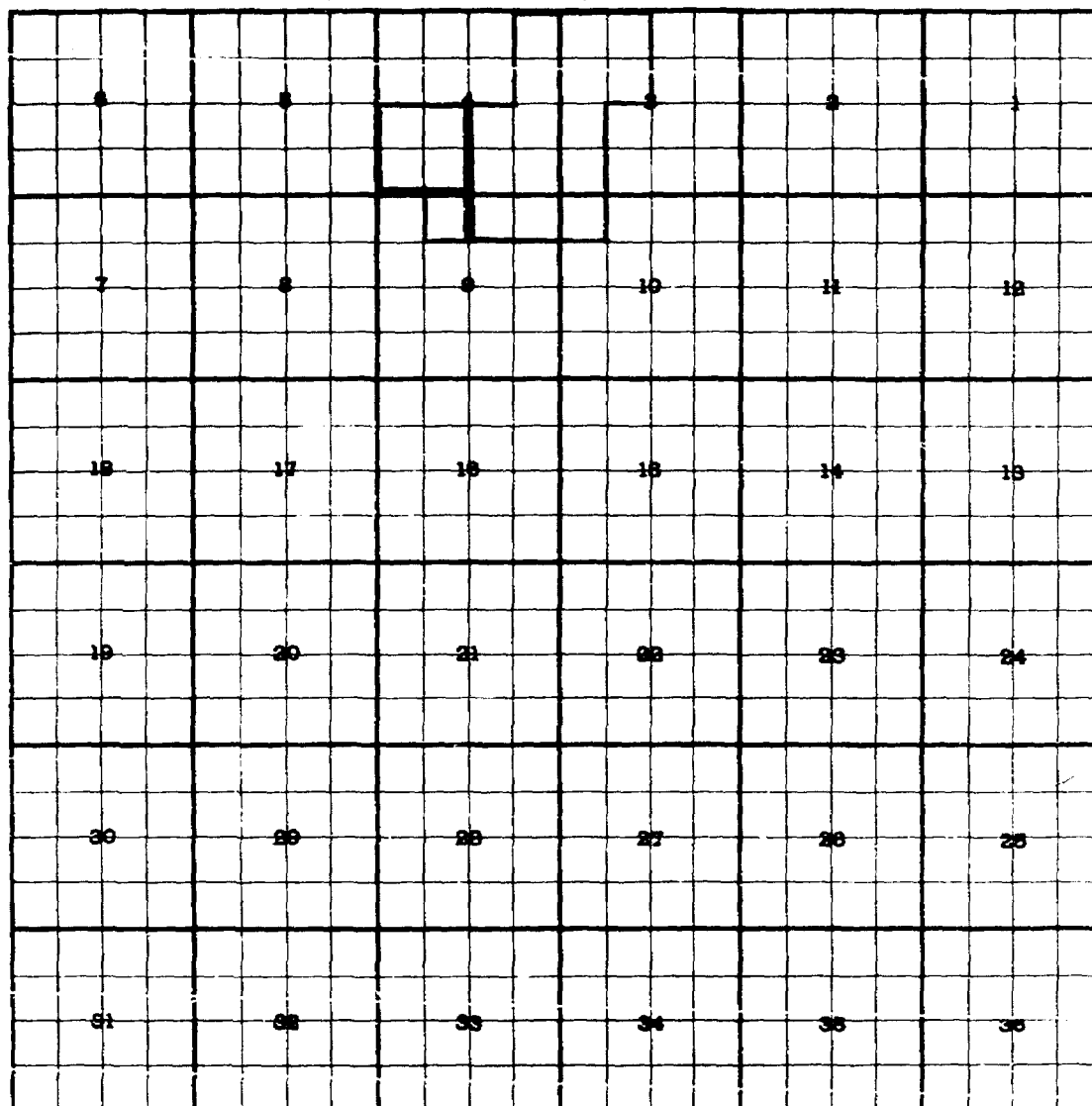
Pool boundary colored in red.

Proposed extension colored in green. SECTION 20: SE/4

CASE 2401: (dd) EXTENSION OF AN EXISTING OIL POOL (Continued)

County LEA Pool PEARL-QUEEN

TOWNSHIP 20 South, RANGE 35 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: As stated on first page of Exhibit (dd)

SOUTHERN UNION PROD. CO. - Fed. Saunders No. 4 in Unit C of Section 9-20-35.

Completed in Queen August 23, 1961. TOP OF PERFORATIONS 4991'.

ADDITION-JAMES G. BROWN & ASSOC. - Federal No. 5 in Unit N of Section 4-20-35.

Completed in Queen September 19, 1961. TOP OF PERFORATIONS 4981'.

Pool boundary colored in red.

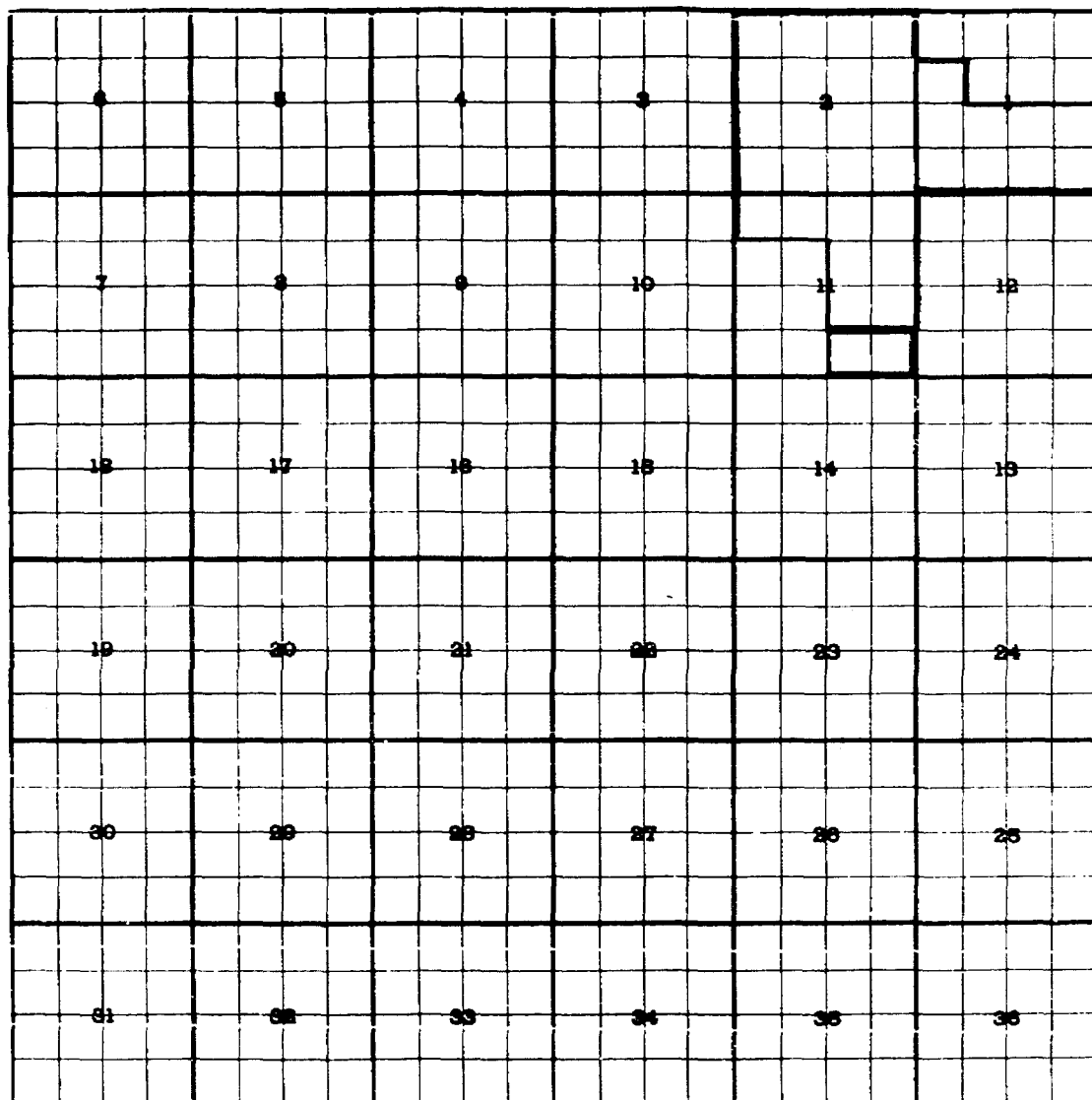
Proposed extensions colored in green. SECTION 9: NE/4 NW/4

ADDITION-----SECTION 4: SW/4

CASE 2401: (ee) EXTENSION OF AN EXISTING OIL POOL

County EDDY Pool ROBINSON-GRAYBURG

TOWNSHIP 17 South, RANGE 31 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

SKELLY OIL CO. - Lea "C" No. 5 in Unit O of Section 11-17-31. Completed
in Grayburg July 30, 1961. TOP OF PERFORATIONS 3576'.

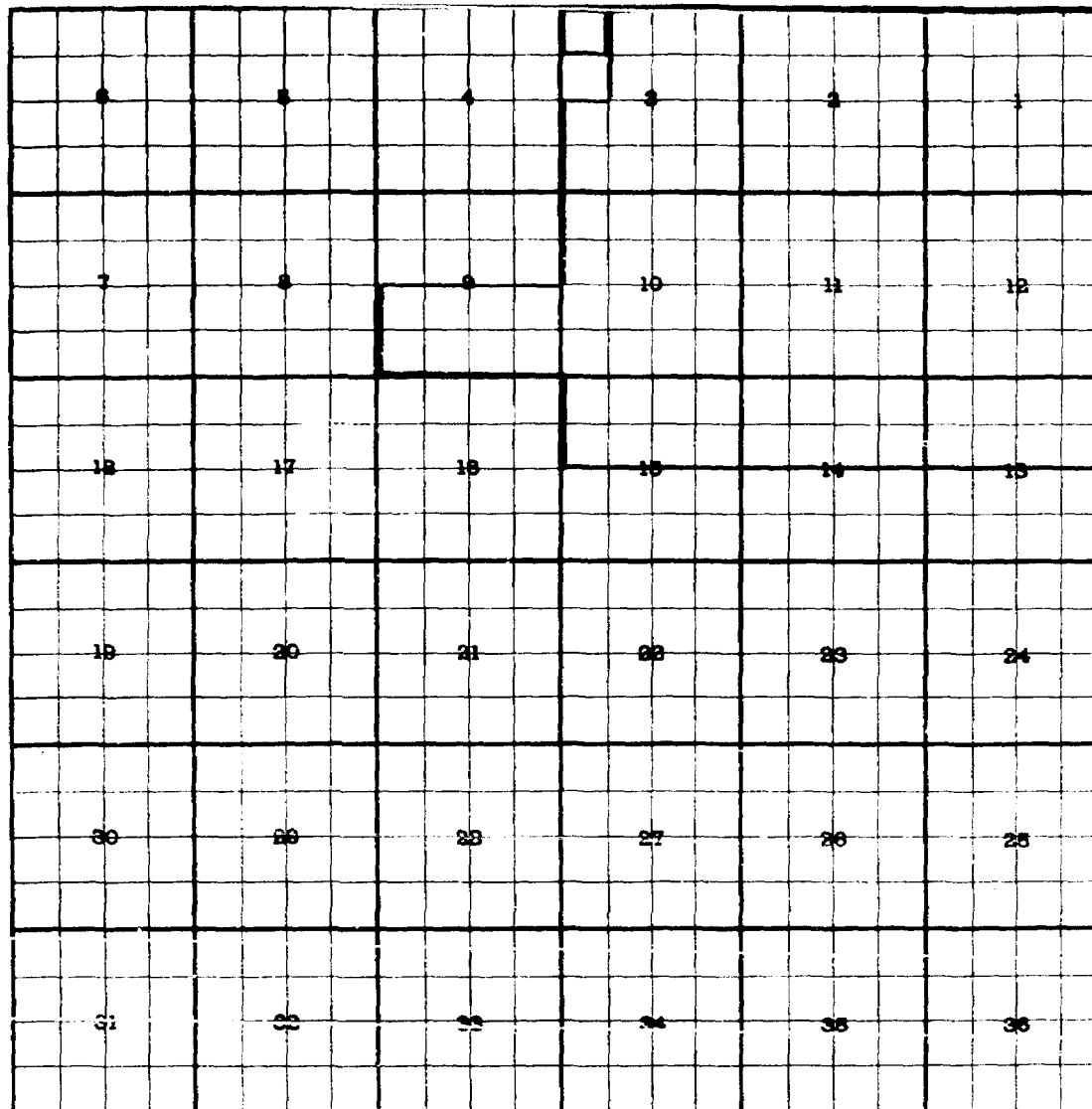
Pool boundary colored in red.

Proposed extension colored in green. SECTION 11: S/2 SE/4

CASE 2401: (FF) EXTENSION OF AN EXISTING GIL POOL

County SDDY Pool SQUARE LAKE

TOWNSHIP 17 South, RANGE 29 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: To allow for waterflood project.

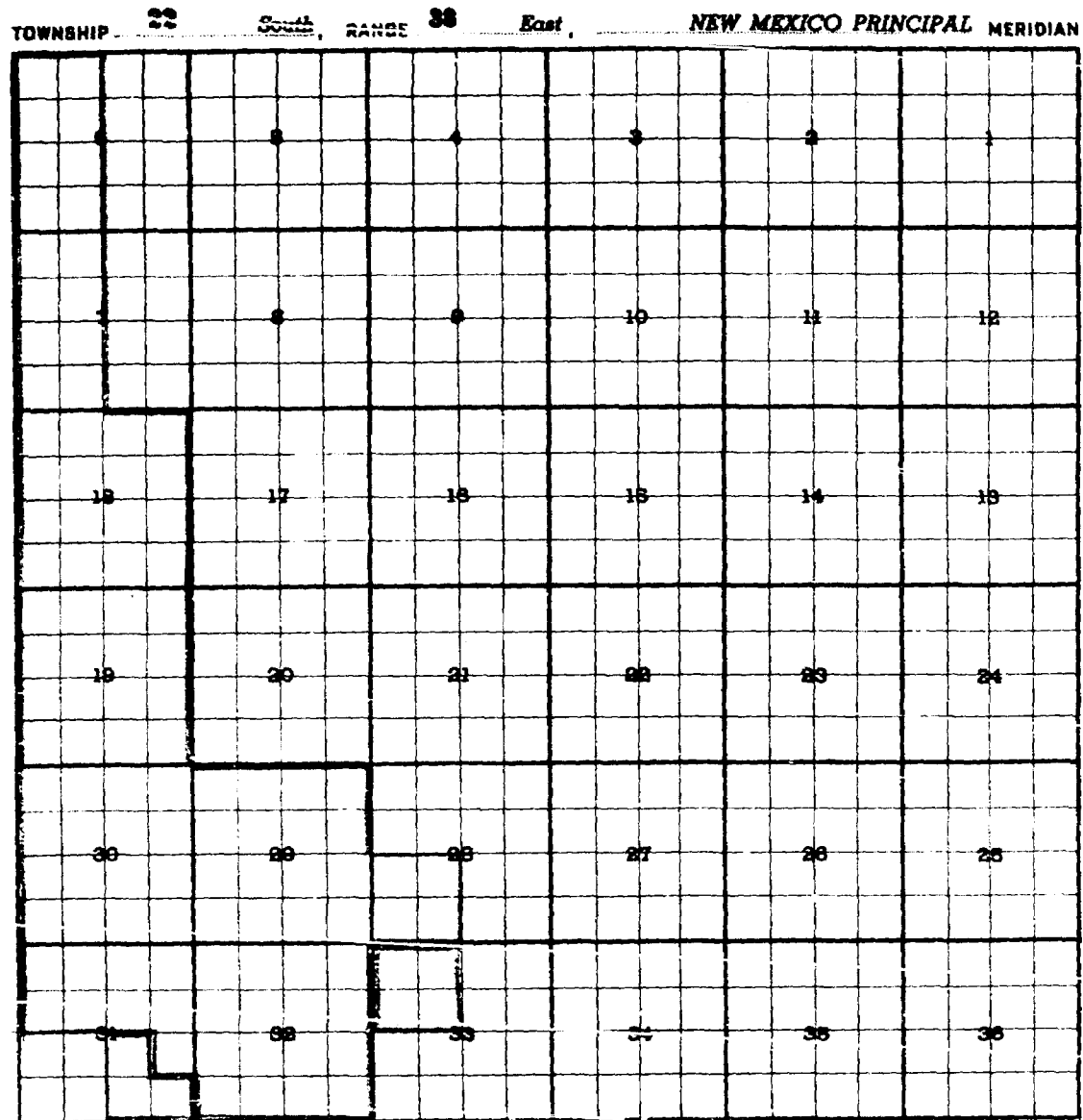
Extended from abolished area in Cave Pool for waterflood unit.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 3: NW/4 NW/4

CASE 2401: (gg) EXTENSION OF AN EXISTING GAS POOL

County LEA Pool TUBB GAS POOL



PURPOSE: Two (2) completed gas wells capable of producing.

TEXACO, INC. - A. H. Blinebry NCT-4 No. 1 in Unit P of Section 31-22-38.

Completed in Tubb August 2, 1961. TOP OF PERFORATIONS 6100'.

TEXACO, INC. - A. H. Blinebry NCT-1 No. 8 In Unit E of Section 33-22-38.

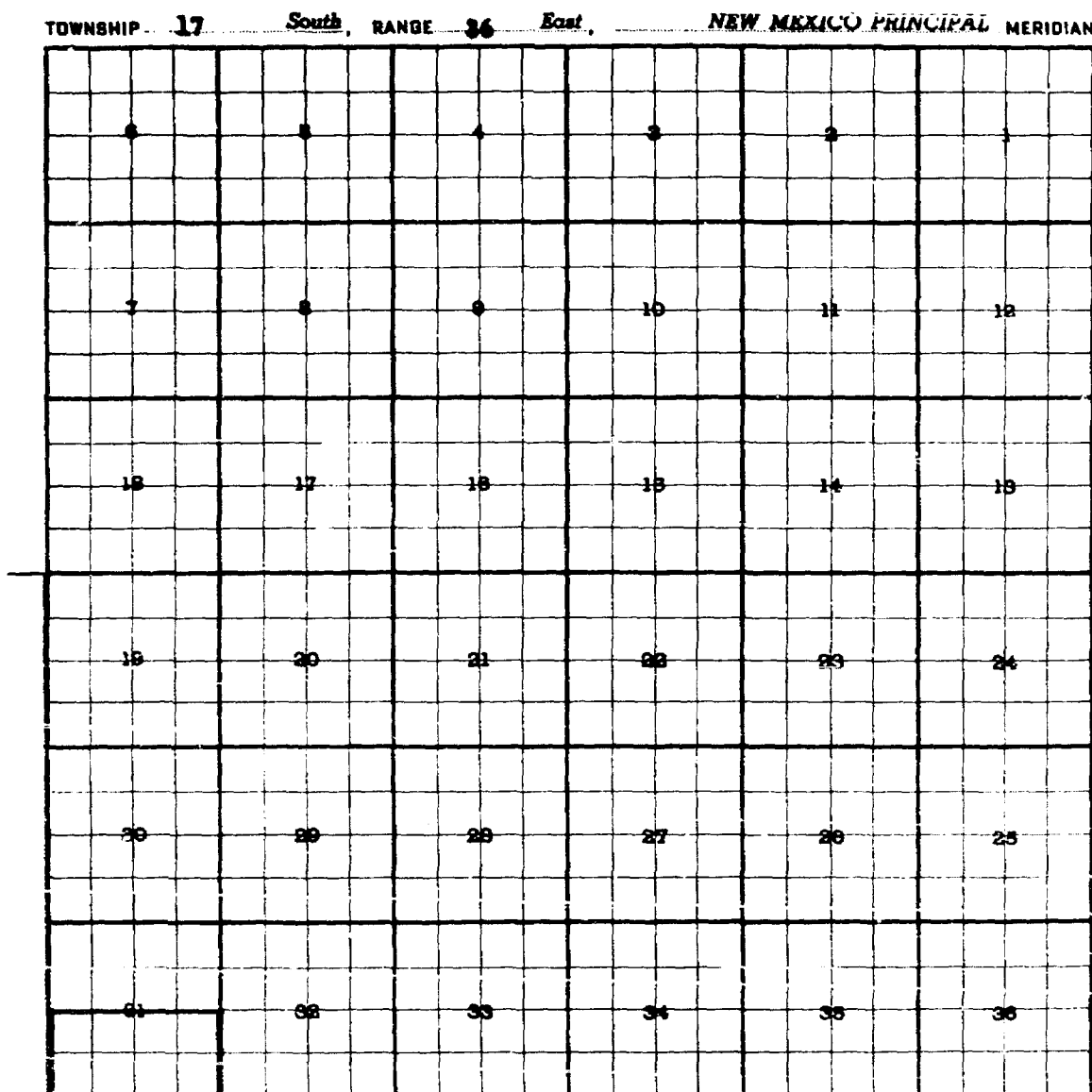
Completed in Tubb August 2, 1961. TOP OF PERFORATIONS 6150'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 31: W/2 SE/4 and SE/4 SE/4
SECTION 33: NW/4

CASE 2401: (hh) EXTENSION OF AN EXISTING OIL POOL

County IRA Pool Vacuum Grayburg - San Andres
~~Vacuum Grayburg, San Andres~~



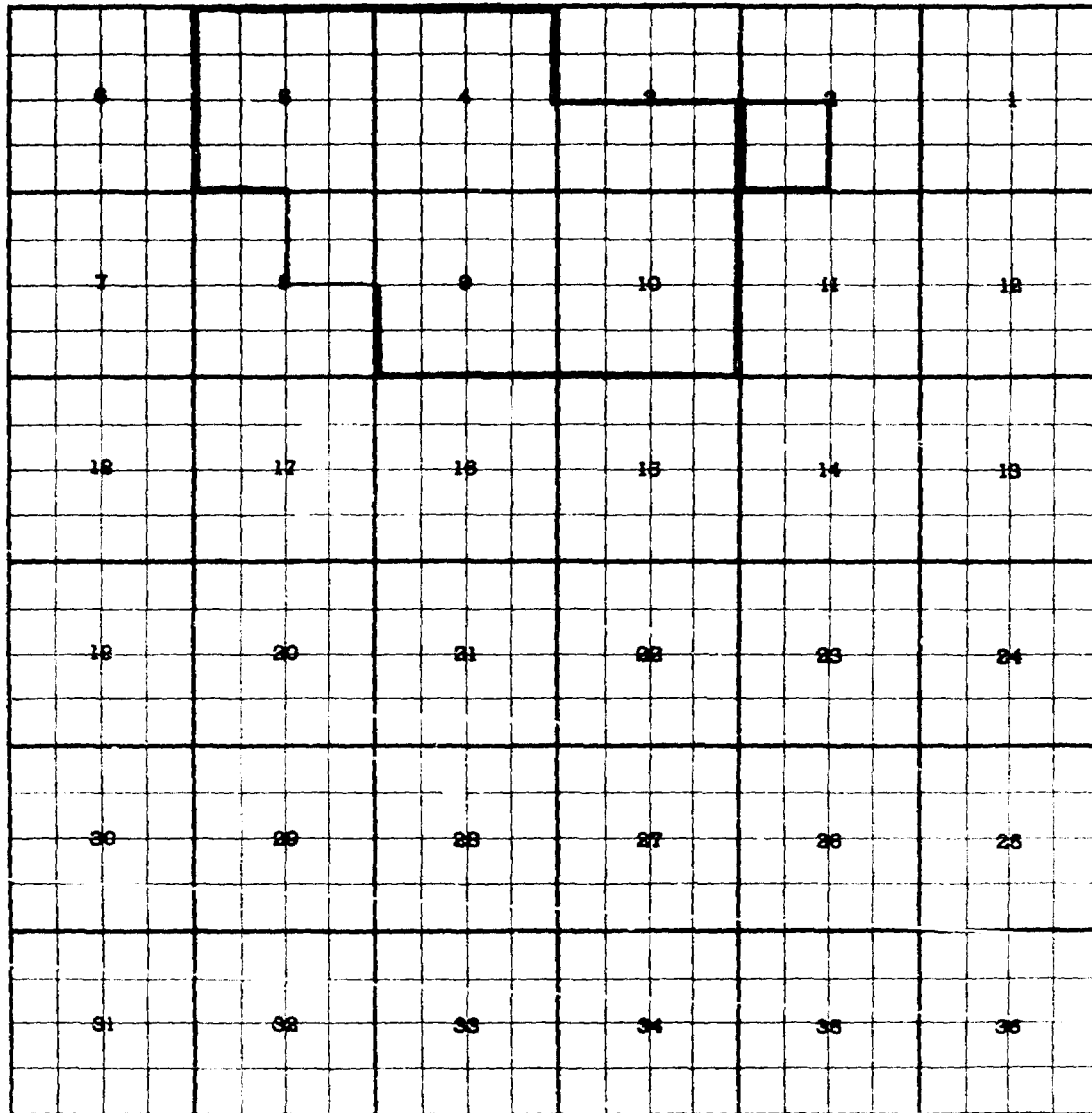
PURPOSE: One completed oil well capable of producing.
AZTEC OIL & GAS CO. - State "VE" No. 1 in Unit P of Section 31-17-36.
 Completed in Grayburg June 30, 1961.
 DEPTH TO CASING SHOE 5113'.

Pool boundary colored in red.
 Proposed extension colored in green. SECTION 31: 8/2

CASE 2401: (11) EXTENSION OF AN EXISTING GAS POOL

County LEWIS Pool VANDACRIFF-KEYS GAS

TOWNSHIP 17 South, RANGE 28 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed gas well capable of production.

KERSEY & CO. - A.S.U. "A" No. 1 in Unit M of Section 2-17-28. Completed
in Queen October 7, 1960. TOP OF PERFORATIONS 1644'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 2: SW/4