

CASE 3723:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

Case No.

3723

Application, Transcript,
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 NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 3723
Order No. R-3381

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 14, 1968, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 15th day of February, 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 Delaware formation, said pool to bear the designation of North Paduca-Delaware Pool. Said North Paduca-Delaware Pool was discovered by Texaco Inc. Cotton Draw Unit No. 69, located in Unit X of Section 34, Township 24 South, Range 32 East, NMPM. It was completed in Delaware on November 16, 1967. The top of perforations is 4795 feet.

(3) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Poker Lake-Morrow Gas Pool. Said Poker Lake-Morrow Gas Pool was discovered by Pan American Petroleum Corporation, Poker Lake Unit No. 36, located in Unit P of Section 28, Township 24 South, Range 31 East, NMPM. It was completed in Morrow on May 29, 1967. The top of perforations is 14,590 feet.

(4) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Strawn formation,

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CASE No. 3723

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said pool to bear the designation of Scanlon-Strawn Gas Pool. Said Scanlon-Strawn Gas Pool was discovered by J. M. Huber Corporation, Yates Federal No. 1, located in Unit P of Section 32, Township 20 South, Range 29 East, NMPM. It was completed in Strawn on August 13, 1967. The top of perforations is 10,588 feet.

(5) That there is need for certain extensions to the Cato-San Andres Pool, the Pecos-San Andres Pool, and the Twin Lakes-San Andres Pool, all in Chaves County, New Mexico, the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, the North Bagley-Lower Pennsylvanian Pool, the North Bagley-Upper Pennsylvanian Pool, and the Inbe Permo-Pennsylvanian 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 Delaware production, is hereby created and designated as the North Paduca- Delaware Pool, consisting of the following-described area:

TOWNSHIP 24 SOUTH, RANGE 32 EAST, NMPM
Section 34: SW/4

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

TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM
Section 28: S/2

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

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM
Section 32: S/2

(d) That the North Bagley-Lower 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 8: SW/4
Section 15: SE/4
Section 20: SE/4

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

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TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 9: SW/4
Section 14: N/2 SW/4
Section 20: NE/4
Section 21: NW/4

(f) 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 4: SW/4
Section 21: All
Section 29: NE/4
Section 32: NW/4 and SE/4

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM

Section 4: N/2

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

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM

Section 24: S/2 SW/4

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 23: W/2 SE/4

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

TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM

Section 28: E/2 SW/4 and SE/4 NW/4

(i) That the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM

Section 5: SE/4 NW/4 and SW/4 NE/4

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

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM

Section 35: S/2 SE/4

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CASE No. 3723

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IT IS FURTHER ORDERED:

That the effective date of this order and all creations and extensions included herein shall be March 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
DAVID F. CARGO, Chairman

Guyton B. Hays
GUYTON B. HAYS, Member

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

esr/

DOCKET: REGULAR HEARING - WEDNESDAY - FEBRUARY 14, 1968

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

- Allowable: (1) Consideration of the oil allowable for March, 1968;
- (2) Consideration of the allowable production of gas for March, 1968, from thirteen prorated pools in Lea, Eddy, and Roosevelt Counties, New Mexico; consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico, for March, 1968.

CASE 3722: Application of BTA Oil Producers for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests underlying the SW/4 SE/4 of Section 10, Township 9 South, Range 34 East, Lea County, New Mexico, from the surface of the ground to a depth of 9850 feet or the base of the Bough C zone of the Pennsylvanian formation.

CASE 3723: Southeastern nomenclature case calling for an order for the creation and extension of certain pools in Lea, Chaves and Eddy Counties, New Mexico:

- (a) Create a new pool in Lea County, New Mexico, classified as an oil pool and designated as the North Paduca Delaware Pool. The discovery well for said pool is the Texaco Inc. Cotton Draw Unit Well No. 69 in Unit K of Section 34, Township 24 South, Range 32 East. Said pool should comprise the following described acreage:

TOWNSHIP 24 SOUTH, RANGE 32 EAST, NMPM
Section 34: SW/4

- (b) Create a new pool in Eddy County, New Mexico, classified as an oil pool for Morrow production and designated as the Poker Lake-Morrow Gas Pool. The discovery well for said pool is Pan American Petroleum Corporation's Poker Lake Unit No. 36 located in Unit P of Section 28, Township 24 South, Range 31 East. Said pool should comprise the following described acreage:

TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM
Section 28: S/2

- (c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Scanlon-Strawn Pool. The discovery well is J. M. Huber Corporation's Yates Federal Well No. 1 located in Unit P of Section 32, Township 20 South, Range 29 East. Said pool should comprise the following described acreage:

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM
Section 32: S/2

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

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 8: SW/4
Section 20: SE/4

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

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 9: SW/4
Section 14: N/2 SW/4
Section 20: NE/4
Section 21: NW/4

(f) Extend the Cato-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM

Section 4: SW/4
Section 21: All
Section 29: NE/4

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM

Section 4: NW/4

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

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM

Section 24: S/2 SW/4

(h) Extend the Pecos-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM

Section 28: E/2 SW/4 and SE/4 NW/4

(i) Extend the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMFM

Section 5: SE/4 NW/4 and SW/4 NE/4

(j) Extend the Twin Lakes-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM

Section 35: S/2 SE/4

NOMENCLATURE ADVERTISEMENT FOR FEBRUARY, 1968

CASE 3723

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 Eddy and Lea Counties, New Mexico, and the extension of certain existing pools in Chaves, Eddy, and Lea 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 Delaware production and designated as the North Paduca-Delaware Pool. The discovery well is Texaco, Inc., Cotton Draw Unit No. 69, located in Unit K of Section 34, Township 24 South, Range 32 East, NMPM. Said pool described as:

✓ TOWNSHIP 24 SOUTH, RANGE 32 EAST, NMPM
SECTION 34: SW/4

b) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Poker Lake-Morrow Gas Pool. The discovery well is Pan American Petroleum Corporation, Poker Lake Unit No. 36, located in Unit P of Section 28, Township 24 South, Range 31 East, NMPM. Said pool described as:

✓ TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM
SECTION 28: S/2

c) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Scanlon-Strawn Gas Pool. The discovery well is J. M. Huber Corporation, Yates Federal No. 1, located in Unit P of Section 32, Township 20 South, Range 29 East, NMPM. Said pool described as:

✓ TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM
SECTION 32: S/2

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

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 8: SW/4
SECTION 20: SE/4

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

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 9: SW/4
SECTION 14: N/2 SW/4
SECTION 20: NE/4
SECTION 21: NW/4

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

✓ TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM
SECTION 4: SW/4
SECTION 21: All
SECTION 29: NE/4

f) Extension to the Cato-San Andres Pool Continued:

✓ TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM
SECTION 4: NW/4

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

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 24: S/2 SW/4

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

✓ TOWNSHIP 7 SOUTH, RANGE 26 EAST, NMPM
SECTION 28: E/2 SW/4 and SE/4 NW/4

i) EXTEND the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
SECTION 5: SE/4 NW/4 and SW/4 NE/4

j) EXTEND the Twin Lakes-San Andres Pool in Chaves County, New Mexico, to include therein:

✓ TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM
SECTION 35: S/2 SE/4

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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
February 14, 1967
REGULAR HEARING

IN THE MATTER OF:

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

Case 3723

BEFORE: A.L. "Pete" Porter, Secretary-Director
Guyton B. Hayes, Land Commissioner
David F. Cargo, Governor

TRANSCRIPT OF HEARING

MR. PORTER: Case No. 3723.

MR. HATCH: Case 3723. Southeastern nomenclature case calling for an order for the creation and extension of certain pools in Lea, Chaves and Eddy Counties, New Mexico.

(Witness sworn)

DANIEL NUTTER

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

DIRECT EXAMINATION

BY MR. HATCH:

Q State your name and position for the record.

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

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

A Yes, I am.

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

A Yes, they are.

Q What is that exhibit number, please?

A This exhibit is identified as OCC Exhibit Number 1, Case 3723.

Q Will you please refer to Exhibit Number 1 and to the docket that has been distributed at this hearing and point out any substantial differences between the two and any corrections that need to be made.

A The exhibit calls for, and I recommend that the creations be made as advertised and as shown on the docket. All creations are the same as shown on the docket. The extensions are the same as shown on the docket, with the following exceptions: In Paragraph D the extension of the North Bagley-Lower Pennsylvanian Pool, I recommend that in addition to the extension shown on the docket that the southeast quarter of Section 15, Township 11 South, Range 33 East be added to that pool. Paragraph E is the same. Paragraph F the Cato-San Andres Pool extensions, I recommend that they be made as shown on the exhibit which differs from the docket in the following respects: In Township 8 South, Range 30 East, in Section 32 add the Northwest Quarter and the Southeast Quarter in Township 9 South, Range 30 East, add the northeast quarter of Section 4, thereby making the extension, the north half of Section 4, Paragraph G the extension of the Inbe-Permo Pennsylvanian Pool, I would recommend the extensions be made as shown on the docket in Township 10 South, Range 33 East, also in

Township 11 South, Range 33 East I would recommend that the extension be made to include the west half of the southeast quarter of Section 23. Paragraphs H and I and J are to be extended as shown on the docket. Those are the only exceptions to the docket that the exhibits differs in.

Q Do you recommend to the Commission that the pools be created and extended as corrected in this hearing?

A And as shown on the exhibit, yes, sir.

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

A Yes, it was.

MR. HATCH: I would like to move the introduction of Exhibit 1 into evidence then.

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

(Whereupon, Exhibit 1 was offered and admitted in evidence.)

MR. PORTER: Any questions of the witness? Witness may be excused.

(Witness excused.)

MR. PORTER: Is there anything further to be offered in Case 3723? The Commission will take the case under advisement.

At this time I want to reopen the Oil Allowable Case and recall Mr. Kapteina.

JAMES E. KAPTEINA

recalled as a witness, having been previously sworn was examined further and testified as follows:

FURTHER CROSS EXAMINATION

BY MR. PORTER:

Q Mr. Kapteina, do you have figures there showing what the November production, average daily production was in the southeast? It appears that you indicated in your testimony that you do think that the December production was perhaps affected by the abnormal temperature?

A Yes, sir.

Q So let's take a look at November and see what the average production was.

A November the production was in the Southeast New Mexico, was 312,256 barrels per day.

Q 312,000?

A Yes, sir.

Q Do you have an estimate or have you made an estimate that's not on your exhibit of how much oil would be produced in southeast New Mexico with a sixty barrel allowable?

A Yes, sir, I have. My estimate is 329,309 barrels

per day.

Q Do we have a Bureau of Mines estimate of 335,000, total nominations of 332,580, is that correct?

A The total nominations in Southeast are 332,580, yes, sir, Bureau of Mines, I assume, would be for the entire State.

Q That's for the whole State and your total nominations for the State are 361,000.

MR. PORTER: Does anyone have any further questions of Mr. Kapteina? He may be excused.

(Witness excused.)

MR. PORTER: The Commission is going to increase the allowable in Southeast New Mexico to sixty barrels per day, remain the same in Northwest New Mexico at seventy. We feel that it will take a normal unit allowable of sixty barrels plus perhaps the condensate to even reach the purchasers' nominations and we are a bit concerned about the widening gap there between production and nominations, downward trend in production for the last three months, I would expect that to continue through January and possibly February. Is there anything further to come before the Commission?

MR. HATCH: Case 3722.

NEW POOLS

- a) It is recommended that a new oil pool be created and designated as the NORTH PADUCA-DELAWARE Pool.

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

Discovery well was Texaco, Inc. - Cotton Draw Unit #69 located in Unit K Section 34 Township 24 Range 32 and was completed on November 16, 1967 ~~#####~~ Top of perforations is at 4795 feet.

- b) It is recommended that a new gas pool be created and designated as the POKER LAKE-MORROW GAS Pool.

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

Discovery well was Pan American Petroleum Corporation - Poker Lake Unit #36 located in Unit p Section 28 Township 24 Range 31 and was completed on May 29, 1967 ~~#####~~ Top of perforations is at 15,010 feet.

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

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

Discovery well was J. M. Huber Corporation - Yates Federal #1 located in Unit p Section 32 Township 20 Range 29 and was completed on August 13, 1967 ~~#####~~ Top of perforations is at 10,597 feet.

CASE 3723: (a) CREATION OF A NEW OIL POOL

COUNTY LEA

POOL NORTH PADUCA-DELAWARE

TOWNSHIP 24 South

RANGE 32 East

NMPM

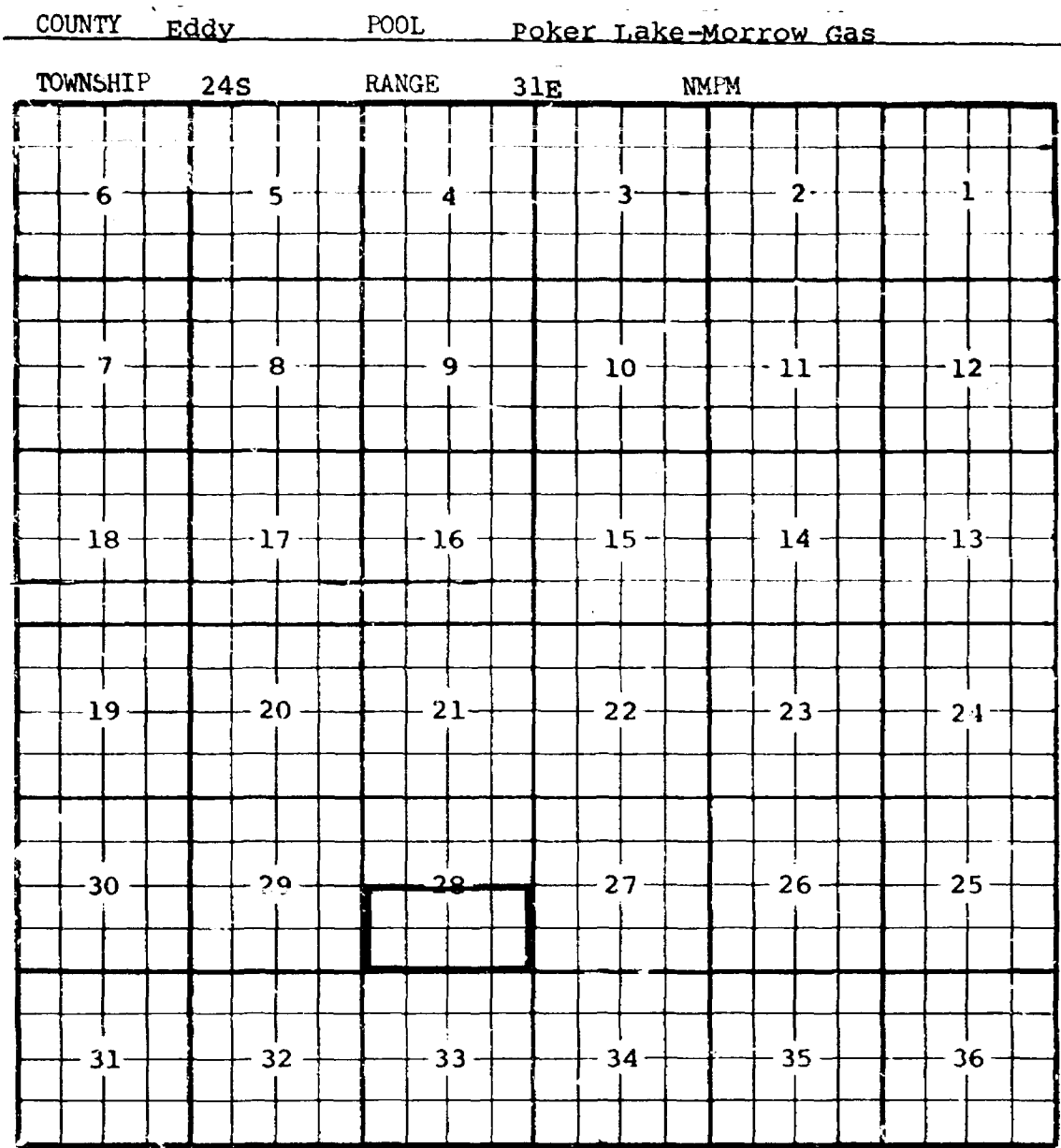
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

TEXACO, INC. - Cotton Draw Unit #69 in Unit K of Section 34-24-32. Completed in Delaware on November 16, 1967. Top of Perforations 4795'.

Proposed pool boundary colored in red. SECTION 34: SW/4

CASE 3723: (b) CREATION OF A NEW GAS POOL



Purpose: One completed gas well capable of producing.

Discovery Well: Pan American Petroleum Corp. Poker Lake Unit Well #36 in unit P of Section 28-24-31. Completed in Morrow May 29, 1967, through perforations 14590' to 15010'.

Proposed pool boundary colored in green.

Section 28: S/2

CASE 3723: (c) CREATION OF A NEW GAS POOL

COUNTY	Eddy		POOL	Scanlon-Strawn Gas		
TOWNSHIP	20S		RANGE	29E		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.

Discovery Well: J. M. Huber Corp. Yates Federal Well #1 in unit F of Section 32-20-29. Completed in Strawn August 13, 1967, through perforations 10588' to 10597'.

Proposed pool boundary colored in green.

Section 32: S/2

CASE 3723: (d) EXTENSION OF AN EXISTING OIL POOL

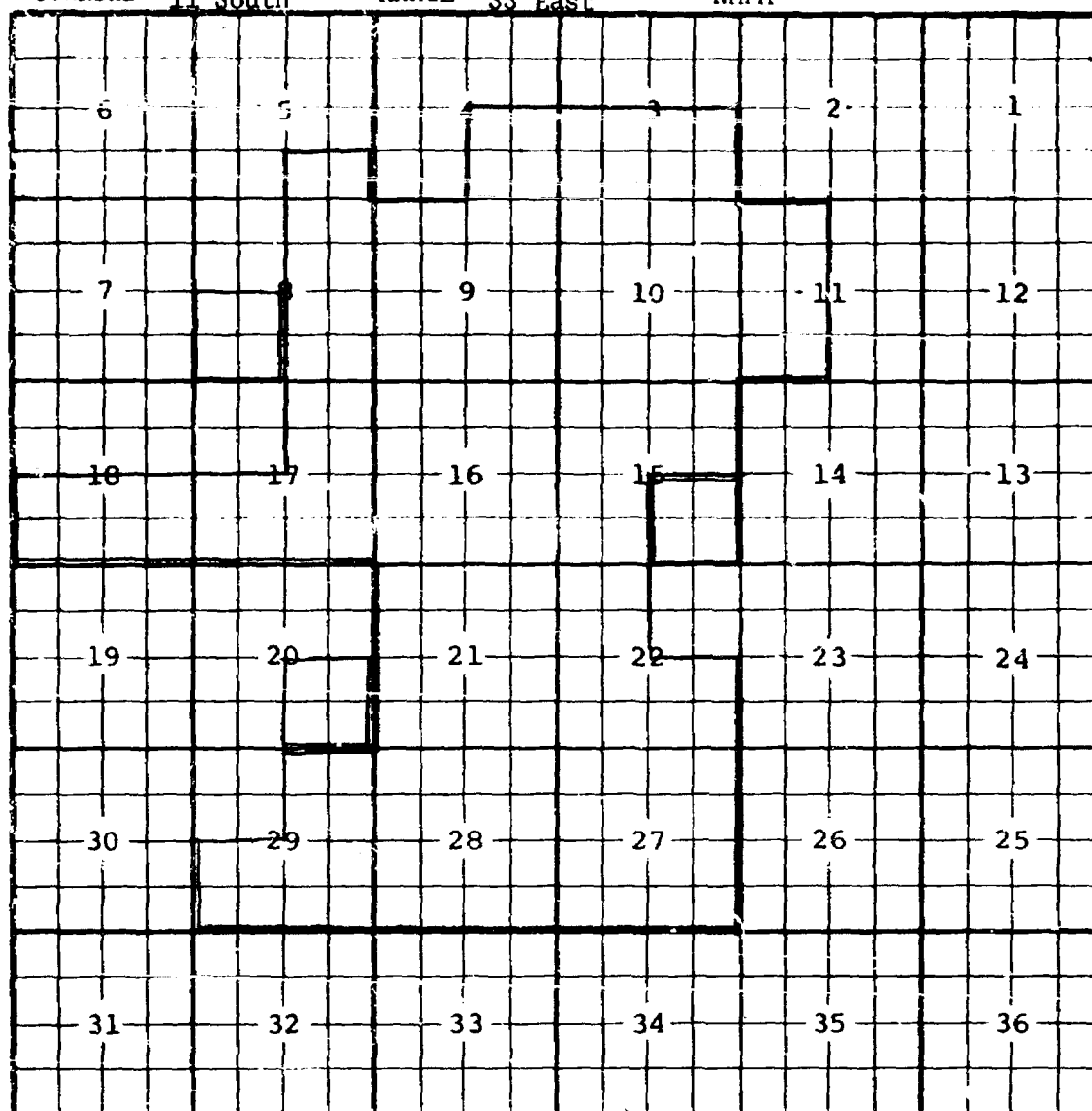
COUNTY LEA

POOL NORTH BAGLEY-LOWER PENNSYLVANIAN

TOWNSHIP 11 South

RANGE 33 East

NMPM



PURPOSE: Two completed oil wells capable of producing.

SAM BOREN - Shea-Climenko #1 in Unit N of Section 8-11-33. Completed in Lower Pennsylvanian on December 15, 1967. Top of Perforations 9920'.

STOLTZ & COMPANY - CLARK - Audrey #1 in Unit P of Section 20-11-33.

Completed in Lower Pennsylvanian on November 25, 1967. Top of Perforations 9791'.

ADDITION--MEADCO PROPERTIES LTD. - Dallas #1 in Unit J of Section 15-11-

33. Completed in Lower Pennsylvanian on January 3, 1968. Top

of Perforations 10,018'.

Pool boundary colored in red.

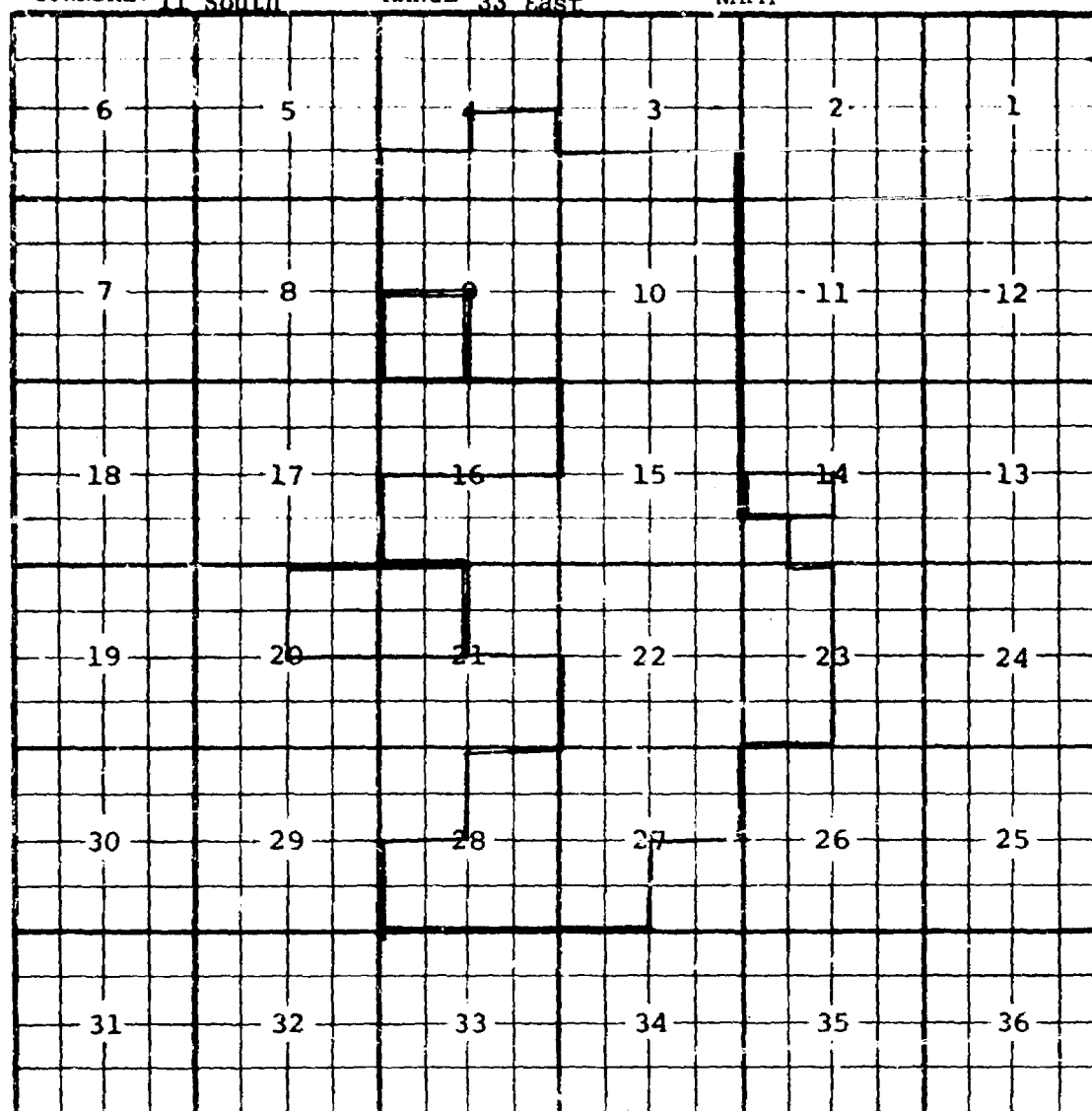
Proposed pool extensions colored in green. SECTION 8: SW/4

SECTION 20: SE/4

ADDITION-----SECTION 15: SE/4

COUNTY LEA POOL NORTH BAGLEY-UPPER PENNSYLVANIAN

TOWNSHIP 11 South RANGE 33 East NMPM



GULF OIL CORPORATION - Lea "OG" State #1 in Unit K of Section 9-11-33.

MEADCO PROPERTIES, LTD. - Cabot "a" State #1 in Unit L of Section 14-11-33. Completed in Upper Pennsylvanian on November 2, 1967. Top of Perforations 9177'.

Pool boundary colored in red.

SECTION 14: N/2 SW/4

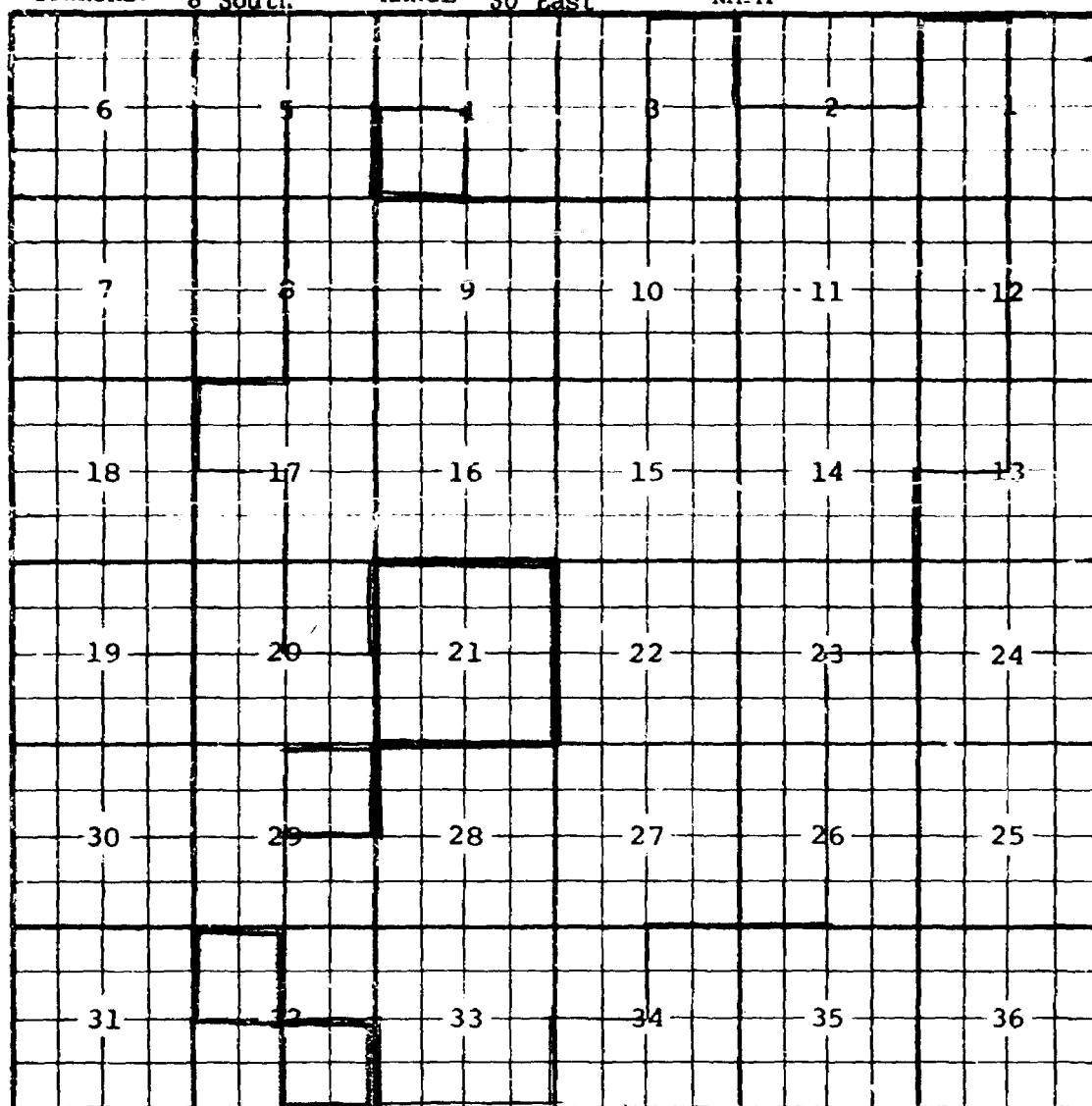
SECTION 20: NE/4

SECTION 21: NW/4

CASE 3723: (f) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY CHAVES POOL CATO-SAN ANDRES

TOWNSHIP 8 South RANGE 30 East NMPM



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

Pool boundary colored in red.

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

SECTION 21: All

SECTION 29: NE/4

ADDITIONS----SECTION 32: NW/4 and SE/4

COUNTY	CHAVES	POOL	CATO-SAN ANDRES
TOWNSHIP	8 South	RANCE	30 East NMPM

PAN AMERICAN PETROLEUM CORPORATION - Barhyte #1 in Unit M of Section 4-8-30. Completed in San Andres on November 16, 1967. Top of Perforations 3255'.

PAN AMERICAN PETROLEUM CORPORATION - Woodman Federal #1 in Unit P of Section 21-8-30. Completed in San Andres on January 4, 1968. Top of Perforations 3434'.

SUN OIL COMPANY - Woodman Federal #3 in Unit H of Section 29-8-30. Completed in San Andres on December 13, 1967. Top of Perforations 3340'.

SUN OIL COMPANY - Woodman Federal #4 in Unit G of Section 29-8-30. Completed in San Andres on December 21, 1967. Top of Perforations 3298'.

SUN OIL COMPANY - Woodman Federal #5 in Unit A of Section 29-8-30. Completed in San Andres on December 31, 1967. Top of Perforations 3342'.

ADDITION--BELL PETROLEUM COMPANY - Packer Federal #3 in Unit P of Section 32-8-30. Completed in San Andres on January 29, 1968. Top of Perforations 3376'.

ADDITION--SINGLAIR OIL & GAS COMPANY - Winkler Federal #11 in Unit F of Section 32-8-30. Completed in San Andres on January 1, 1968. Top of Perforations 3333'.

CASE 3723: (f) EXTENSION OF AN EXISTING OIL POOL (Continued)

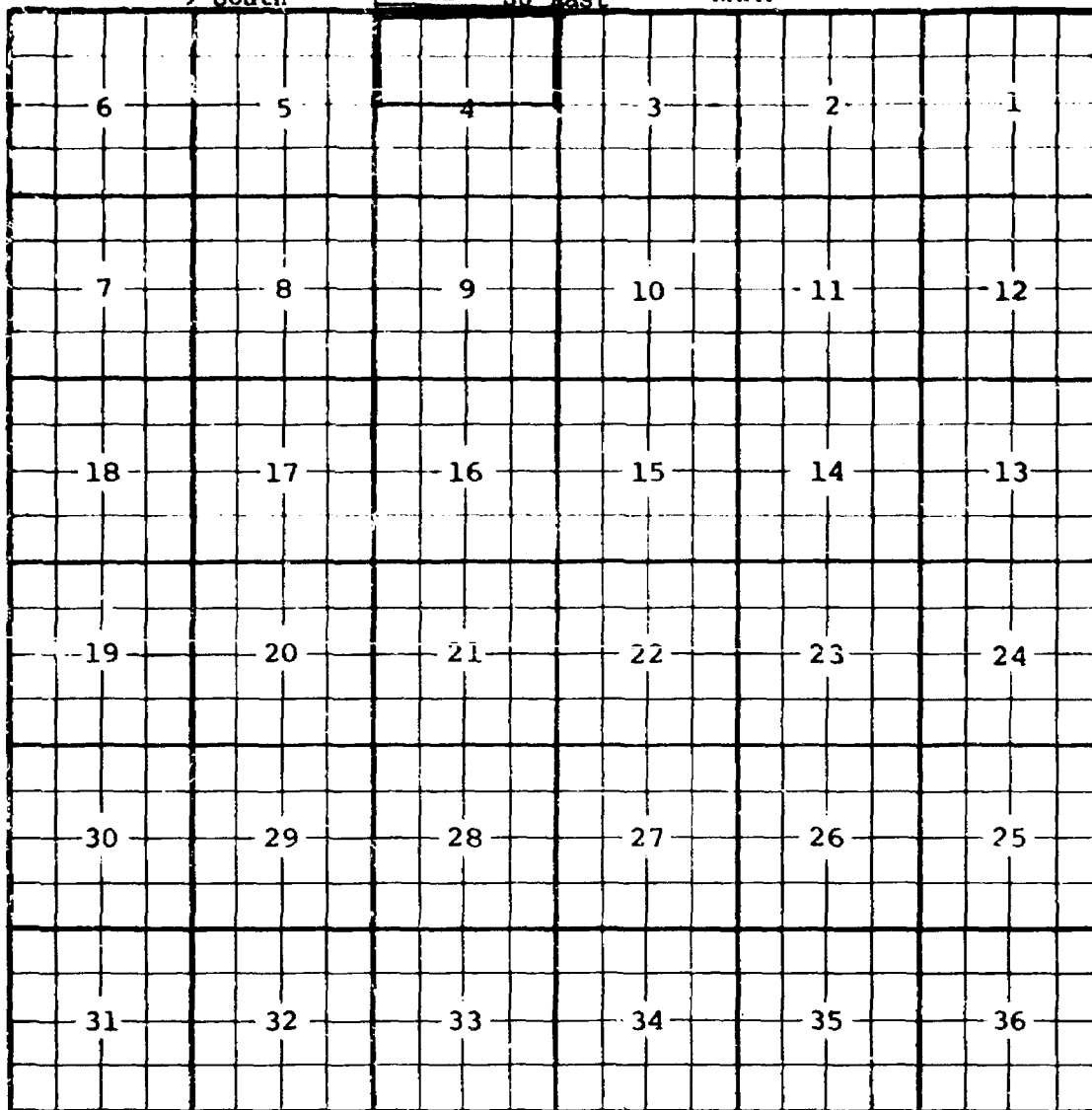
COUNTY CHAVES

POOL CATO-SAN ANDRES

TOWNSHIP 9 South

RANGE 30 East

NMPM



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

SHELL OIL COMPANY - Amco A Federal #1 in Unit C of Section 4-9-30. Completed in San Andres on December 6, 1967. Top of Perforations 3387'.

SHELL OIL COMPANY - Amco A Federal #4 in Unit E of Section 4-9-30. Completed in San Andres on January 28, 1968. Top of Perforations 3374'.

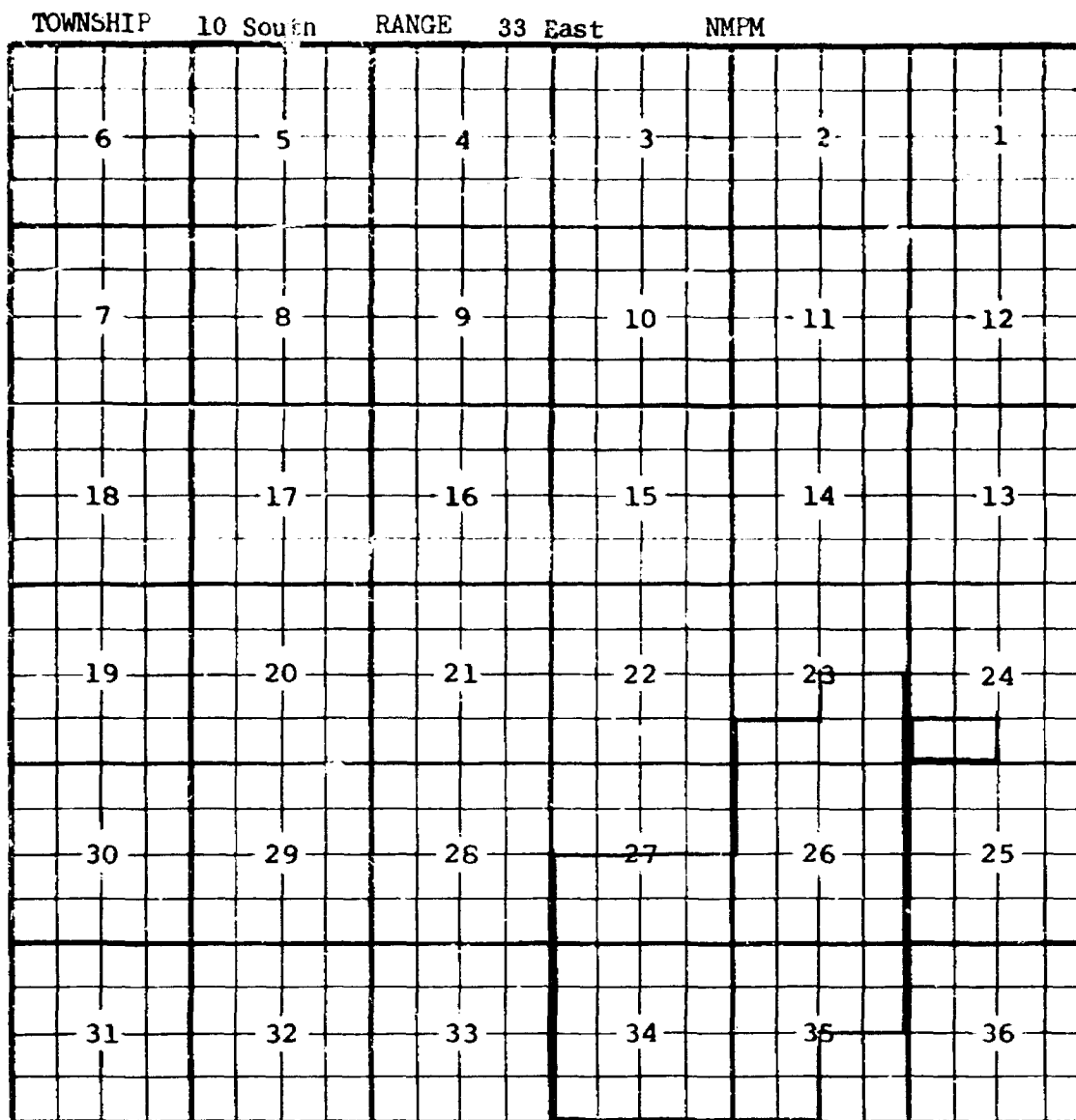
ADDITION--SHELL OIL COMPANY - Amco "A" Federal #2 in Unit G of Section 4-9-30. Completed in San Andres on January 3, 1968. Top of Perforations 3405'.

ADDITION--SHELL OIL COMPANY - Amco A Federal #3 in Unit A of Section 4-9-30. Completed in San Andres on January 20, 1968. Top of Perforations 3412'.

Pool boundary colored in red.

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

ADDITION--SECTION 4: NE/4



PURPOSE: One completed oil well capable of producing and to correct
pool nomenclature in order to include all dedicated acreage in
the pool.

CHARLES B. READ - Humble "B" #1 in Unit M of Section 24-10-33. Completed
in Bough "C" on December 10, 1967. Top of Perforations 9862'.

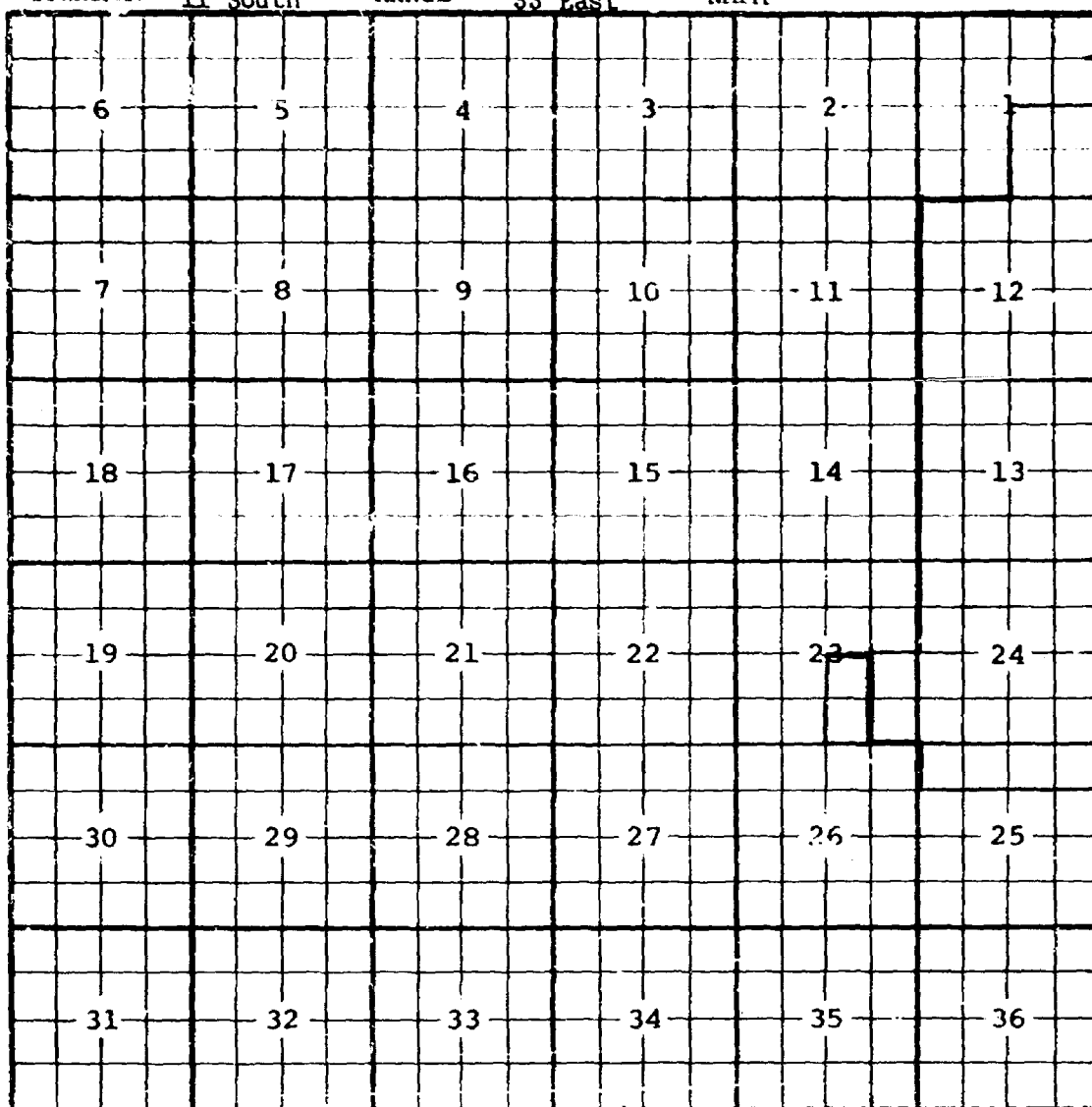
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 24: S/2 SW/4

CASE 3723: (g) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY LEA POOL INBE PERMO-PENNSYLVANIAN

TOWNSHIP 11 South RANGE 33 East NMPM



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

Pool boundary colored in red.

Proposed pool extension colored in green. ADDITION---SECTION 23: W/2 SE/4

CASE 3723: (h) EXTENSION OF AN EXISTING OIL POOL

COUNTY	Chaves		POOL	Pecos-San Andres	
TOWNSHIP	7S	RANGE	26E	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.

Dr. Sam G. Dunn, Sun Federal Well #5 in unit F of Section 28-7-26.
Completed in San Andres October 1, 1967, through perforations
1188' to 1206'.

Pool boundary colored in red.

Proposed extension colored in green.

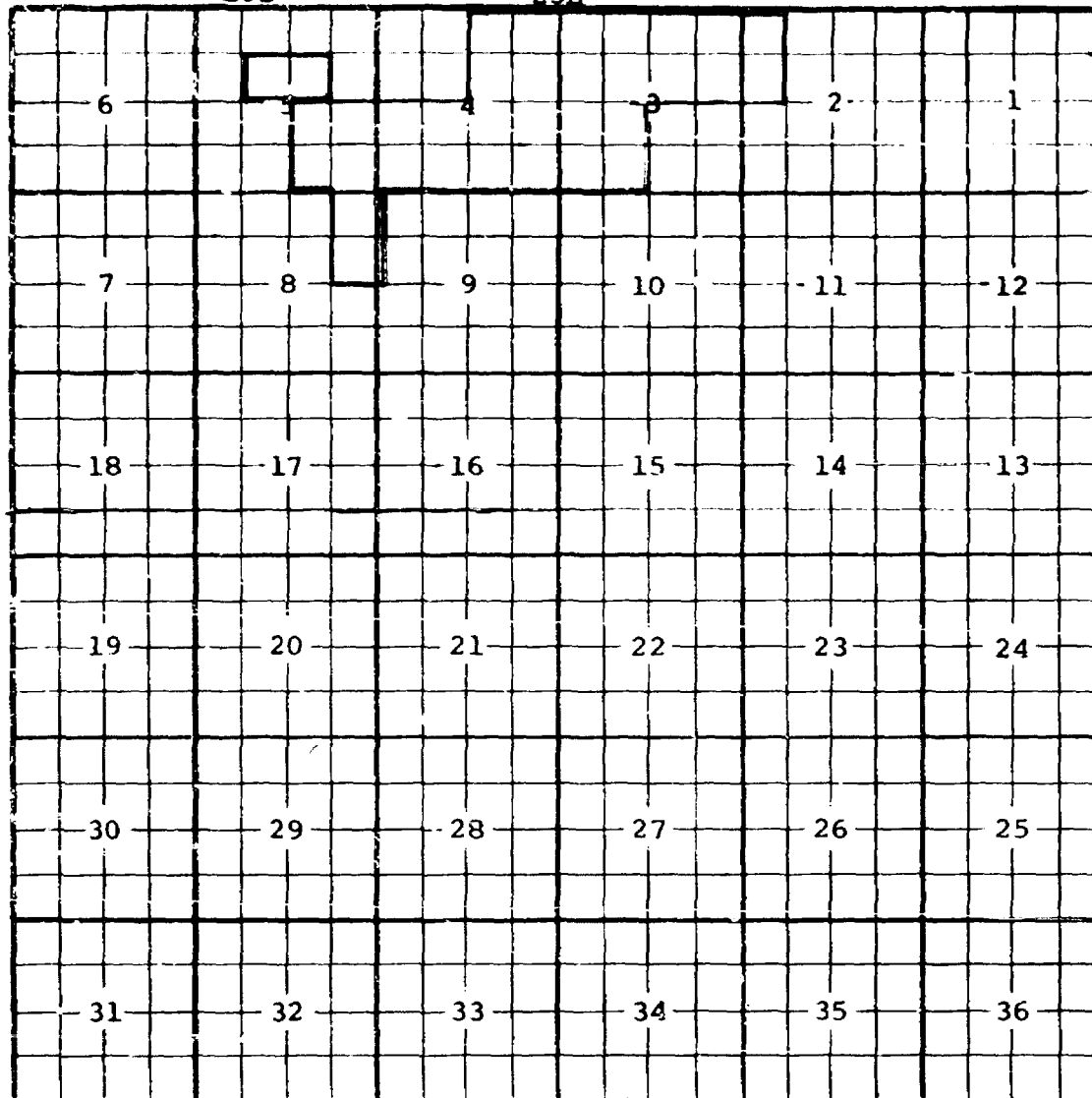
Section 28: E/2 SW/4 &

SE/4 NW/4

CASE 3723: (i) EXTENSION OF AN EXISTING OIL POOL

COUNTY Eddy POOL Penasco Draw-San Andres Yeso

TOWNSHIP 19S RANGE 25E NMPM



Purpose: One completed oil well capable of producing.

Yates Petroleum Corp. Greasewood BD Well #1 in unit F of
Section 5-19-25. Completed in San Andres Yeso June 29, 1967,
through perforations 1290' to 3300'.

Pool boundary colored in red.

Proposed extension colored in green.

Section 5: SE/4 NW/4 &
SW/4 NE/4

CASE 3723: (j) EXTENSION OF AN EXISTING OIL POOL

COUNTY	Chaves	POOL	Twin Lakes-San Andres		
TOWNSHIP	8S	RANGE	28E	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.

Cities Service Oil Co. O'Brien G Well #1 in unit O of Section 35-8-28. Completed in San Andres November 15, 1967, through perforations 2575' to 2581'.

Pool boundary colored in red.

Proposed extension colored in green.

Section 35: S/2 SE/4