

CASE 3503:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

426

CASE No.

3503

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

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. 3503
Order No. R-3166

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 16, 1966, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 22nd day of December, 1966, 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 Bough C zone of the Pennsylvanian formation, said pool to bear the designation Vada-Pennsylvanian Pool. Further, that the discovery well for said pool, the Midwest Oil Corporation Vada Lee Pruitt No. 1, located in Unit C of Section 20, Township 9 South, Range 34 East, NMPM, is entitled to and should receive a bonus discovery oil allowable in the amount of 48,960 barrels, to be assigned over a two-year period. The top of the perforations in said well is 9792 feet.

-2-

CASE No. 3503

Order No. R-3166

(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 Bone Springs formation, said pool to bear the designation of Midway-Bone Springs Pool. Said Midway-Bone Springs Pool was discovered by Sunray DX Oil Company New Mexico EE State No. 1, located in Unit H of Section 13, Township 17 South, Range 36 East, NMPM. It was completed in Bone Springs on October 30, 1966. The top of perforations is 9352 feet.

(4) That the proposed creation of a new pool in Section 25, Township 11 South, Range 32 East, NMPM, Lea County, New Mexico, for the production of oil from the Lower Wolfcamp formation should be dismissed inasmuch as the discovery well has been recompleted in another formation.

(5) That the proposed contraction of the vertical limits of the Moore-Wolfcamp Gas Pool in Lea County, New Mexico, should be dismissed pending further study.

(6) That there is need for certain extensions to the Cato-San Andres Pool in Chaves County, New Mexico, the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, the North Bagley-Wolfcamp Pool, the Blinebry Gas Pool, the Langlie-Mattix Pool, the Vacuum-Glorieta Pool, and the Vacuum-Wolfcamp Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
Section 20: NW/4

That the discovery well for said pool, the Midwest Oil Corporation Vada Lee Pruitt Well No. 1, located in Unit C of Section 20, Township 9 South, Range 34 East, NMPM, is hereby authorized an oil discovery allowable of 48,960 barrels to be assigned to said well at the rate of 67 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

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

-3-

CASE No. 3503

Order No. R-3166

designated as the Midway-Bone Springs Pool, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM

Section 13: NE/4

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

TOWNSHIP 11 SOUTH, RANGE 32 EAST, NMPM

Section 25: NW/4

is hereby dismissed.

(d) That the proposed contraction of the vertical limits of the Moore-Wolfcamp Gas Pool in Lea County, New Mexico, is hereby dismissed.

(e) That the North Bagley-Wolfcamp 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 14: SE/4

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

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 8: SE/4

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

TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM

Section 2: SW/4

Section 3: SE/4

Section 10: SW/4

Section 11: SE/4

Section 12: SW/4

Section 13: NW/4

Section 14: NW/4

Section 15: N/2

-4-

CASE No. 3503
Order No. R-3166

(h) That the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPM

Section 14: E/2
Section 21: SE/4
Section 23: NW/4

TOWNSHIP 7 SOUTH, RANGE 34 EAST, NMPM

Section 18: SE/4
Section 29: NW/4
Section 30: S/2

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM

Section 3: SE/4
Section 6: SW/4

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

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM

Section 3: SW/4

(j) That the Vacuum-Glorieta 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 24: NW/4

(k) That the Vacuum-Wolfcamp 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 23: SE/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations and extensions included herein shall be January 1, 1967.


-5-
CASE No. 3503
Order No. R-3166

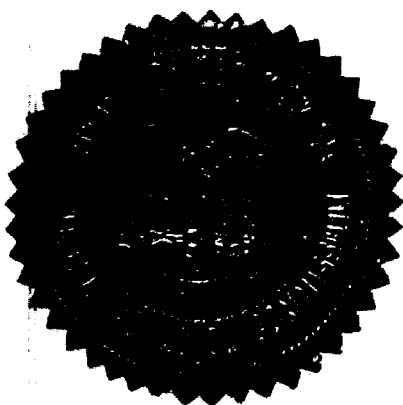
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JACK M. CAMPBELL, Chairman


GUYTON B. HAYS, Member


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



esr/

MIDWEST OIL CORPORATION

1500 WILCO BUILDING

MIDLAND, TEXAS

October 26, 1966

GENERAL OFFICES
1700 BROADWAY
DENVER 2, COLORADO

DIVISION OFFICE
1200 CONTINENTAL NATIONAL
BANK BUILDING
FORT WORTH 2, TEXAS

To: Mr. Nutter:

I assume you will issue
an order for this. As for as we are
concerned, it is a discovery

Oil Conservation Commission
P.O. Box 1980
Hobbs, New Mexico

JLR

Re: Vada Lee Pruitt, Sec.
20, T-9-s, R-34-E, Lea
County, New Mexico.

Gentlemen:

We hereby certify the below listed operators have been
furnished a copy of "Application of Discovery Allowable" (Form C-
109) on the above captioned discovery well.

Ralph Lowe Estate
Cabot Carbon Company
Union Oil of California
C.B. Read

Yours very truly,

MIDWEST OIL CORPORATION

Norma Estus

Norma Estus
Production Clerk

NE/gp

Enclosure

Robert H. H. H.
12-2-66

g

**NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL**

NOTE: This form is to be filed and attachments made in accordance with the provisions of Rule 509.
If discovery is claimed for more than one zone, separate forms must be filed for each.

| | | | |
|--|--------------------|--|--|
| Operator Midwest Oil Corporation | | Address 1500 Wilco Building, Midland, Texas | |
| Lease Name Vada Lee Pruitt | | Well No. 1 | County Lea |
| Well Location Unit Letter C ; 660 Feet from The N Line and 1980 Feet From the W Line of Section 20 , Township 9-S , Range 34-E , NMPM | | | |
| Suggested Pool Names (List in order of preference) 1. Wil-Mac 2. Del Medio Qesta 3. Vada | | | |
| Name of Producing Formation Pennsylvanian | | Perforations 9792-9800 | Date of Filing Form C-104 10-19-66 |
| Was "Affidavit of Discovery" Previously Filed For This Well in this Pool? No | | If Yes, Give Date of Filing 8-16-66 | Date Well was Spudded 10-9-66 |
| Total Depth 9970 | Plugged Back Depth | Depth Casing Shoe 9970 | Tubing Depth 9776 |
| | | Elevation (Gr., DF, RKB, RT, etc.) 4288.5 GL | |
| Oil Well Potential (Test to be taken only after all load oil has been recovered) 234 Bbls, Oil Per Day Based On 234 Bbls In 24 Hours; 567 Bbls Water Per Day Based On 567 Bbls In 24 Hours; Gas Production During Test: 264 MCF; Gas-Oil Ratio: 1130 Method Of Producing: Pump Chk. Size: -- | | | |

NEAREST PRODUCTION TO THIS DISCOVERY (Includes past and present oil or gas producing areas and zones whether this discovery is based on horizontal or vertical separation):

| | | | | |
|--|---|---|------------------------------|------------------------------------|
| Pool Name Flying M Abo | Name of Producing Formation Abo | Top of Pay 8778 | Bottom of Pay 8798 | Currently Producing? Yes |
| Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool 2½ Miles West | | Vertical Distance from Subject Discovery Zone to Producing Interval this Pool 1000' | | |

NEAREST COMPARABLE PRODUCTION (Includes past and present oil or gas production from this pay or formation only):

| | | | |
|--|---------------------------|------------------------------|------------------------------------|
| Pool Name Jenkins Wolfcamp | Top of Pay 9604 | Bottom of Pay 9614 | Currently Producing? Yes |
| Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool 3½ miles northeast | | | |

| | |
|---|--|
| Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? No | If Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County |
|---|--|

| | | |
|---|--|----------------------------------|
| Is the Subject Well Multiple Completion? No | Is Discovery Allowable Requested for other Zone(s)? No | If Yes, Name all Such Formations |
|---|--|----------------------------------|

LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

| NAME | ADDRESS |
|--------------------------------|---|
| Ralph Lowe Estate | P.O. Box 832, Midland, Texas |
| Cabot Carbon Company | P.O. Box 4395, Midland, Texas |
| Union Oil of California | Union Oil Bldg. Midland, Texas |
| C.B. Read | P.O. Box 1822, Roswell, New Mexico |
| | |
| | |
| | |

Attach evidence that all of the above operators have been furnished a copy of this application. Any of said operators who intends to object to the designation of the subject well as a discovery well, eligible to receive a discovery allowable, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing within ten days after receiving a copy of this application.

Remarks:

CERTIFICATION

I hereby certify that all rules and regulations of the New Mexico Oil Conservation Commission have been complied with, with respect to the subject well, and that it is my opinion that a bona fide discovery of a hitherto unknown common source of oil supply has been made in said well. I further certify that the discovery allowable for the subject well, if authorized, will be produced from the subject zone in this well only. Further, that the information given herein and attached hereto is true and complete to the best of my knowledge and belief.

Docket No. 32-66

DOCKET: REGULAR HEARING - FRIDAY - DECEMBER 16, 1966

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

- ALLOWABLE: (1) Consideration of the oil allowable for January, 1967;
- (2) Consideration of the allowable production of gas for January, 1967 from thirteen prorated pools in Lea, Eddy, and Roosevelt Counties. Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico for January, 1967. Presentation of purchaser's nominations for the six-month period beginning February 1, 1967, for that area.

CASE 3473: (De Novo)

Application of Len Mayer for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the NE/4 SE/4 of Section 1, Township 8 South, Range 30 East, Chaves County, New Mexico. Upon application of Pan American Petroleum Corporation, this case will be heard De Novo under the provisions of Rule 1220.

CASE 3454 (De Novo)

Application of Yates Petroleum Corporation for pool consolidation and extension, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the consolidation of Four Mile-San Andres Pool and the Penasco-San Andres Pool, Eddy County, New Mexico, into one pool, and for vertical extension of said pool to include both the San Andres and Yeso formations.

Upon the request of Yates Petroleum Corporation, and pursuant to the provisions of Rule 1220, Case No. 3454 will be heard De Novo to consider modification of Order No. R-3140 to delete any express or implied requirement that more than one single string of casing be set at the top of the pay for wells in the Penasco Draw San Andres-Yeso Pool.

CASE 3502: Application of Yates Petroleum Corporation for special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the drilling, casing, cementing, and plugging of all wells drilled to and completed in the Eagle Creek-San Andres and the Penasco Draw San Andres-Yeso Pools, located within the horizontal limits of the Roswell Artesian (underground water) Basin, Eddy County, New Mexico.

-2- December, 1966 Regular Hearing

CASE 3503: Southeastern New Mexico nomenclature case calling for an order for the creation of one pool and the assignment of an oil discovery allowable therein, and the creation, contraction, and extension of certain other pools in Lea, Chaves, and Roosevelt Counties, New Mexico:

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production and designated the Vada-Pennsylvanian Pool, comprising the following-described acreage:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
SECTION 20: NW/4

Further, for the assignment of approximately 48,960 barrels of oil discovery allowable to the discovery well, Midwest Oil Corporation's Vada Lee Pruitt Well No. 1, located in Unit C of said Section 20.

(b) Create a new pool in Lea County classified as an oil pool for Bone Springs production and designated as the Midway-Bone Springs Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 13: NE/4

(c) Create a new pool in Lea County classified as an oil pool for Lower Wolfcamp production and designated as the Moore-Lower Wolfcamp Pool, and described as:

TOWNSHIP 11 SOUTH, RANGE 32 EAST, NMPM
SECTION 25: NW/4

(d) Contract the vertical limits of the Moore-Wolfcamp Gas Pool in Lea County, New Mexico, with special vertical limits defined as being from the top of Wolfcamp at 8080 feet to shale break at 8278 feet as in Texaco, Inc., J. H. Moore No. 4, located in Unit C of Section 25, Township 11 South, Range 32 East, NMPM. Redesignate said pool as Moore-Upper Wolfcamp Gas Pool.

(e) Extend the North Bagley-Wolfcamp Pool in Lea County to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 14: SE/4

(f) Extend the Blinebry Gas Pool in Lea County to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 8: SE/4

-3- December, 1966 Regular Hearing

(g) Extend the Cato-San Andres Pool in Chaves County to include therein:

TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM

SECTION 3: SE/4

SECTION 11: SE/4

SECTION 12: SW/4

SECTION 13: NW/4

(h) Extend the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties to include therein:

TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPM

SECTION 14: E/2

SECTION 23: NW/4

TOWNSHIP 7 SOUTH, RANGE 34 EAST, NMPM

SECTION 18: SE/4

SECTION 29: NW/4

SECTION 30: S/2

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM

SECTION 6: SW/4

(i) Extend the Langlie-Mattix Pool in Lea County to include therein:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM

SECTION 3: SW/4

(j) Extend the Vacuum-Glorieta Pool in Lea County to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

SECTION 24: NW/4

(k) Extend the Vacuum-Wolfcamp Pool in Lea County to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

SECTION 23: SE/4

CASE 3504: Northwestern New Mexico nomenclature case calling for an order extending existing pools in Rio Arriba, Sandoval, and San Juan Counties, New Mexico.

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

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM

SECTION 7: All of partial section

SECTION 16: NW/4

-4- December, 1966 Regular Hearing

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM
SECTION 31: NW/4

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM
SECTION 20: SE/4
SECTION 28: W/2
SECTION 29: A11
SECTION 33: E/2
SECTION 34: W/2

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM
SECTION 32: NW/4

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

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM
SECTION 7: N/2

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM
SECTION 12: E/2 & SW/4
SECTION 13: A11
SECTION 14: A11
SECTION 21: E/2
SECTION 22: E/2 & SW/4
SECTION 23: A11
SECTION 24: A11
SECTION 26: A11
SECTION 27: W/2 & NE/4

TOWNSHIP 30 NORTH, RANGE 8 WEST, NMPM
SECTION 31: E/2

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM
SECTION 5: A11
SECTION 6: E/2
SECTION 7: E/2
SECTION 8: A11
SECTION 13: SW/4
SECTION 14: S/2
SECTION 17: A11
SECTION 18: E/2
SECTION 19: A11
SECTION 20: N/2
SECTION 23: A11
SECTION 26: NE/4
SECTION 27: W/2 & NE/4

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM
SECTION 24: E/2

-5- December, 1966 Regular Hearing

(c) Extend the South Blanco-Pictured Cliff Pool to include therein:

TOWNSHIP 23 NORTH, RANGE 2 WEST, NMPM
SECTION 22: NW/4

TOWNSHIP 25 NORTH, RANGE 6 WEST, NMPM
SECTION 25: N/2 & SW/4

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM
SECTION 6: E/2

(d) Extend the Blanco-Mesaverde Pool to include therein:

TOWNSHIP 26 NORTH, RANGE 9 WEST, NMPM
SECTION 2: E/2

TOWNSHIP 27 NORTH, RANGE 8 WEST, NMPM
SECTION 34: All

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM
SECTION 34: N/2
SECTION 35: All

(e) Extend the Mesa-Gallup Oil Pool to include therein:

TOWNSHIP 32 NORTH, RANGE 17 WEST, NMPM
SECTION 30: W/2 NW/4

TOWNSHIP 32 NORTH, RANGE 18 WEST, NMPM
SECTION 25: NE/4 NE/4

(f) Extend the South Blanco-Tocito Oil Pool to include therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM
SECTION 21: N/2

(g) Extend the Table Mesa-Pennsylvanian "C" Oil Pool to include therein:

TOWNSHIP 28 NORTH, RANGE 17 WEST, NMPM
SECTION 27: SE/4 SW/4 & SW/4 SE/4
SECTION 33: NE/4
SECTION 34: NW/4

(h) Extend the Tocito Dome-Pennsylvanian "D" Oil Pool to include therein:

TOWNSHIP 26 NORTH, RANGE 18 WEST, NMPM
SECTION 9: SW/4

MIDWEST OIL CORPORATION

1500 WILCO BUILDING

MIDLAND, TEXAS

GENERAL OFFICES
1700 BROADWAY
DENVER 2, COLORADO

November 16, 1966

DIVISION OFFICE
1200 CONTINENTAL NATIONAL
BANK BUILDING
FORT WORTH 2, TEXAS

Mr. Dan Nutter
Chief Engineer
State Land Office Bldg.
Santa Fe, New Mexico

Dear Mr. Nutter:

In re: Discovery Allowable
for Midwest Oil Corp.
Vada Lee Pruitt No. 1
Sec. 20, T-9-S, R-34-E
LEA COUNTY, NEW MEXICO

In compliance with Order No. R-3105 you will find enclosed two (2) copies of a map depicting all wells within a two mile radius of our Vada Lee Pruitt No. 1, two (2) copies of a structure map of the area and two (2) copies of the original and only Bottom Hole Pressure taken on the well. Previous to this you were sent two (2) copies of form C-109, two (2) copies of the electric log taken on the well and a letter of certification dated October 26, 1966 showing that all off-set operators had been furnished copies of form C-109.

We trust that the data being sent to you will complete your requirements and hope that this well can be brought on for hearing as a new discovery.

Thank you for your consideration.

Yours very truly,

MIDWEST OIL CORPORATION

C. F. Qualia

C. F. Qualia
District Prod. Supt.

CFQ/raj

Mr. Dan Nutter

- 2 -

November 16, 1966

cc: Mr. Joe Ramey
Dist. Supervisor
New Mexico Oil Conservation Commission
Box 1980
Hobbs, New Mexico

Attchs: Mr. Joe Ramey

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 vertical limits of an existing pool in Lea County, New Mexico, and the extension of certain existing pools in Chaves, 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, contraction of vertical limits, and extensions should not be made.

- (b) 1) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Bone Springs production and designated as the Midway-Bone Springs Pool. The discovery well is Sunray Oil Company, New Mexico EE State No. 1, located in Unit H of Section 13, Township 17 South, Range 36 East, NMPM. Said pool described as:

✓ TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 13: NE/4

- c 2) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Lower Wolfcamp production and designated as the Moore-Lower Wolfcamp Pool. The discovery well is Texaco, Inc., J. H. Moore No. 4, located in Unit C of Section 25, Township 11 South, Range 32 East, NMPM, with special vertical limits defined as being from the shale break at 8278 feet to top of Pennsylvanian at 8730 feet as in Texaco, Inc., J. H. Moore No. 4, located in Unit C of Section 25, Township 11 South, Range 32 East, NMPM. Said pool described as:

✓ TOWNSHIP 11 SOUTH, RANGE 32 EAST, NMPM
SECTION 25: NW/4

- (a) 3) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Bough C production and designated as the Vada-Pennsylvanian Pool. The discovery well is Midwest Oil Corporation, Vada Lee Pruitt No. 1, located in Unit C of Section 20, Township 9 South, Range 34 East, NMPM. Said pool described as:

✓ TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
SECTION 20: NW/4

- d) ✓ CONTRACT the vertical limits of the Moore-Wolfcamp Gas Pool in Lea County, New Mexico, with special vertical limits defined as being from the top of Wolfcamp at 3080 feet to shale break at 8278 feet as in Texaco, Inc., J. H. Moore No. 4, located in Unit C of Section 25, Township 11 South, Range 32 East, NMPM. Redesignate said pool as Moore-Upper Wolfcamp Gas Pool.

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

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 14: SE/4

December, 1955. Non-clerical

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

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPN
SECTION 8: SE/4

- g) EXTEND the Gato-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPN
SECTION 3: SE/4
SECTION 11: SE/4
SECTION 12: SW/4
SECTION 13: NW/4

- h) EXTEND the Chaveros-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPN
SECTION 14: S/2
SECTION 23: NW/4

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPN
SECTION 18: SE/4
SECTION 29: NW/4
SECTION 30: S/2

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPN
SECTION 3: SW/4

- i) EXTEND the Langlie Mattix Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPN
SECTION 3: SW/4

- j) EXTEND the Vacuum-Glorieta Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPN
SECTION 24: NW/4

- k) EXTEND the Vacuum-Walcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPN
SECTION 23: SE/4

dearnley-meier reporting service inc

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

1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-4591 • ALBUQUERQUE, NEW MEXICO



Page 1

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
December 16, 1966

REGULAR HEARING

IN THE MATTER OF:

Southeastern New Mexico
nomenclature case calling for an
order for the creation of one pool
and the assignment of an oil discovery
allowable therein, and the creation,
contraction, and extension of certain
other pools in Lea, Chaves, and Roose-
velt Counties, New Mexico.

Case No. 3503

BEFORE: A. L. PORTER, Examiner

TRANSCRIPT OF HEARING

MR. PORTER: The Commission will take up next the nomenclature case for Southeastern New Mexico, No. 3503.

Let the record show that Mr. Nutter was sworn in a previous case.

MR. HATCH: Case 3503. Southeastern New Mexico nomenclature case calling for an order for the creation of one pool and the assignment of an oil discovery allowable therein, and the creation, contraction, and extension of certain other pools in Lee, Chaves, and Roosevelt Counties, New Mexico.

* * *

DAN NUTTER, called as a witness herein, having been previously duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. HATCH:

Q Would you state your name and position for the record again, Mr. Nutter?

A Yes, sir. Dan Nutter, Chief Engineer for the Oil Conservation Commission.

Q You are the same Dan Nutter who has previously testified and previously been sworn?

A Yes, sir.

(Whereupon, Exhibit A marked for identification.)

Q (By Mr. Hatch) Are you prepared to make recommendations

to the Commission concerning the creation of a pool in Southeastern New Mexico and the assignment of discovery allowables in the pool?

A Yes, sir. The Commission, since the adoption of Rule 509, a new rule establishing a bonus discovery allowable for oil discovery wells, has received the application of Midwest Oil Corporation for the creation of a pool and the assignment of a discovery allowable to that pool.

Midwest Oil Corporation furnished the Commission staff with the geological data that is required by Rule 509. The Commission staff analyzed this data and became convinced that this is an apparent new discovery.

We are, therefore, recommending this morning that the Vada-Pennsylvanian Pool comprising the northwest quarter of Section 20, Township 9 South, Range 34 East, Lee County, New Mexico be established and that the discovery well which is the Vada Lee Pruitt Well No. 1, located 660 feet from the north line and 1980 feet from the west line of Section 20, Township 9 South, Range 34 East be assigned a discovery allowable in the amount of five barrels for each foot of depth down to the top of the perforations. The top of the perforations in this well is at 9,792 feet. The discovery allowable would therefore be 48,960 barrels, total.

According to Rule 509, this is to be produced over a

year period, the two year period in this case would include a Leap Year, so we divide the 48,960 barrels by 731; it would come out to a daily allowable for discovery of 67 barrels per day. I would recommend that the pool be created and that this well be assigned that discovery allowable.

Q Mr. Nutter, the docket shows Township 9 South, Range 34 East, NMPM, Section 20 Northwest quarter for that pool. Is that the way it appeared in all of the legal advertisements?

A No, sir. Type-lies got into the notice of the hearing in the newspapers.

MR. PORTER: What was that?

A Type-lies. They changed the letters after you set the type.

This was defined as being in Township 9 North, Range 34 West, Lea County. In order that there not be any question whatsoever about the legality of the assignment of this bonus allowable, I would recommend that the allowable be assigned that this case also be advertised to be recalled at the hearing in January, 1967. In the meantime, I think the allowable could be assigned with the understanding that if there should be any question that should result at that January hearing in the reversal of this, that the bonus discovery allowable which has been produced would be made up.

I discussed this with the attorney for Midwest Oil Corporation and he was agreeable to this procedure.

MR. PORTER: You do not anticipate that there will be any question?

A No, sir. I think if anyone had anticipated opposing this discovery allowable that they would have been here this morning. I believe being as how there is no Township 9 North in Lea County, they were on notice.

MR. PORTER: Commissioner Hayes says he does not believe you will find a 34 West in New Mexico.

A Did I say west?

MR. HATCH: I think the ad did say 34 East.

A 9 North, 34 East.

Q (By Mr. Hatch) Are you also prepared to make recommendations to the Commission concerning the creation, construction and extension of certain other pools in Lea, Chaves and Roosevelt Counties, New Mexico?

A Yes, sir. I would recommend that the other pools which are shown on the exhibit in this case, which is identified as Exhibit A, Nomenclature Case 3503, that all of these creations and extensions go through, with certain exceptions. These exceptions are identified in the exhibit, but they are different from the docket in these following respects; the proposed creation of a pool in Lea County in paragraph C,

designated the Moore-Lower Wolfcamp Pool, should be dismissed pending further study.

Paragraph B, the contraction and vertical limits of the Moore-Wolfcamp Gas Pool in Lea County, New Mexico should be dismissed pending further study.

Paragraph E and F, pool extensions should be as on the docket.

Paragraph G, the extension of the Cato-San Andres Pool in Chaves County should be as on the docket and also as follows; in Township 8 South, Range 30 East, Section 2, the southwest quarter, Section 10 the southwest quarter, Section 14 the northwest quarter, Section 15 the north half.

The pool extension for the Chaveroo-San Andres Pool and Chaves and Roosevelt County, New Mexico should be as shown on the docket, and in addition, the following extensions should be made in Township 7 South, Range 33 East, add the southeast quarter of Section 21, in Township 8 South, Range 33 east, add the southeast quarter of Section 3.

I would recommend that the extensions as shown on the docket and on the exhibit in Paragraphs I, J, and K be adopted as shown.

Q That is as you have corrected them?

A Yes, sir.

Q Do you have anything further to add to this case?

A No, sir.

Q Was Exhibit A prepared by you or for your use?

A Yes, sir, it was.

MR. HATCH: I would like to move the introduction of Exhibit A into evidence.

MR. PORTER: If there are no objections Exhibit A will be admitted.

(Whereupon, Exhibit A offered and admitted in evidence.)

MR. PORTER: Any questions of Mr. Nutter?

You may be excused.

(Witness excused)

MR. HATCH: Excuse me, we have one more nomenclature case.

MR. PORTER: I see. We have the Northwest at this time. Well, we will dismiss him as far as Case 3503 is concerned.

At this time, I would like to congratulate the Midwest, since some of their representatives are present on this discovery, and also being the first to get the consideration for the bonus discovery allowable.

MR. PORTER: The Commission will take the case under advisement.



dearnley-meier reporting service, inc.

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

1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108

PAGE

8

I N D E X

| WITNESS | PAGE |
|---------------------------------|------|
| DAN NUTTER | |
| Direct Examination by Mr. Hatch | 4 |

E X H I B I T

| NUMBER | MARKED | OFFERED | ADMITTED |
|--------|--------|---------|----------|
| A | 2 | 7 | 7 |

dearnley-meier reporting service, inc.

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

1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1205 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108



PAGE

9

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

I, DON McINTYRE: 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 6th day of January, 1967.

W. Don McIntyre
NOTARY PUBLIC

My Commission Expires:

July 17, 1970

NEW POOLS

a) It is recommended that a new oil pool be created and designated as the VADA-PENNSYLVANIAN Pool.

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

Discovery well was Midwest Oil Corporation - Vada Lee Permit #1 located in Unit C Section 20 Township 9 Range 34 and was completed on September 28, 1966 ~~with an initial potential of \$5.33 BOPD/MCFGP~~ Top of perforations is at 9792 feet.

b) It is recommended that a new oil pool be created and designated as the MIDWAY-BONE SPRINGS Pool.

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

Discovery well was Sunray DX Oil Company - New Mexico EE State #1 located in Unit H Section 13 Township 17 Range 36 and was completed on October 30, 1966 ~~with an initial potential of \$5.33 BOPD/MCFGP~~ Top of perforations is at 9352 feet.

TO BE c) It is recommended that a new oil pool be created and designated as the DISMISSED MOORE-LOWER WOLF CAMP Pool.

From the shale break at 8278 feet to the top of Pennsylvanian at 8780 feet formation and the horizontal limits should be as follows: As shown in Paragraph (c), Exhibit I

Type Log: Texaco, Inc., J. H. Moore #4 in Unit C of Section 25-11-32.

Discovery well was Texaco, Inc. - J. H. Moore #4 located in Unit C Section 25 Township 11 Range 32 and was completed on with an initial potential of BOPD/MCFGP. Top of perforations is at feet.

CASE 3503: (a) CREATION OF A NEW OIL POOL

| COUNTY | LEA | POOL | VADA-UNIVERSITY | | |
|----------|---------|-------|-----------------|------|----|
| TOWNSHIP | 9 South | RANGE | 34 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 oil well capable of producing.

MIDWEST OIL CORPORATION - Vada Lee Pruitt #1 in Unit C of Section 20-9-34.

Completed in Bough C on September 28, 1956. Top of Perforations 9792'.

Proposed pool boundary colored in red. SECTION 20: NW/4

CASE 3503: (b) CREATION OF A NEW OIL POOL

COUNTY LEA POOL MIDWAY-BONE SPRINGS

| TOWNSHIP | 17 South | RANGE | 36 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 oil well capable of producing.

SUNRAY OX OIL COMPANY - New Mexico EE State #1 in Unit H of Section 13-17-36. Completed in Bone Springs on October 30, 1966. Top of Perforations 9352'.

Proposed pool boundary colored in red. SECTION 13: NE/4

CASE 3503: (c) CREATION OF A NEW OIL POOL

TO BE DISMISSED

COUNTY LEA

POOL MOORE-LOWER WOLF CAMP

TOWNSHIP

11 South

RANGE

32 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 oil well capable of producing.

TEXACO, INC. - J. H. Moore #4 in Unit C of Section 25-11-32. Completed in Lower Wolfcamp.

Proposed pool boundary colored in red. SECTION 25: NW/4

Special Vertical Limits: From the shale break at 8278 feet to the top of Pennsylvanian at 8780 feet.

Type Log: Texaco, Inc., J. H. Moore #4 in Unit C of Section 25-11-32.

To Be Dismissed due to recompletion of subject well in San Andres Formation.

CASE 3503: (d) CONTRACTION OF VERTICAL LIMITS OF AN EXISTING GAS POOL

COUNTY LEA POOL MCCRE-WOLFCAMP GAS TO BE DISMISSED

TOWNSHIP 11 South RANGE 32 East NMPM
REDESIGNATED - MCCRE-UPPER WOLFCAMP GAS

| | | | | | |
|----|----|----|----|----|----|
| 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 vertical limits because of new reservoir discovery
in the Lower Wolfcamp Formation.

Special Vertical Limits: From top of Wolfcamp at 8080 feet to the shale
break at 8278 feet.

Type Log: Texaco, Inc., J. H. Moore #4 in Unit C of Section 25-11-32.

Pool boundary colored in red. SECTION 24: SW/4

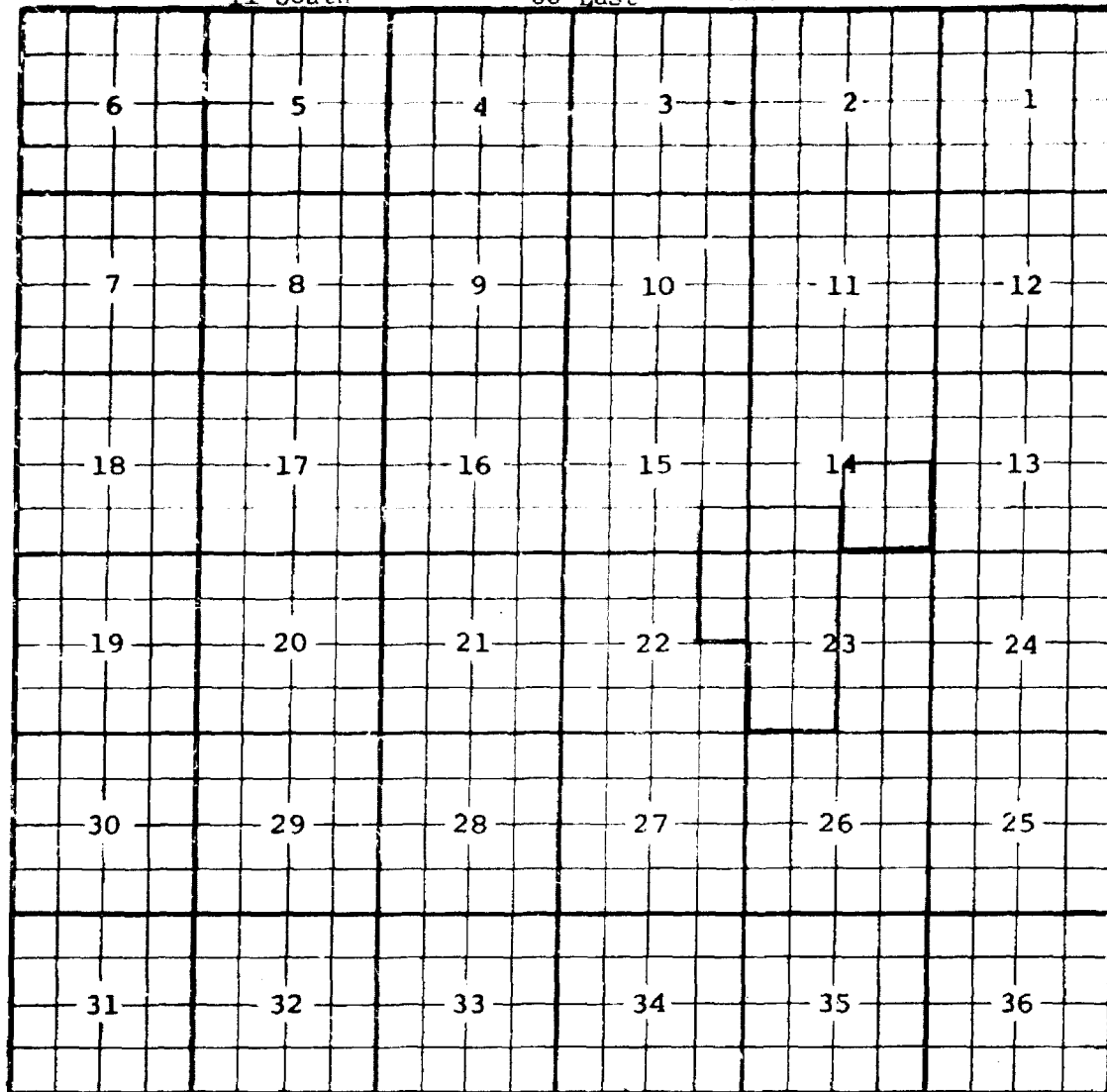
SECTION 25: W/2

To Be Dismissed Pending Further Study

CASE 3503: (e) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH EAGLEY-WOLF CAMP

TOWNSHIP 11 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

PENNZOIL COMPANY - Cabot State #1 in Unit I of Section 14-11-33. Completed in Wolfcamp on September 28, 1966. Top of Perforations 9005'.

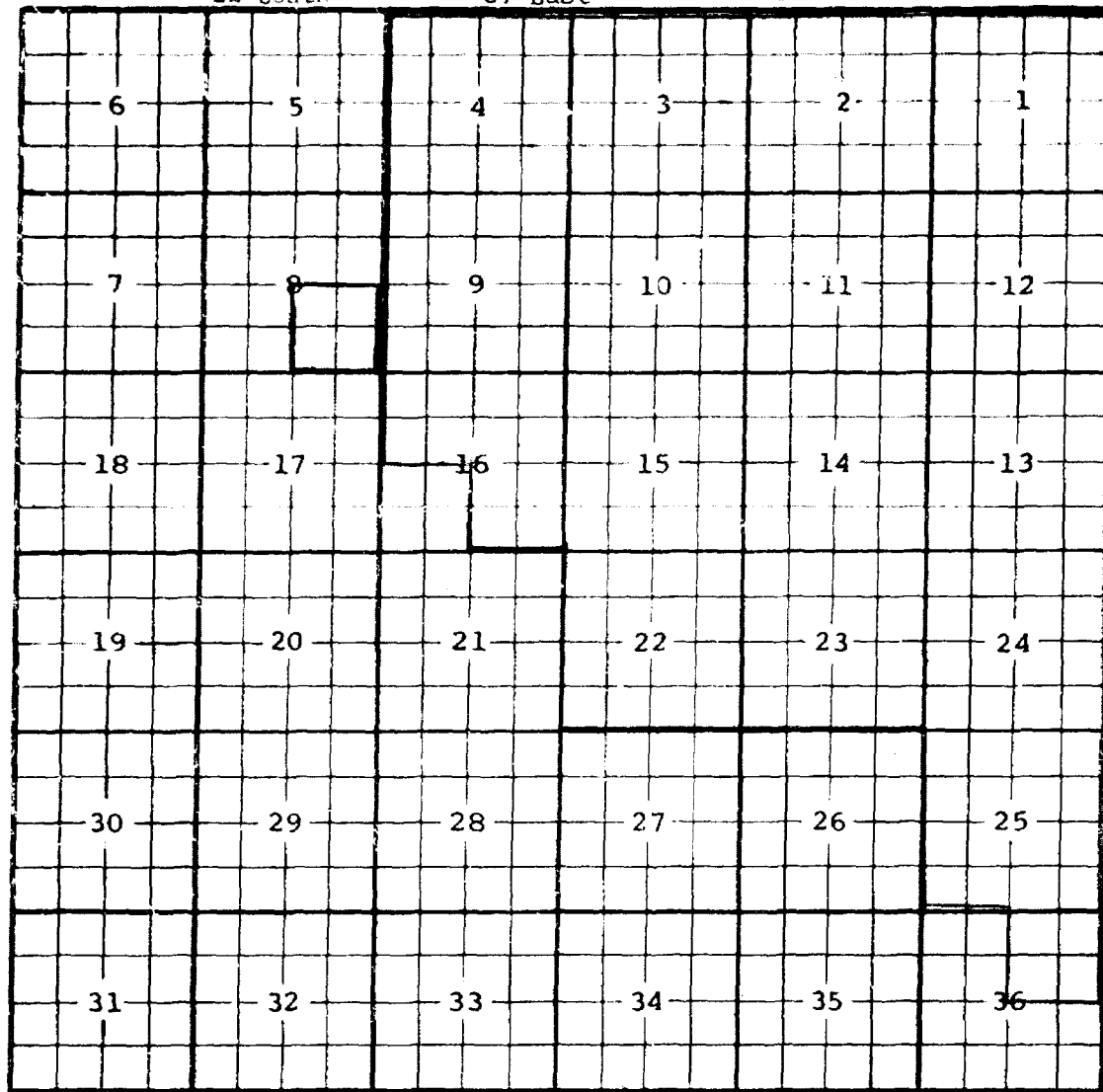
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 14: SE/4

CASE 3503: (1) EXTENSION OF AN EXISTING GAS POOL

COUNTY LEE POOL BLINEBRY GAS

TOWNSHIP 22 South RANGE 37 East NMFM



PURPOSE: One completed gas well capable of producing.

SHELL OIL COMPANY - Grizzell #6 in Unit I of Section 8-22-37. Completed in Blinebry on September 3, 1965. Top of Perforations 5388'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 8: SE/4

CASE 3503: (E) EXTENSION OF AN EXISTING OIL POOL

COUNTY CHAVES

POOL

CATC-SAN ANDRES

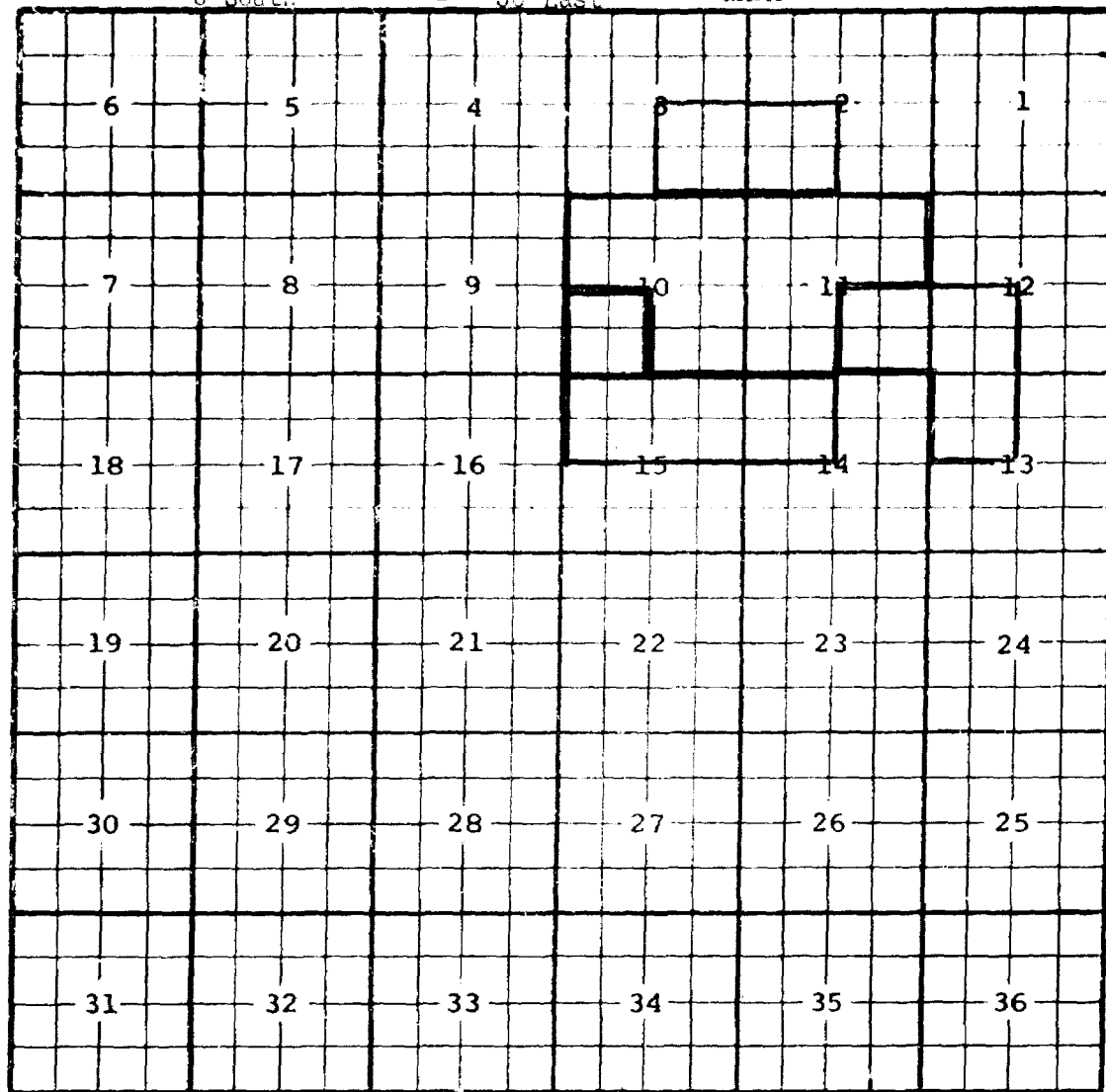
TOWNSHIP

8 South

RANGE

30 East

NMPM



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

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 3: SE/4

SECTION 11: SE/4

SECTION 12: SW/4

SECTION 13: NW/4

ADDITIONS----SECTION 2: SW/4

SECTION 10: SW/4

SECTION 14: NW/4

SECTION 15: N/2

COUNTY CHAVES
TOWNSHIP 8 South

POOL CATO-SAN ANDRES
RANGE 30 East NMPN

PAN AMERICAN PETROLEUM CORPORATION - Crosby "B" #1 in Unit 1 of Section 3-8-30. Completed in San Andres on September 30, 1966. Top of Perforations 3315'.

PAN AMERICAN PETROLEUM CORPORATION - Baskett D #3 in Unit C of Section 11-8-30. Completed in San Andres on October 21, 1966. Top of Perforations 3564'.

PAN AMERICAN PETROLEUM CORPORATION - Baskett D #4 in Unit I of Section 11-8-30. Completed in San Andres on November 24, 1966. Top of Perforations 3584'.

MAX COLL - Coll #1 in Unit D of Section 13-8-30. Completed in San Andres on October 11, 1966. Top of Perforations 3544'.

ADDITION--MWJ PRODUCING COMPANY - Cato State #1 in Unit M of Section 2-8-30. Completed in San Andres on November 20, 1966. Top of Perforations 3345'.

ADDITION--UNION TEXAS PETROLEUM CORPORATION - Crosby #1 in Unit K of Section 10-8-30. Completed in San Andres on November 21, 1966. Top of Perforations 3308'.

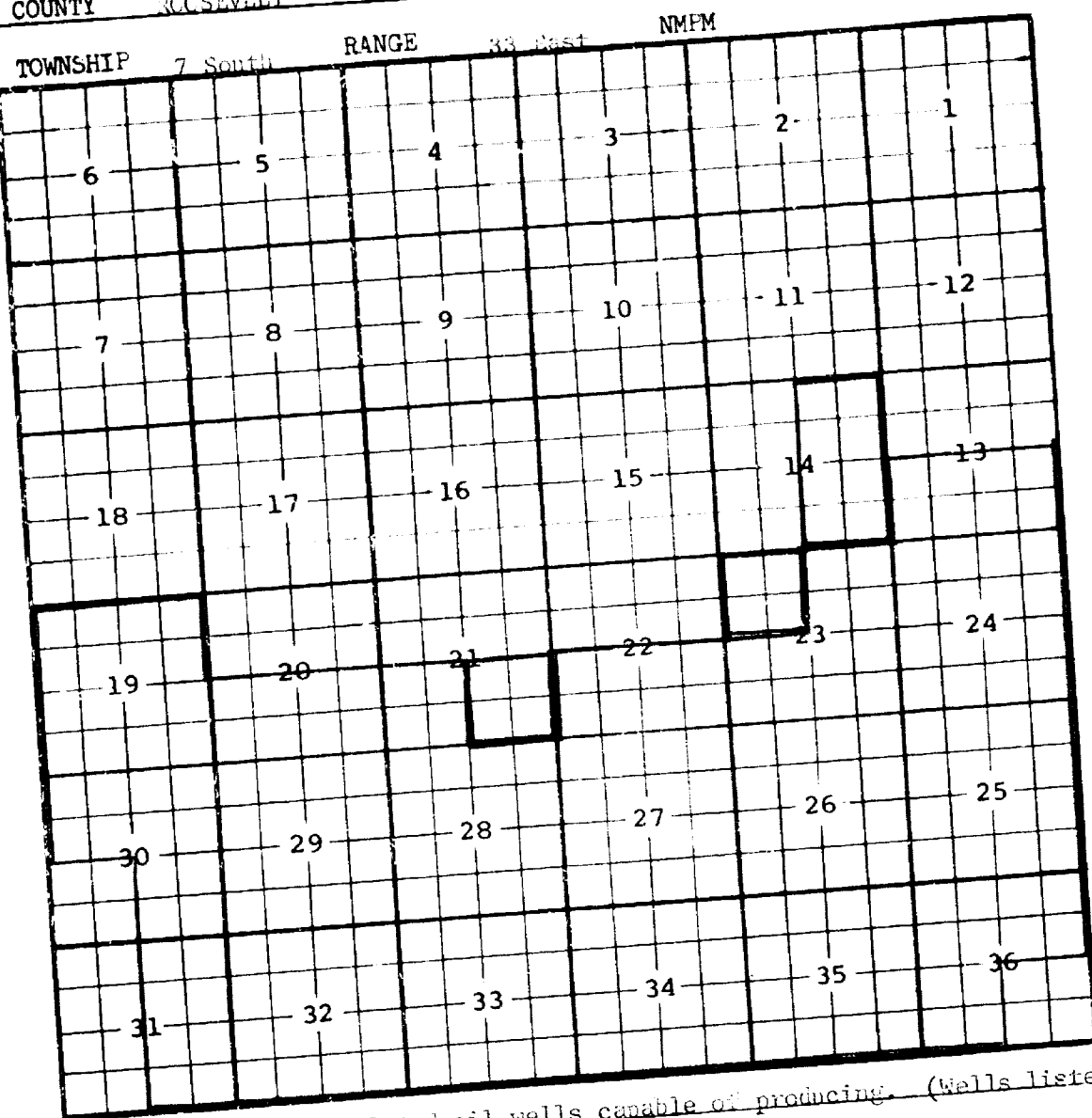
ADDITION--PAN AMERICAN PETROLEUM CORPORATION - Wasley #1 in Unit C of Section 14-8-30. Completed in San Andres on November 17, 1966. Top of Perforations 3452'.

ADDITION--PAN AMERICAN PETROLEUM CORPORATION - Baskett E #1 in Unit A of Section 15-8-30. Completed in San Andres on November 3, 1966. Top of Perforations 3414'.

ADDITION--PAN AMERICAN PETROLEUM CORPORATION - Crosby "D" #1 in Unit C of Section 15-8-30. Completed in San Andres on December 1, 1966. Top of Perforations 3370'.

CASE 3503: (1) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY ROOSEVELT POOL CHAVERCO-SAN ANDRES



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

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 14: E/2

SECTION 23: NW/4

ADDITION-----SECTION 21: SE/4

| | | | |
|----------|-----------|-------|----------------------|
| COUNTY | ROOSEVELT | FOOL | CHAUVERCO-SAN ANDRES |
| TOWNSHIP | 7 South | RANGE | 33 East NMPM |

KERN COUNTY LAND COMPANY - E. B. Burgland #1 in Unit H of Section 14-7-33. Completed in San Andres on October 21, 1966. Top of Perforations 4052'.

MIDWEST OIL CORPORATION - Morgan Federal Tr. #3 Well #7 in Unit P of Section 14-7-33. Completed in San Andres on November 6, 1966. Top of Perforations 4068'.

MIDWEST OIL CORPORATION - Morgan Federal Tr. #3 Well #8 in Unit O of Section 14-7-33. Completed in San Andres on November 17, 1966. Top of Perforations 4080'.

KERN COUNTY LAND COMPANY - Federal 23 #11 in Unit F of Section 23-7-33. Completed in San Andres on October 7, 1966. Top of Perforations 4158'.

ADDITION--KERN COUNTY LAND COMPANY - Federal 21 #3 in Unit C of Section 21-7-33. Completed in San Andres on November 6, 1966. Top of Perforations 4165'.

CASE 3303: (H) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY ROOSEVELT POOL CHIVEROO-SAN ANDRES

TOWNSHIP 7 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: As stated on preceding page, paragraph (h), Exhibit I. (Wells listed on attached sheet.)

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 18: SE/4

SECTION 29: NW/4

SECTION 30: S/2

| | | | | |
|----------|-----------|-------|---------------------|------|
| COUNTY | ROOSEVELT | POOL | CHAVEROO-SAN ANDRES | |
| TOWNSHIP | 7 South | RANGE | 34 East | NMPM |

PAN AMERICAN PETROLEUM CORPORATION - Wolf Federal #3 in Unit O of Section 18-7-34. Completed in San Andres on October 7, 1966. Top of Perforations 4064'.

SKELLY OIL COMPANY - Hobbs "W" #6 in Unit D of Section 29-7-34. Completed in San Andres on October 17, 1966. Top of Perforations 4224'.

SKELLY OIL COMPANY - Hobbs W #7 in Unit E of Section 29-7-34. Completed in San Andres on November 1, 1966. Top of Perforations 4218'.

SKELLY OIL COMPANY - Hobbs W #8 in Unit C of Section 29-7-34. Completed in San Andres on November 14, 1966. Top of Perforations 4226'.

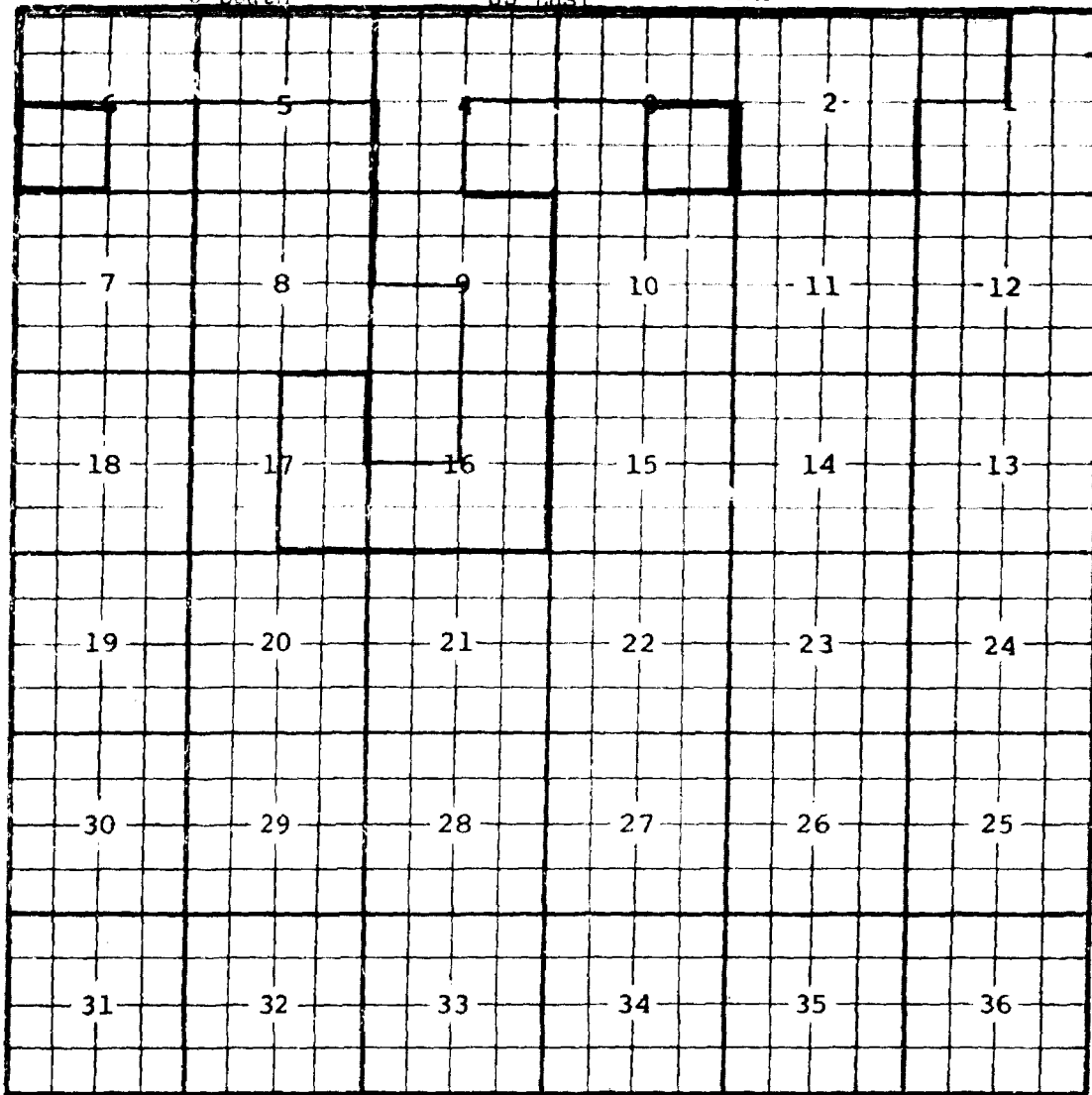
SKELLY OIL COMPANY - Hobbs W #5 in Unit J of Section 30-7-34. Completed in San Andres on October 7, 1966. Top of Perforations 4337'.

TENNECO OIL COMPANY - State V #3 in Unit K of Section 30-7-34. Completed in San Andres on October 15, 1966. Top of Perforations 4344'.

CASE 3503: (h) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY CHAVES POOL CHAVERUS-SAN ANDRES

TOWNSHIP 8 South RANGE 33 East NMFM



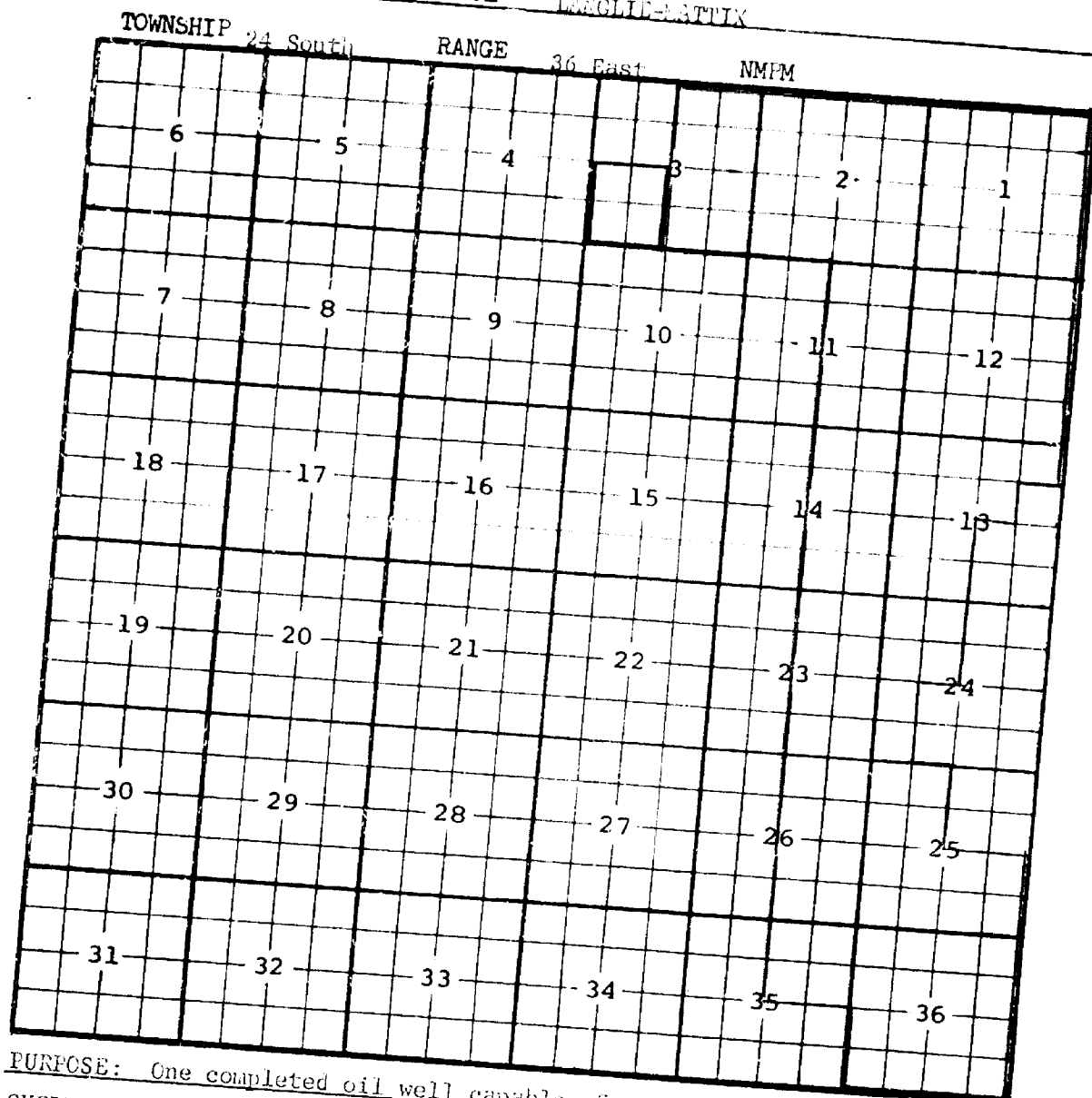
PURPOSE: As stated on preceding page, paragraph (h), Exhibit I
 CHAMPLIN PETROLEUM COMPANY - State "6" #4 in Unit L of Section 6-8-33.
 Completed in San Andres on August 4, 1966. Top of Perforations 4153'.
 CHAMPLIN PETROLEUM COMPANY - State "6" #5 in Unit M of Section 6-8-33.
 Completed in San Andres on August 10, 1966. Top of Perforations 4166'.
 ADDITION--ATLANTIC RICFIELD COMPANY - State BF #8 in Unit J of Section
 3-8-33. Completed in San Andres on November 22, 1966. Top of
 Perforations 4240'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 6: SW/4

ADDITION---SECTION 3: SE/4

CASE 3503: (1) EXTENSION OF AN EXISTING OIL POOL
COUNTY LEM POOL LANGLIE-BATTIX



PURPOSE: One completed oil well capable of producing.
SKELLY OIL COMPANY - E. Coats #3 in Unit M of Section 3-24-36. Completed
in Seven Rivers and Queen on July 21, 1966. Top of Perforations 3366'.
Pool boundary colored in red.
Proposed pool extension colored in green. SECTION 3: SW/4

CASE 3503: (j) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL VACUUM-GLORIETA

TOWNSHIP 17 South RANGE 34 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 oil well capable of producing.

MOBIL OIL CORPORATION - Bridges State #113 in Unit E of Section 24-17-34.

Completed in Glorieta on September 23, 1966. Top of Perforations 6095'.

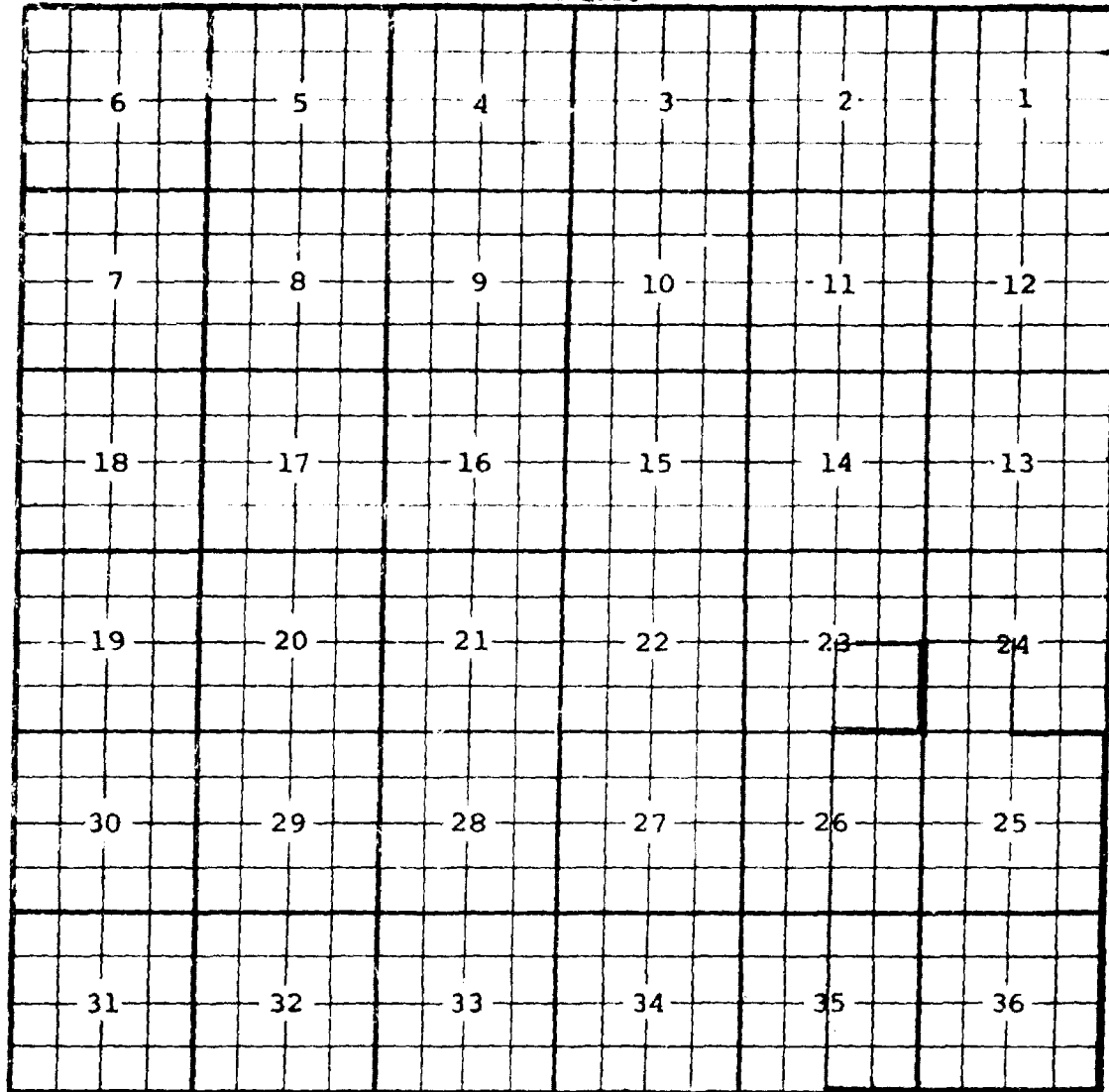
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 24: NW/4

CASE 3503: (k) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL WACHUNG-WOLF CAMP

TOWNSHIP 17 South RANGE 34 East NMFM



PURPOSE: One completed oil well capable of producing.

MOBIL OIL CORPORATION - Bridges State #117 in Unit F of Section 23-17-34.

Completed in Wolfcamp on September 21, 1966. Top of Perforations 2635'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 23: SE/4



COLEMAN PETROLEUM ENGINEERS & COMPANY

PHONE TOLSON 3-3813
411 GRIMES
P. O. BOX 1829
HOBBS NEW MEXICO

BOTTOM HOLE PRESSURE RECORD

OPERATOR **MIDWEST OIL CORPORATION**
FIELD **WILDCAT** FORMATION **PENN.**
LEASE **VADA LEE PRUITT** WELL NO. **1**
COUNTY **LEA** STATE **NEW MEXICO**
DATE **10-2-66** TIME **11:20 AM**
Status **SHUT IN** Test depth **9736'**
Time S. I. **72.0 Hrs** Last test date **INITIAL**
Tub Pres. **703** BHP last test **-**
Casing Pres. **-** BHP change **-**
Elev. **4289' GL** Fluid top **3672'**
Datum **(-5507)**** Water top **6790'**
Temp. **61** 154°F Run by **ALLMAN**
Cal. No. **A2419N** Chart No. **1**

Oil Gravity - **45.1**

| Depth | Pressure | Gradient |
|---------|----------|----------|
| 0 | 703 | - |
| 1000 | 726 | .023 |
| 2000 | 751 | .025 |
| 4000 | 891 | .070 |
| 6000 | 1488 | .299 |
| 8000 | 2282 | .397 |
| 9000 | 2743 | .461 |
| 9736 | 3085 | .465 |
| 9796(-) | 3113* ** | (.465) |

*EXTRAPOLATED PRESSURE

** MID POINT OF CASING PERFORATIONS

