

CASE No.

4848

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Application,

Transcripts,

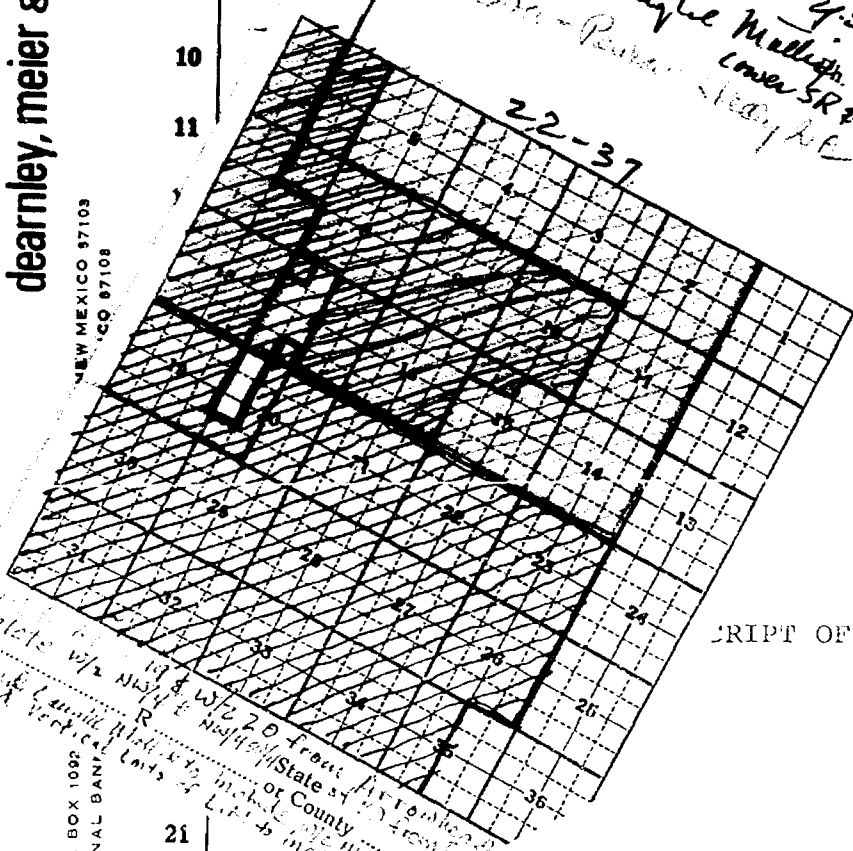
Small Exhibits

ETC.

EXAMINER HEARING

Case No. 4848

IN THE Y Name  
Southern Address  
Remarks: Blue = ... an ...  
Green = ...  
Brown = ...  
22-3



## SCRIPT OF HEARING

209 SIMMS BLDG. • P.O. BOX 1092

1216 FIRST NATIONAL BANK

dearnley, meier & mc cormick report

209 SIMMS BLDG., P.O. BOX 1092, PHONE 243-6691, ALBUQUERQUE, NEW MEXICO 87103  
1216 FIRST NATIONAL BANK BLDG. EAST, ALBUQUERQUE, NEW MEXICO 87108

MR. STAMETS: Case 4848.

MR. HATCH: Case 4848: Southeastern New Mexico nomenclature case calling for an order for the creation, contraction and extension of certain pools in Lea County, New Mexico.

DANIEL NUTTER,

was called as a witness, and after being duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. HATCH:

Q Would you state your name and position, please?

A Dan Nutter, chief engineer for the Oil Conservation Commission.

Q Are you prepared to make recommendations to the Examiner concerning the creation, contraction and extension of certain pools in Lea County, New Mexico?

A Yes, I am.

Q Are your recommendations prepared in the form of an exhibit?

A Yes, Oil Conservation Commission Staff Exhibit Number One in Case 4848.

Q Paragraphs A through Q?

A Yes.

Q Would you please refer to Exhibit One and Paragraphs A through Q and point out any difference between it and

1 the docket that has been distributed, and point out  
2 the corrections that have to be made?

3 A The creation and description in Paragraphs A, B, and C,  
4 I would recommend they be the same as on the docket.

5 Also, the contraction of the Arrowhead-Grayburg Pool and  
6 the Eumont Pool in Paragraph D, and it would be as shown  
7 on the docket. Also, the extension of the vertical  
8 limits of the Langlie Mattix Pool and certain extension  
9 of the horizontal limits of the pool in Paragraph F.

10 Paragraphs G, H, I, and J are as shown, with the  
11 exception that J has an addition, that being the Southeast  
12 quarter of Section 30, Township 9 South, Range 36 East.

13 Paragraph L, M, N, and O are as shown on the  
14 exhibit-- on the docket.

15 Paragraph P is as shown on the docket, with the  
16 following additions. In Township 17 South, Range 34  
17 East, add the Southwest quarter of Section 3 to the  
18 North Vacuum-Abo Pool. In Township 16 South, Range 35  
19 East, add the Northeast quarter of Section 31 to that  
20 pool.

21 In Paragraph Q, the information is as shown on the  
22 docket, with the following addition: in Township 9 South,  
23 Range 33 East, add the Southeast quarter of Section 21  
24 to the Vada-Pennsylvanian Pool.

25 Q Mr. Jutter, did you skip Paragraph K, or did I fail to

1 hear you?

2 A Paragraph K is as shown on the docket.

3 Q Do you have anything further?

4 A No, I haven't.

5 Q Do you recommend then that the pools in Paragraphs A  
6 through Q be created, contracted and extended as you  
7 have pointed out with the corrections here today?

8 A Yes, sir.

9 Q Was Exhibit One prepared by you or some member of the  
10 Commission staff?

11 A Yes, sir.

12 MR. HATCH: I would like to move for the introduction  
13 of Exhibit One.

14 MR. STAMETS: Without objection, Exhibit One will  
15 be admitted into evidence.)

16 (Whereupon Commission Exhibit One was admitted in  
17 evidence.)

18 MR. STAMETS: Any questions of the witness?

19 (No response)

20 MR. STAMETS: You may be excused.

21 (Witness excused.)

22 MR. STAMETS: Any statements?

23 (No response)

24 MR. STAMETS: The case will be taken under  
25 advisement.

600 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6601 • ALBUQUERQUE, NEW MEXICO 87103  
1216 FIRST NATIONAL BANK BLDG. EAST • ALBUQUERQUE, NEW MEXICO 87108

2 COUNTY OF BERNALILLO }

SS

4 I, RICHARD E. McCORMICK, a Certified Shorthand  
5 Reporter, in and for the County of Bernalillo, State of New  
6 Mexico, do hereby certify that the foregoing and attached  
7 Transcript of Hearing before the New Mexico Oil Conservation  
8 Commission was reported by me; and that the same is a true  
9 and correct record of the said proceedings to the best of  
10 my knowledge, skill and ability.

Richard E. McCormick  
CERTIFIED SHORTHAND REPORTER

|    |                                 |                 |                 |                |
|----|---------------------------------|-----------------|-----------------|----------------|
| 1  | <u>I N D E X</u>                |                 |                 |                |
| 2  | <u>WITNESS</u>                  |                 | <u>PAGE</u>     |                |
| 3  | DANIAL NUTTER                   |                 |                 |                |
| 4  | Direct Examination by Mr. Hatch |                 |                 | 3              |
| 5  |                                 |                 |                 |                |
| 6  |                                 |                 |                 |                |
| 7  |                                 |                 |                 |                |
| 8  | <u>E X H I B I T S</u>          |                 |                 |                |
| 9  | <u>COMMISSION'S</u>             |                 | <u>ADMITTED</u> | <u>OFFERED</u> |
| 10 | Exhibit One                     | Recommendations | 5               | 3              |
| 11 |                                 |                 |                 |                |
| 12 |                                 |                 |                 |                |
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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 NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 4848  
Order No. R-4423

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER CREATING, CONTRACTING, AND EXTEND-  
ING VERTICAL AND HORIZONTAL LIMITS OF  
CERTAIN POOLS IN LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on October 17, 1972, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 27th day of October, 1972, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDINGS

(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 gas pool in Lea County, New Mexico, for the production of gas from the San Andres formation, said pool to bear the designation of Hare-San Andres Gas Pool. Said Hare-San Andres Gas Pool was discovered by the Shell Oil Company Turner Well No. 16, located in Unit M of Section 22, Township 21 South, Range 37 East, NMPM. It was completed in the San Andres formation on June 2, 1972. The top of the perforations is at 4004 feet.

(3) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Wolfcamp formation, said pool to bear the designation of Hightower-Wolfcamp Pool. Said Hightower-Wolfcamp Pool was discovered by the Blackrock Oil Company State CY Well No. 1, located in Unit M of Section 30, Township 12 South, Range 34 East, NMPM. It was completed in the Wolfcamp formation on August 28, 1972. The top of the perforations is at 9326 feet.

(4) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Atoka formation, said pool to bear the designation of West Sombrero-Atoka Gas Pool. Said West Sombrero-Atoka Gas Pool was discovered by the Thunderbird Oil Corporation Bell "15"

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State Well No. 1, located in Unit L of Section 15, Township 16 South, Range 33 East, NMPM. It was completed in the Atoka formation on July 26, 1972. The top of the perforations is at 12,865 feet.

(5) That there is need for the contraction of the Arrowhead-Grayburg Pool in Lea County, New Mexico, by the deletion of certain acreage which overlaps with the Langlie-Mattix Pool.

(6) That there is need for the contraction of the Eumont Gas Pool in Lea County, New Mexico, by the deletion of certain acreage in order that the deleted acreage may be placed in the Langlie-Mattix Pool for nomenclature correction.

(7) That there is need for the contraction of the Bagley-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of certain acreage which is dedicated to a well producing in the North Bagley-Pennsylvanian Pool. Said deleted acreage shall be placed in the North Bagley-Pennsylvanian Pool.

(8) That there is need for the extension of the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, to include the Grayburg formation.

(9) That there is need for certain extensions to the North Bagley-Pennsylvanian Pool, the Blinbry Oil Pool, the Flying "M"-San Andres Pool, the Fowler-Upper Paddock Gas Pool, the Langlie Mattix Pool, the North Lynch Yates-Seven Rivers Pool, the Querecho Plains-Queen Pool, the North Skaggs-Drinkard Gas Pool, the Townsend-Morrow Gas Pool, the North Vacuum-Abo Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM  
Section 22: SW/4

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

TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM  
Section 30: SW/4

(c) That a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production, is hereby created and

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Order No. R-4423

designated as the West Sombrero-Atoka Gas Pool, consisting of the following described area:

TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM  
Section 15: W/2

(d) That the Arrowhead-Grayburg Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
Section 19: All  
Section 20: W/2

(e) That the Eumont Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
Section 20: W/2 NW/4 and NW/4 SW/4

(f) That the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, are hereby extended to include the Grayburg formation. Also, said Langlie Mattix Pool, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
Section 20: W/2 NW/4 and NW/4 SW/4

(g) That the Bagley-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
Section 34: NW/4

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

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
Section 34: NW/4

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

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM  
Section 25: SW/4

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(j) That the Flying "M"-San Andres Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM

Section 8: E/2

Section 30: SE/4

(k) That the Fowler-Upper Paddock Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM

Section 15: NW/4

Section 22: S/2 and NW/4

(l) That the North Lynch Yates-Seven Rivers 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 19: NE/4

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

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM

Section 27: S/2

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

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM

Section 8: N/2 NW/4

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

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM

Section 16: W/2

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

Section 1: SE/4

Section 3: SW/4

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM

Section 29: NW/4

Section 31: NE/4

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

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
Section 12: SE/4

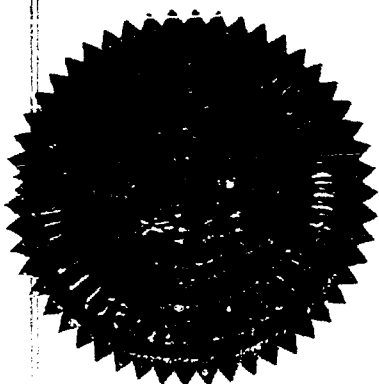
TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM  
Section 7: NW/4

IT IS FURTHER ORDERED:

(1) That, pursuant to Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

(2) That the effective date of this order and all creations, contractions, and extensions of vertical and horizontal limits included herein shall be November 1, 1972.

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



STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Bruce King*  
BRUCE KING, Chairman

*Alex J. Arrijo*  
ALEX J. ARRIJO, Member

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

S E A L

dr/

Case 4847 continued from Page 2

actual operating costs, and the establishment of charges for supervision of said well.

CASE 4720: (Reopened)

In the matter of the application of Rotary Oil & Gas Company for an unorthodox location and non-standard proration unit, Lea County, New Mexico, being reopened on the motion of Rotary Oil & Gas Company. Applicant, in the above-styled cause, seeks amendment of Order No. R-4318 which order established a non-standard proration unit in the Osudo-Devonian Gas Pool comprising the NE/4 of Section 32 and the NW/4 of Section 33, Township 20 South, Range 36 East, Lea County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the North line and 1980 feet from the East line of said Section 32. Applicant seeks removal of the ratable take and acreage factor assigned to the subject well by said Order No. R-4318.

CASE 4848: Southeastern New Mexico nomenclature case calling for an order for the creation, contraction and extension of certain pools in Lea County, New Mexico.

(a) Create a new pool in Lea County, New Mexico, classified as a gas pool for San Andres production and designated as the Hare-San Andres Gas Pool. The discovery well is Shell Oil Company, Turner No. 16 located in Unit M of Section 22, Township 21 South, Range 37 East, NMPM. Said pool described as:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM  
Section 22: SW/4

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production and designated as the Hightower-Wolfcamp Pool. The discovery well is Blackrock Oil Company, State CY No. 1 located in Unit M of Section 30, Township 12 South, Range 34 East, NMPM. Said pool described as:

TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM  
Section 30: SW/4

(c) Create a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the West Sombrero-Atoka Gas Pool. The discovery well is Thunderbird Oil Corporation, Bell "15" State No. 1 located in Unit L of Section 15, Township 16 South, Range 33 East, NMPM. Said pool described as:

TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM  
Section 15: W/2

Case 4848 continued from page 3

(d) Contract the Arrowhead-Grayburg Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 19: All

Section 20: W/2

(e) Contract the Eumont Gas Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 20: W/2 NW/4 and NW/4 SW/4

(f) Extend the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, to include the Grayburg formation. Also, extend said Langlie Mattix Pool to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 20: W/2 NW/4 and NW/4 SW/4

(g) Contract the Bagley-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 34: NW/4

(h) Extend the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 34: NW/4

(i) Extend the Blinebry Oil Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM

Section 25: SW/4

(j) Extend the Flying "M"-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM

Section 8: E/2

(k) Extend the Fowler-Upper Paddock Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM

Section 15: NW/4

Section 22: S/2 and NW/4

(l) Extend the North Lynch Yates-Seven Rivers Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM  
Section 19: NE/4

(m) Extend the Querecho Plains-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM  
Section 27: S/2

(n) Extend the North Skaggs-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
Section 8: N/2 NW/4

(o) Extend the Townsend-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM  
Section 16: W/2

(p) Extend the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
Section 1: SE/4

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM  
Section 29: NW/4

(q) Extend the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM  
Section 7: NW/4

DOCKET: EXAMINER HEARING - TUESDAY - OCTOBER 17, 1972

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Elvis A. Utz, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for November, 1972, from seventeen prorated pools in Lea, Eddy, Roosevelt and Chaves Counties, New Mexico.
- (2) Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico for November, 1972.

CASE 4747: (Continued from the September 13, 1972, Examiner Hearing)

Application of Union Texas Petroleum, A Division of Allied Chemical Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests below the base of the Devonian formation underlying the N/2 of Section 33, Township 25 South, Range 37 East, Crosby Field, Lea County, New Mexico. Said acreage to be dedicated to its well to be located 1650 feet from the North line and 2310 feet from the East line of said Section 33. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4842: Application of Dalport Oil Corporation for amendment of pool rules, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of the special rules governing the Double L-Queen Associated Pool, Chaves County, New Mexico, to change the size of a standard gas well proration unit from 160 acres to 320 acres with the provision that said 320-acre units not be permitted to produce more gas than is presently permitted under 160-acre spacing.

CASE 4843: Application of Dalport Oil Corporation for designation of a special gas area and special rules therefor, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the designation of the Southeast Chaves Queen Gas Area comprising all of Townships 12 and 13 South, Ranges 30 and 31 East, Township 14 South, Ranges 29, 30 and 31 East, and Township 15 South, Ranges 29 and 30 East.

Applicant further seeks the promulgation of special rules for said area including a provision for 320-acre spacing for gas wells, location of gas wells in conformance with the Southeast New Mexico 320-acre gas well location rules, and classification

Case 4843 continued from Page 1

of wells as gas wells at a gas-liquid ratio of 30,000 or more.  
Oil wells in said area would be governed by the statewide rules.

CASE 4844: Application of Western Oil Producers, Inc. for a non-standard gas spacing unit and unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a non-standard spacing unit in the Osudo-Morrow Gas Pool comprising the W/2 SE/4 of Section 6, and the NE/4 of Section 7, Township 21 South, Range 35 East, Lea County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location 330 feet from the South line and 1980 feet from the East line of said Section 6.

CASE 4845: Application of Western Oil Producers, Inc. for compulsory pooling and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Osudo-Morrow Gas Pool underlying Lots 11, 12, 13 and 14 and the SW/4 of Section 5, Township 21 South, Range 35 East, Lea County, New Mexico, to form a non-standard spacing unit to be dedicated to a well to be drilled 3300 feet from the South line and 660 feet from the West line of said Section 5.

Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4846: Application of Universal Resources Corporation for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the N/2 of Section 16, Township 32 North, Range 12 West, Blanco Mesaverde Pool, San Juan County, New Mexico, to be dedicated to a well to be located at a standard location. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for the supervision of said well.

CASE 4847: Application of Cities Service Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface of the ground down to and including the Morrow formation underlying the S/2 of Section 28, Township 21 South, Range 27 East, South Carlsbad Field, Eddy County, New Mexico, said acreage to be dedicated to applicant's Cawley "A" Well No. 1 to be drilled to the Morrow formation at a location 1980 feet from the South and West lines of said Section 28.

Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of

NOMENCLATURE ADVERTISEMENT FOR SEPTEMBER, 1972

CASE 4848

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the creation of new pools in Lea County, New Mexico, the contraction of certain existing pools in Lea County, New Mexico, and the extension of vertical and horizontal limits of certain existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, contractions, and extensions of vertical and horizontal limits should not be made.

a) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for San Andres production and designated as the Hare-San Andres Gas Pool. The discovery well is Shell Oil Company, Turner No. 16 located in Unit M of Section 22, Township 21 South, Range 37 East, NMPM. Said pool described as:

✓ TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM  
SECTION 22: SW/4

b) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production and designated as the Hightower-Wolfcamp Pool. The discovery well is Blackrock Oil Company, State CY No. 1 located in Unit M of Section 30, Township 12 South, Range 34 East, NMPM. Said pool described as:

✓ TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM  
SECTION 30: SW/4

c) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the West Sombrero-Atoka Gas Pool. The discovery well is Thunderbird Oil Corporation, Bell "15" State No. 1 located in Unit L of Section 15, Township 16 South, Range 33 East, NMPM. Said pool described as:

✓ TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: W/2

d) CONTRACT the Arrowhead-Grayburg Pool in Lea County, New Mexico, by the deletion of the following described area:

✓ TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
SECTION 19: All  
SECTION 20: W/2

e) CONTRACT the Emont Gas Pool in Lea County, New Mexico, by the deletion of the following described area:

✓ TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
SECTION 20: W/2 NW/4 and NW/4 SW/4

f) EXTEND the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, to include the Grayburg formation. Also, extend said Langlie Mattix Pool to include therein:

✓ TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
SECTION 20: W/2 NW/4 and NW/4 SW/4

October, 1972 Nomenclature

g) CONTRACT the Bagley-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 34: NW/4 ✓

h) EXTEND the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 34: NW/4 ✓

i) EXTEND the Blinebry Oil Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM  
SECTION 25: SW/4

j) EXTEND the Flying "M"-San Andres Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
SECTION 8: E/2

k) EXTEND the Fowler-Upper Paddock Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM  
SECTION 15: NW/4  
SECTION 22: S/2 and NW/4

l) EXTEND the North Lynch Yates-Seven Rivers Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM  
SECTION 19: NE/4

m) EXTEND the Querecho Plains-Queen Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM  
SECTION 27: S/2

n) EXTEND the North Skaggs-Drinkard Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
SECTION 8: N/2 NW/4

o) EXTEND the Townsend-Morrow Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM  
SECTION 16: W/2

-3-  
October, 1972 Nomenclature

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

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 1: SE/4

✓ TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM  
SECTION 29: NW/4

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

✓ TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM  
SECTION 7: NW/4

#### NEW POOLS

- a) It is recommended that a new gas pool be created and designated as the HARE-SAN ANDRES GAS Pool.

Vertical limits to be the San Andres formation and the horizontal limits should be as follows: As shown in Paragraph (a), Exhibit I

Discovery well was Shell Oil Company - Turner #16 located in Unit M Section 22 Township 21 Range 37 and was completed on June 2, 1972. Top of perforations is at 4004 feet.

- b) It is recommended that a new oil pool be created and designated as the HIGHTOWER-WOLFECAMP Pool.

Vertical limits to be the Wolfcamp formation and the horizontal limits should be as follows: As shown in Paragraph (b), Exhibit I

Discovery well was Blackrock Oil Company - State CY #1 located in Unit M Section 30 Township 12 Range 34 and was completed on August 28, 1972. Top of perforations is at 9326 feet.

- c) It is recommended that a new gas pool be created and designated as the WEST SOMBRERO-ATOKA GAS Pool.

Vertical limits to be the Atoka formation and the horizontal limits should be as follows: As shown in Paragraph (c), Exhibit I

Discovery well was Thunderbird Oil Corporation - Bell "15" State #1 located in Unit L Section 15 Township 16 Range 33 and was completed on July 26, 1972. Top of perforations is at 12,865 feet.

*EE Staff*  
4848  
Staff  
10/17/72

CASE 4848: (a) CREATION OF A NEW GAS POOL

| COUNTY   | LEA      | POOL  | HARE-SAN ANDRES GAS |      |    |  |  |  |  |  |  |  |  |  |  |
|----------|----------|-------|---------------------|------|----|--|--|--|--|--|--|--|--|--|--|
| TOWNSHIP | 21 South | RANGE | 37 East             | NMPM |    |  |  |  |  |  |  |  |  |  |  |
| 6        | 5        | 4     | 3                   | 2    | 1  |  |  |  |  |  |  |  |  |  |  |
| 7        | 8        | 9     | 10                  | 11   | 12 |  |  |  |  |  |  |  |  |  |  |
| 18       | 17       | 16    | 15                  | 14   | 13 |  |  |  |  |  |  |  |  |  |  |
| 19       | 20       | 21    | 22                  | 23   | 24 |  |  |  |  |  |  |  |  |  |  |
| 30       | 29       | 28    | 27                  | 26   | 25 |  |  |  |  |  |  |  |  |  |  |
| 31       | 32       | 33    | 34                  | 35   | 36 |  |  |  |  |  |  |  |  |  |  |

PURPOSE: One completed gas well capable of producing.

SHELL OIL COMPANY - Turner #16 in Unit M of Section 22-21-37. Completed in San Andres on June 2, 1972. Top of Perforations 4004'.

Proposed pool boundary colored in red. SECTION 22: SW/4

# CREATION OF A NEW OIL POOL

POOL HIGHTOWER-WOLF CAMP

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

PURPOSE: One completed oil well capable of producing.

BLACKROCK OIL COMPANY -- State CY #1 in Unit M of Section 30-12-34. Completed in Wolfcamp on August 28, 1972. Top of Perforations 9326'.

Proposed pool boundary colored in red. SECTION 30: SW/4

CASE 4848: (c) CREATION OF A NEW GAS POOL

COUNTY LEA POOL WEST SOMBRERO-ATOKA GAS

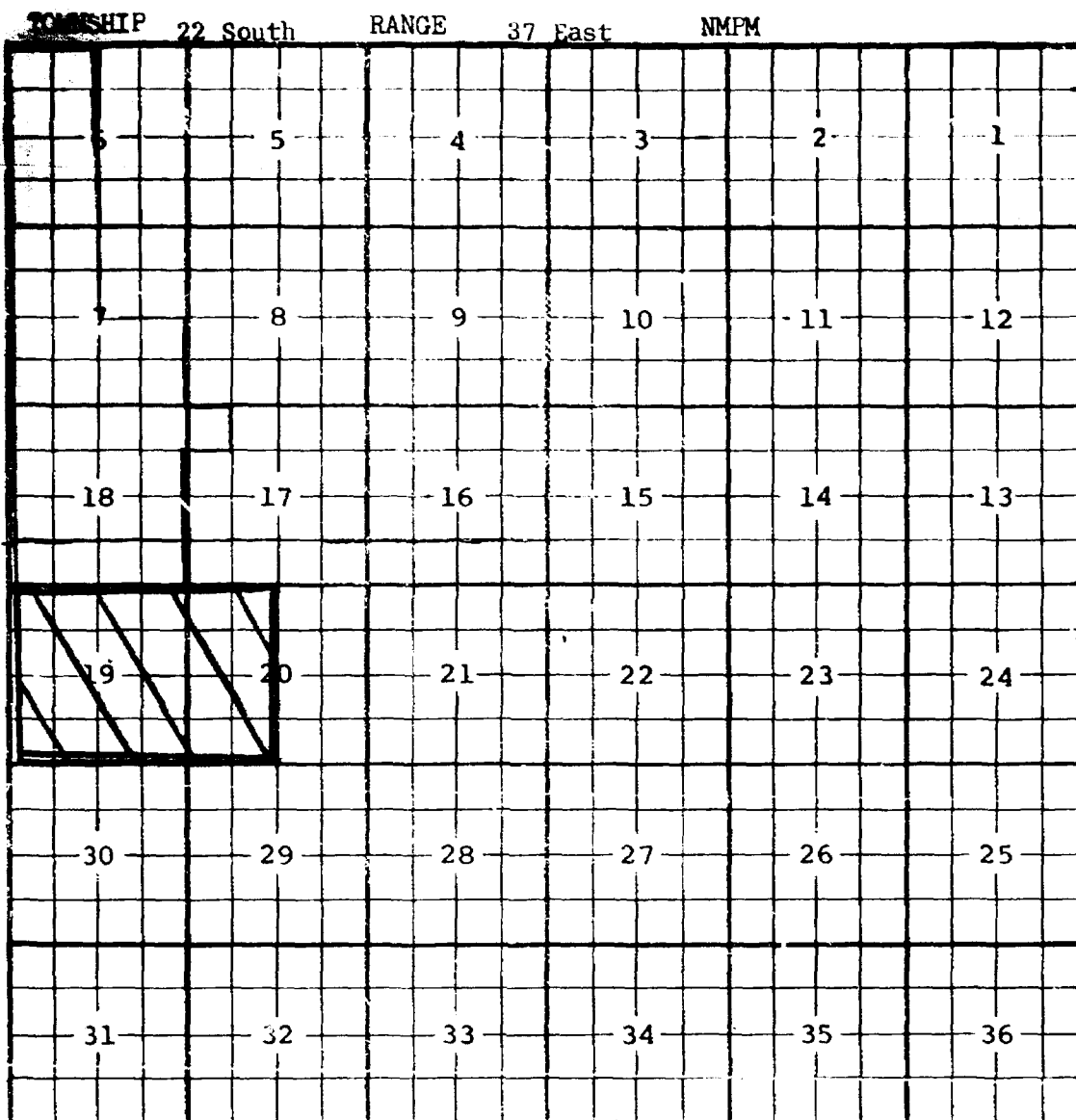
| TOWNSHIP | 16 South | RANGE | 33 East | NMPM |    |
|----------|----------|-------|---------|------|----|
| 6        | 5        | 4     | 3       | 2    | 1  |
| 7        | 8        | 9     | 10      | 11   | 12 |
| 18       | 17       | 16    | 15      | 14   | 13 |
| 19       | 20       | 21    |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

PURPOSE: One completed gas well capable of producing.

THUNDERBIRD OIL CORPORATION - Bell 15" State #1 in Unit L of Section 15-16-33. Completed in Atoka on July 26, 1972. Top of Perforations 12,865'. Proposed pool boundary colored in red. SECTION 15: W/2

CASE 4848: (d) DELETION OF AN EXISTING OIL POOL

COUNTY LEA POOL ARROWHEAD-GRAYBURG



PURPOSE: Contract the Arrowhead-Grayburg Pool by deleting acreage which overlaps with the Langlie Mattix Pool.

Pool boundary colored in red.

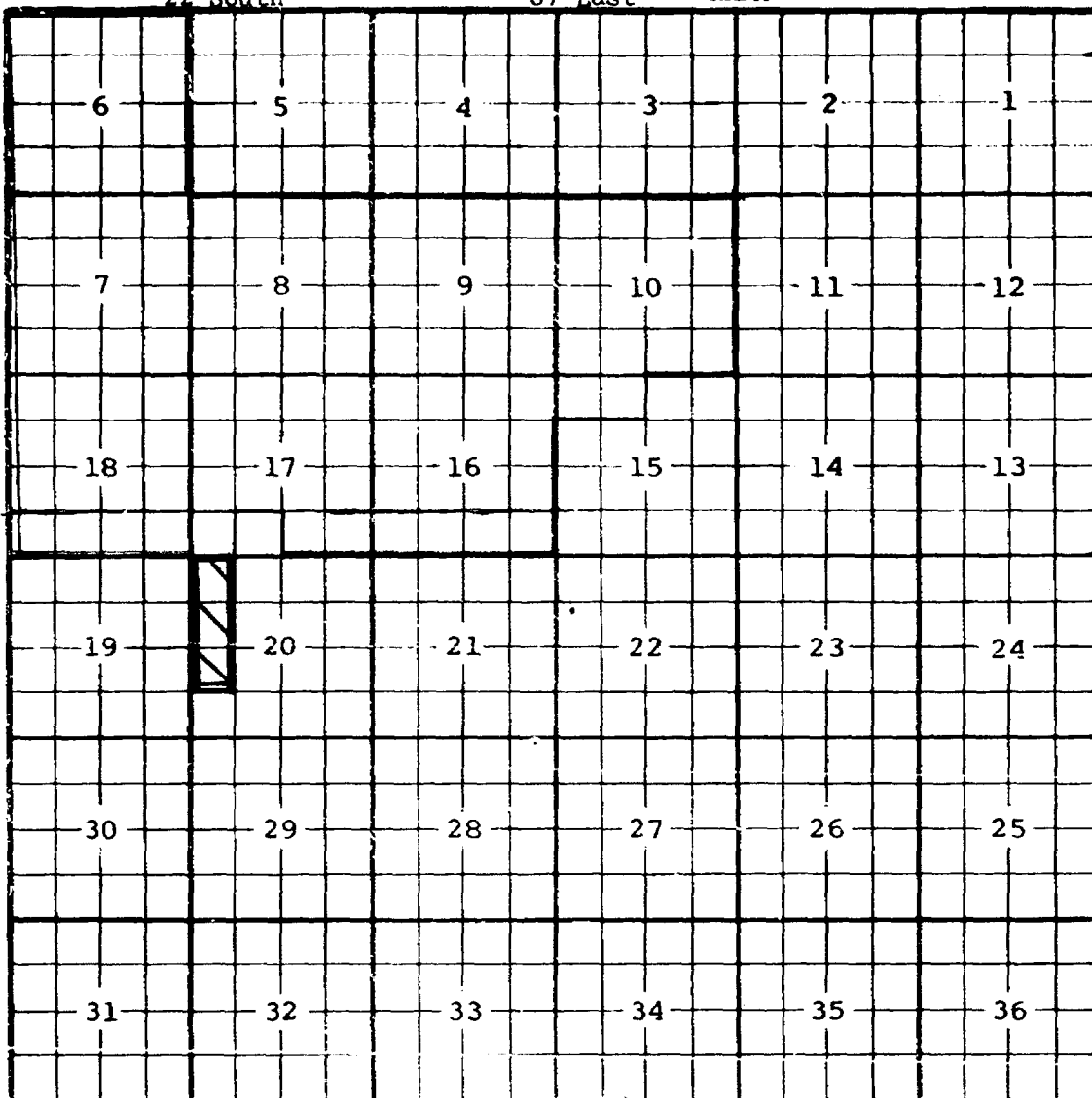
Proposed pool contraction colored in blue. SECTION 19: All

SECTION 20: W/2

CASE 4848: (e) CONTRACTION OF AN EXISTING GAS POOL

COUNTY LEA POOL EUMONT GAS

TOWNSHIP 22 South RANGE 37 East NMPM



PURPOSE: Contract the Eumont Gas Pool in order that deleted acreage may be placed in the Langlie Mattix Pool.

Pool boundary colored in red.

Proposed pool contraction colored in blue. SECTION 20: W/2 NW/4 and NW/4 SW/4

CASE 4848: (f) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS OF AN EXISTING OIL POOL

COUNTY LEA POOL LANGLEIE MATTIX

| TOWNSHIP | 22 South | RANGE | 37 East | NMFM |    |
|----------|----------|-------|---------|------|----|
| 6        | 5        | 4     | 3       | 2    | 1  |
| 7        | 8        | 9     | 10      | 11   | 12 |
| 18       | 17       | 16    | 15      | 14   | 13 |
| 19       | 20       | 21    | 22      | 23   | 24 |
| 30       | 29       | 28    | 27      | 26   | 25 |
| 31       | 32       | 33    | 34      | 35   | 36 |

PURPOSE: To extend the horizontal limits of the Langlie Mattix Pool to:  
take in the deleted acreage from the Eumont Gas Pool and to  
extend the vertical limits to include the Grayburg formation.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 20: W/2 NW/4 and NE/4 SW/4

CASE 4848: (g) CONTRACTION OF AN EXISTING OIL POOL

COUNTY LEA POOL BAGLEY-PENNSYLVANIAN

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

PURPOSE: Contract the Bagley-Pennsylvanian Pool in order that the dedi-  
cated acreage of a well producing in the North Bagley-  
Pennsylvanian Pool may be placed in the North Bagley-Pennsylvanian  
Pool.

Pool boundary colored in red.

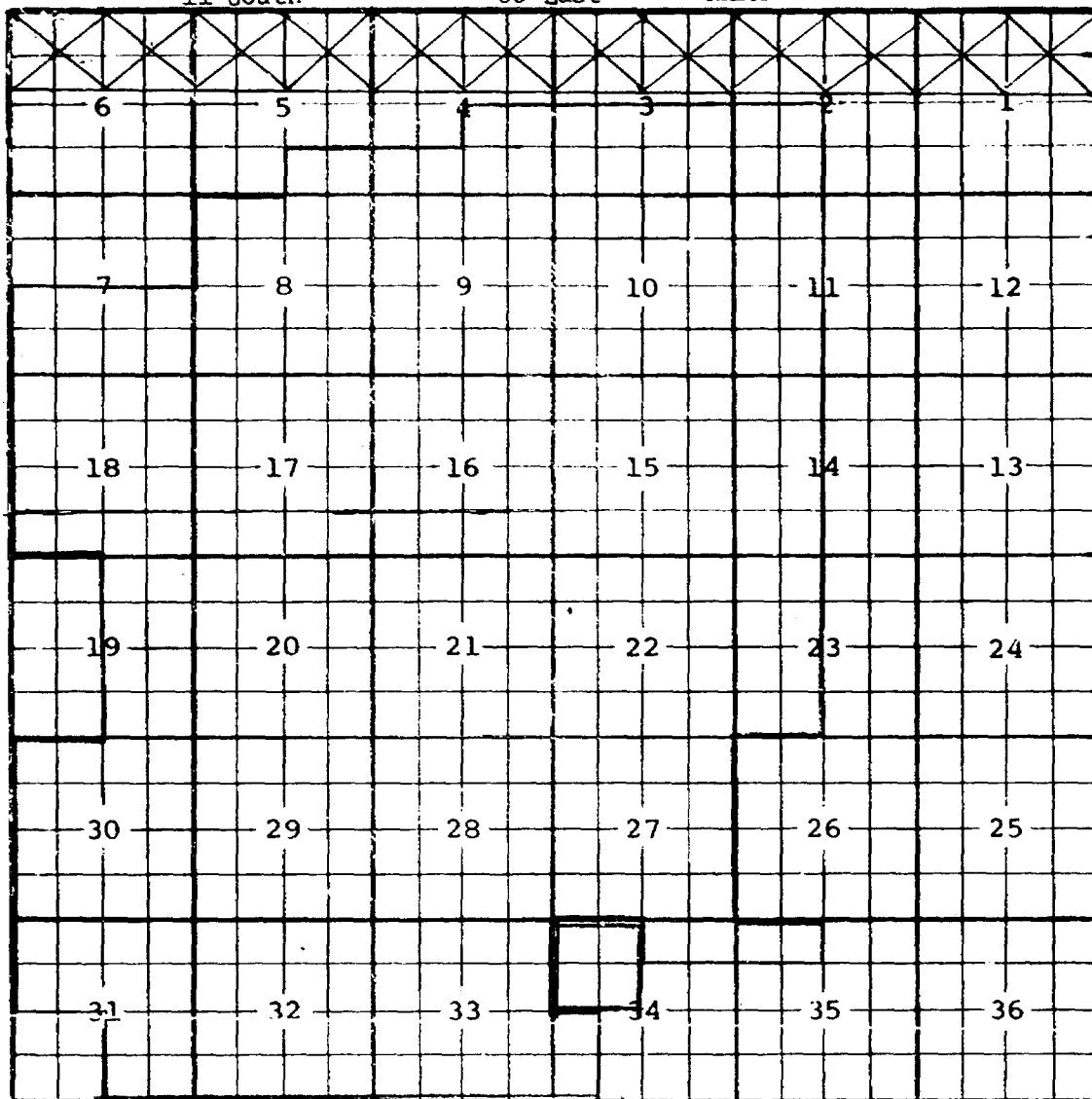
Proposed pool contraction colored in blue. SECTION 34: NW/4

CASE 4848: (h) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH BAGLEY-PENNSYLVANIAN

TOWNSHIP 11 South RANGE 33 East NMPM

Short  
Section



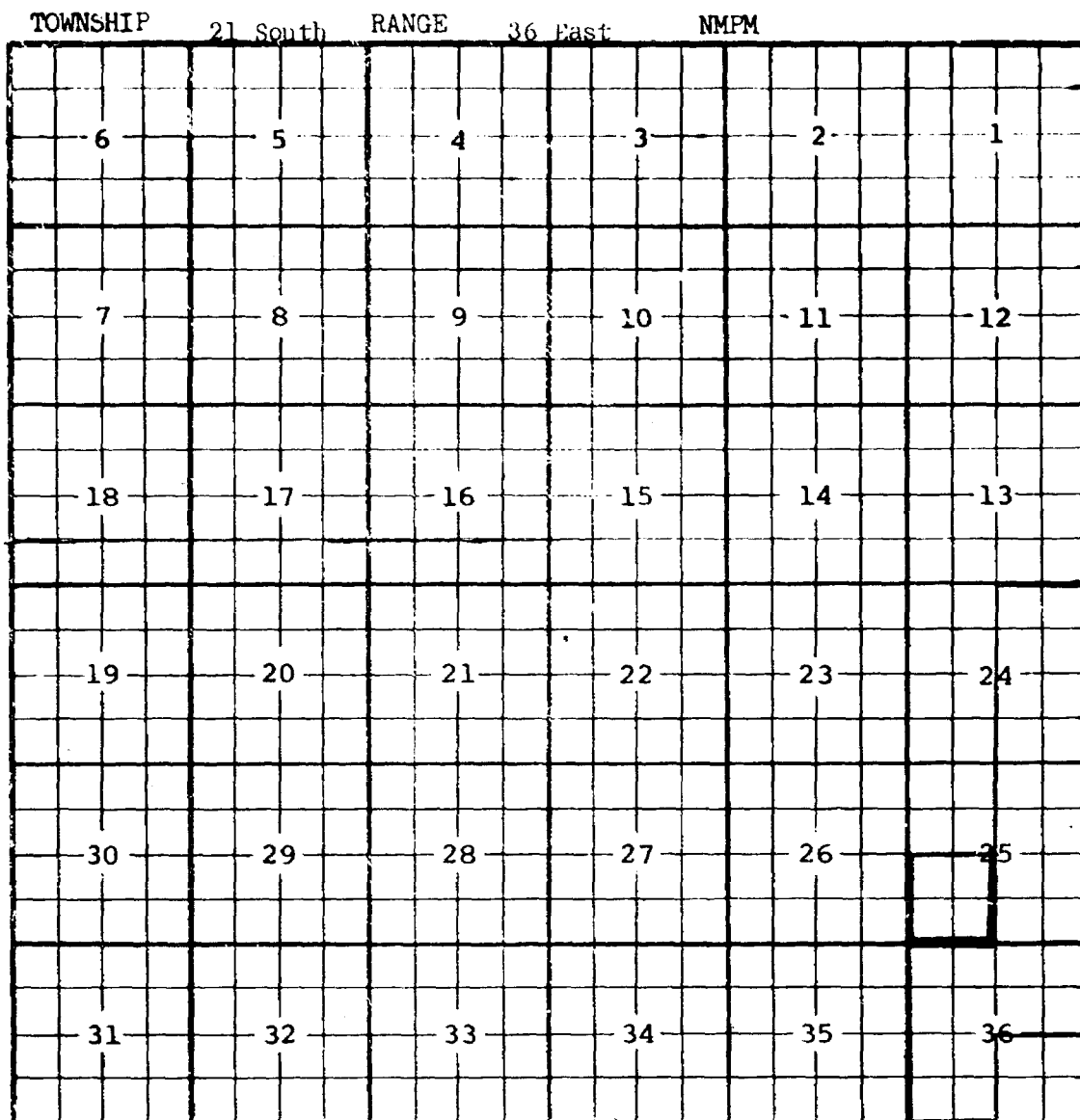
PURPOSE: One completed oil well capable of producing.

MEADCO PROPERTIES, LTD. - Bagley State Com #1 in Unit F of Section 34-11-33. Completed in Pennsylvanian on August 4, 1972. Top of Perforations 9743'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 34: NW/4

CASE 4848: (i) EXTENSION OF AN EXISTING OIL POOL  
COUNTY LEA POOL BLINEBRY OIL



PURPOSE: One completed oil well capable of producing.

ATLANTIC RICHFIELD COMPANY - J. N. Brownlee #5 in Unit N of Section 25-  
21-36. Completed in Blinebry on August 8, 1972. Top of Perforations  
5565'.

Pool boundary colored in red.

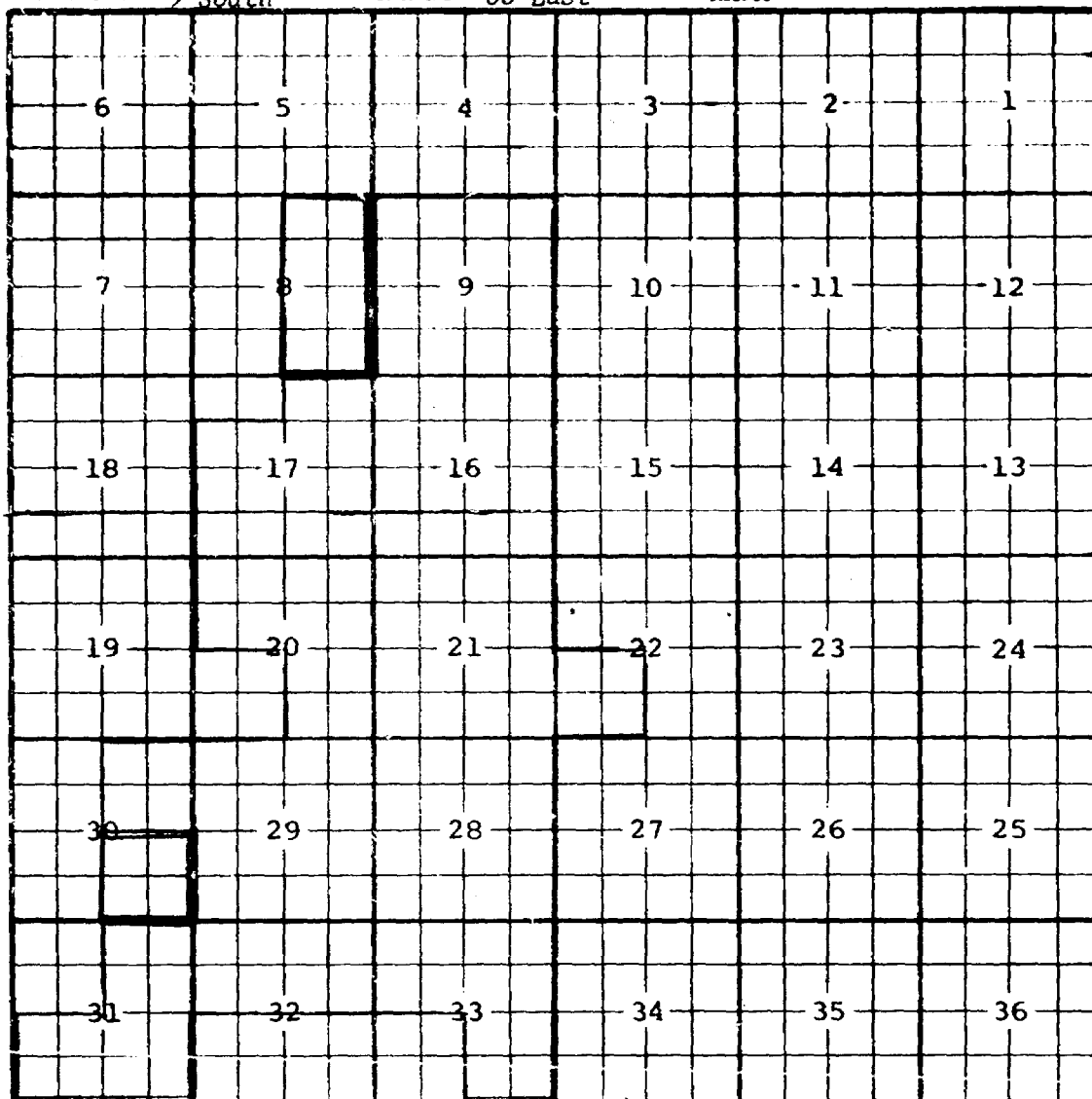
Proposed pool extension colored in green. SECTION 25: SW/4

COUNTY LEA POOL FLYING "M"-SAN ANDRES

TOWNSHIP 9 South

RANGE 33 East

**NMPM**



BRIDWELL OIL COMPANY - New Mexico "8" State #1 in Unit H of Section 8-9-

33. Completed in San Andres on July 24, 1972. Top of Perforations 4426'.

ADDITION--SAXON OIL COMPANY - Gregg Dodd #1 in Unit J of Section 30-9-33.

Completed in San Andres on September 15, 1972. Top of Perforations 4318'.

Pool boundary colored in red.

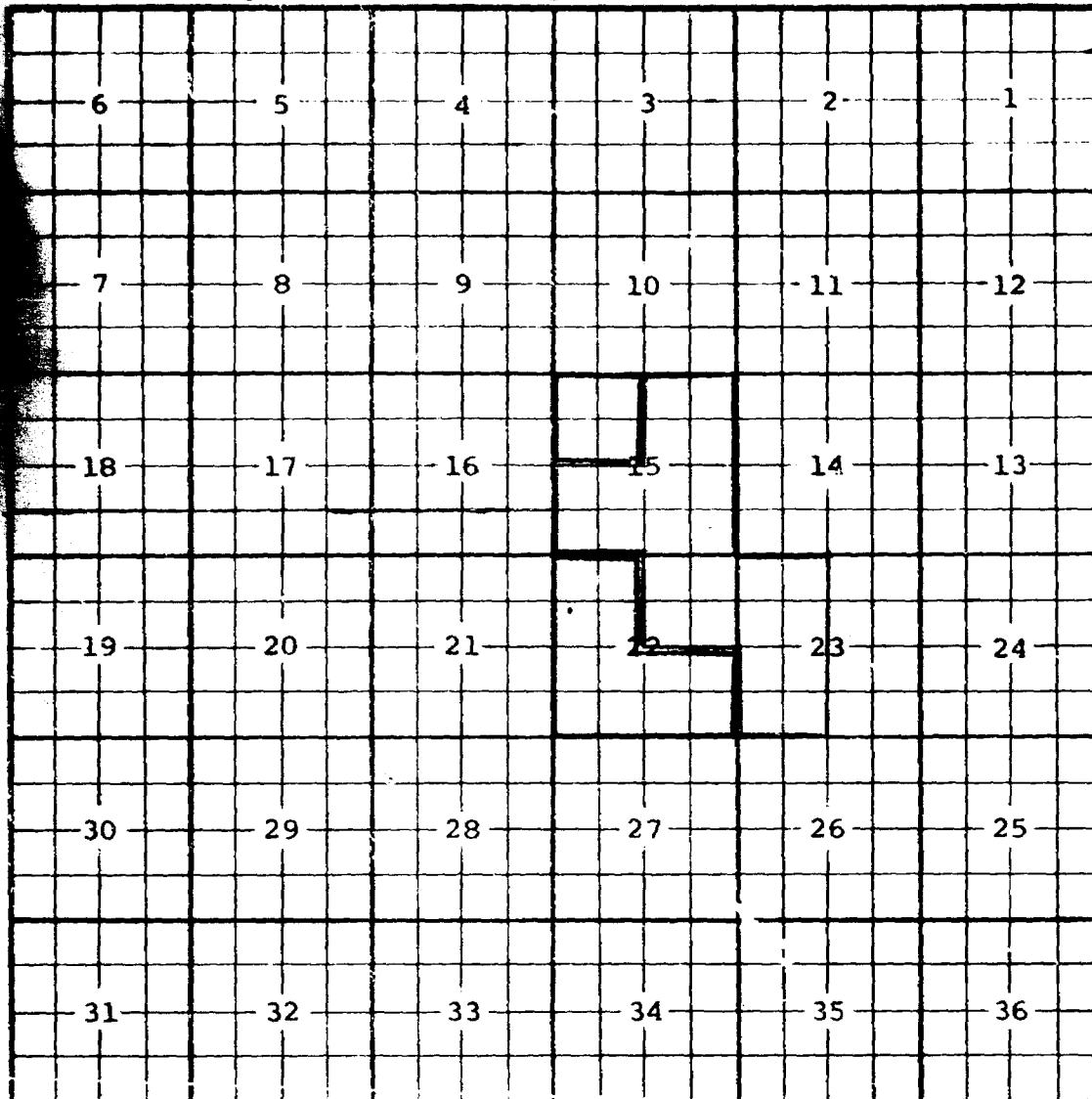
Proposed pool extensions colored in green. SECTION 8: E/2

ADDITION-----SECTION 30: SE/4

CASE 4848: (k) EXTENSION OF AN EXISTING GAS POOL

COUNTY LEA POOL FOWLER-UPPER PADDOCK GAS

TOWNSHIP 24 South RANGE 37 East NMFM



PURPOSE: To take in all dedicated acreage.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 15: NW/4

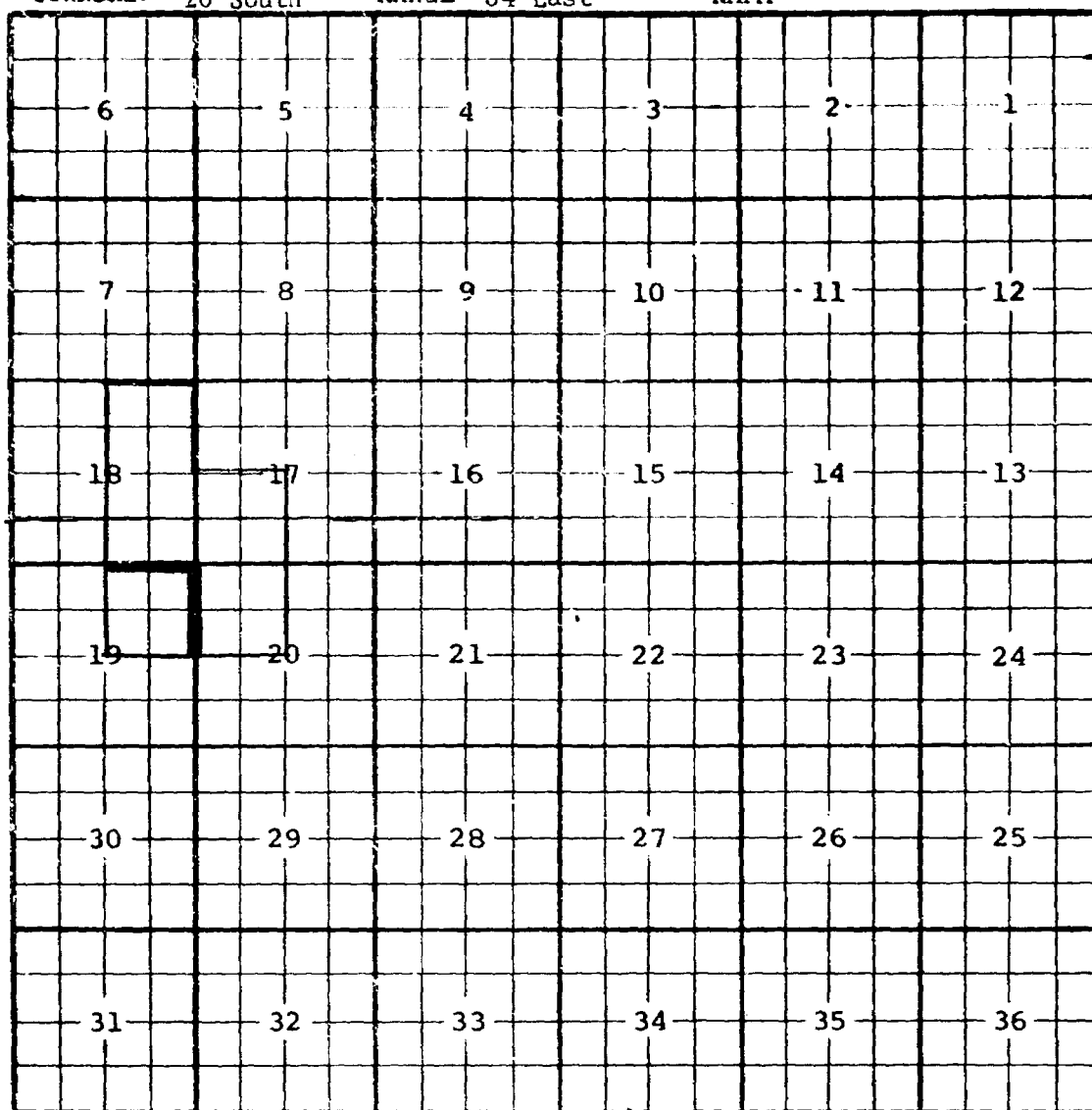
SECTION 22: S/2 and NW/4

CASE 4848: (1) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

CASE 4848: (1) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH LYNCH YATES-SEVEN RIVERS

TOWNSHIP 20 South RANGE 34 East NMPM



PURPOSE: One completed oil well capable of producing.

WALLEN PROD. COMPANY - Wallen Federal #3 in Unit A of Section 19-20-34.

Completed in Yates on July 22, 1972. Top of Perforations 3344'.

Pool boundary colored in red.

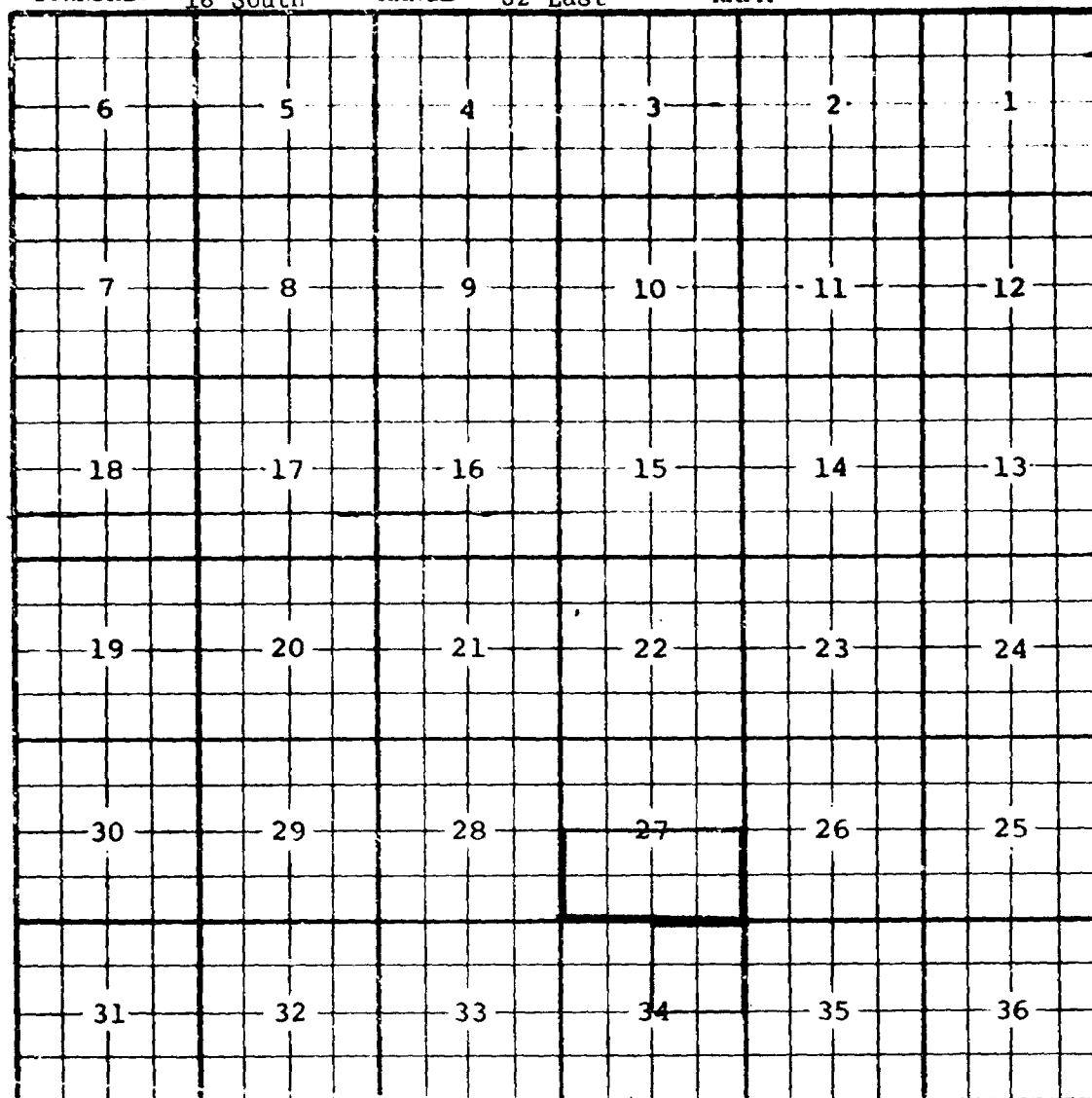
Proposed pool extension colored in green. SECTION 19: NE/4

CASE 4848: (q) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

CASE 4848: (m) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL QUERECHO PLAINS-QUEEN

TOWNSHIP 18 South RANGE 32 East NMPM



PURPOSE: One completed oil well capable of producing.

BURLESON & MUFF - Anadarko #1 in Unit N of Section 27-18-32. Completed in Queen on July 17, 1972. Top of Perforations 3910'.

Pool boundary colored in red.

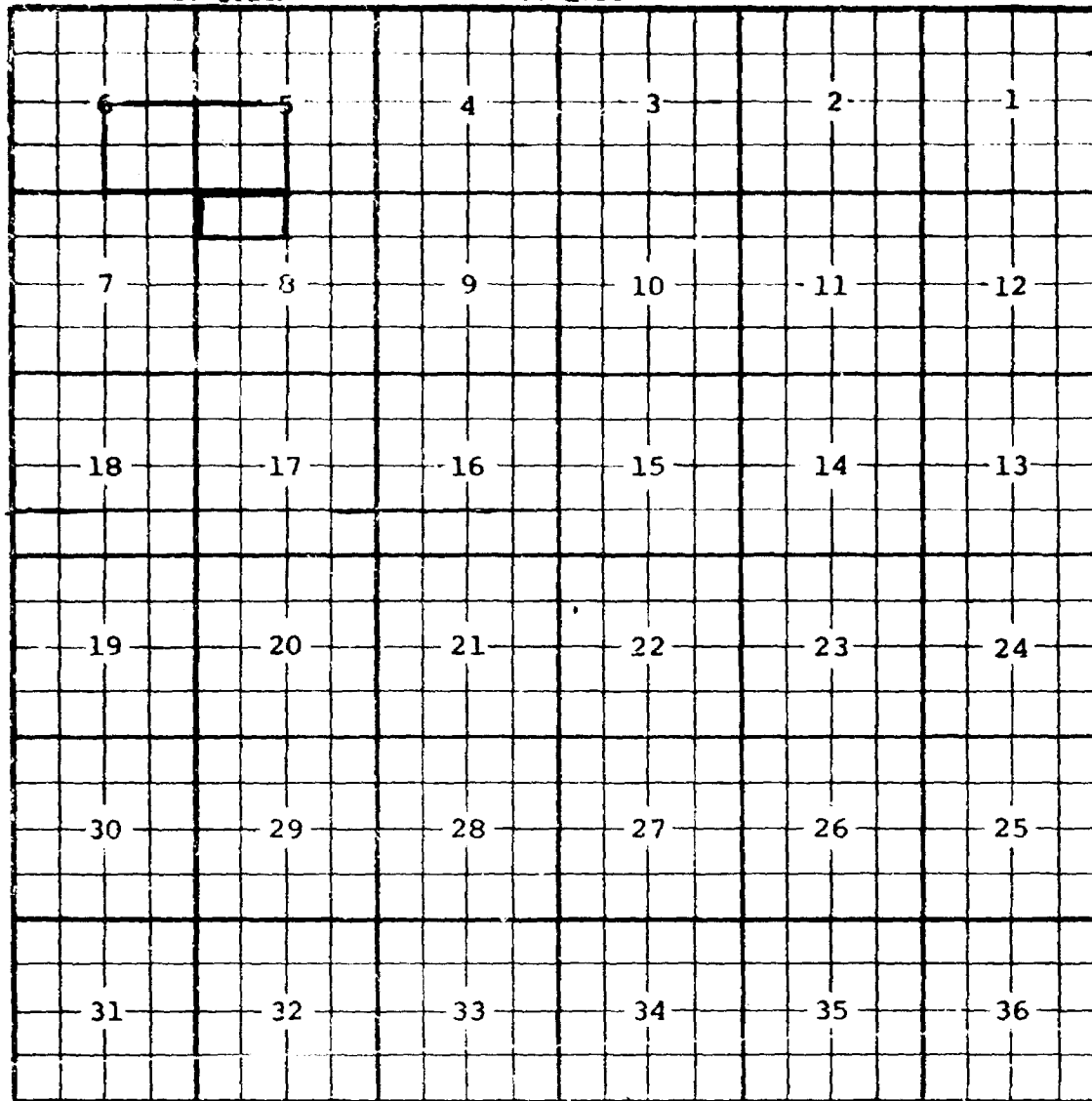
Proposed pool extension colored in green. SECTION 27: S/2

CASE 4848

CASE 4848: (n) EXTENSION OF AN EXISTING GAS POOL

COUNTY LEA POOL NORTH SKAGGS-DRINKARD GAS

TOWNSHIP 20 South RANGE 38 East NMPM



PURPOSE: To take in all dedicated acreage.

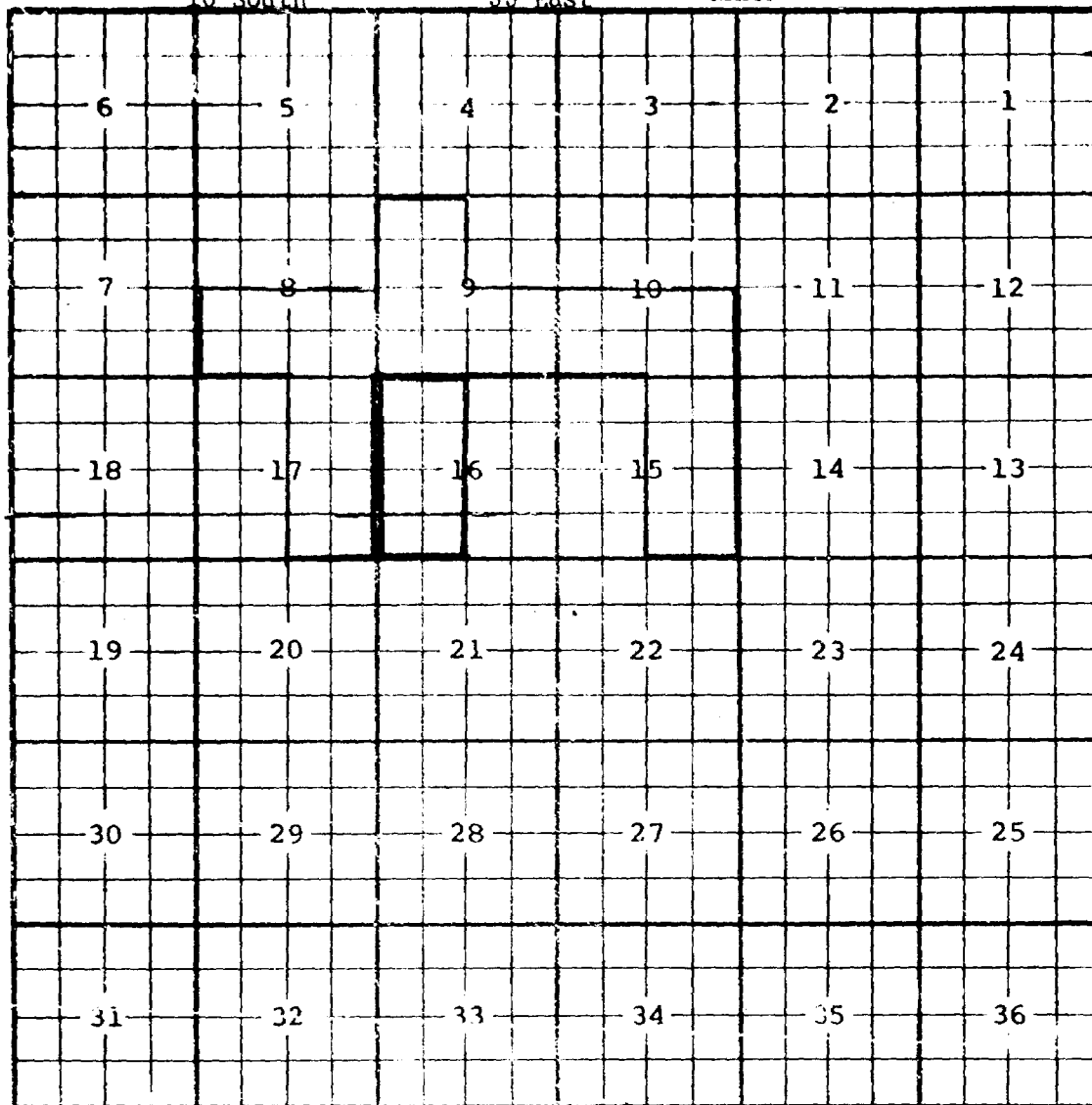
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 8: N/2 NW/4

CASE 4848: (o) EXTENSION OF AN EXISTING GAS POOL

COUNTY LEA POOL TOWNSEND-MORROW GAS

TOWNSHIP 16 South RANGE 35 East NMPM



PURPOSE: One completed gas well capable of producing.

TOM BROWN, INC. - Humble "A" State #1 in Unit E of Section 16-16-35.

Completed in Morrow on June 16, 1972. Top of Perforations 11,903'.

Pool boundary colored in red.

Proposed pool extension colored in gray. SECTION 16: W/2

CASE  
C

T

POOL (Continued)

CASE 4848: (p) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA

POOL NORTH VACUUM-ABO

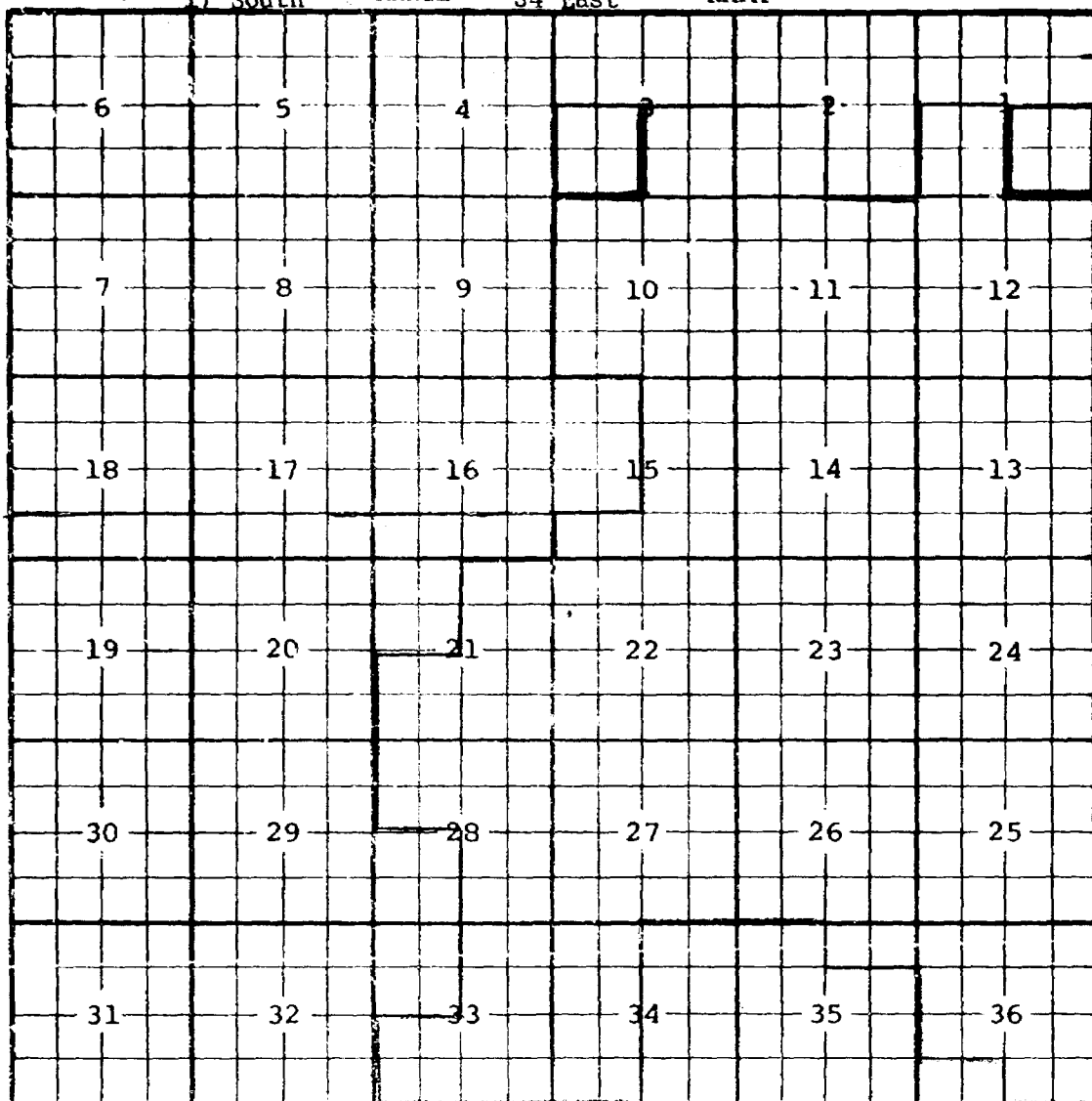
TOWNSHIP

17 South

RANGE

34 East

NMPM



PURPOSE: Two completed oil wells capable of producing.

AMINI OIL COMPANY - Shell State #1 in Unit J of Section 1-17-34. Completed in Abo on July 30, 1972. Top of Perforations 8669'.

ADDITION--KOCH EXPLORATION COMPANY - Miller "B" State #2 in Unit N of Section 3-17-34. Completed in Abo on August 30, 1972. Top of Perforations 8735'.

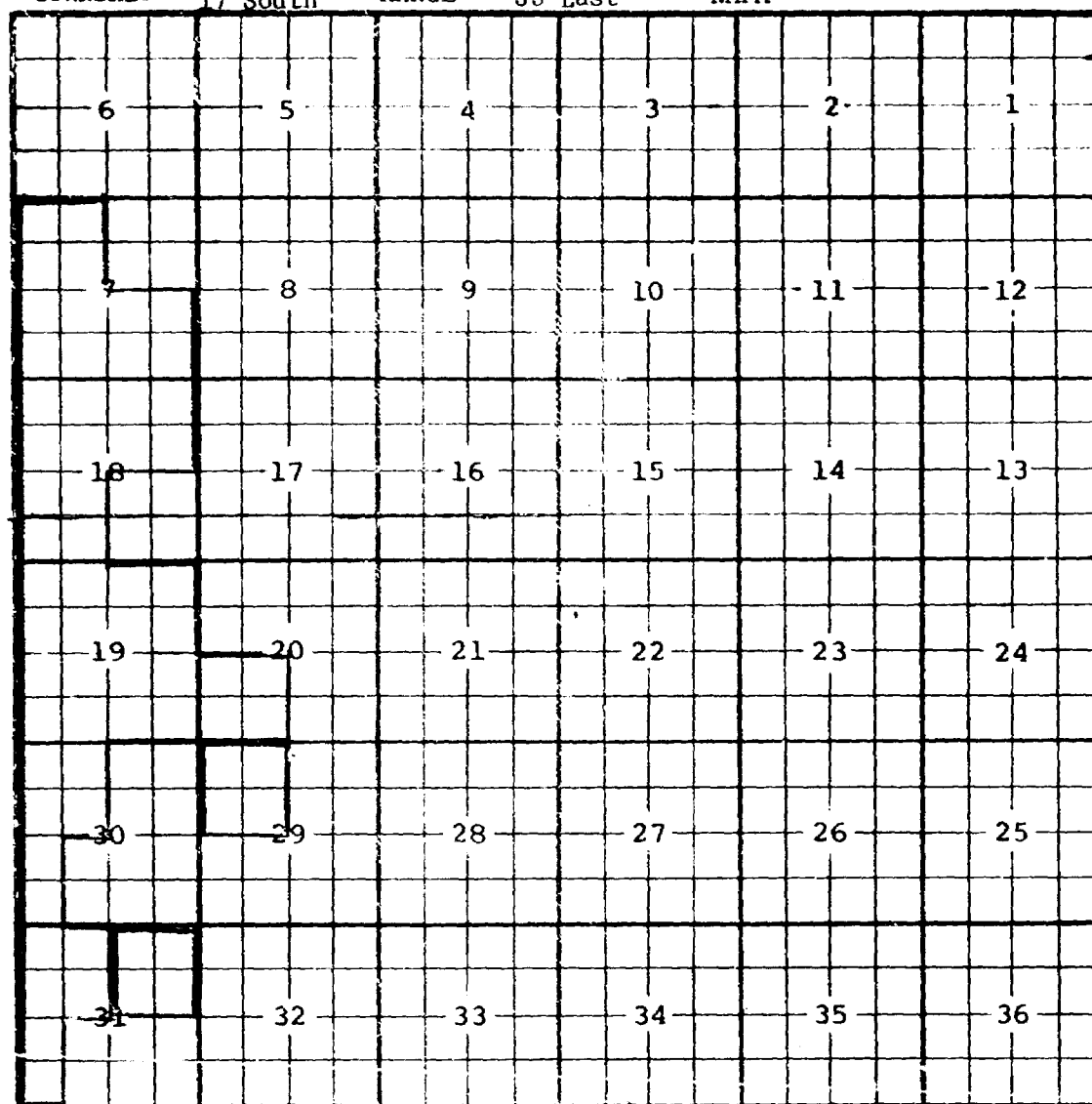
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 1: SE/4

ADDITION---SECTION 3: SW/4

| COUNTY | LEA | POOL | NORTH VACUUM-ABO |
|--------|-----|------|------------------|
|--------|-----|------|------------------|

TOWNSHIP 17 South RANGE 35 East NMPM



PHILLIPS PETROLEUM COMPANY - Santa Fe #124 in Unit D of Section 29-17-35.

Completed in Abo on June 28, 1972. Top of Perforations 8658'.

ADDITION--SHELL OIL COMPANY - State A #5 in Unit A of Section 31-17-35.

Completed in Abo on August 7, 1972. Top of Perforations 8510'.

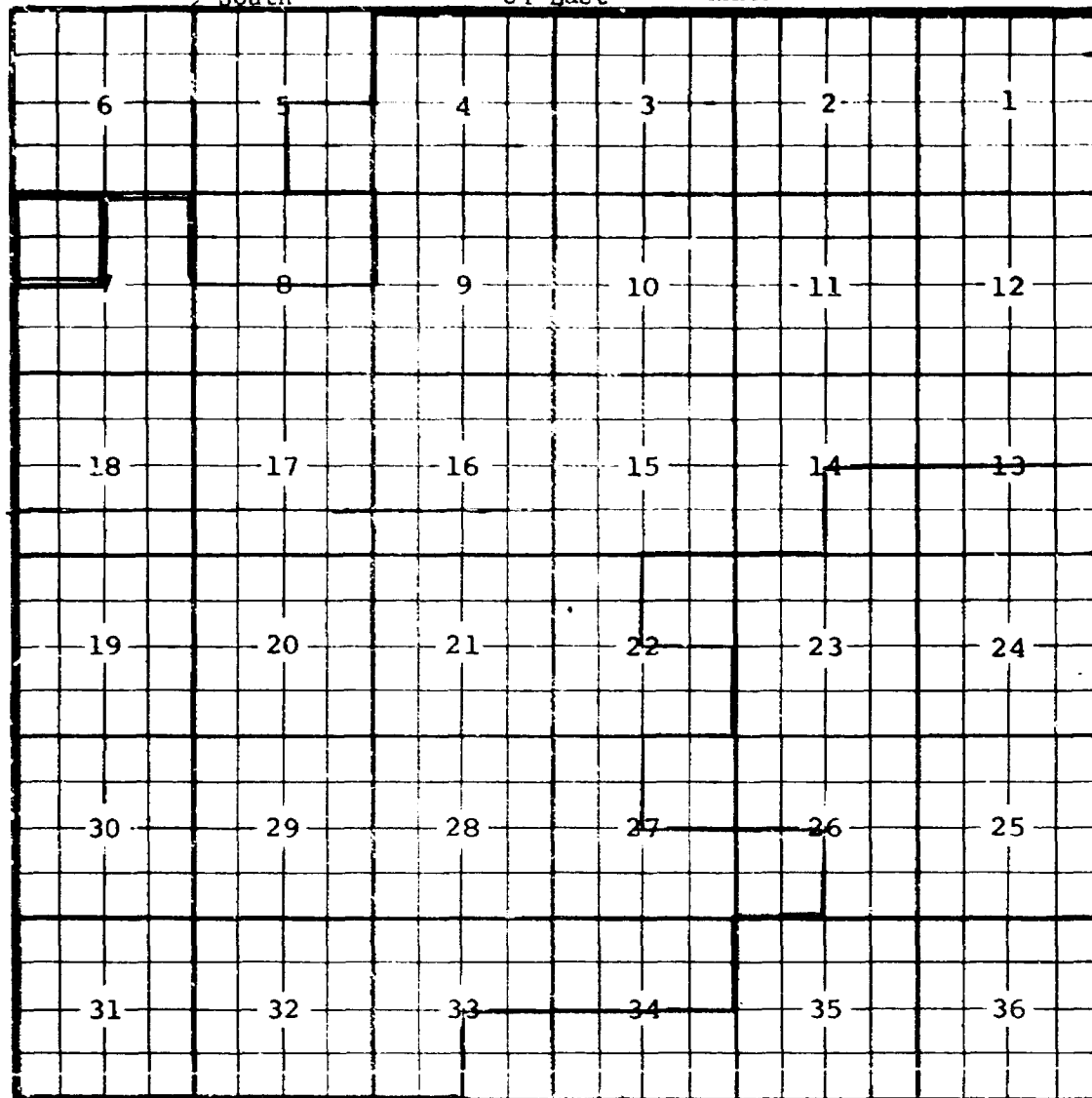
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 29: NW/4

ADDITION-----SECTION 31: NE/4

CASE 4848: (q) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL VADA-PENNSYLVANIAN  
TOWNSHIP 9 South RANGE 34 East NMPM



PURPOSE: One completed oil well capable of producing.

APACHE EXPLORATION CORPORATION - Young Federal Com #1 in Unit F of Section 7-9-34. Completed in Bough C on July 29, 1972. Top of Perforations 9620'.

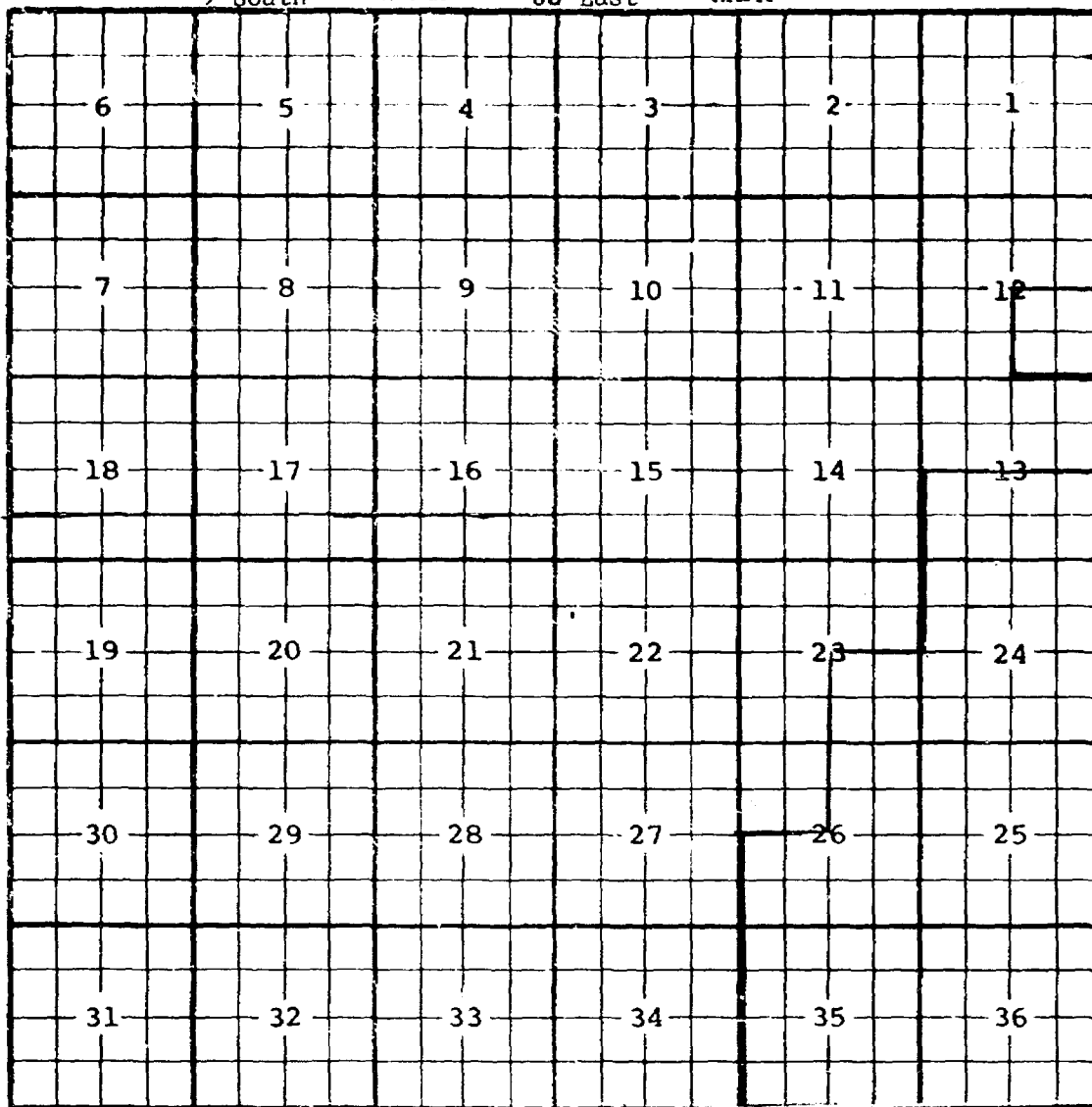
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 7: NW/4

CASE 4848: (q) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP 9 South RANGE 33 East NMPM



PURPOSE: As stated on preceding page, paragraph (q), Exhibit I.

ADDITION--APACHE EXPLORATION CORPORATION - Sheridan #1 in Unit P of Section 12-9-33. Completed in Bough C on September 3, 1972. Top of Perforations 9620'.

Pool boundary colored in red.

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

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 3843  
ORDER NO. R-4423

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER CREATING, CONTRACTING, AND EXTENDING  
VERTICAL AND HORIZONTAL LIMITS OF CERTAIN  
POOLS IN LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on October 17, 1972, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this \_\_\_\_ day of October, 1972, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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 gas pool in Lea County, New Mexico, for the production of gas from the San Andres formation, said pool to bear the designation of Hare-San Andres Gas Pool. Said Hare-San Andres Gas Pool was discovered by the Shell Oil Company Turner Well No. 16, located in Unit M of Section 22, Township 21 South, Range 37 East, NMPM. It was completed in the San Andres formation on June 2, 1972. The top of the perforations is at 4004 feet.

✓(3) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Wolfcamp formation, said pool to bear the designation of Hightower-Wolfcamp Pool. Said Hightower-Wolfcamp Pool was discovered by the Blackrock Oil Company State CY Well No. 1, located in Unit M of Section 30, Township 12 South, Range 34 East, NMPM. It was completed in the Wolfcamp formation on August 28, 1972. The top of the perforations is at 9326 feet.

✓(4) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Atoka formation, said pool to bear the designation of West Sombbrero-Atoka Gas Pool. Said West Sombbrero-Atoka Gas Pool was discovered by the Thunderbird Oil Corporation Bell "15" State Well No. 1, located in Unit L of Section 15, Township 15 South, Range 33 East, NMPM. It was completed in the Atoka formation on July 26, 1972. The top of the perforations is at 12,865 feet.

✓(5) That there is need for the contraction of the Arrowhead-Grayburg Pool in Lea County, New Mexico, by the deletion of certain acreage which overlaps with the Langlie-Mattix Pool.

✓(6) That there is need for the contraction of the Dumont Gas Pool in Lea County, New Mexico, by the deletion of certain acreage in order that the deleted acreage may be placed in the Langlie-Mattix Pool for nomenclature correction.

✓(7) That there is need for the contraction of the Bagley-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of certain acreage which is dedicated to a well producing in the North Bagley-Pennsylvanian Pool. Said deleted acreage shall be placed in the North Bagley-Pennsylvanian Pool.

✓(8) That there is need for the extension of the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, to include the Grayburg formation.

(9) That there is need for certain extensions to the North Bagley-Pennsylvanian Pool, the Blinbry Oil Pool, the Flying "D"-San Andres Pool, the Fowler-Upper Paddock Gas Pool, the Langlie-Mattix Pool, the North Lynch-Upper Paddock Gas Pool, the Querecho Plains-Queen Pool, the North Skaggs-Drinking Gas Pool, the Townsend-Perry Gas Pool, the North Vacuum-Abo Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

✓ TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM  
SECTION 22: SW/4

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

✓ TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM  
SECTION 30: SW/4

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

✓ TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: W/2

(d) That the Arrowhead-Grayburg Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

✓ TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
SECTION 19: All  
SECTION 20: W/2

(e) That the Eumont Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

✓ TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
SECTION 20: W/2 NW/4 and NW/4 SW/4

(f) That the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, are hereby extended to include the Grayburg formation. Also, said Langlie Mattix Pool, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
SECTION 20: W/2 NW/4 and NW/4 SW/4

(g) That the Bagley-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 34: NW/4

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

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 34: NW/4

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

✓ TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM  
SECTION 25: SW/4

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

✓ TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
SECTION 8: E/2  
SECTION 30: SW/4

(k) That the Fowler-Upper Paddock Gas Pool in Lea County, New Mexico, as

(k) Extension of Fowler-Upper Paddock Gas Pool continued:

✓ TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM  
SECTION 15: NW/4  
SECTION 22: S/2 and NW/4

(l) That the North Lynch Yates-Seven Rivers 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 19: NE/4

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

✓ TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM  
SECTION 27: S/2

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

✓ TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
SECTION 8: N/2 NW/4

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

✓ TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM  
SECTION 16: W/2

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

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 1: SE/4  
SECTION 3: SW/4

✓ TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM  
SECTION 29: NW/4  
SECTION 31: NE/4

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

✓ TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
SECTION 12: SE/4

✓ TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM  
SECTION 7: NW/4

IT IS FURTHER ORDERED:

(1) That, pursuant to Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

(2) That the effective date of this order and all creations, contractions, and extensions of vertical and horizontal limits included herein shall be November 1, 1972.

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CASE NO. 4848  
ORDER NO. R-\_\_\_\_\_

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

BRUCE KING, Chairman

ALEX ARMIJO, Member

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

S E A L