

CASE 3861:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

-ase Number

3861

Application

Transcripts.

Small Exhibits

ETC.

CHARLES B. READ

OIL PROPERTIES

P. O. BOX 2126

ROSWELL, NEW MEXICO 88201

September 11, 1968

Case No. 3861

Subparagraph (H)

Mr. Dan Nutter
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico
87501

Dear Mr. Nutter,

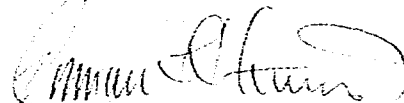
We notice that you have placed all of Section 12-10S-33E, Lea County, New Mexico in the nomenclature case for this month and are suggesting that all of Section 12 be placed in the Vada Penn Pool. The purpose of this letter is to support this proposal.

All the tests that we have run in the area - and we now have ten (10) producing Bough "C" wells - indicate a strong relationship between the wells that are drilled on 80 acres as well as the wells that are drilled on 160 acres and it is our opinion that one well drilled on 160 acres in this area will adequately drain the reserves.

If you would like to have any information that we have in this area in order to help substantiate your position that this acreage be placed in the Vada Penn, please advise and it will be forth coming.

Very truly yours,

CHARLES B. READ



BY: Norman L. Stevens, Jr.

NLS:at

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. 3861
Order No. R-3505

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 18, 1968, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 25th day of September, 1968, 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 oil pool in Lea County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Midway-San Andres Pool. Said Midway-San Andres Pool was discovered by the Texaco Inc. New Mexico "DG" State Well No. 1, located in Unit J of Section 18, Township 17 South, Range 37 East, NMPM. It was completed in the San Andres formation on July 24, 1968. The top of the perforations is at 5053 feet.

(3) That a portion of the proposed extension to the Inbe Permo-Pennsylvanian Pool, Lea County, New Mexico, should be dismissed pending further study.

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CASE No. 3861

Order No. R-3505

(4) That the proposed extension to the Tulk-Pennsylvanian Pool in Lea County, New Mexico, should be dismissed inasmuch as said extension has been made by prior order.

(5) That there is need for certain extensions to the Bagley-Pennsylvanian Pool, the Inbe Permo-Pennsylvanian Pool, the North Morton Permo-Pennsylvanian Pool, the Vacuum-Middle Pennsylvanian Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico, and the Chaveroc-San Andres Pool in Roosevelt County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM
Section 18: SE/4

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

TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM
Section 15: NE/4

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

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
Section 24: SE/4
Section 25: E/2
Section 26: NE/4
Section 35: N/2

TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPM
Section 30: SW/4

(d) That the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described,

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Order No. R-3505

is hereby extended to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM

Section 13: NE/4

Section 21: SE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM

Section 4: Lot 4 and W/2 SW/4

Section 5: Lots 1 and 2 and SE/4

Section 19: E/2

PROVIDED HOWEVER, that the following portion of the extension to the Inbe Permo-Pennsylvanian Pool, Lea County, New Mexico:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM

Section 25: All

Section 36: N/2 and SE/4

is hereby dismissed.

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

TOWNSHIP 14 SOUTH, RANGE 35 EAST, NMPM

Section 31: SW/4

(f) That the proposed extension to the Tulk-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, to include therein:

TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM

Section 26: NW/4

is hereby dismissed.

(g) That the Vacuum-Middle Pennsylvanian 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 11: SE/4

Section 14: E/2

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CASE No. 3861
Order No. R-3505

(h) 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 34 EAST, NMPM

Section 8: SW/4
Section 15: SW/4
Section 27: SW/4
Section 28: SE/4

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM

Section 12: All

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM

Section 19: N/2


IT IS FURTHER ORDERED:

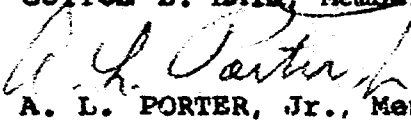
That the effective date of this order and all creations and extensions included herein shall be October 1, 1968.

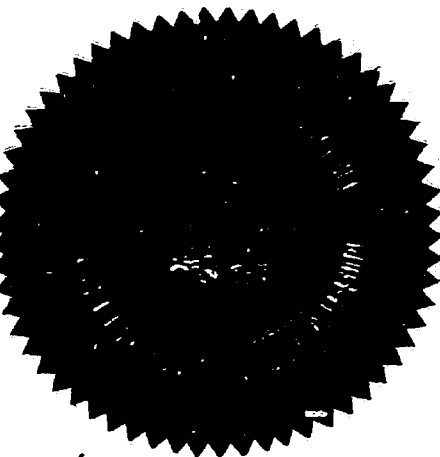
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


GUYTON B. HAYS, Member


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



ear/

file gms

Monsanto

I think we should go ahead w/ our proposed extension of Sec 25 & 36.

Monsanto Company
101 North Marientfeld
Midland, Texas 79701
(915) 683-3306

September 10, 1968

Mr. A. L. Porter
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Docket No. 27-68
9-18-68 Regular Hearing
Case 3861(d)

Dear Mr. Porter:

Reference is made to the subject Case 3861 whereby the Commission is requesting the extension of the Inbe Permo-Pennsylvanian Pool of Lea County to include all of Section 25 and the N/2 and SE/4 of Section 36-10S-33E, NMPM. It is also noticed Case 3861(h) contains a request for the extension of the Vada Pennsylvanian Pool to include the N/2 Section 19-10S-34E.

Monsanto Company is the operator of leases consisting of the SE/4 Section 25-10S-33E, N/2 and SE/4 of Section 30 and the SE/4 of Section 19-10S-34E. We have recently finished drilling the TUC State Well No. 1 in the NE/NE Section 30-10S-34E, and are presently in the process of completing the well from the Bough "C" formation. Our plans are to immediately develop the remaining leasehold interest for this Bough "C" reservoir.

It is requested that the Commission give consideration to include Section 25 and the N/2 Section 36-10S-33E in the Vada Pennsylvanian Pool instead of the Inbe Permo-Pennsylvanian Pool. It is also suggested that the Vada Pennsylvanian Pool be extended to include the S/2 of Section 19 and all of Section 30-10S-34E. This would require the East Inbe Pool, which presently contains one well, to be dissolved.

It is our contention this Bough "C" reservoir should be developed on 160-acre spacing to prevent the drilling of unnecessary wells. Present development to date on Section 25 and N/2 of Section 36-10S-33E has been on 160-acre spacing and Monsanto also intends to pursue development of its leasehold interests on 160-acre spacing in this area. Therefore, the extension of the Vada Pennsylvanian Pool to include these areas would be consistent with present development and should not result in any conflict of interest.

Monette

60 SEP 11 PM 12 55

Docket No. 27-68
9-18-68 Regular Hearing
Case 3861(d)

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September 10, 1968

The Commission's consideration of the above matters will be greatly appreciated.

Yours very truly,

MONSANTO COMPANY

A. W. Wood
A. W. Wood
District Production
Superintendent

PGA:bw
Encl.

cc: Mr. Joe D. Ramey w/encl.
Mr. Charles Koch, Major, Giebel & Forster

Region 03 District MIDLAND
State NEW MEXICO
County LEA
Field E. INBE & NE. LANE
Date 7-23-68 Scale 1" = 4000'

CASE 3861: Southeastern nomenclature case calling for an order for the creation and extension of certain pools in Lea and Roosevelt Counties, New Mexico.

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production and designated as the Midway-San Andres Pool. The discovery well is the Texaco, Inc., New Mexico "DG" State No. 1 located in Unit J of Section 18, Township 17 South, Range 37 East, NMPM. Said pool should comprise the following:

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM
SECTION 18: SE/4

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

TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM
SECTION 15: NE/4

(c) Extend the Chaveroo-San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
SECTION 24: SE/4

(d) Extend the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 21: SE/4
SECTION 25: All
SECTION 36: N/2 and SE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 5: Lots 1 and 2 and SE/4
SECTION 19: E/2

(e) Extend the North Morton Permo-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 35 EAST, NMPM
SECTION 31: SW/4

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

TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM
SECTION 26: NW/4

(g) Extend the Vacuum-Middle Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 34 EAST, NMPM
SECTION 14: SW/4
SECTION 14: 1/2

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
SECTION 8: SW/4
SECTION 15: SW/4
SECTION 27: SW/4
SECTION 28: SE/4

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 12: All

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM
SECTION 19: N/2

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

a) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for San Andres production and designated as the Midway-San Andres Pool. The discovery well is ^{the} Texaco, Inc., New Mexico "DG" State No. 1 located in Unit J of Section 18, Township 17 South, Range 37 East, NMPM. Said pool ~~should be described as:~~ *comprise the following:*

✓ TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM
SECTION 18: SE/4 ✓

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

✓ TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM
SECTION 15: NE/4 ✓

c) EXTEND the Chaveroo-San Andres Pool in Roosevelt County, New Mexico, to include therein: ✓

✓ TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
SECTION 24: SE/4 ✓

d) EXTEND the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, to include therein: ✓

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 21: SE/4 ✓
SECTION 25: All
SECTION 36: N/2 and SE/4

✓ TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 5: Lots 1 and 2 and SE/4
SECTION 19: E/2

e) EXTEND the North Morton Permo-Pennsylvanian Pool in Lea County, New Mexico, to include therein: ✓

✓ TOWNSHIP 14 SOUTH, RANGE 35 EAST, NMPM
SECTION 31: SW/4 ✓

f) EXTEND the Tulk-Pennsylvanian Pool in Lea County, New Mexico, to include therein: ✓

✓ TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM
SECTION 26: NW/4 ✓

g) EXTEND the Vacuum-Middle Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM ✓
SECTION 11: SE/4
SECTION 14: E/2

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
SECTION 8: SW/4
✓ SECTION 15: SW/4
SECTION 27: SW/4
SECTION 28: SE/4 ✓

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM

~~SECTION 12: All~~ Section 12: All
~~SECTION 13: SE/4~~

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM
SECTION 19: N/2

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
September 18, 1968

REGULAR HEARING

IN THE MATTER OF:

Southeastern nomenclature case calling
for an order for the creation and
extension of certain pools in Lea and
Roosevelt Counties, New Mexico.

MAIN OFFICE OCC
Case 3861
'68 OCT 31 AM 8 25

BEFORE: A. L. PORTER, JR.
Examiner

TRANSCRIPT OF HEARING

MR. PORTER: Mr. Ramey, are you prepared to go ahead with the Southeast nomenclature case at this time?

MR. RAMEY: Yes, I am.

MR. PORTER: Will you take the stand, please?

MR. HATCH: Case 3861. Southeastern nomenclature case calling for an order for the creation and extension of certain pools in Lea and Roosevelt Counties, New Mexico.

(Witness sworn.)

(Whereupon, Commission Exhibit Number 1 marked for identification.)

JOE D. RAMEY

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

DIRECT EXAMINATION

BY MR. HATCH:

Q Will you state your name and position for the record?

A Joe D. Ramey, Supervisor of the Commission's District 1.

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

A Yes, sir, I am.

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

A Yes, sir. It is labeled Southeast New Mexico

Nomenclature Exhibit 1, Paragraphs A through H.

Q Please refer to Exhibit 1 and to the docket that has been prepared previously and point out any substantial differences between the two and corrections that need to be made.

A I have additions in Paragraph C. They are as follows:
In Township 7 South, Range 32 East, Section 25, the East Half;
Section 26, the Northeast Quarter; Section 35, the North Half.

In Township 7 South, Range 33 East, Section 30, Southwest Quarter.

In Paragraph D, under 10 South, 33 East, I want to dismiss that portion which covers Section 25 and Section 36. Those are dismissed pending further study.

I have an addition in Township 10 South, Range 33 East, Section 13, the Northeast Quarter, and an addition in Township 11 South, Range 34 East, Section 4, Lot Four and the West Half of the Southwest Quarter.

Paragraph F will be dismissed since special pool rules and the creation covering, or an extension covering this portion was covered by Commission Order R-350'.

The remainder is as advertised on the docket.

Q And do you recommend to the Commission the subject pools be created and extended as advertised and as corrected in this hearing?

A Yes, sir, I do.

Q Was Exhibit Number 1 prepared by you or under your supervision?

A Yes, it was.

MR. HATCH: I'd like to ask the Commission to dismiss that part of sections in Paragraph D as recommended by Mr. Ramey and to dismiss Paragraph F.

MR. PORTER: Are there any objections to the Counsel's motion for dismissal for those portions of this case? They will be dismissed.

Did you request the Commission to admit the exhibit?

MR. HATCH: Yes.

MR. PORTER: If there are no objections, the exhibit will be admitted.

(Whereupon, Commission Exhibit Number 1 was admitted in evidence.)

MR. PORTER: Does anyone have any questions concerning any portion of this case? The witness may be excused. If there's nothing to be offered in this case, we'll take it under advisement.

I N D E X

WITNESS

PAGE

JOE D. RAMEY

Direct Examination by Mr. Hatch

2

E X H I B I T

<u>Number</u>	<u>Marked for Identification</u>	<u>Received in Evidence</u>
Commission Exhibit Number 1	2	4

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

I, CHARLOTTE MACIAS, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Witness my Hand and Seal this 25th day of October, 1968.


Notary Public

My Commission Expires:

February 10, 1971.

COUNTY LEA POOL MIDWAY-SAN ANDRES

TOWNSHIP 17 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: One completed oil well capable of producing.

TEXACO, INC. - New Mexico "DC" State #1 in Unit J of Section 18-17-37.

Completed in San Andres on July 24, 1968. Top of Perforations 5053'.

Proposed pool boundary colored in red. SECTION 18: SE/4

CASE 3861: (b) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL BAGLEY-PENNSYLVANIAN

TOWNSHIP 12 South RANGE 33 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

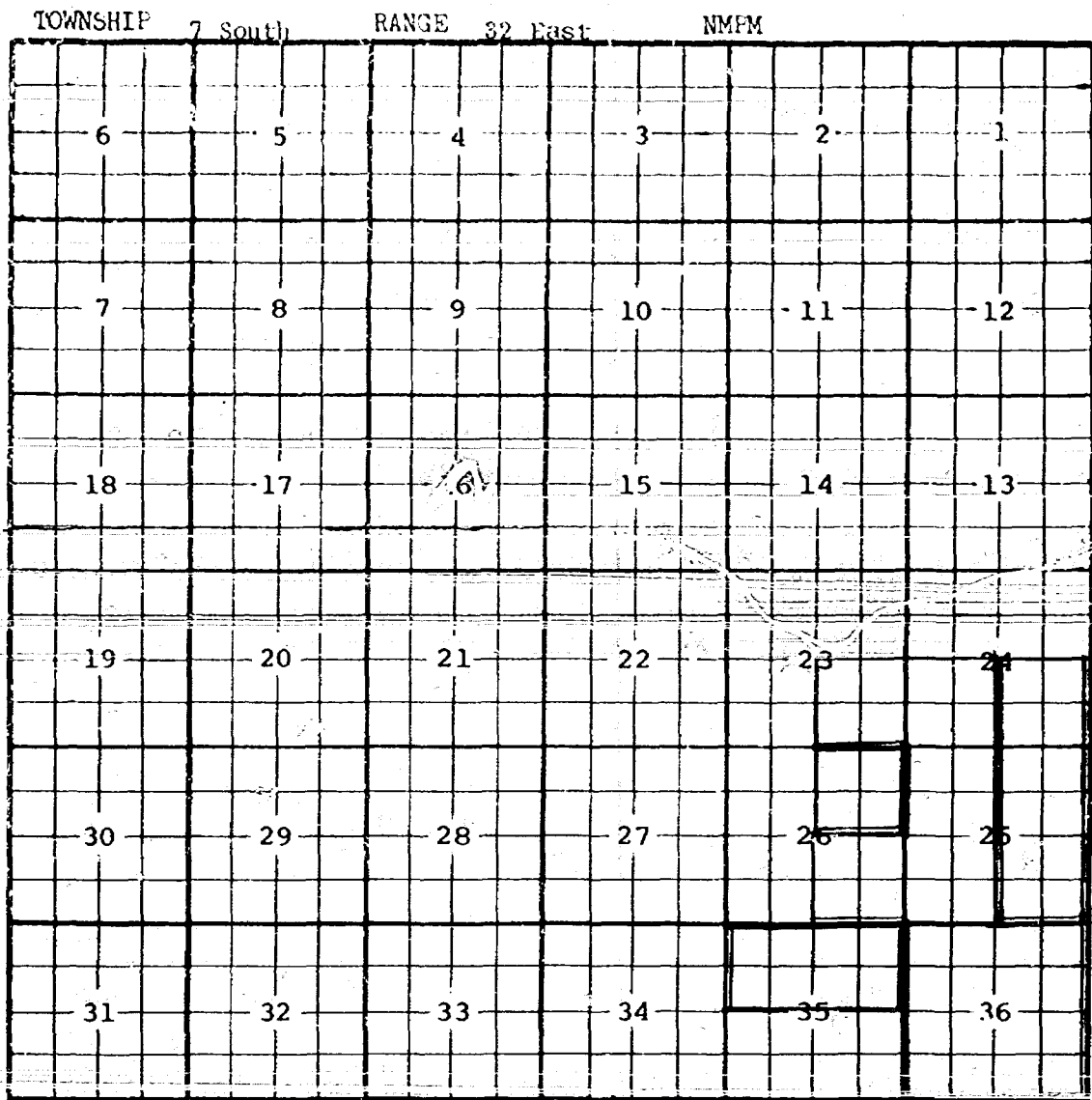
PURPOSE: One completed oil well capable of producing.

CHARLES B. READ - Natural #1 in Unit B of Section 15-12-33. Completed in Pennsylvanian on June 1, 1968. Top of Perforations 8730'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 15: NE/4

COUNTY ROOSEVELT POOL CHAVERCOO-SAN ANDRES



PURPOSE: One completed oil well capable or producing.

SECO PRODUCTION COMPANY - Federal "A" #2 in Unit P of Section 24-7-32.

Completed in San Andres on June 28, 1968. Top of Perforations 4118'.

ADDITION--TAYLOR PRUITT - Humble Federal #6 in Unit A of Section 26-7-32.

Completed in San Andres on August 11, 1968. Top of Perforations 4080'.

ADDITION--SOUTHWESTERN NATURAL GAS, INC. - Shell "35" Federal #1 in Unit

E of Section 35-7-32. Completed in San Andres on July 24, 1968. Top of Perforations 4194'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 24: SE/4

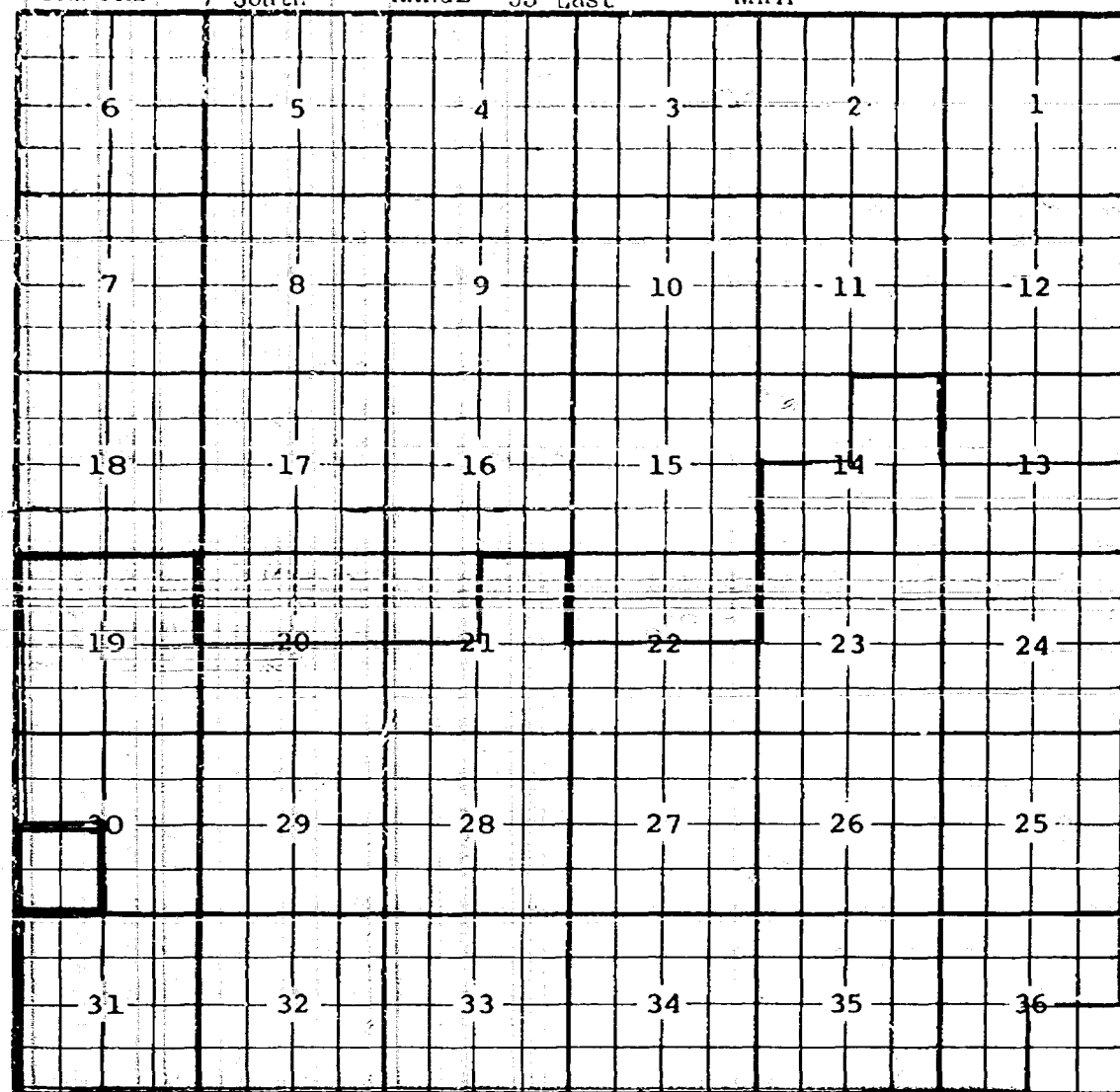
ADDITIONS-----SECTION 25: E/2

SECTION 26: NE/4

SECTION 35: N/2

COUNTY ROOSEVELT POOL CHAVEROO-SAN ANDRES

TOWNSHIP 7 South RANGE 33 East NMFM



PURPOSE: AS STATED ON PRECEDING PAGE, PARAGRAPH (C), UNIT N.

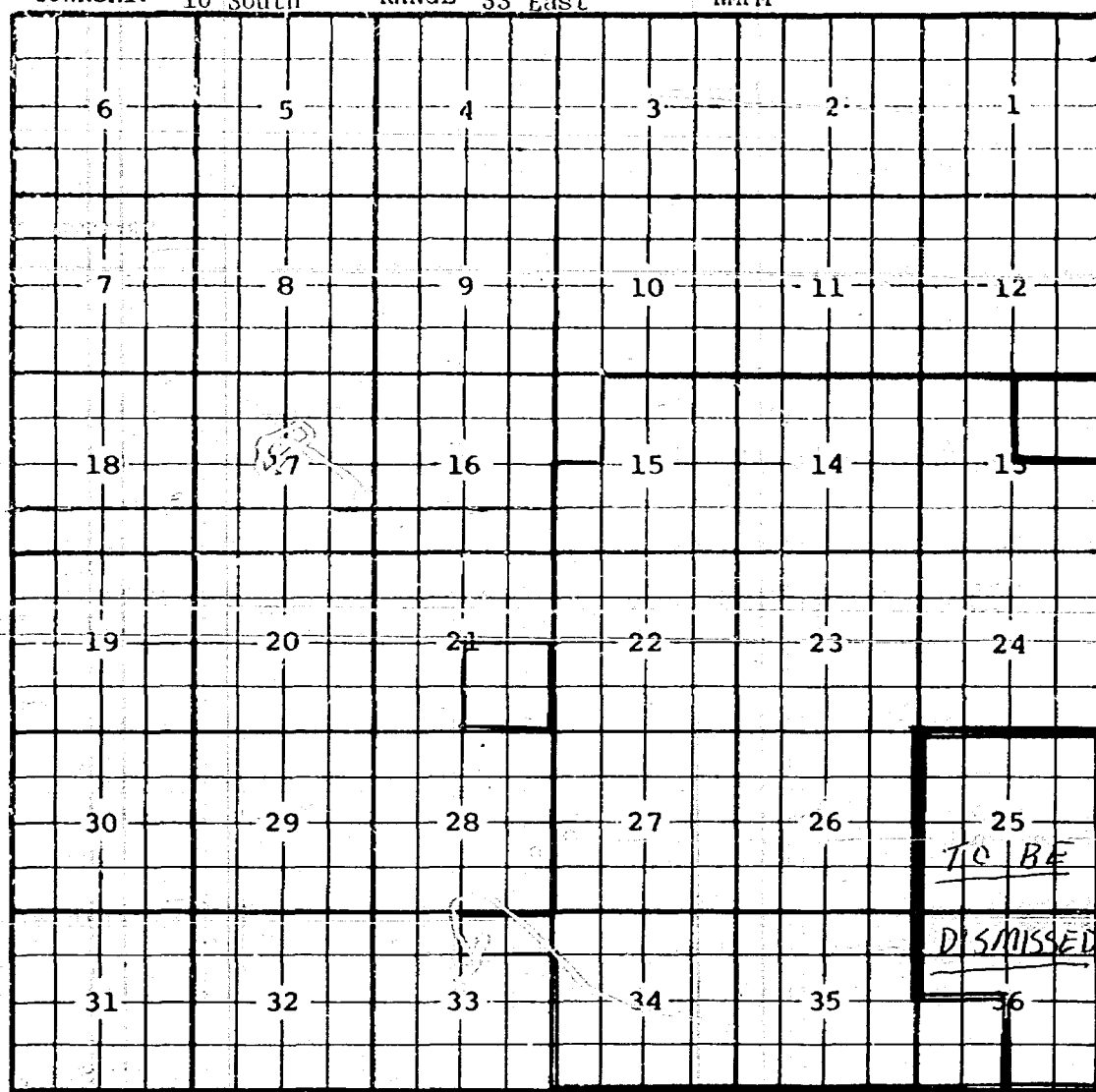
ADDITION- WESTERN STATES PRODUCING COMPANY - State "30" #1 in Unit N of Section 30-7-33. Completed in San Andres on September 1, 1968. Top of Perforations 4186'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 30: SW/4

COUNTY LEA POOL INBE PERMO-PENNSYLVANIAN

TOWNSHIP 10 South RANGE 33 East NMFM



PURPOSE: Nine completed oil wells capable of producing. (Wells listed on attached sheet.)

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 21: SE/4

THIS PORTION IS (SECTION 25: All)

TO BE DISMISSED (SECTION 36: N/2 and SE/4)

ADDITION-----SECTION 13: NE/4

COUNTY	LEA	POOL	INBE PERMO-PENNSYLVANIAN	
TOWNSHIP	10 South	RANGE	33 East	NMM

CAYMAN CORPORATION - Murphy State #2A in Unit I of Section 21-10-33. Completed in Pennsylvanian on June 7, 1968. Top of Perforations 9542'.

H. C. HOOD - T. P. State #1 in Unit D of Section 25-10-33. Completed in Permo Pennsylvanian on June 23, 1968. Top of Perforations 9878'.

MEADCO PROPERTIES, LTD. - State 25 #1 in Unit K of Section 25-10-33. Completed in Pennsylvanian on June 29, 1968. Top of Perforations 9933'.

UNION TEXAS PETROLEUM CORPORATION - State "25" #1 in Unit G of Section 25-10-33. Completed in Pennsylvanian on August 31, 1968. Top of Perforations 9917'.

MAJOR, GIEBEL & FORSTER - T. P. State #1 in Unit O of Section 36-10-33. Completed in Bough "C" on August 14, 1968. Top of Perforations 9931'.

MCGRATH & SMITH, INC. - State 36 #2 in Unit J of Section 36-10-33. Completed in Permo Pennsylvanian on June 27, 1968. Top of Perforations 9920'.

MIDWEST OIL CORPORATION - New Mexico "Q" State #1 in Unit D of Section 36-10-33. Completed in Bough C on July 23, 1968. Top of Perforations 9899'.

COUNTY LEA POOL NORTH MORTON PERMO-PENNSYLVANIAN

TOWNSHIP 14 South RANGE 35 East NMIM

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 oil well capable of producing.

TENNECO OIL COMPANY - Maxwell #2 in Unit K of Section 31-14-35. Completed in Wolfcamp on July 10, 1968. Top of Perforations 10,446'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 31: SW/4

COUNTY LEA

POOL TULK-PENNSYLVANIAN

TOWNSHIP

14 South

RANGE

32 East

NMF

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 oil well capable of producing.

COASTAL STATES GAS PRODUCING COMPANY - State "26" #1 in Unit D of Section 26-14-32. Completed in Pennsylvanian on August 1, 1968. Top of Pennsylvanian 9830'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 26: NW/4

Wier

CASE 3861: (g) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL VACUUM-MIDDLE PENNSYLVANIAN

TOWNSHIP 17 South RANGE 34 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: One completed oil well capable of producing.

MOBIL OIL CORPORATION - Bridges State #126 in Unit J of Section 11-17-34.
Completed in Middle Pennsylvanian on June 19, 1968. Top of Perforations
10,549'.

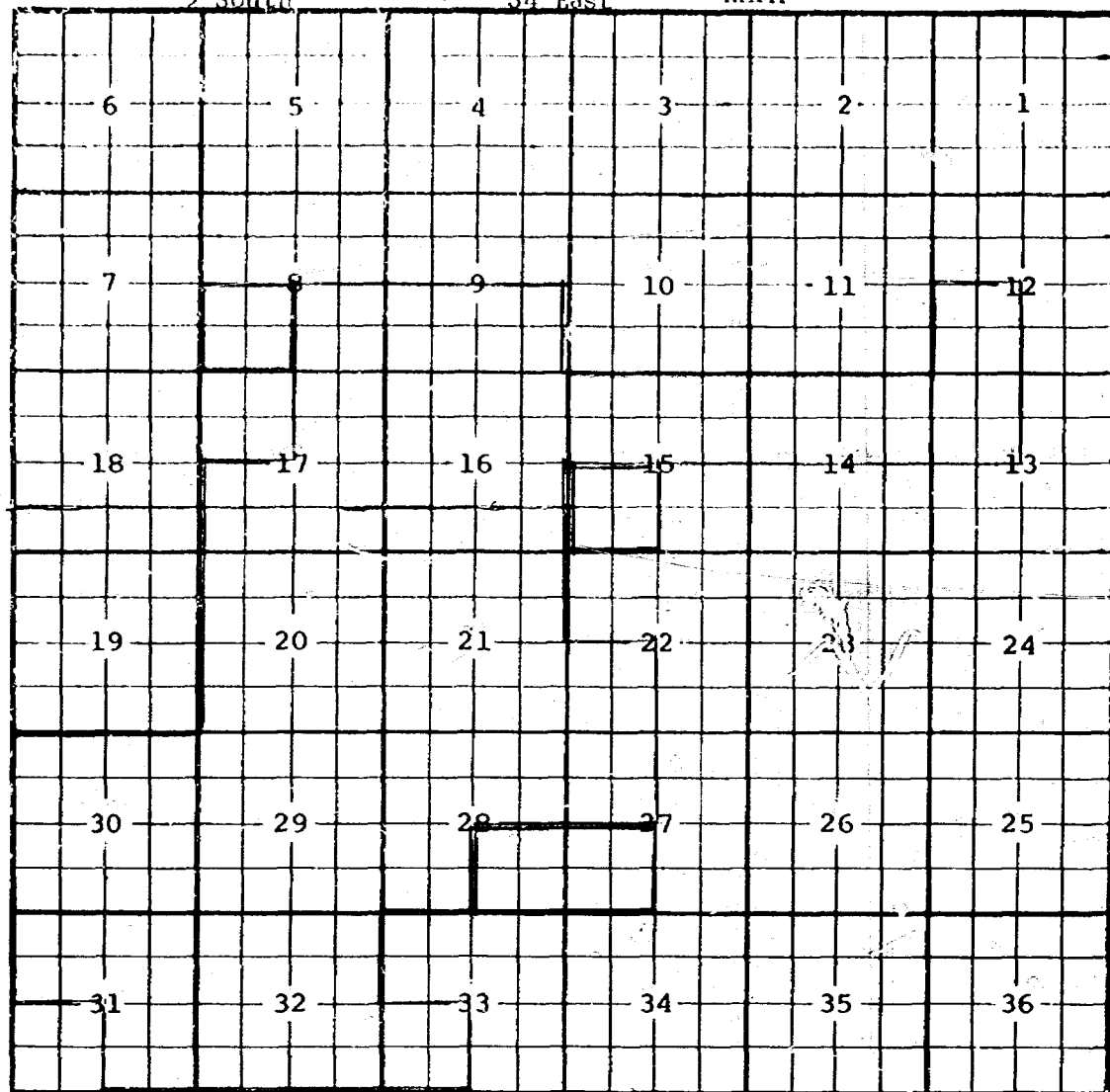
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 11: SE/4

SECTION 14: E/2

COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP 9 South RANGE 34 East NMFM



PURPOSE: Six completed oil wells capable of producing.

SKELLY OIL COMPANY - Vada Pruitt #1 in Unit M of Section 15-9-34. Completed in Pennsylvanian on July 28, 1968. Top of Perforations 9790'.

K. K. AMINI - Hutcherson "A" #1 in Unit M of Section 27-9-34. Completed in Bough C on July 18, 1968. Top of Perforations 9848'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 8: SW/4

SECTION 15: SW/4

SECTION 27: SW/4

SECTION 28: SE/4

COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP 10 South RANGE 33 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: As stated on preceding page, paragraph (h), Exhibit I.

UNION OIL COMPANY OF CALIFORNIA - State "12" #1 in Unit M of Section 12-10-33. Completed in Permo Pennsylvanian on July 26, 1968. Top of Perforations 9712'.

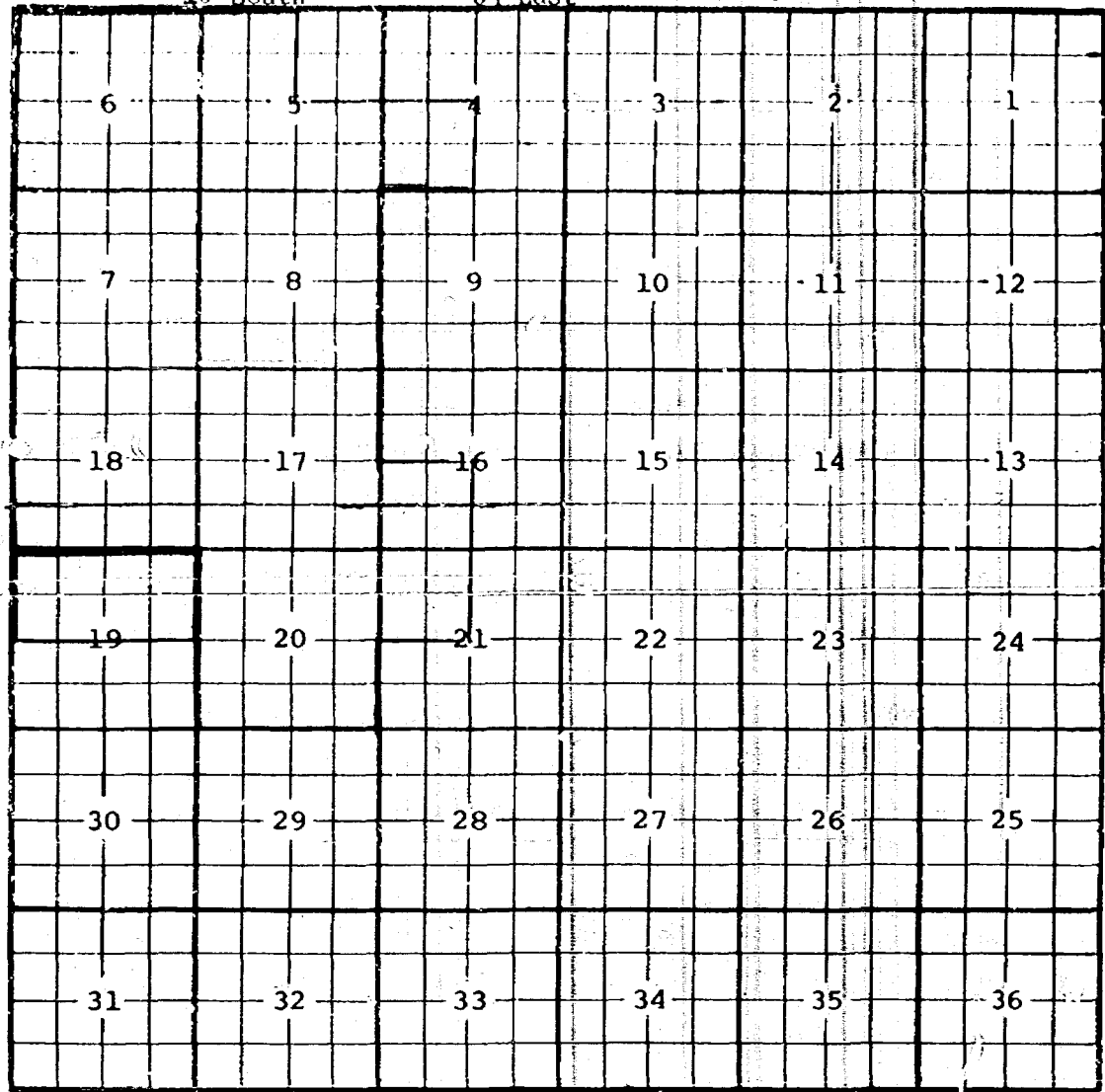
UNION OIL COMPANY OF CALIFORNIA - State "12" #3 in Unit O of Section 12-10-33. Completed in Permo Pennsylvanian on August 26, 1968. Top of Perforations 9775'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 12: All

COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP 10 South RANGE 34 East N/2



PURPOSE: As stated on preceding page, paragraph (h), Exhibit

JOSEPH I. O'NEILL, JR. - O'Neill "M" State #1 in Unit A of Section 19-10-34. Completed in Pennsylvanian on August 7, 1968. Top of Perforations 9911'.

SUN OIL COMPANY - New Mexico "M" State #1 in Unit D of Section 19-10-34. Completed in Bough "C" on July 19, 1968. Top of Perforations 9897'. Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 19: N/2