

CASE 1379:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

Case No.

1379

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
February 12, 1958

IN THE MATTER OF: Case No. ~~4380~~
1379

TRANSCRIPT OF PROCEEDINGS

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

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
February 13, 1958

IN THE MATTER OF:

Southeastern New Mexico nomenclature case
calling for an order for the creation of new
pools and the extension of existing pools in
Lea, Eddy and Chaves Counties, New Mexico.

Case 1379

(a) Create a new gas pool for Mississippian
production, designated as the Austin-
Mississippian Gas Pool, and described as:

Township 14 South, Range 36 East
Section 17: SW/4

(b) Create a new oil pool for Abo production,
designated as the Empire-Abo Pool, and des-
cribed as:

Township 18 South, Range 27 East
Section 11: NW/4

(c) Create a new gas pool for Pennsylvanian
production, designated as the Grayburg-Atoka
Gas Pool, and described as:

Township 17 South, Range 29 East
Section 22: NE/4

(d) Create a new oil pool for Drinkard
production, designated as the Justice-Drinkard
Pool, and described as:

Township 25 South, Range 37 East
Section 24: NE/4

(e) Create a new oil pool for Devonian pro-
duction, designated as the Sand Springs-Devonian
Pool, and described as:

Township 11 South, Range 34 East
Section 1: SW/4

(f) Include in the oil pool for Oil and Gas Production, designated as the Bell-Belmont Pool, and described as:

Township 26 South, Range 27 East
Section 21: NE/4

(g) Delete portions of the Arrowhead Pool described as:

Township 21 South, Range 36 East
Section 24: All
Section 25: E/2
Section 26: NE/4 NE/4

(h) Extend the Penrose Skelly Pool to include:

Township 21 South, Range 36 East
Section 24: SE/4
Section 25: SE/4 SE/4

Township 21 South, Range 37 East
Section 19: SW/4
Section 30: SW/4 SW/4

(i) Abolish the Anderson Pool described as:

Township 17 South, Range 29 East
Section 1: S/2
All of Sections 2, 3, 10, 11, & 12
Section 13: N/2
Section 14: N/2
Section 15: NE/4

Township 17 South, Range 30 East
Section 6: SW/4
Section 7: N/2

(j) Extend the Square Lake Pool to include:

Township 16 South, Range 29 East
Section 36: S/2 S/2

Township 16 South, Range 30 East
Section 31: S/2
Section 32: SW/4

Township 17 South, Range 29 East
All of Sections 1, 2, 3, 10, 11 & 12

Section 13: N/2
Section 14: N/2
Section 15: NE/4

Township 17 South, Range 31 East
Section 5: W/2
Section 6: All
Section 7: N/2

(k) Extend the Caprock-Queen Pool to include:

Township 14 South, Range 31 East
Section 17: W/2 SE/4

(l) Extend the Crosby-Devonian Gas Pool to include:

Township 25 South, Range 37 East
Section 20: SE/4

(m) Extend the Des Hermanos-Yates-Seven Rivers Pool to include:

Township 20 South, Range 32 East
Section 28: S/2 SE/4

(n) Extend the South Eunice Pool to include:

Township 21 South, Range 36 East
Section 34: SE/4

(o) Extend the Four Lakes-Devonian Pool to include:

Township 11 South, Range 34 East
Section 35: SE/4

(p) Extend the West Lusk Pool to include:

Township 12 South, Range 31 East
Section 23: NE/4

(q) Extend the Reeves-Pennsylvanian Pool to include:

Township 18 South, Range 35 East
Section 14: SE/4
Section 23: N/2

(r) Extend the Townsend-Half Day Pool to include:

Township 16 South, Range 36 East
Lots 9, 10, 11, 14, 15, 16

(s) Extend the Tubb Gas Pool to include:

Township 21 South, Range 37 East
Section 14: SE/4

BEFORE:

Mr. A. L. Porter, Jr.
Mr. Murray Morgan
Governor Edwin L. McChesney

TRANSCRIPT OF PROCEEDINGS

MR. PORTER: The Commission will consider next Case 1379.

MR. COOLEY: Case 1379: Southeastern New Mexico nomenclature case calling for an order for the creation of new pools and the extension of existing pools in Lea, Eddy and Chavez Counties, New Mexico.

RANDALL MONTGOMERY

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

DIRECT EXAMINATION

By MR. COOLEY:

Q State your name and position, please.

A Randall Montgomery, Proration Manager for New Mexico Oil Conservation Commission.

Q In your official capacity with the New Mexico Oil Conserva-

tion Commission, have you had an opportunity to make a study of the creation of new pools and the extension of existing pools in Lea, Eddy and Chaves Counties, New Mexico?

A I have.

Q Do you have any recommendations concerning the creation of a gas pool in Township 14 South, Range 36 East?

A I recommend that the pool be created as advertised and named the Austin-Mississippian Gas Pool, covering the southwest quarter of Section 17, Township 14 South, Range 36 East.

Q Township 14 South, Range 36 East?

A Right.

Q Proceed.

A The discovery well was the Phillips Petroleum Company Austin No. 1 in Unit M of Section 17, Township 14 South, Range 36 East, completed in the Mississippian on 4/7/57. The top of the perforation was 13,194 feet.

Q What do you recommend as the vertical limits?

A The Mississippian formation.

Q Do you have any recommendation concerning the creation of a new oil pool for Abo production in Township 18 South, Range 27 East?

A I do. I recommend that the pool be created as advertised, being the Empire-Abo Pool, covering the northwest quarter of Section 11, Township 18 South, Range 27 East. The discovery well in this pool was the Pan American Petroleum Corporation Malco Refineries

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A Well No. 1 in Unit E of Section 11, 18, 27, completed in the formation on 11/6/57, the top of the perforation was 6,314 feet.

Q What are the vertical limits?

A To be the Abo formation.

Q Do you have any recommendation concerning the creation of a new gas pool for Pennsylvanian production in Township 17 South, Range 29 East?

A I do. I recommend that this pool be created as advertised being the Grayburg-Atoka Gas Pool, and the area covered is the northwest quarter of Section 22, Township 17 South, Range 29 East. The discovery well was the El Paso Natural Gas Company Leonard State Well No. 1 in Unit E of Section 22-17-29, completed in the Upper Atoka formation on 11/27/57. The top of the perforation was 10,680 feet.

Q What do you recommend as the vertical limits?

A The Upper Atoka formation.

Q What are your recommendations concerning the creation of a new oil pool for Drinkard production in Township 25 South, Range 37 East?

A I recommend that pool be created as advertised and called the Justis-Drinkard Pool, and the vertical limits being the Drinkard formation, the horizontal being the northeast quarter of Section 24. The discovery well was the Tidewater Oil Company A. P. Coats C Well No. 8 in Unit E of Section 24, Township 25 South, Range 37 East, completed in the Drinkard on 11/23/57, top

of the perforation, 5,921 feet.

Q Do you have any recommendations concerning the creation of a new oil pool for Devonian production in Township 11 North, Range 34 East?

A I do. I recommend that that pool be created as advertised, called the Sand Springs-Devonian Pool, the horizontal limits to be the southwest quarter of Section 1, the vertical limits to be the Devonian formation. The discovery well was Sinclair Oil and Gas Company State Lea 840 Well No. 1 in Unit M, Section 1-11-34, completed in the Devonian on 11/23/57. The top of the perforation was 13,115 feet.

Q What are your recommendations concerning the creation of a new oil pool for Delaware production in Township 26 South, Range 27 East?

A I recommend that pool be created as advertised, to be called the Welch-Delaware Pool, and the vertical limits to be the Delaware formation, the horizontal limits to be the northwest quarter of Section 21, Township 26 South, Range 27 East. The discovery well is the El Paso Natural Gas Company Welch No. 2 in Unit D of Section 21-26-27, completed in the Delaware on 11/26/57, the top of the perforation being 2,125 feet.

Q Mr. Montgomery, do you have any recommendations concerning the Arrowhead Pool?

A I recommend that portion that is advertised in the Arrowhead Pool be deleted, the basis for this being non-productive acreage.

and dry holes between recently completed wells.

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

A I do. I recommend that the Penrose Skelly be extended as advertised, due to a recent completion. Also an unadvertised portion, being the northeast quarter of Section 24 in Township 21 South, Range 36 East, and the northeast quarter of Section 25 in Township 21 South, Range 36 East, and the northeast quarter of the southeast quarter of Section 25 in 21 South, Range 36 East.

MR. PORTER: Just a minute, Mr. Montgomery. What were your recommendations there concerning Section 25? What portion of that should be included?

A The unadvertised portion, the northeast quarter, and the northeast quarter of the southeast quarter.

MR. PORTER: The plat I have shows the southeast of the southeast.

A That portion is advertised.

MR. PORTER: The southeast quarter southeast quarter of 25 was advertised?

A Yes. Also to be included in that portion that was unadvertised would be the northwest quarter of Section 19 in Township 21 South, Range 27 East, and the northwest quarter and the northwest of the southwest quarter of Section 30 in Township 21 South, Range 27 East.

Q Do you have any recommendations concerning the Anderson Pool?

A I recommend that the Anderson Pool be abolished in the entire horizontal limits, due to recent completions of wells from the Anderson and Square Lake, which now make the pools contiguous in their horizontal limits, since they both have the same vertical limits they should be combined.

Q Is it your recommendation that the Square Lake be extended to include the acreage that was formerly included in the Anderson Pool?

A Yes, plus some other acreage advertised due to recent completion of four wells capable of producing from the Square Lake Pool.

Q What are your recommendations concerning the extension of the Caprock-Queen Pool?

A I recommend that the Caprock-Queen Pool be extended as advertised, the basis being the completion of one well capable of producing from the Caprock-Queen Pool.

Q What are your recommendations concerning the extension of the Crosby-Devonian Gas Pool?

A I recommend that it be extended as advertised, and also the unadvertised portion, being the southwest quarter of Section 33 in Township 25 South, Range 37 East. The basis for this extension is the recent completion of two wells capable of producing from the Crosby-Devonian Gas Pool.

MR. PORTER: Mr. Montgomery, did you say the southwest quarter of Section 33?

A Yes, sir, I did.

MR. PORTER: Thank you.

Q Mr. Montgomery, do you have any recommendation concerning the extension of the Dos Hermanos-Yates-Seven Rivers Pool?

A Yes, sir, I have. I recommend that the pool be extended as advertised on the basis of one well capable of producing from that pool.

Q What are your recommendations concerning the extension of the South Eunice Pool?

A I recommend that the pool be extended as advertised, and also an unadvertised portion, being the southeast quarter of Section 33, Township 21 South, Range 36 East; basis for this was the recent completion of three wells capable of producing from this field.

Q What are your recommendations concerning the extension of the Four Lakes-Devonian Pool?

A I recommend that pool be extended as advertised, on the basis of one well capable of producing from that field.

Q What are your recommendations concerning the extension of the West Lusk Pool?

A That that pool be extended as advertised, on the basis of one well capable of producing from this field.

Q What are your recommendations concerning the extension of the Reeves-Pennsylvanian?

A I recommend that the pool be extended as advertised, on the basis of two wells capable of producing from this field.

Q Do you have any recommendation concerning the Townsend-Wolfcamp Pool?

A I recommend that portion of this case be dismissed.

Q For what reason?

A We failed to get the Section number in there.

MR. COOLEY: Move the Commission at this time to dismiss sub-paragraph (r) of Case 1379, due to an error in advertisement.

MR. PORTER: Paragraph (r)?

MR. COOLEY: Paragraph (r), extension of the Townsend-Wolfcamp Pool.

MR. PORTER: The Commission will dismiss paragraph (r) in Case 1379.

Q Mr. Montgomery, do you have any recommendation concerning the extension of the Tubb Gas Pool?

A I recommend that the Tubb Gas Pool be extended as advertised on the basis of one well capable of producing from this pool.

Q Do you have any further recommendations?

A No, sir.

Q Have you prepared exhibits to substantiate your recommendations?

A I have, and I have marked them 1 through 23.

Q Is No. 22 missing?

A No numbers missing.

MR. COOLEY: I move the Commission at this time to admit Exhibits 1 through 23 in Case 1379.

MR. PORTER: Without objection they will be admitted. I have one question. In connection with this, I was trying to find the exhibit in connection with the Atoka Pool that you recommended.

A That should be Exhibit 3.

MR. PORTER: Anyway, I believe that pool was advertised to be created as the Grayburg-Atoka?

A Yes, that is correct.

MR. PORTER: You were asked a question as to what should be the vertical limits. You said the Upper Atoka?

A I was thinking of what it was completed in. You were more on your toes than I was. The vertical limits would officially be the Atoka.

MR. PORTER: Then you would recommend that the entire Atoka zone be designated as the vertical limits?

A Yes, sir.

MR. PORTER: Thank you. Anyone else have a question of the witness? The witness may be excused.

(Witness excused.)

MR. PORTER: Anything further in this case? We will take the case under advisement.

2 E R I E I M A I E

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO }

I, ADA DEARNLEY, 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 under my personal supervision, 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 12th day of March, 1958, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Ada Dearnley
NOTARY PUBLIC

My commission expires:

June 19, 1959.

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

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. 1379
Order No. R-1129

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 13, 1958, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 20th day of February, 1958, 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 gas from the Mississippian formation, said pool to bear the designation Austin-Mississippian Gas Pool. Said Austin-Mississippian Gas Pool was discovered by Phillips Petroleum Company Austin Well No. 1, located in the SW/4 SW/4 Section 17, Township 14 South, Range 36 East, NMPM. It was completed April 7, 1957. The top of the perforations is at 13,194 feet.

(3) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation Empire-Abo Pool. Said Empire-Abo Pool was discovered by Pan American Petroleum Corporation Malco A Well No. 1, located in the NE/4 NW/4 Section 11, Township 18 South, Range 27 East, NMPM. It was completed November 6, 1957. The top of the perforations is at 6,014 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

Atoka formation, said pool to bear the designation Grayburg-Atoka Gas Pool. Said Grayburg-Atoka Gas Pool was discovered by El Paso Natural Gas Company Leonard State Well No. 1, located in the SW/4 NW/4 Section 22, Township 17 South, Range 29 East, NMPM. It was completed November 27, 1957. The top of the perforations is at 10,680 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 Drinkard formation, said pool to bear the designation Justis-Drinkard Pool. Said Justis-Drinkard Pool was discovered by Tidewater Oil Company A. B. Coats "C" Well No. 8, located in the NW/4 NE/4 Section 24, Township 25 South, Range 37 East, NMPM. It was completed November 23, 1957. The top of the perforations is at 5,930 feet.

(6) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Devonian formation, said pool to bear the designation Sand Springs-Devonian Pool. Said Sand Springs-Devonian Pool was discovered by Sinclair Oil & Gas Company State Lea 840 Well No. 1, located in the SW/4 SW/4 Section 1, Township 11 South, Range 34 East, NMPM. It was completed November 23, 1957. The top of the perforations is at 13,115 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 Welch-Delaware Pool. Said Welch-Delaware Pool was discovered by El Paso Natural Gas Company Welch Well No. 2, located in the NW/4 NW/4 Section 21, Township 26 South, Range 27 East, NMPM. It was completed November 26, 1957. The top of the perforations is at 2,105 feet.

(8) That there is need for certain extensions to the Penrose-Skelly Pool, The Crosby-Devonian Gas Pool, The South Eunice Pool, the Four Lakes-Devonian Pool, the Reeves-Pennsylvanian Pool, and to the Tubb Gas Pool, all in Lea County, New Mexico, to the Square Lake Pool, the Dos Hermanos-Yates Seven Rivers Pool, and the West Lusk Pool, all in Eddy County, New Mexico, and to the Caprock-Queen Pool in Lea and Chaves Counties, New Mexico. Further, that there is need for deleting certain acreage from the Arrowhead Pool in Lea County, New Mexico, inasmuch as that acreage has proven unproductive and further, inasmuch as the Anderson Pool in Eddy County, New Mexico, has the same vertical limits as the Square Lake Pool, that the said Anderson Pool should be abolished and the acreage included therein should be included in the Square Lake Pool. Further, that the proposed extension to the Townsend-Wolfcamp Pool, and a portion of the deletion from the Arrowhead Pool in Lea County, New Mexico were advertised in error and should therefore be dismissed.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM
Section 17: SW/4

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

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
Section 11: NW/4

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

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 22: NW/4

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

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 24: NE/4

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

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
Section 1: SW/4

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

TOWNSHIP 26 SOUTH, RANGE 27 EAST, NMPM
Section 21: NW/4

(g) That the Arrowhead Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby contracted by the following described area:

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TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 24: All
Section 25: E/2

and further, that the proposed deletion of the following described area

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 26: NE/4 NE/4

be and the same is hereby dismissed.

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

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 24: E/2
Section 25: NE/4 and E/2 SE/4

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 19: W/2
Section 30: NW/4 and W/2 SW/4

(i) That the Anderson Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, and consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 1: S/2
Sections 2, 3, 10, 11, and 12: All
Section 13: N/2
Section 14: N/2
Section 15: NE/4

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 6: SW/4
Section 7: N/2

be and the same is hereby abolished.

(j) 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, NMPM
Section 36: S/2 S/2

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM
Section 31: S/2
Section 32: SW/4

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Sections 1, 2, 3, 10, 11, and 12: All
Section 13: N/2
Section 14: N/2
Section 15: NE/4

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM

Section 5: W/2
Section 6: All
Section 7: N/2

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

TOWNSHIP 14 SOUTH, RANGE 31 EAST, NMPM

Section 17: W/2 SW/4

(l) That the Crosby-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, NMPM

Section 20: SE/4
Section 33: SW/4

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

TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM

Section 28: S/2 SE/4

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

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM

Section 33: SE/4
Section 34: SW/4

(o) That the Four Lakes-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 34 EAST, NMPM

Section 35: SE/4

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

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM

Section 23: NW/4

(q) That the Reeves-Pennsylvanian 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 35 EAST, NMPM

Section 14: SE/4
Section 23: N/2

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(r) That the proposed extension to the Townsend-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM
Section 6: Lots 9, 10, 11, 14, 15, and 16

be and the same is hereby dismissed.

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

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 14: SE/4

IT IS FURTHER ORDERED:

That the effective date of this order and of all the creations, abolitions, contractions and extensions included herein shall be March 1, 1938.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. Mechem

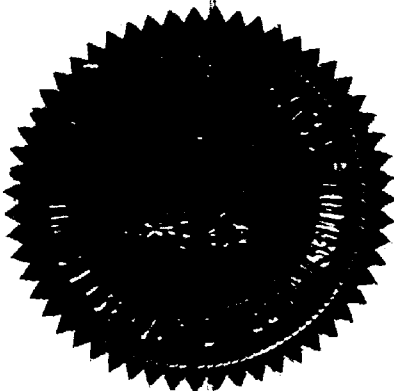
EDWIN L. MECHEM, Chairman

Murray E. Morgan

MURRAY E. MORGAN, Member

A. L. Porter, Jr.

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



ir/

DOCKET: REGULAR HEARING FEBRUARY 13, 1958

Oil Conservation Commission 9 a.m., Mabry Hall, State Capitol, Santa Fe, NM

- ALLOWABLE: (1) Consideration of the oil allowable for March, 1958.
- (2) Consideration of the allowable production of gas for March, 1958, for six prorated pools in Lea County, New Mexico; also consideration of the allowable production of gas from six prorated pools in San Juan and Rio Arriba Counties, New Mexico, for March, 1958.

NEW CASES

- CASE 977: In the matter of the hearing order to be held by Paragraph 7 of Order No. R-794-B to permit Southern Union Gas Company and all other interested parties to appear and show cause why the Special Pool Rules for the Tapacito-Pictured Cliffs Gas Pool, as set forth in Order No. R-794, should be continued in effect beyond April 1, 1958.
- CASE 1376: Application of The Texas Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Little Lucky Lake Unit Agreement embracing 11,715 acres, more or less, of Federal and State Lands in Township 15 South, Range 29 East; Township 15 South, Range 30 East, and Township 16 South, Range 30 East, in Chaves and Eddy Counties, New Mexico.
- CASE 1377: In the matter of the hearing called by the Oil Conservation Commission of New Mexico on its own motion to consider the establishment of minimum allowables for gas wells in San Juan, Rio Arriba, Sandoval, and McKinley Counties, New Mexico.
- CASE 1378: Application of El Paso Natural Gas Company for an order amending Order No. R-333-C & D. Applicant, in the above-styled cause, seeks an order revising, amending or deleting certain portions of Order No. R-333-C & D to extend the testing period and revise the test scheduling procedure applicable to gas wells in San Juan, Rio Arriba, Sandoval, and McKinley Counties, New Mexico.
- CASE 1379: Southeastern New Mexico nomenclature case calling for an order for the creation of new pools and the extension of existing pools in Lea, Eddy and Chaves Counties, New Mexico.
- (a) Create a new gas pool for Mississippian production, designated as the Austin-Mississippian Gas Pool, and described as:

Township 14 South, Range 36 East
Section 17 SW/4

- (b) Create a new oil pool for Abo production, designated as the Empire-Abo Pool and described as:

Township 18 South, Range 27 East
Section 11 NW/4

- (c) Create a new gas pool for Pennsylvanian production, designated as the Grayburg-Atoka Gas Pool, and described as:

Township 17 South, Range 29 East
Section 22 NW/4

- (d) Create a new oil pool for Drinkard production, designated as the Justis-Drinkard Pool, and described as:

Township 25 South, Range 37 East
Section 24 NE/4

- (e) Create a new oil pool for Devonian production, designated as the Sand Springs-Devonian Pool and described as:

Township 11 South, Range 34 East
Section 1 SW/4

- (f) Create a new oil pool for Delaware production, designated as the Welch-Delaware Pool, and described as:

Township 26 South, Range 27 East
Section 21 NW/4

- (g) Delete portions of the Arrowhead Pool described as:

Township 21 South, Range 36 East
Section 24 All
Section 25 E/2
Section 26 NE/4 NE/4

- (h) Extend the Penrose Skelly Pool to include:

Township 21 South, Range 36 East
Section 24 SE/4
Section 25 SE/4 SE/4

Township 21 South, Range 37 East
Section 19 SW/4
Section 30 SW/4 SW/4

- (i) Abolish the Anderson Pool described as:

Township 17 South, Range 29 East
Section 1 S/2
All of Sections 2 3 10 11 & 12
Section 13 N/2
Section 14 N/2
Section 15 NE/4

Township 17 South, Range 30 East
Section 6: SW/4
Section 7: N/2

- (j) Extend the Square Lake Pool to include:

Township 16 South, Range 29 East
Section 36: S/2 S/2

Township 16 South, Range 30 East
Section 31: S/2
Section 32: SW/4

Township 17 South, Range 29 East
All of Sections 1, 2, 3, 10, 11, & 12
Section 13: N/2
Section 14: N/2
Section 15: NE/4

Township 17 South, Range 30 East
Section 5: W/2
Section 6: All
Section 7: N/2

- (k) Extend the Caprock-Queen Pool to include:

Township 14 South, Range 31 East
Section 17: W/2 SW/4

- (l) Extend the Crosby-Devonian Gas Pool to include:

Township 25 South, Range 37 East
Section 20: SE/4

- (m) Extend the Dos Hermanos-Yates-Seven Rivers Pool to include:

Township 20 South, Range 30 East
Section 28: S/2 SE/4

- (n) Extend the South Eunice Pool to include:

Township 21 South, Range 36 East
Section 34: SW/4

- (o) Extend the Four Lakes-Devonian Pool to include:

Township 11 South, Range 34 East
Section 35: SE/4

- (p) Extend the West Lusk Pool to include:

Township 19 South, Range 31 East
Section 23: NW/4

- (q) Extend the Reeves-Pennsylvanian Pool to include:

Township 18 South, Range 35 East
Section 14: SE/4
Section 23: N/2

- (r) Extend the Townsend-Wolfcamp Pool to include:

Township 16 South, Range 36 East
Lots 9, 10, 11, 14, 15, 16

- (s) Extend the Tubb Gas Pool to include:

Township 21 South, Range 37 East
Section 14: SE/4

CASE 1380: Northwestern New Mexico nomenclature case calling for an order for the extension of existing pools in San Juan and Rio Arriba Counties, New Mexico.

- (a) Extend the Aztec-Pictured Cliffs Pool to include:

Township 29 North, Range 10 West
Section 29: S/2

- (b) Extend the East Blanco-Pictured Cliffs Pool to include:

Township 30 North, Range 4 West
Section 10: SW/4
Section 15: NW/4

- (c) Extend the Ballard-Pictured Cliffs Pool to include:

Township 26 North, Range 8 West
Section 14: SW/4

- (d) Extend the Tapacito-Pictured Cliffs Pool to include:

Township 26 North, Range 3 West
All of Sections 8 & 17

- (e) Extend the South Blanco-Pictured Cliffs Pool to include:

Township 25 North, Range 3 West
Section 18: W/2
Section 19: NW/4

Township 25 North, Range 4 West
Section 13: S/2
Section 24: N/2

Township 26 North, Range 5 West
All of Sections 17 & 18

Township 27 North, Range 7 West
All of Sections 9 & 10

Township 28 North, Range 8 West
All of Sections 30, 32 & 33
Section 34: W/2

(f) Extend the Bisti-Lower Gallup Oil Pool to include:

Township 25 North, Range 11 West
Section 7: SW/4

Township 25 North, Range 12 West
Section 11: S/2
Section 12: All

(g) Extend the Verde-Gallup Oil Pool to include:

Township 31 North, Range 15 West
Section 23: SE/4
Section 24: S/2
Section 25: NE/4

CONTINUED CASE

CASE 1369: In the matter of the hearing upon the motion of the Oil Conservation Commission of New Mexico at the request of The Atlantic Refining Company to amend Rule 107 of the Commission Rules and Regulations pertaining to casing, tubing, and cementing requirements.

ir/

Doc. well: Hilli, Raymond W. Journal of Ind. Med. 1944-46
vol. 10, starting Jan 4/7/45 to year 1946

County San Diego Pool ALTON ROAD - 111.00

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a standard 6x6 grid pattern, starting from 1 in the top-right corner and increasing towards the bottom-left. A 2x2 square is highlighted in the center of the grid, covering the cells containing the numbers 17, 18, 19, and 20. The numbers are: Row 1: 6, 5, 4, 3, 2, 1; Row 2: 7, 8, 9, 10, 11, 12; Row 3: 13, 14, 15, 16, 17, 18; Row 4: 19, 20, 21, 22, 23, 24; Row 5: 25, 26, 27, 28, 29, 30; Row 6: 31, 32, 33, 34, 35, 36. The highlighted 2x2 square contains the numbers 17, 18, 19, and 20.

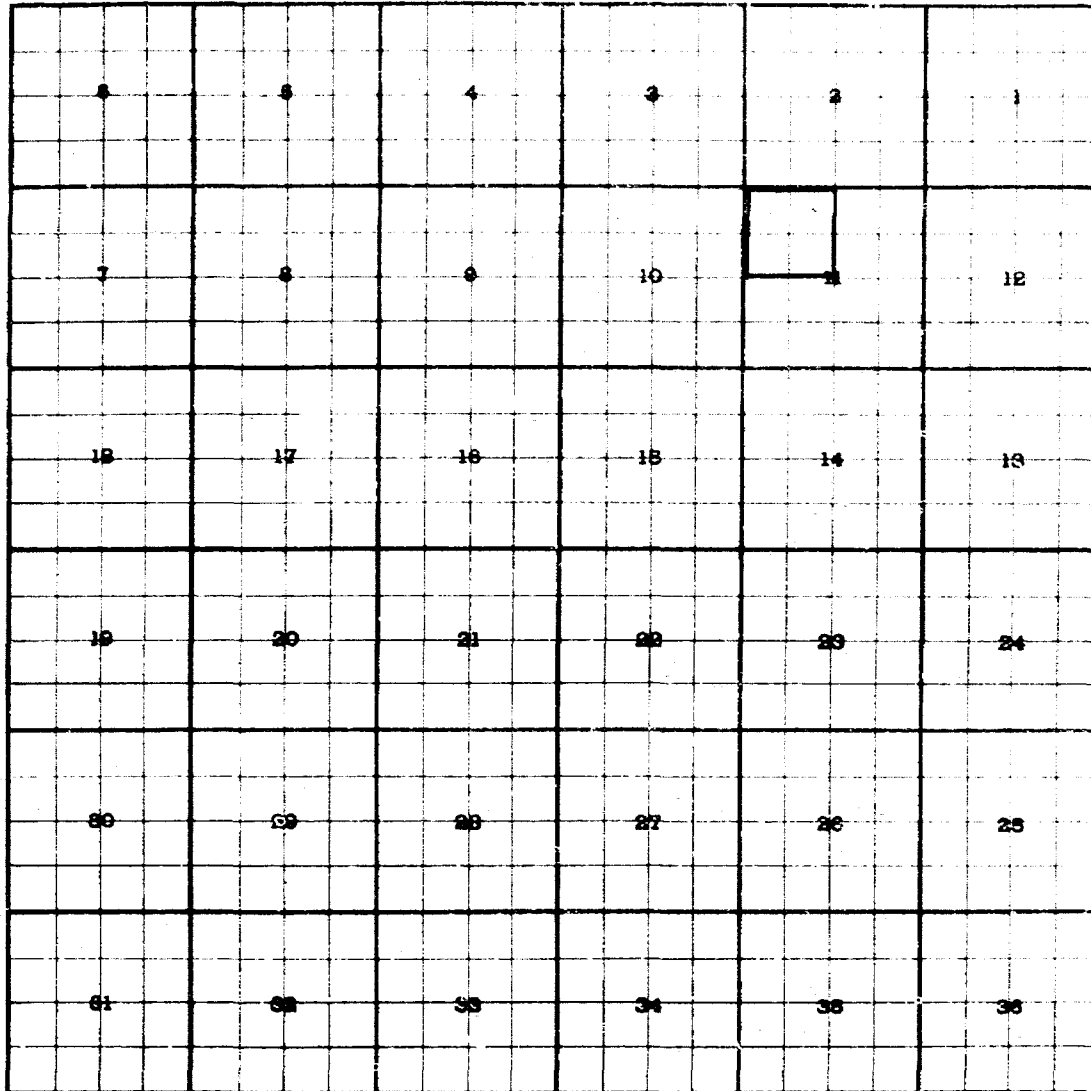
Proposed Pool boundary colored in red: SW/4 of Section 17

Date 1979: (i) Creation of a new pool

Loc. well: Big American Nat. Park Water offensive in Unit C
Section 11-18-27 Sup. to No 11/17/7 to part 6014

County NEW Pool 11-18-27

TOWNSHIP 18 South RANGE 27 East NEW MEXICO PRINCIPAL MERIDIAN

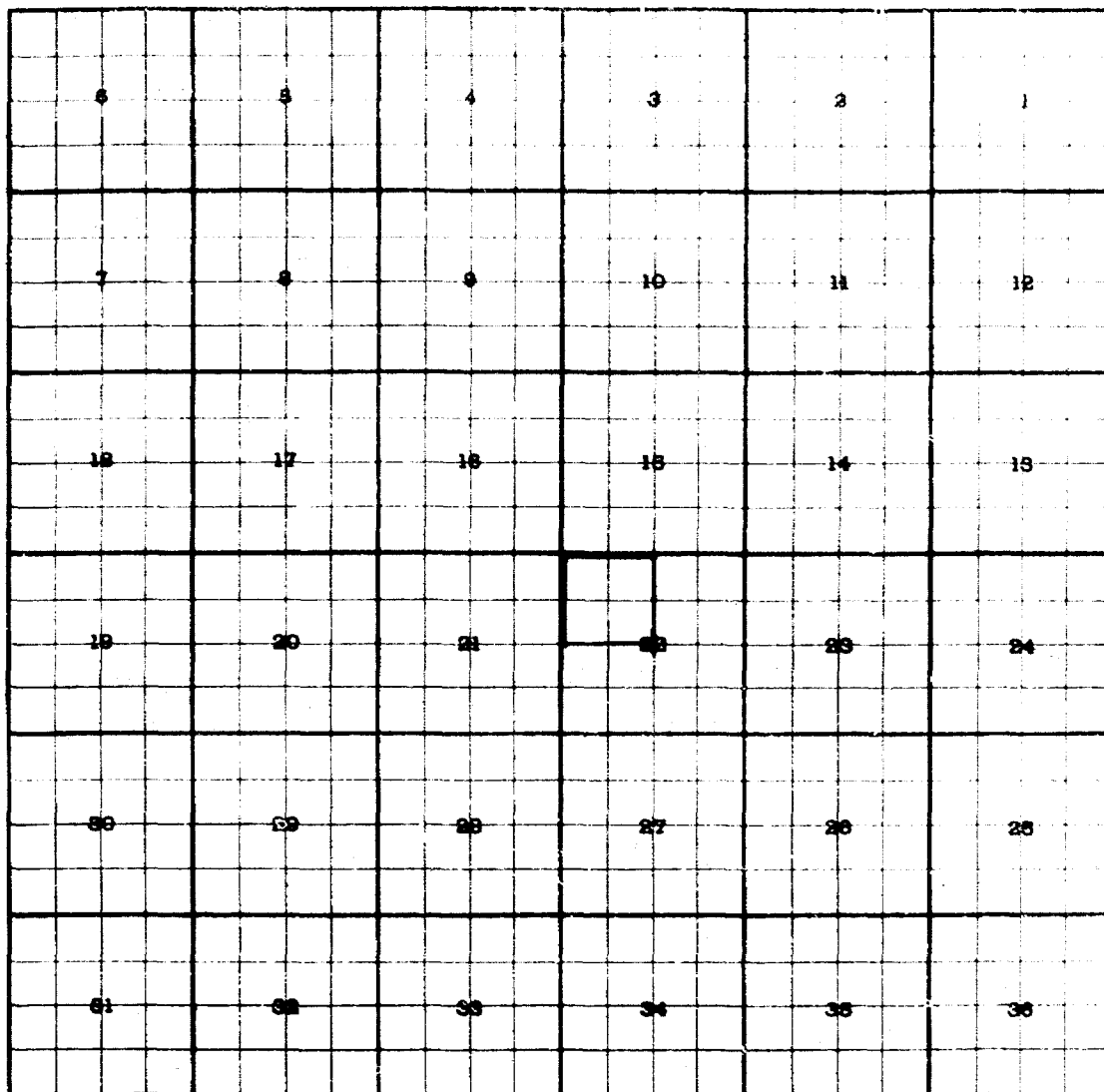


Proposed Pool Boundary colored in Red: NW/4 of Section 11

Case 1312: (C) Location of a new pool
Prop. well: El Paso Natural Gas Co. Location: into 11 in well
Water: 2000 ft. deep in Upper Permian 10,400

County El Paso Pool Permian

TOWNSHIP 37 South, RANGE 29 East, NEW MEXICO PRINCIPAL MERIDIAN



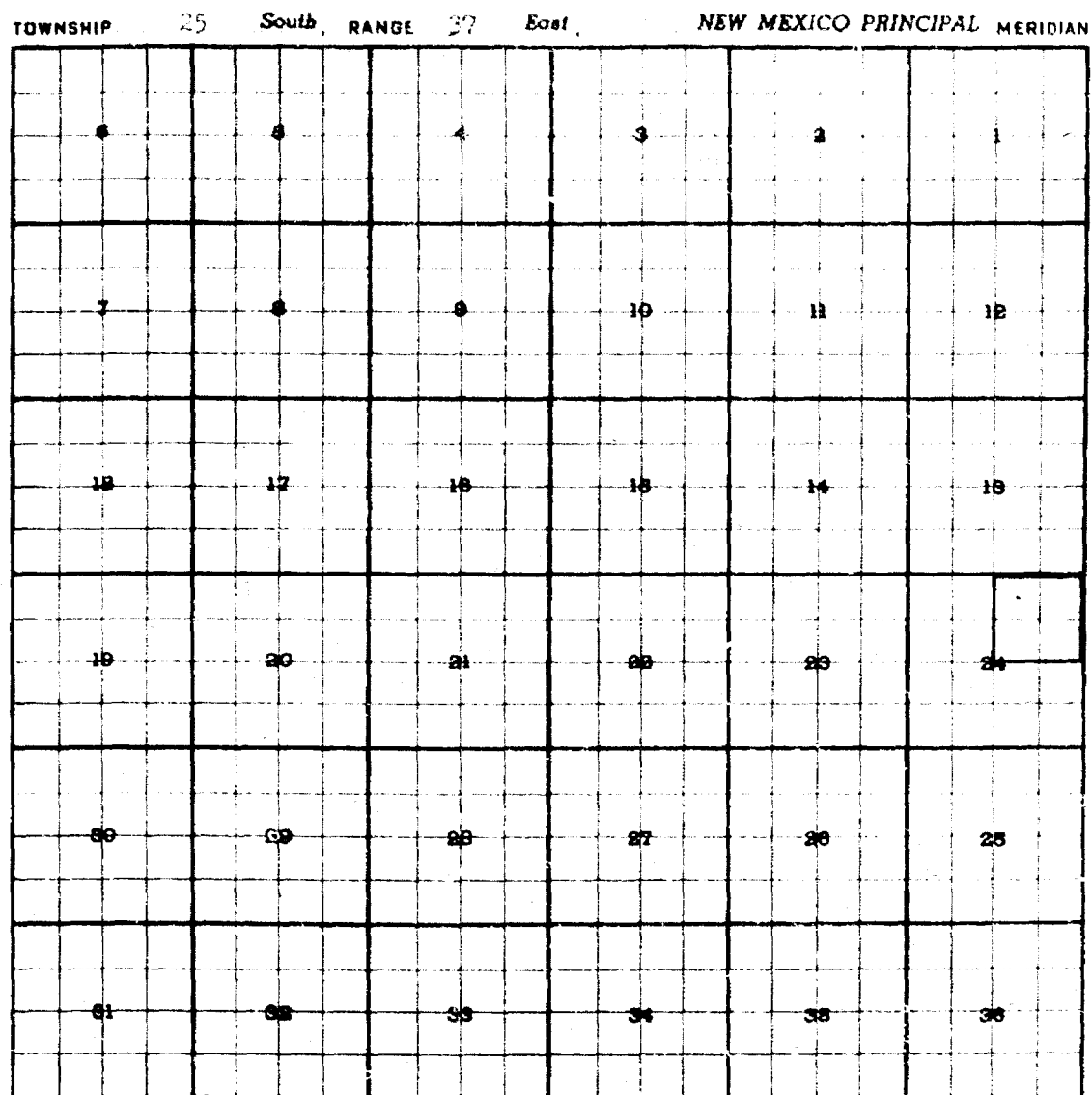
Proposed Pool Boundary colored in Red: NW/4 of Section 22

Case 1379: (b) Creation of a new pool

Disc. 1011: Edwards Oil Co. L. 4. Conts "0" & "1" in Unit F

Section 24-26-27-28 in Township 25N, Range 37E, T15N, R37E, S44

County Lincoln Pool Edwards Oil Co.



Proposed Pool Boundary colored in red: Sec 2 of Section 24

Case 1379: (a) Creation of a new pool

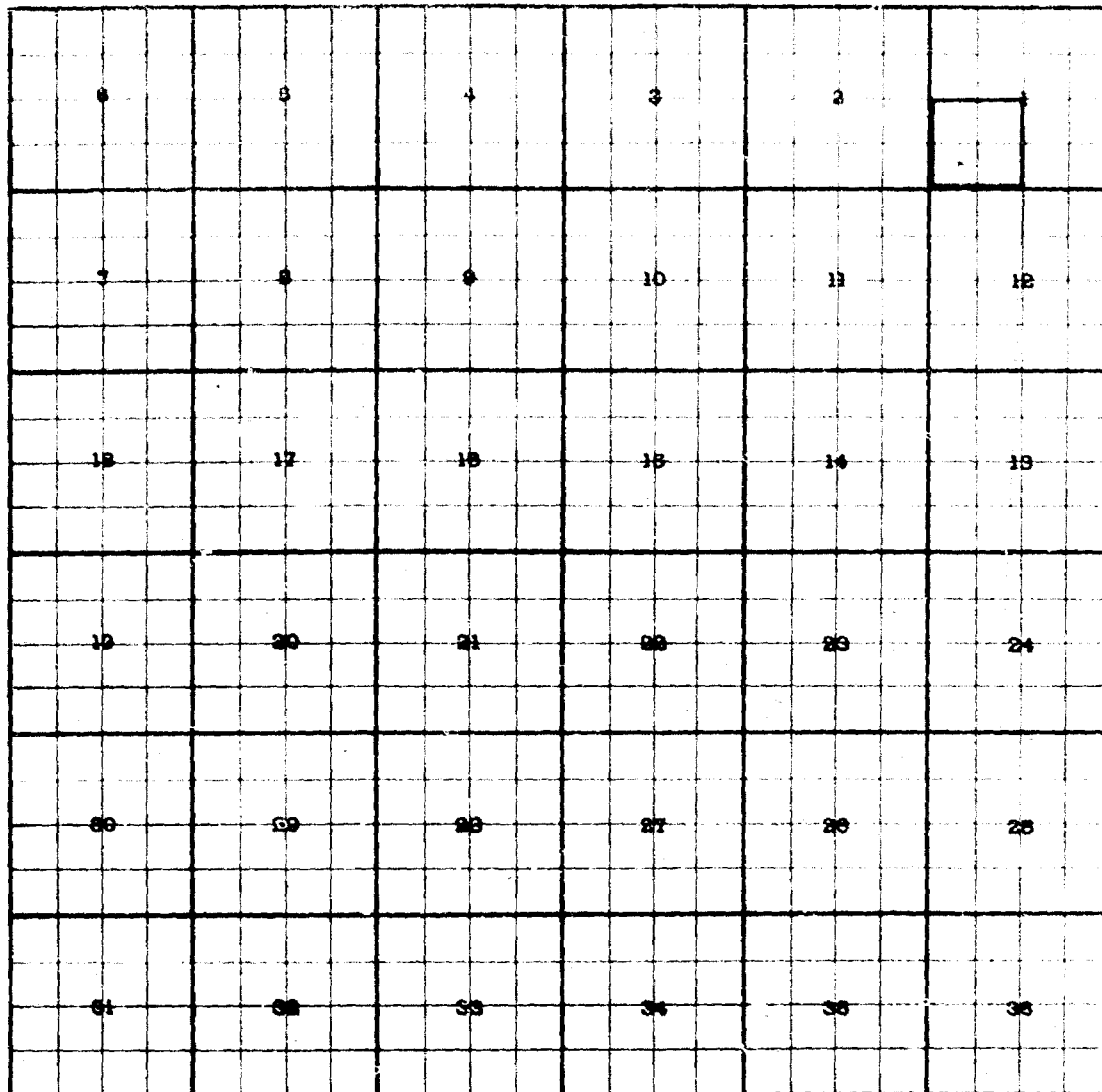
Disc. Well: Shelton Oil & Gas Co. Date Dec 14/0 11 to 11/11/17

Order 1-11-34, Dec. 11/13/37 (per perf. 13,115)

County Lincoln

Pool Shelton & Francis Sylvan

TOWNSHIP 11 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



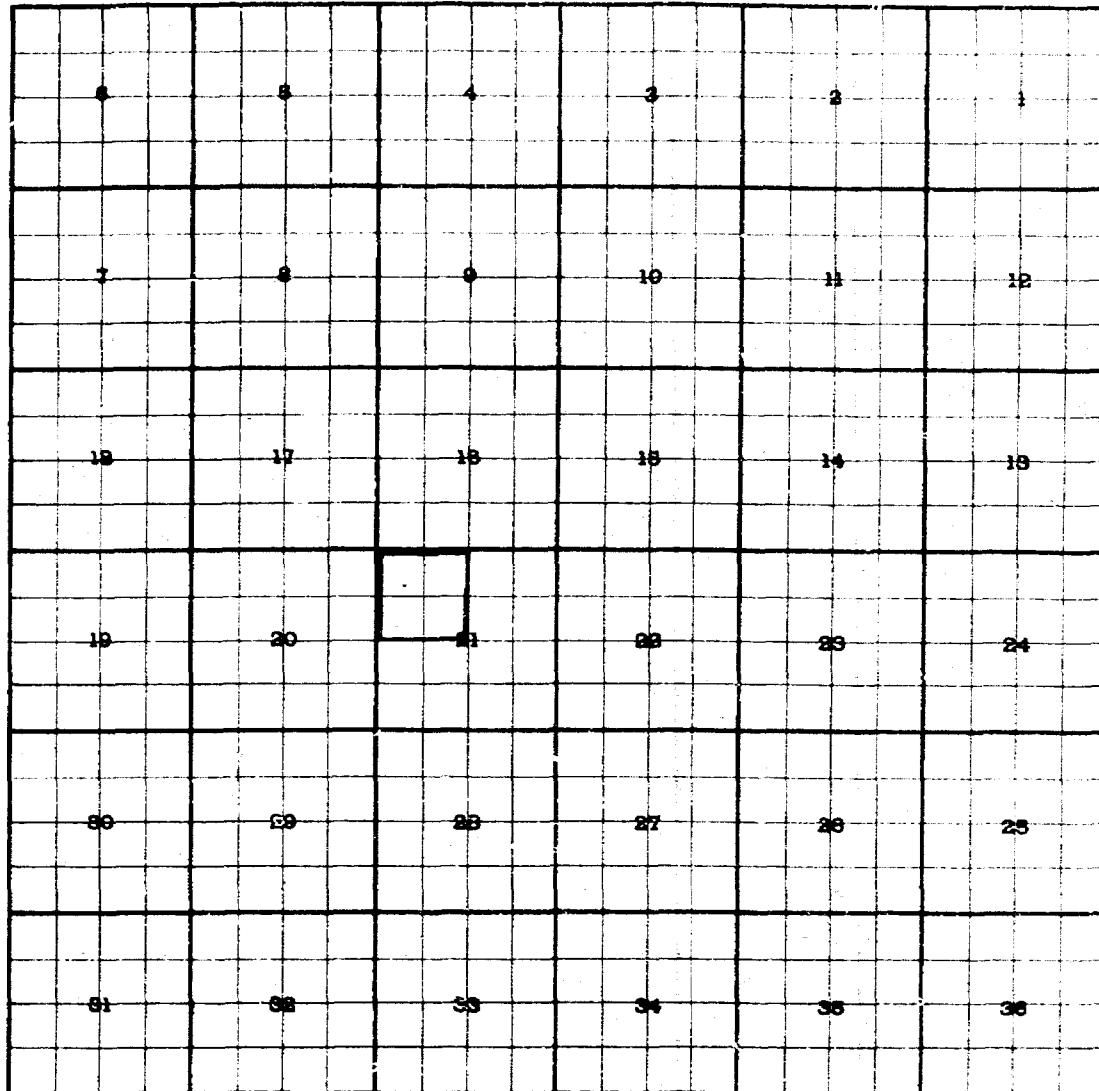
Proposed Pool Boundary Colored in Red: SE/4 of Section 1

Case 1379: (F) Creation of a new pool

Disc. Well: El Paso Natural Gas Co. Welch #2 in Unit D of Section 21-26-27
Comp. in Delaware 11/26/97 top perf. 2105

County DDY Pool WELCH-DELAWARE

TOWNSHIP 26 *South*, RANGE 27 *East*, NEW MEXICO PRINCIPAL MERIDIAN

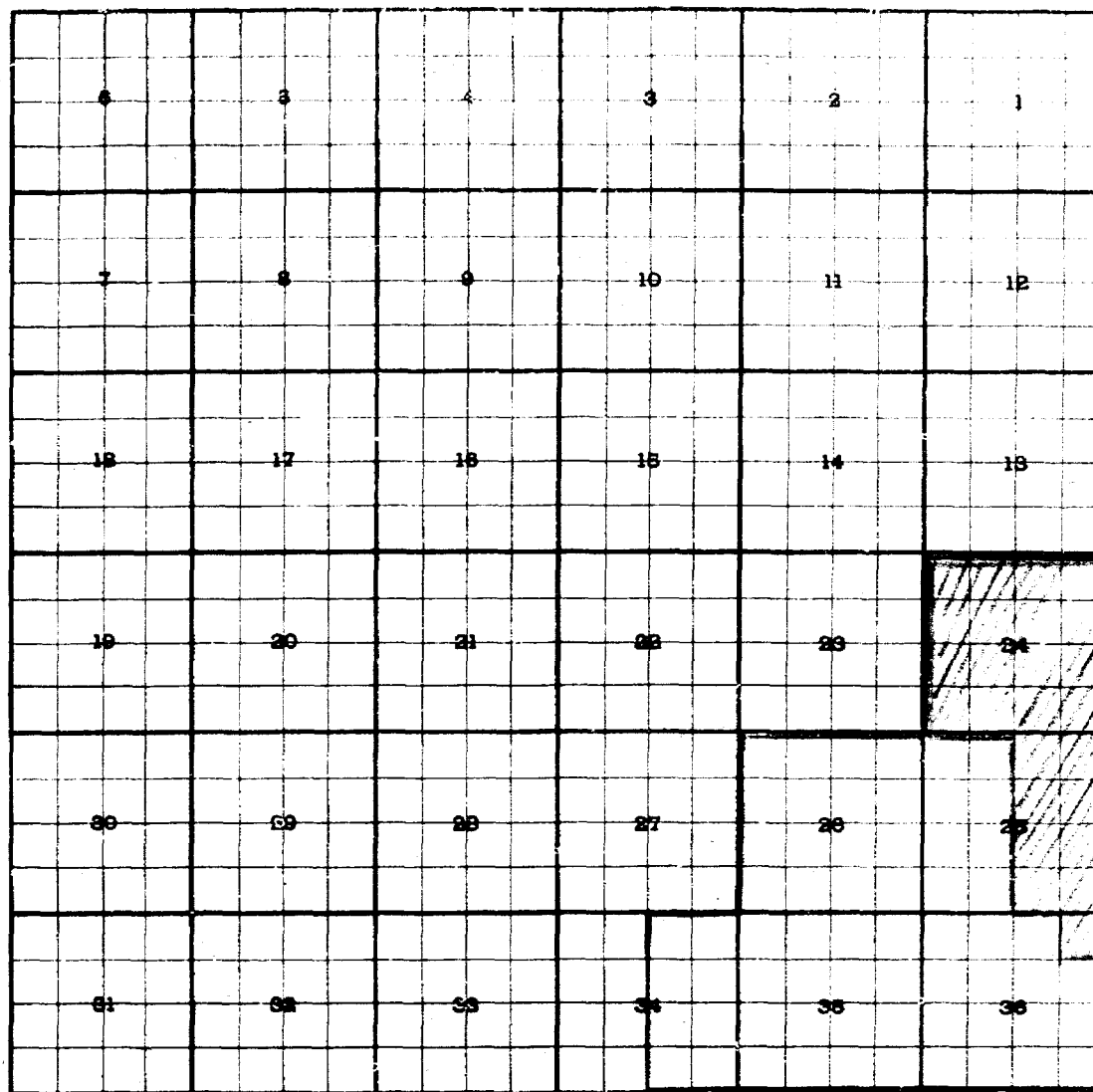


Proposed Pool Boundary Colored in Red: NW/4 of Section 21

Case 1379: (G) deletion of an existing pool

County LEA Pool ARROWHEAD

TOWNSHIP 21 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Portion deleted non-productive to Arrowhead Pool. Portion
deleted to be extended to Penrose Skelly

Pool Boundary Colored in Red

Proposed Deletion Colored in Green: All of Section 24

E/2 of Section 25

NE/4 NE/4 of Section 36

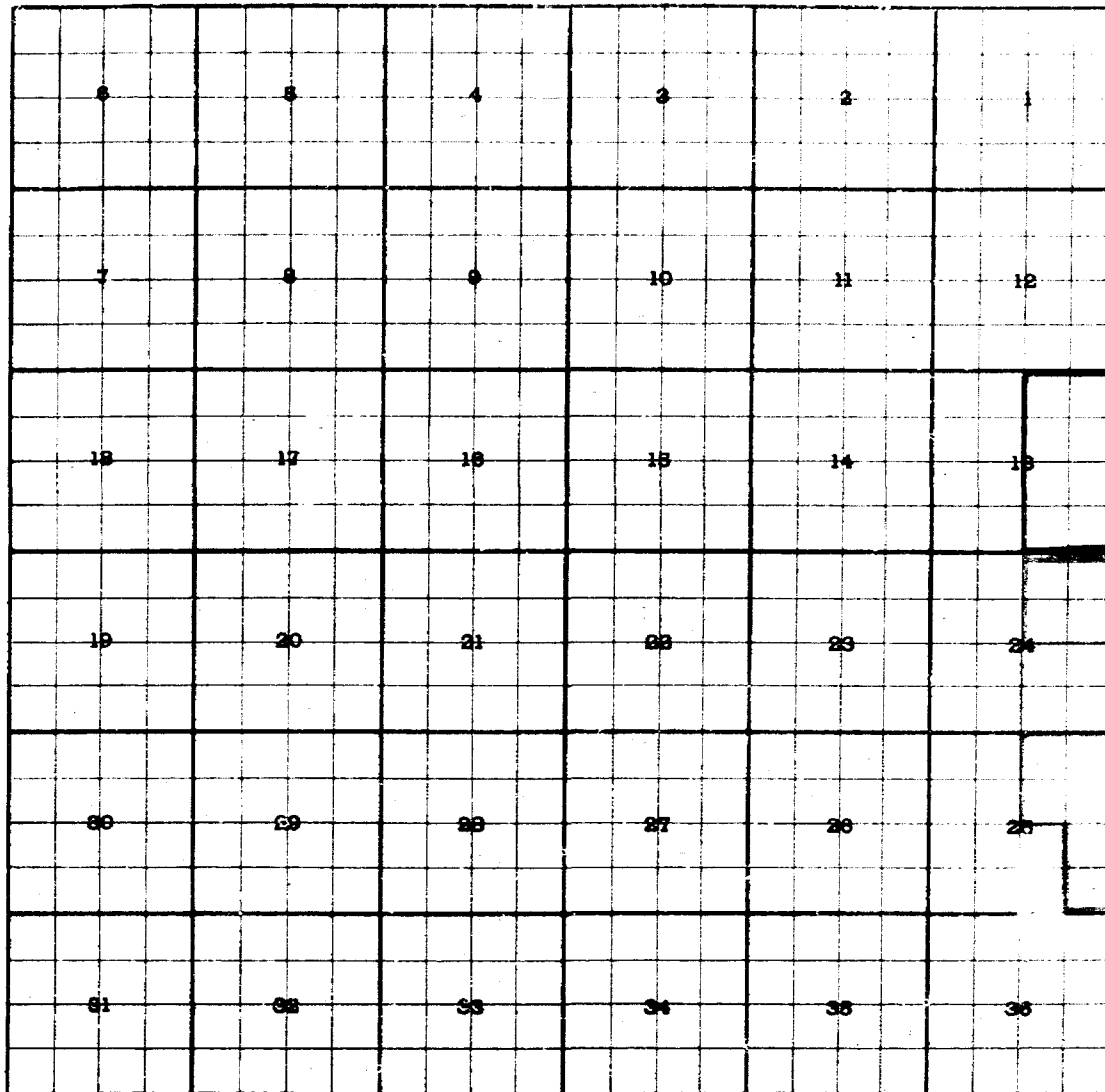
Case 1379: (1) Extension of an existing pool

PARTIAL UNADVERTISED

County LEA Pool PENSCOTT-KRILEY

0-5 Grayburg

TOWNSHIP 21 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool boundary for the inclusion of
A portion of the area deleted from the Arrowhead pool and also
for the inclusion of J. E. Moore Brownlee #1 in Unit M of Sec. 25-21-36
Comp in Grayburg.

Pool Boundary colored in Red

Proposed Extension Colored in Green: SE/4 of Section 24
SE/4 SE/4 of Section 25

UNADVERTISED: NE/4 of Section 24
NE/4 of Section 25
NE/4 SE/4 Section 25

CONFIDENTIAL

C-5 Grayburg

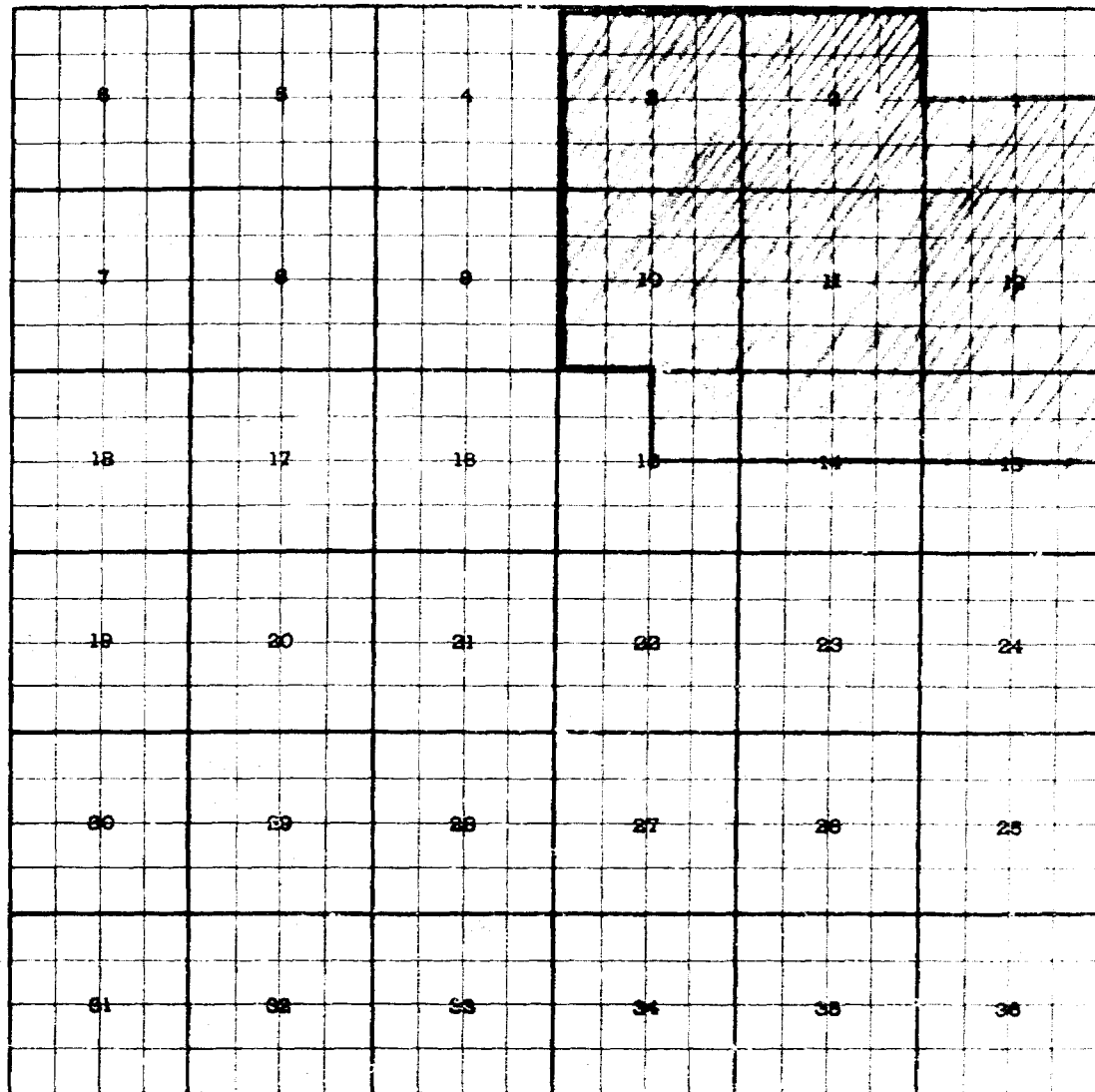
A 6x6 grid with numbers 1 through 36. The numbers are arranged in a 6x6 grid, with the first row containing 1-6, the second row 7-12, the third row 13-18, the fourth row 19-24, the fifth row 25-30, and the sixth row 31-36. A path of 12 cells is highlighted, starting at cell 1 and ending at cell 36. The path consists of the following cells: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36.

~~Ni/4 31/2 of section 30~~

Case 1379:(I) Abolishment of an existing pool

County EDDY Pool ANDERSON

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



Purpose: Contiguous Horizontal and vertical limits between the Lopera Lake and Anderson Pools.

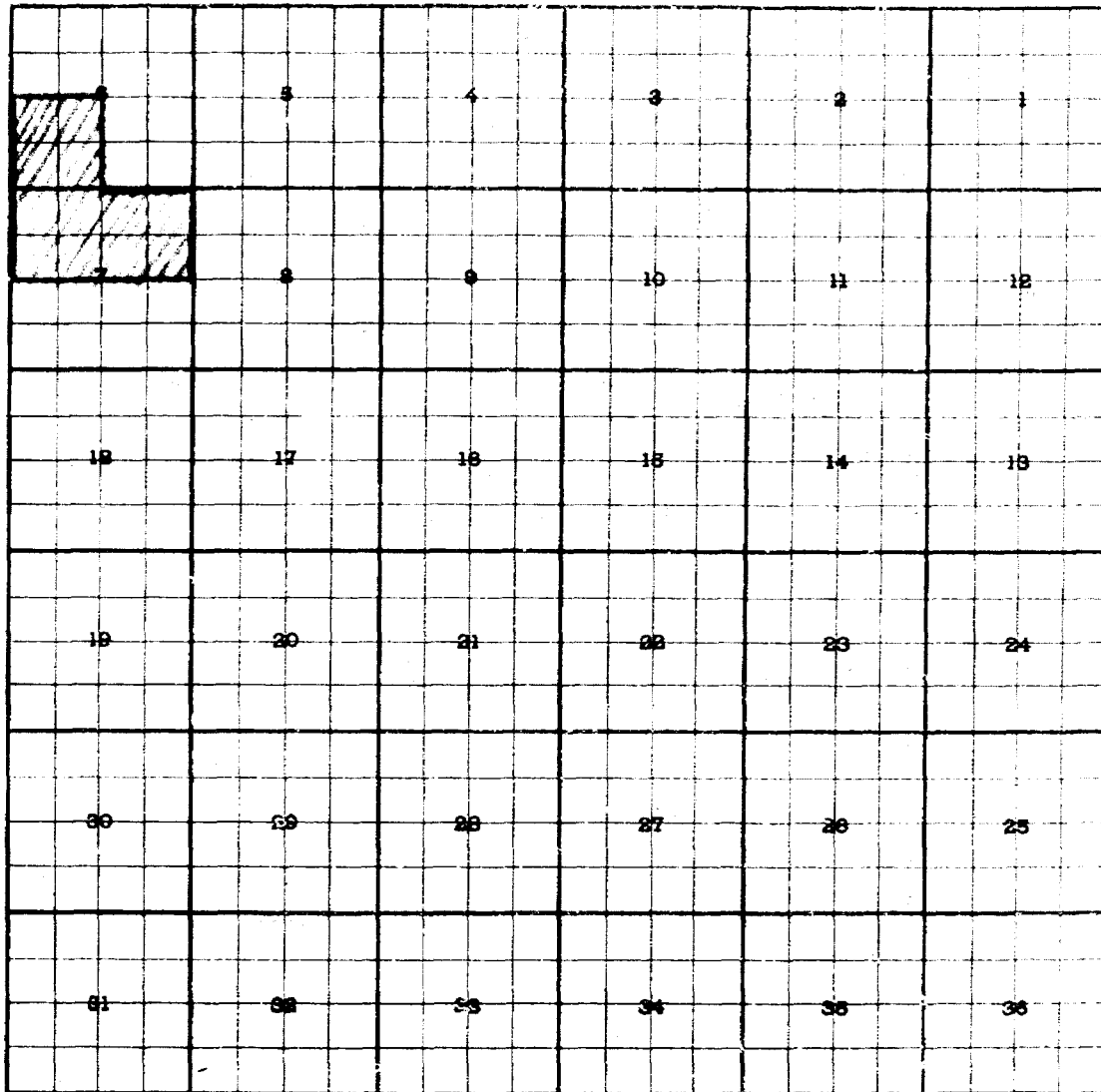
Pool boundary Colored in Red:

Proposed Abolishment Colored in Green: 1/2 of Section 1
All of Sections 2, 3, 10, 11, & 12
1/2 of Section 13
1/2 of Section 14
1/4 of Section 15

Case 1379: (1) Abolishment of an existing pool

County EDDY Pool ANDERSON

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



Purpose: Contiguous Horizontal and vertical limits between Square Lake
and Anderson Pools.

Pool Boundary Colored in Red

Proposed Abolishment Colored in Green: $\frac{3}{4}$ of Section 6

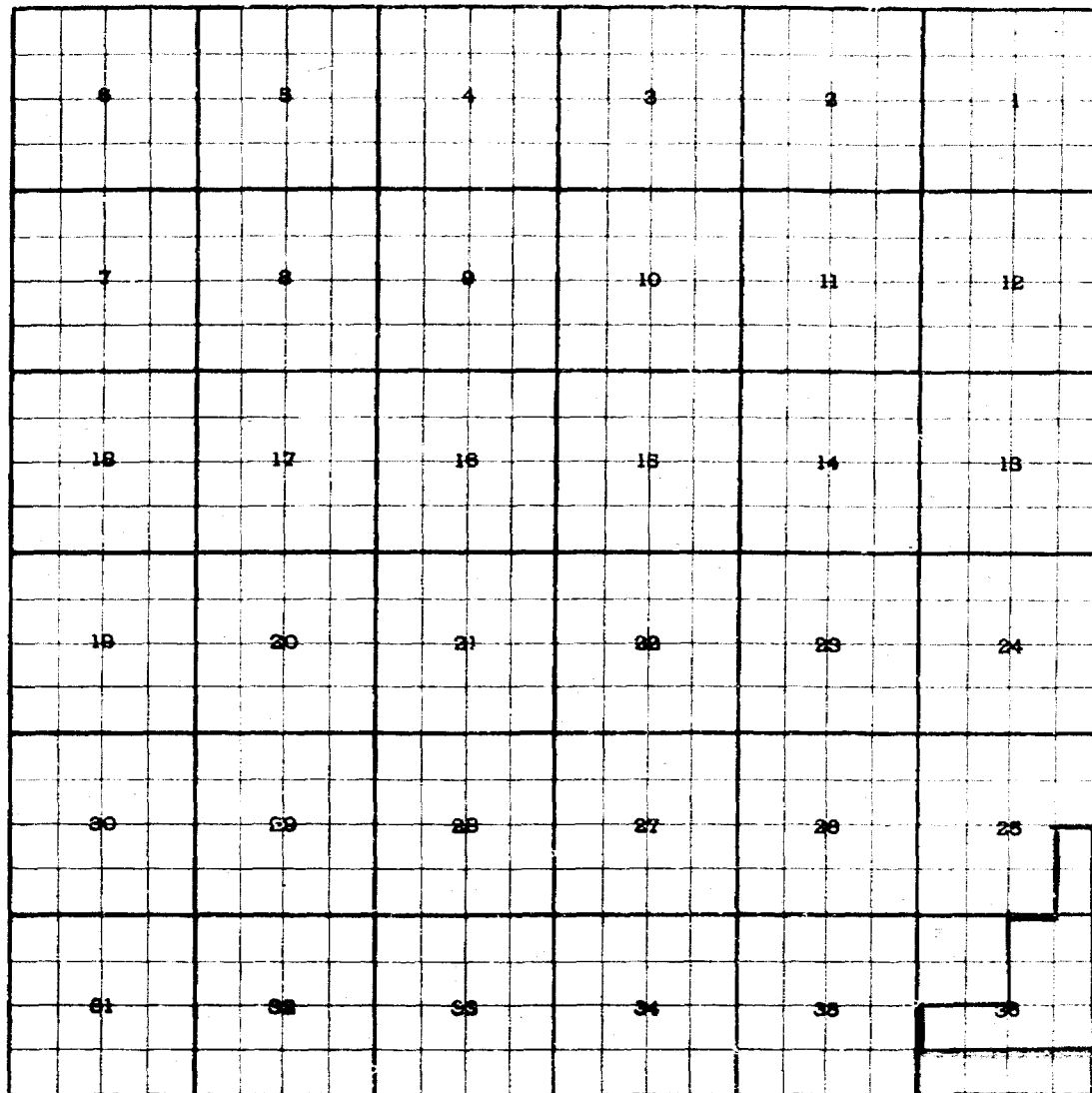
$\frac{1}{2}$ of Section 7

Case 1379: (J) Extension of an existing pool

County EDDY Pool Square Lake

C-5 Grayburg & San Andres

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



Purpose: Extend the Pool Boundary for the inclusion of

Neil E. Salsich Leonard State #2 in Unit N. of Section 36-16-29

Comp. in Grayburg 11/26/57 top perc. 2506

Pool Boundary Colored in Red

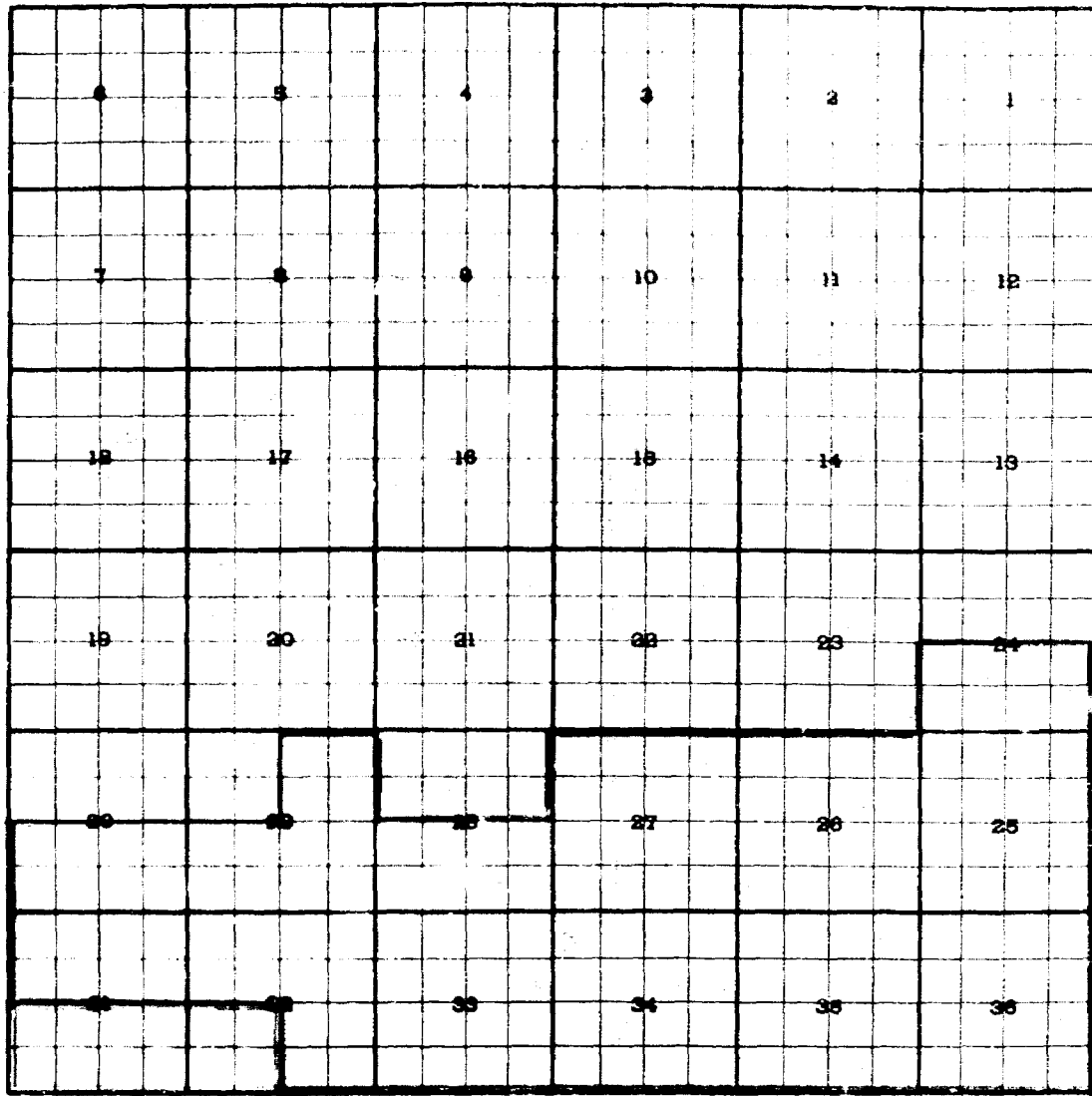
Proposed Extension Colored in Green: 6/2 1/2 of Section 36

Case 1379: (J) Extension of an existing pool

County INDIAN Pool 50000 LARI

C-5 Grayburg & San Andres

TOWNSHIP 16 South, RANGE 20 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extension is due to the completion of five wells and is also contiguous to Township 16 South, Range 29 East.

Leaf boundary Colored in Red

Reposed Extension Colored in Green: S/2 of Section 31
3/4 of Section 32

Case 1379: (J) Extension of an existing pool

County ROBY Pool STEEL LAKE

C-5 Grayburg & San Andres

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

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

Purpose: To include the area abolished from the Anderson Pool and also
for the inclusion of the following completed wells.

C. H. Bandal Federal Pool #1-1 in Unit F of Section 1-17-29 Comp. 12/30/57
in Premier. top perf 2535.

C. H. Bandal Federal Pool #1-2 in Unit E of Section 1-17-29 Comp in Premier
1/20/58. Top perf 2502

Neil L. Kalsich Featherstone Fed. #1 in Unit C of Section 1-17-29
Comp in Grayburg 12/9/57 top perf 2528

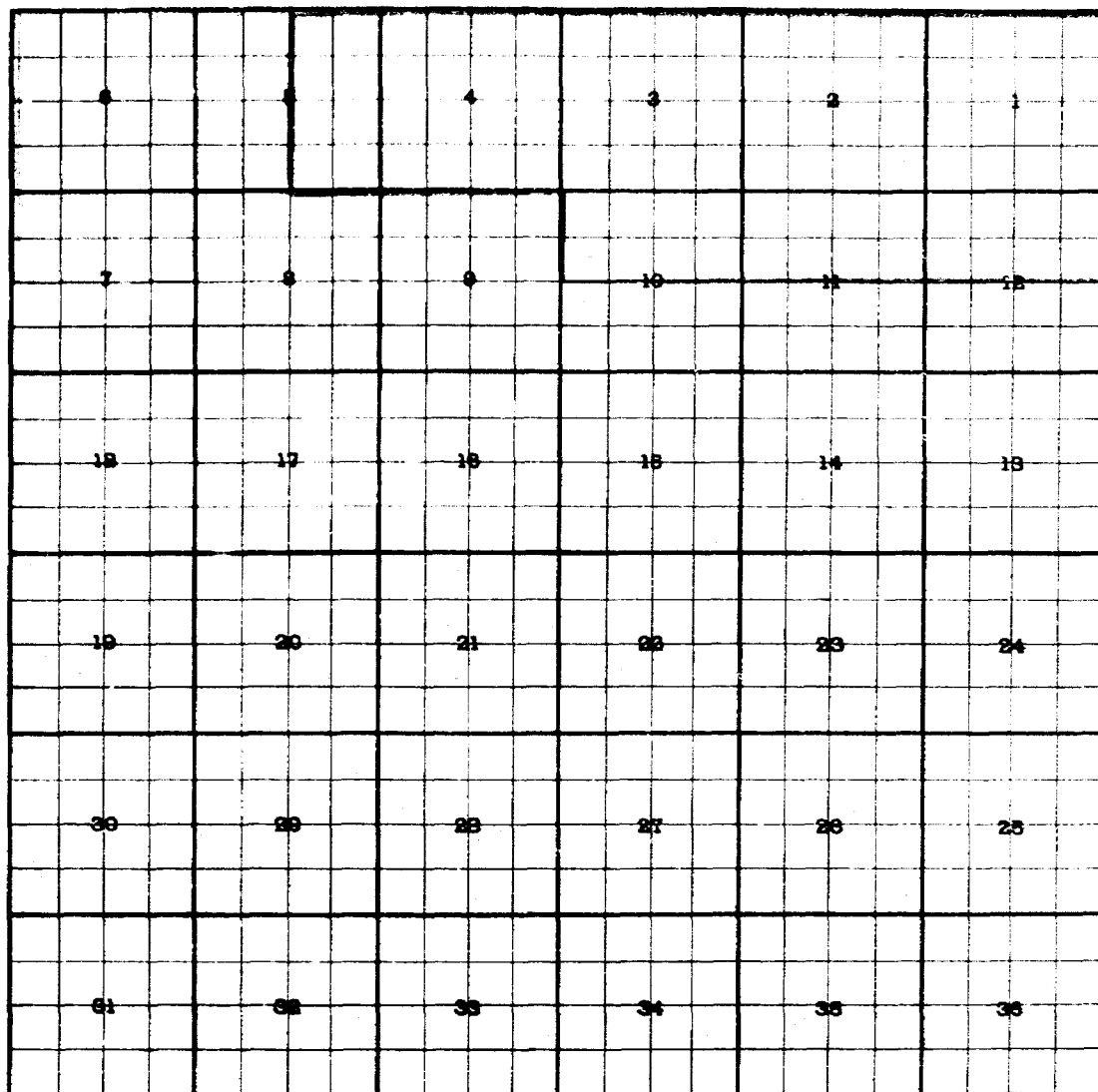
Proposed extension Colored in Green: All of Sections 1, 2, 3, 10, 11, & 12
1/2 of Section 13
1/2 of Section 14
1/4 of Section 15

Case 1379: (J) Extension of an existing pool

County ELDOY Pool SQUARE LAKE

C-5 Grayburn, San Andres

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



Purpose: Contiguous to Township 16 South, Range 29 East, and also to
include the area abolished in the Anderson Pool.

Pool boundary colored in Red

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

All of Section 6

N/2 of Section 7

Case 1379: (K) Extension of an existing pool

County

CHAVES

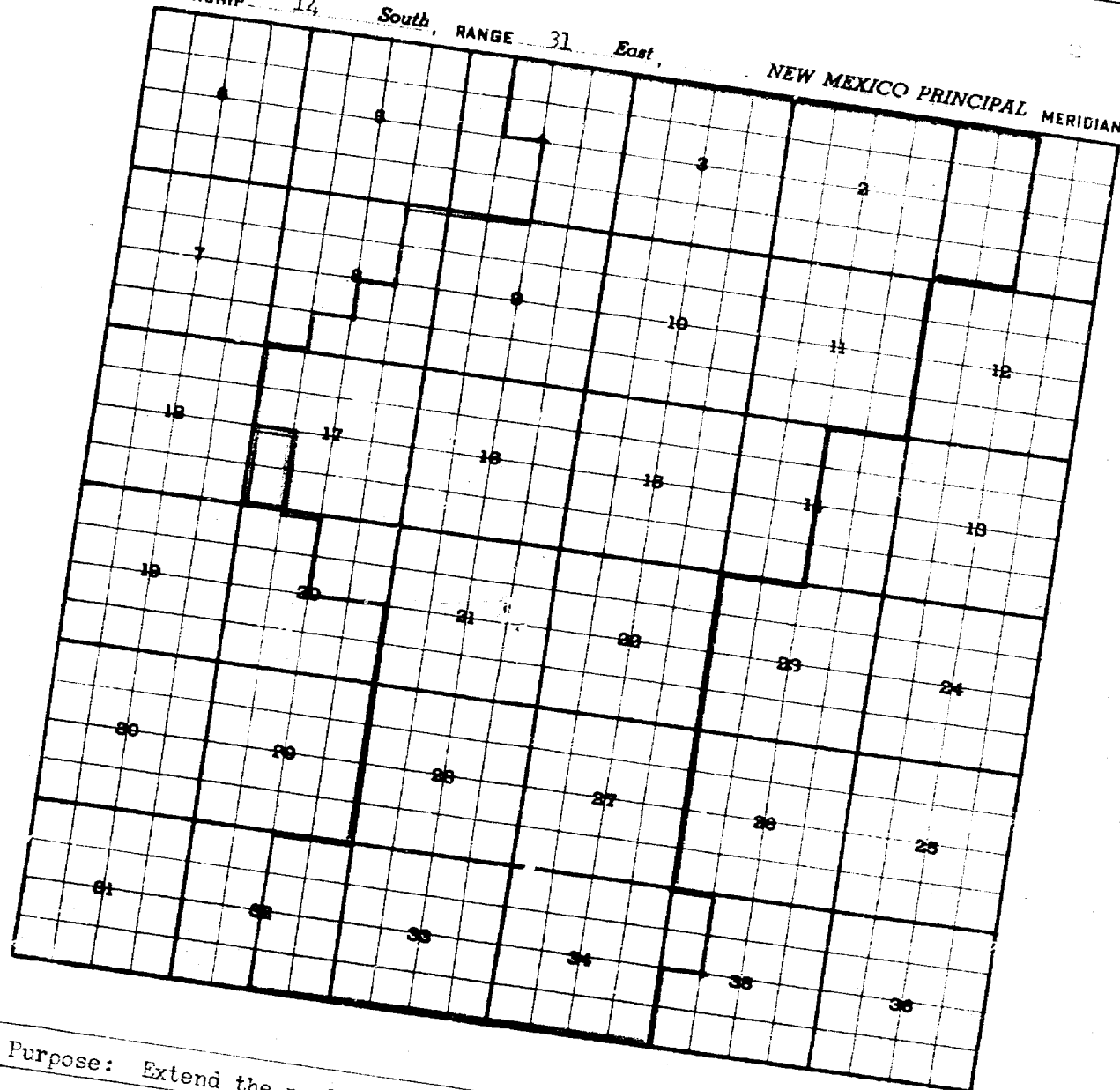
Pool CAPECOCK-QUEEN

0-5 Queen

TOWNSHIP 14

South, RANGE 31 East,

NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool boundary for the inclusion of

A. C. Holder & W. C. Ross Phillips Cleat Fed. #2 in Unit I of

Section 17-14-31 Comp in Queen 12/17/57
top perf. 2671

Pool Boundary Colored in Red

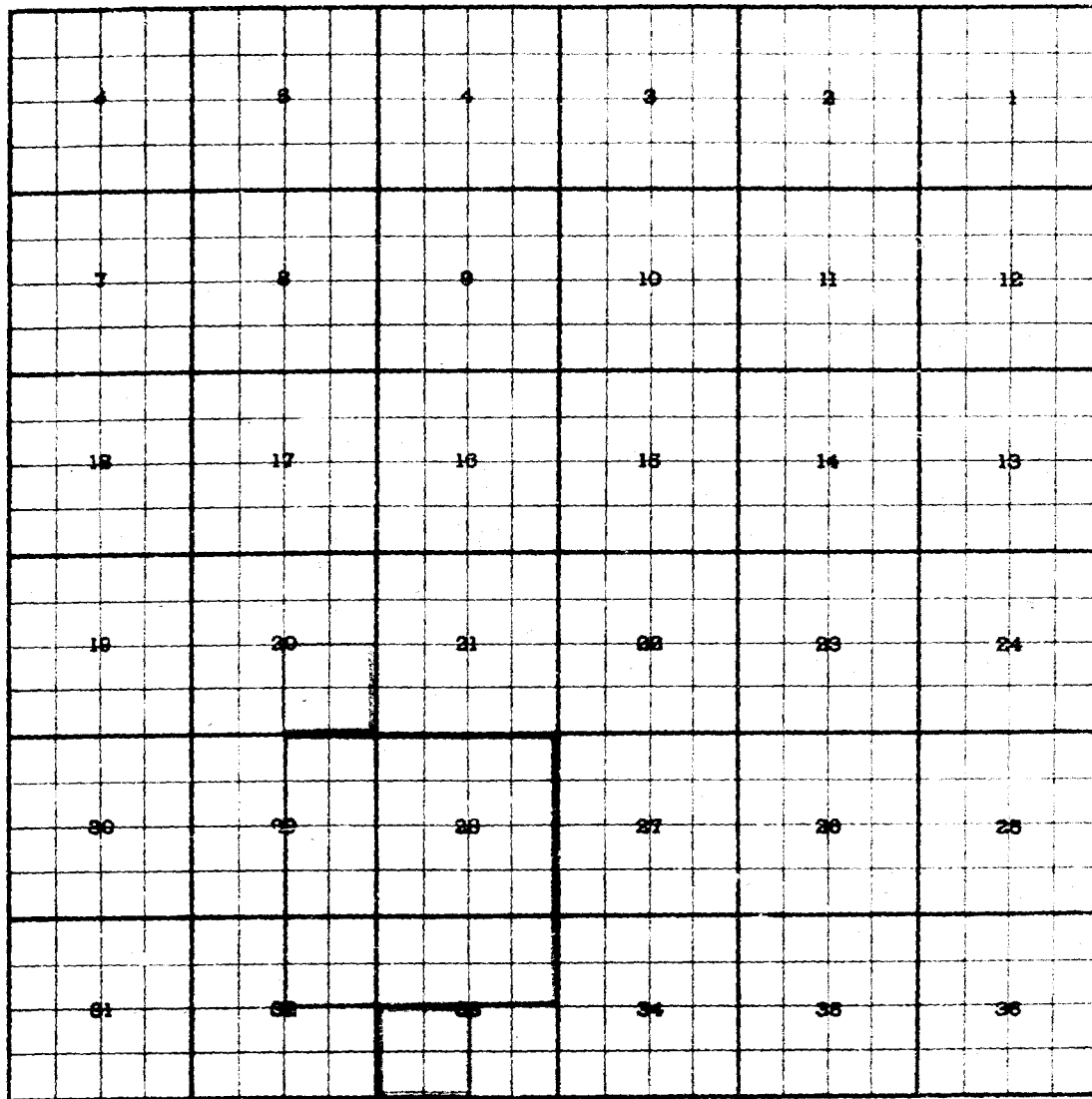
Proposed extension Colored in Green: W/2 SW/4 of Section 17

Case 1379: (L) Extension of an existing pool

PART THIS UNADVERTISED

County LEA Pool CROSBY DEVONIAN GAS

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



Purpose: Extend the pool boundary for the inclusion of

Sun Oil Company E. T. Lonsdale #3 in Unit F of Sec. 20-25-37
Comp in Devonian 8/14/57 top perf. 8782

UNADVERTISED El Paso Natural Gas Co. Gregory Federal #4 in Unit K
of Sec. 33-25-37. top perf 8316

Pool boundary colored in Red

Proposed Extension Colored in Green: SE/4 of Section 20

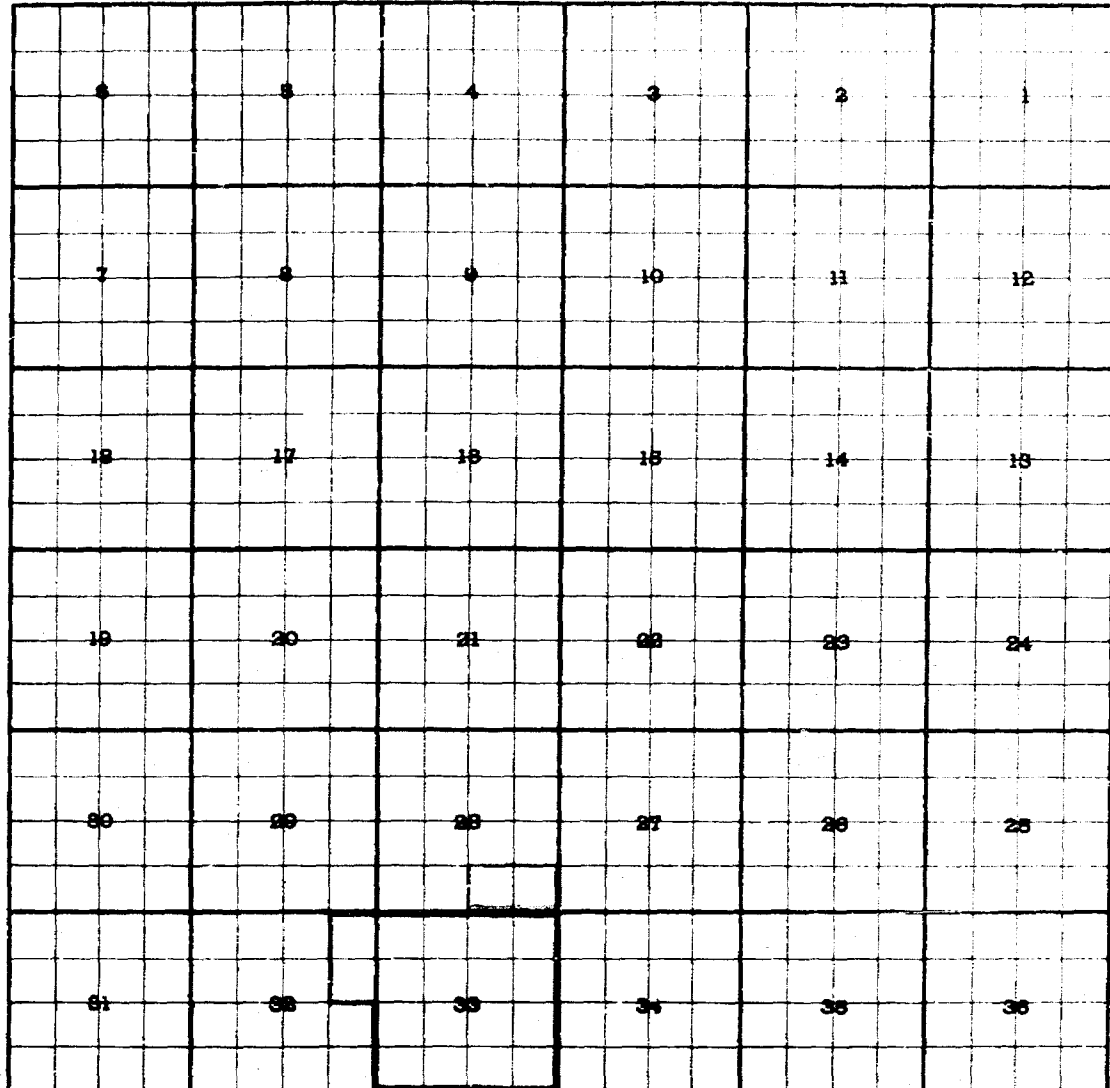
UNADVERTISED: SW/4 of Section 33

Case 1279: (N) Extension of an existing pool

County HDDY Pool BOB HIRMANO-YATES-SEVEN RIVERS

0-5 Yates & Seven Rivers

TOWNSHIP 20 South, RANGE 30 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool boundary for the inclusion of

John H. Trigg Federal "K" #3-28 in unit X of Sec. 28-20-30
Comp in Yates 1/2/57 top perf 1606

Pool boundary colored in Red

Proposed Extension Colored in Green: S/2 SE/4 of Section 28

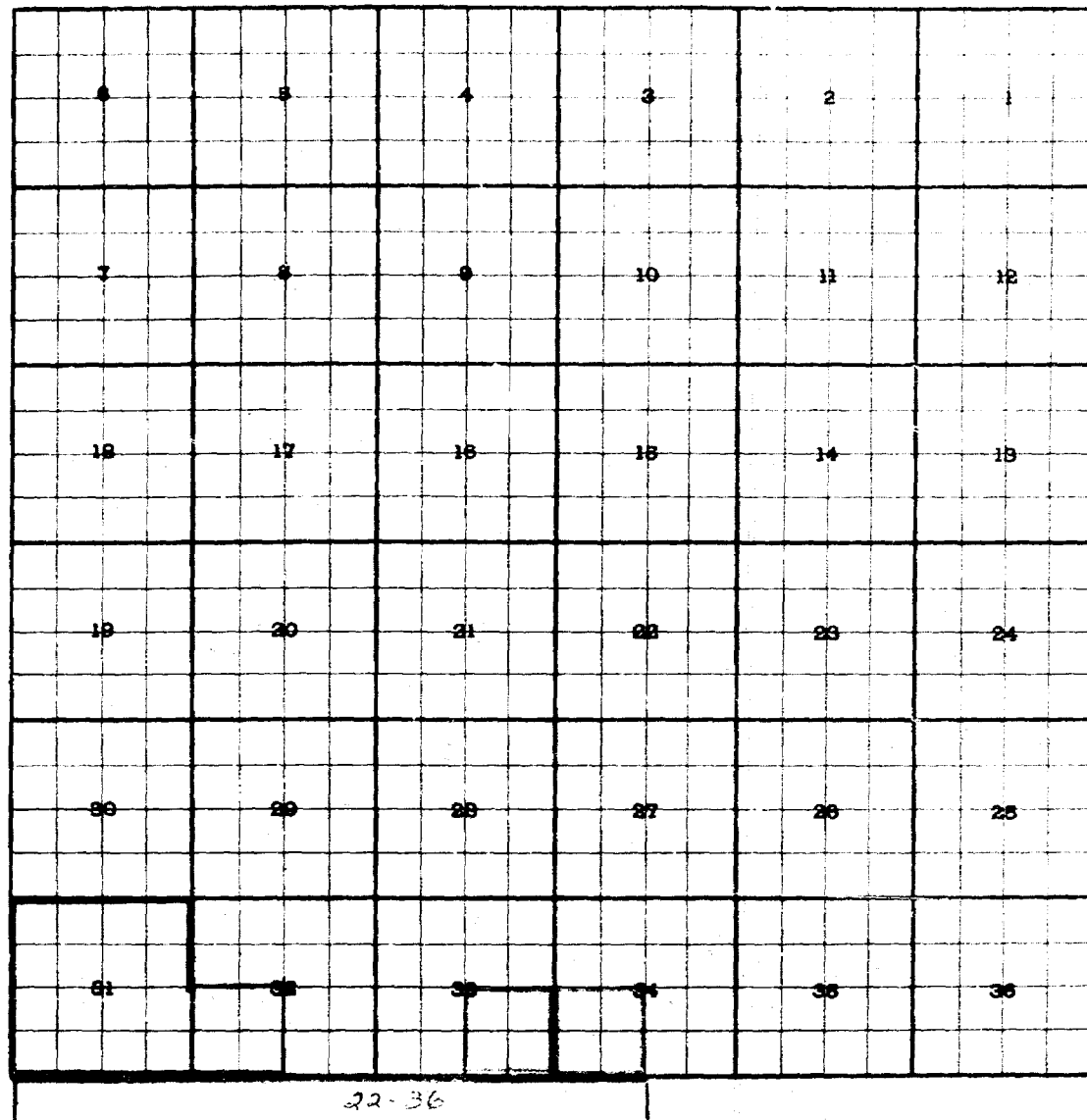
Case 1375: (N) Extension of an existing pool

NOT FOR UNADVERTISED

County Lea Pool SOUTH MUNICI

(C-5) Seven Rivers

TOWNSHIP 23 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool boundary for the inclusion of

Gulf Oil Corp. W. A. Pansay "A" #34 in Unit K of Sec. 34-21-36

Comp in Queen 11/1/57 top perf. 3753

Gulf Oil Corp. W. A. Pansay "A" #26 in Unit N of Sec. 34-21-36

Comp in Queen 1/1/58 top perf. 3750

UNADVERTISED Gulf Oil Corp. Arnett Pansay D #10 in Unit O of Sec. 33-21-36

Comp in Queen 1/1/58 top perf. 3764

Pool Boundary Colored in Red.

Proposed Extension colored in Green: SE/4 of Section 34

UNADVERTISED SE/4 of Section 33

Case 1379: (0) Extension of an existing pool

County Lea Pool FOUR LAKES UNIT

12-13 Devonian

TOWNSHIP 11 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN

	6		8		4		3		2		1
	7		9		10		11		12		
	13		17		16		15		14		13
	19		20		21		22		23		24
	29		30		33		27		26		25
	31		32		35		34		36		38

12-34

Purpose: Contiguous to Township 12 South, Range 34 East, and for the inclusion of-

Humble Oil & Refg. Co., South Four Lakes Unit #1 in Unit C of Sec. 35-11-34
Comp in Devonian 2/15/57 top perf 12,857

Pool boundary colored in Red

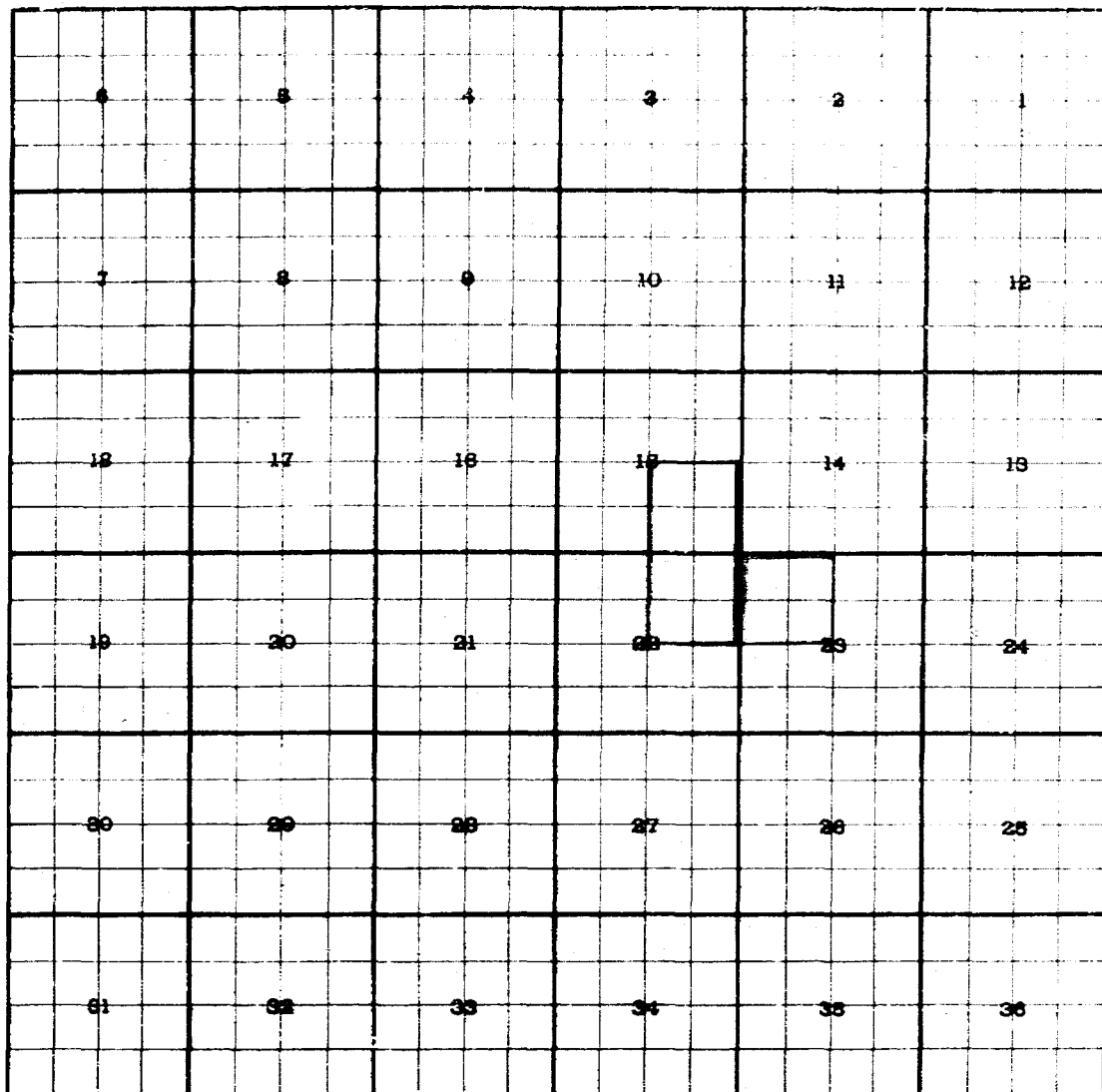
Proposed extension colored in Green: SE/4 of Section 35

Order 1377: (1) Extension of an existing pool

County YADEY Pool WELCH #2-23

C-5 Yates

TOWNSHIP 19 South, RANGE 21 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool boundary for the inclusion of-

Three States Natural Gas Co. Angle & Welch #2-23 in Unit F of
Sec. 23-19-31 Comp in Yates 11/5/57
top perf. 2417

Pool Boundary Colored in Red

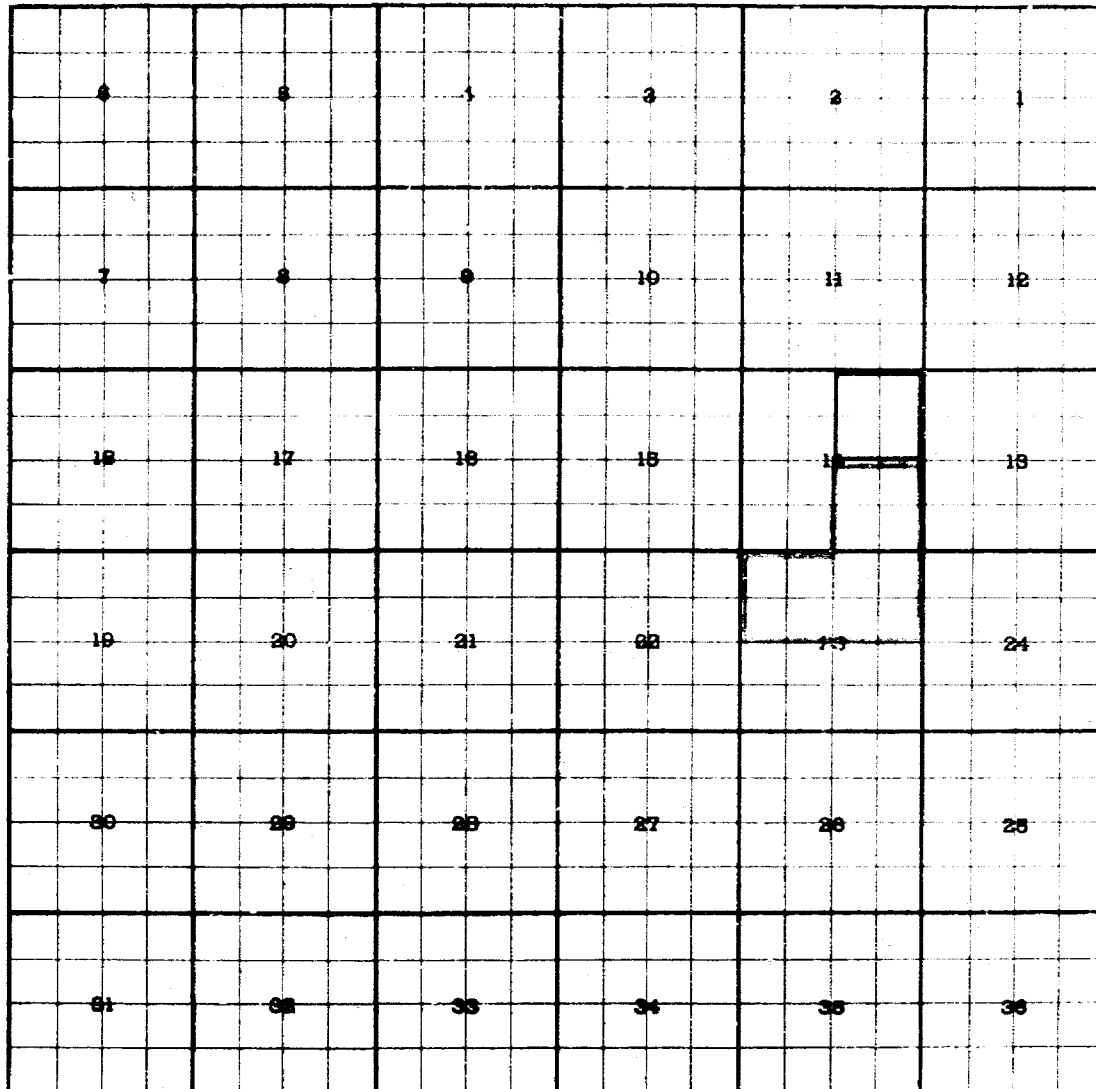
Proposed Extension Colored in Green: NW/4 of Section 23

Case 1379: (C) Extension of an existing pool.

County LEA Pool LEA PENNSYLVANIAN

10-11 Pennsylvanian

TOWNSHIP 18 South, RANGE 25 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool boundary for the inclusion of-

John H. Trigg, Federal J. Lea #1-14 in Unit I of Sec. 14-18-35
Comp in Pennsylvanian 12/2/57 top perf. 10,906

G. W. Trainer Reeves #1 in Unit F of Sec. 23-12-35 Comp in Penn-
sylvanian 9/7/57 top perf. 10,096

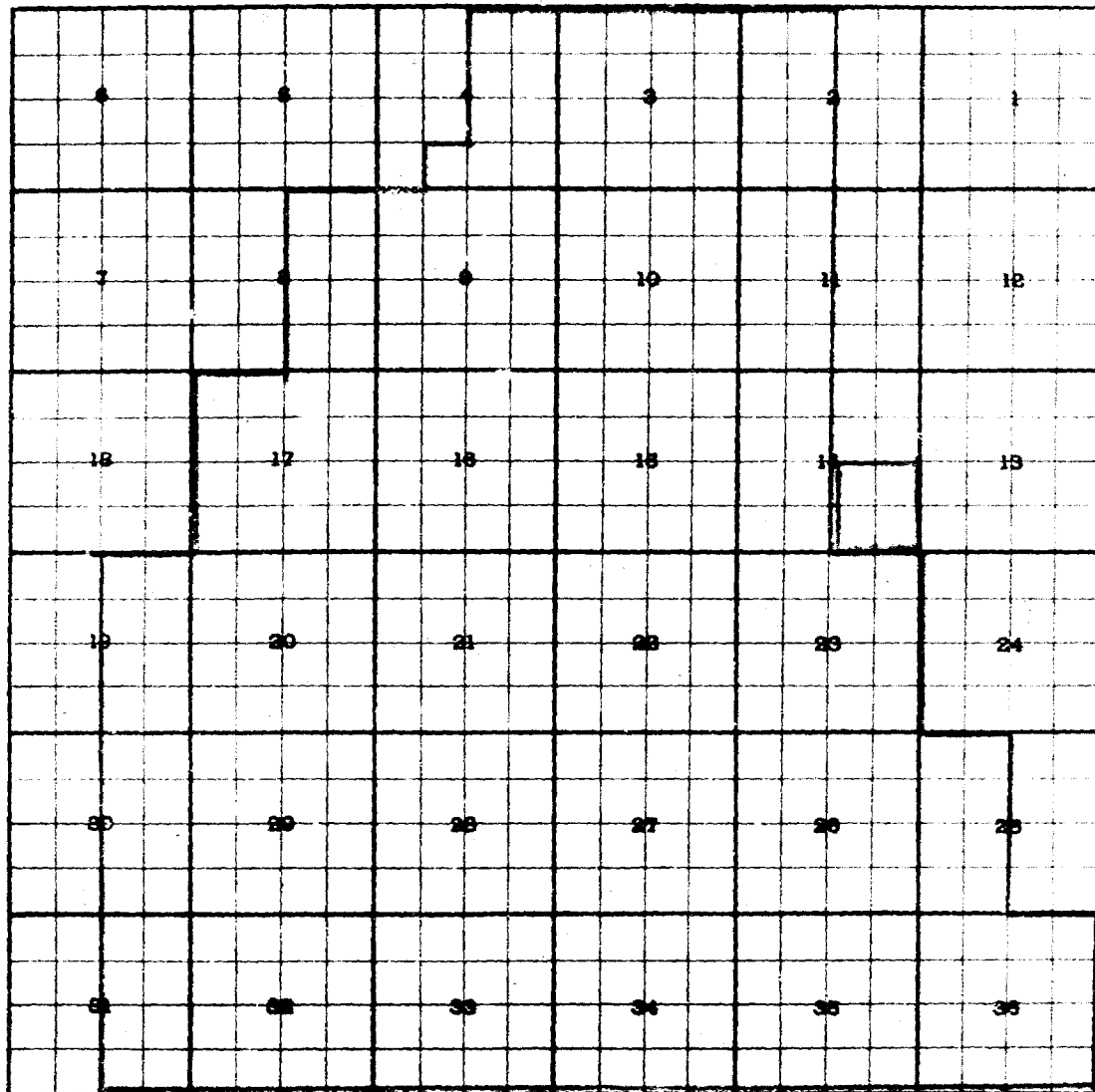
Pool Boundary Colored in Red

Proposed Extension Colored in Green: N/4 of Section 14
N/2 of Section 23

Case 1377: (S) Extension of an existing pool

County LEA Pool TUBB GAS

TOWNSHIP 21 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: Extend the pool boundary for the inclusion of-

Gulf Oil Corp. Naomi Keenum 1/2 in Unit C of Sec. 14-21-37

Comp in Tubb 11/20/57 top perf 6110

Pool Boundary Colored in Red

Proposed Extension Colored in Green: SE 1/4 of Section 14

1-24

SF
Hobbs
Arteria
Roosevelt
Portals

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

(a) ⁸³⁵ Create a new pool in Lea County, New Mexico, classified as an ~~oil~~ pool for Mississippian production, designated as the Austin-Mississippian Pool, and described as:

Twp. 14 South, Range 36 East
SW/4 of Section 17

~~and such other, etc.~~

(b) Create a new pool in Eddy County, New Mexico, classified as an oil pool for Abo production, designated as the Empire-Abo Pool, and described as:

Twp. 18 South, Range 27 East
NW/4 of Section 11

~~and such other, etc.~~

(c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Grayburg-Atoka Gas Pool, and described as:

Twp. 17 South, Range 29 East
NW/4 of Section 22

~~and such other, etc.~~

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

Twp. 25 South, Range 37 East
NE/4 of Section 24

~~and such other, etc.~~

(e) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the Sand Springs-Devonian Pool, and described as:

Twp. 11 South, Range 34 East
SW/4 of Section 1

~~and such other, etc.~~

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

Twp. 26 South, Range 27 East
NW/4 of Section 21

~~and such other, etc.~~

(g) Delete Portions of the Arrowhead Pool in Lea County, New Mexico, described as:

Twp. 21 South, Range 36 East
All of Section 24
E/2 of Section 25
NE/4 NE/4 of Section 26

~~and such other, etc.~~

(h) Abolish the Anderson Pool in Eddy County, New Mexico, described as:

Twp. 17 South, Range 29 East
S/2 of Section 1
All of Sections 2, 3, 10, 11, & 12
N/2 of Section 13
N/2 of Section 14
NE/4 of Section 15

Twp. 17 South, Range 30 East
SE/4 of Section 6
N/2 of Section 7

~~and such other, etc.~~

(i) Extend the Caprock Queen Pool boundary in Chaves County, New Mexico, to include therein:

Twp. 14 South, Range 31 East
W/2 SE/4 of Section 17

~~and such other, etc.~~

(j) Extend the Crosby Devonian Gas Pool boundary in Lea County, New Mexico, to include therein:

Twp. 25 South, Range 37 East
SE/4 of Section 20

~~and such other, etc.~~

(k) Extend the Dos Hermanos Pool boundary in Eddy County, New Mexico, to include therein:

Twp. 20 South, Range 30 East
S/2 SE/4 of Section 28

~~and such other, etc.~~

(l) Extend the South Lucize Pool boundary in Lea County, New Mexico, to include therein:

Twp. 21 South, Range 36 East
SW/4 of Section 34

~~and such other, etc.~~

(m) Extend the Four Lakes Devonian Pool boundary in Lea County, New Mexico, to include therein:

Twp. 11 South, Range 34 East
SE/4 of Section 35

~~and such other, etc.~~

~~(n) Extend the West Henshaw Grayburg Pool boundary in Eddy County, New Mexico, to include therein:~~

Twp. 16 South, Range 30 East
W/2 SW/4 of Section 3

~~and such other, etc.~~

(o) Extend the West Lusk Pool boundary in Eddy County, New Mexico, to include therein:

Twp. 19 South, Range 31 East
NW/4 of Section 23

~~and such other, etc.~~

(p) Extend the Milpesand-Pennsylvanian Pool boundary in Roosevelt County, New Mexico, to include therein:

Twp. 8 South, Range 34 East
S/2 NE/4 of Section 24

~~and such other, etc.~~

(q) Extend the Penrose Skelly Pool boundary in Lea County, New Mexico, to include therein:

Twp. 21 South, Range 36 East
SE/4 of Section 24
SE/4 SE/4 of Section 25

Twp. 21 South, Range 37 East
SW/4 of Section 19
SW/4 SW/4 of Section 30

~~and such other, etc.~~

(r) Extend the Reeves Pennsylvanian Pool boundary in Lea County, New Mexico, to include therein:

Twp. 18 South, Range 35 East
SE/4 of Section 14
N/2 of Section 23

~~and such other, etc.~~

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

Twp. 16 South, Range 29 East
S/2 S/2 of Section 36

Twp. 16 South, Range 30 East
S/2 of Section 31
SW/4 of Section 32

Twp. 17 South, Range 29 East
All of Sections 1, 2, 3, 10, 11, & 12
N/2 of Section 13
N/2 of Section 14
NE/4 of Section 15

Twp. 17 South, Range 30 East
W/2 of Section 5
All of Section 6
N/2 of Section 7

~~and such other, etc.~~

(t) Extend the Townsend Wellcamp Pool boundary in Lea County, New Mexico, to include therein:

Twp. 16 South, Range 36 East
Lots 9, 10, 11, 14, 15, 16

~~and such other, etc.~~

(u) Extend the Toll Gas Icol boundary in New County, New Mexico, to include therein:

Twp. 21 South, range 37 East
SE/4 of Section 14

~~and such other, etc.~~

Providing further -