

Case Number
4596

Application

Transcripts

Small Exhibits

ETC.

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

209 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
September 15, 1971

EXAMINER HEARING

-----)
IN THE MATTER OF:)
Southeastern New Mexico nomenclature)
case calling for an order for the)
creation, extension and abolishment)
of certain pools in Lea, Eddy and)
Chavez County, New Mexico.)
-----)

Case No. 4596

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

I N D E XPAGEJAMES E. KAPTEINA

Direct Examination by Mr. Hatch

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E X H I B I T SMarkedOffered and
Admitted

OCC Exhibit No. 1

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MR. NUTTER: Case No. 4596:

MR. HATCH: Case No. 4596. Southeastern New Mexico nomenclature case calling for an order for the creation, extension and abolishment of certain pools in Lea, Eddy, and Chavez County, New Mexico.

JAMES E. KAPTEINA

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

DIRECT EXAMINATION

BY MR. HATCH:

Q Would you identify yourself for the record, Mr. Kapteina?

A James E. Kapteina, Petroleum Engineer for the New Mexico Oil Conservation Commission.

MR. HATCH: I would like the record to show that Mr. Kapteina has already been sworn.

MR. NUTTER: Mr. Kapteina is still under oath.

BY MR. HATCH:

Q Mr. Kapteina, are you prepared to make recommendations to the Examiner concerning the creation, extension and abolishment of certain pools in Lea, Eddy and Chavez Counties, New Mexico?

A Yes, sir, I am.

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

A They are prepared in the form of Exhibit 1, Paragraphs "A" through "T".

Q All right. Would you refer to Exhibit 1 and Paragraphs "A" through "T" and point out any differences between it and the docket that has been distributed, any corrections that have been made?

A We have several additions and, as recommended, one Paragraph "H" be dismissed.

Q Let's go through them one at a time.

A All right, sir. The first addition is Paragraph "E" and the addition is the NE/4 of Section 10 in Township 17 South, Range 34 East. That is an extension to the North Vacuum-Abo Pool in Lea County.

In Paragraph "G", South Carlsbad-Morrow Pool, addition in Township 22 South, Range 27 East, N/2 of Section 30 and Township 22 South Range 26 East, S/2 of Section 2.

In Paragraph "H" it is recommended that Paragraph "H" be dismissed pending further study.

Paragraph "I" in addition to the extension shown to the Double L-Queen Associated Pool, in Township 14

South, Range 29 East, the addition, N/2 of SE/4 and SW/4 of SW/4 of Section 23 and W/2 of SW/4 of Section 25, the S/2 of Section 26, SW/4 of the SE/4 of Section 36.

Paragraph J, in addition to extension shown in Township 17 South, Range 25 East, the SE/4 of Section 21, the NW/4 of NW/4 of Section 27, N/2 of NE/4 Section 28.

In Paragraph T, in addition to the extension shown to the Vada-Pennsylvanian Pool in Township 8 South, Range 34 East, the SE/4 Section 35; in Township 8 South, Range 35 East, the SE/4 Section 31.

Q Do you recommend that the pools in Paragraphs "A" through "T" can be created, extended and abolished as shown on the Docket and as you have moved, that Paragraph "H" be dismissed?

A Yes, sir.

Q As you have corrected it?

A Yes, that is my recommendation, yes, sir.

Q Was Exhibit 1 prepared by you or some member of the Staff?

A This Exhibit 1 was prepared by the Staff at the Hobbs Office.

MR. HATCH: I would like to move the introduction of Exhibit No. 1.

MR. NUTTER: OCC Exhibit No. 1 in Case No. 4596
will be admitted in evidence.

(Whereupon, OCC Exhibit No. 1
was marked for identification,
offered and admitted in
evidence.)

MR. NUTTER: Mr. Hatch, do you have anything
further?


MR. HATCH: No.

MR. NUTTER: Does anyone have anything to offer
in Case No. 4596?

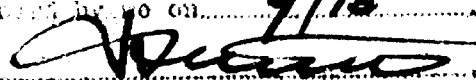
We will take the case under advisement.

STATE OF NEW MEXICO)
) SS.
COUNTY OF SANTA FE)

I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.


COURT REPORTER

My commission expires March 25, 1975.

I do hereby certify that the foregoing is a true and correct record of the hearing of the New Mexico Oil Conservation Commission held on 9/15/71 at 4594.

New Mexico Oil Conservation Commission

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. 4596
Order No. R-4194

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on September 15, 1971, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 16th day of September, 1971, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That there is need for the creation of a new oil pool in Eddy County, New Mexico, for the production of oil from the Strawn formation, said pool to bear the designation of South Hackberry-Strawn Pool. Said South Hackberry-Strawn Pool was discovered by the Perry R. Bass Big Eddy Unit Well No. 33, located in Unit P of Section 4, Township 20 South, Range 31 East, NMPM. It was completed in the Strawn formation on March 31, 1971. The top of the perforations is at 11,461 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 Maroon Cliffs-Morrow Gas Pool. Said Maroon Cliffs-Morrow Gas Pool

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CASE NO. 4596
Order No. R-4194

was discovered by the Perry R. Bass Big Eddy Unit Well No. 7, located in Unit O of Section 19, Township 20 South, Range 31 East, NMPM. It was completed in the Morrow formation on April 27, 1971. The top of the perforations is at 12,656 feet.

(4) 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 "A" formation, said pool to bear the designation of McDonald-Pennsylvanian Pool. Said McDonald-Pennsylvanian Pool was discovered by the J. M. Huber Corporation Griffin Well No. 1, located in Unit A of Section 4, Township 14 South, Range 36 East, NMPM. It was completed in the Bough "A" formation on July 20, 1971. The top of the perforations is at 10,203 feet.

(5) That there is need for the consolidation of the Northwest Vacuum-Abo Pool and the North Vacuum-Abo Pool, both in Lea County, New Mexico, inasmuch as both pools are producing from a common reservoir. Said consolidation to be accomplished by abolishing the Northwest Vacuum-Abo Pool and extending the North Vacuum-Abo Pool.

(6) That there is need for certain extensions to the Double L-Queen Associated Pool in Chaves County, New Mexico, the South Carlsbad-Morrow Gas Pool, the Eagle Creek-San Andres Pool, the Grayburg-Jackson Pool, and the Power Grayburg-San Andres Pool, all in Eddy County, New Mexico, the Blinebry Oil Pool, the Flying "M"-Pennsylvanian Pool, the Flying "M"-San Andres Pool, the Langlie-Mattix Pool, the East Shoebar-Devonian Pool, the North Vacuum-Morrow Gas Pool, the North Vacuum-Lower Wolfcamp Pool, and the Northwest Vacuum-Wolfcamp Pool, all in Lea County, New Mexico, and the Vada-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico. Further, that the proposed extension to the South Carlsbad Strawn Gas Pool, Eddy County, New Mexico, should be dismissed pending further study.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
Section 4: SE/4 SE/4

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(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 Maroon Cliffs-Morrow Gas Pool, consisting of the following described area:

TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
Section 19: S/2

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

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

(d) That the Northwest Vacuum-Abo Pool in Lea County, New Mexico, consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 2: SW/4
Section 3: NE/4 SE/4

is hereby abolished.

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 2: SW/4
Section 3: SE/4
Section 10: NE/4

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

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

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 8: NW/4

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✓ (g) That the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 26 EAST, NMPM
Section 25: S/2

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM
Section 30: All
Section 31: W/2

✓ TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM
Section 2: S/2

(h) That the proposed extension to the South Carlsbad-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM
Section 30: S/2

is hereby dismissed.

(i) That the Double L-Queen Associated Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM
Section 23: N/2 SE/4 and SW/4 SE/4
Section 25: NW/4 SE/4 and W/2 SW/4
Section 26: S/2
Section 36: SW/4 SE/4

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

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
Section 21: SE/4
Section 22: W/2
Section 27: NW/4 NW/4
Section 28: N/2 NE/4

(k) That the Flying "M"-Pennsylvanian Pool in Lea County,

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New Mexico, as heretofore classified, defined, and described,
is hereby extended to include therein:

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

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

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM
Section 9: W/2, NE/4 and N/2 SE/4

(m) That the Grayburg Jackson Pool in Eddy County, New
Mexico, as heretofore classified, defined, and described, is
hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 18: S/2 NW/4

(n) That the Langlie-Mattix 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 20: NW/4 and NW/4 SW/4

(o) That the Power Grayburg-San Andres Pool in Eddy
County, New Mexico, as heretofore classified, defined, and
described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
Section 1: NE/4 NE/4

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
Section 6: SW/4 NW/4

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

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM
Section 29: SW/4
Section 30: SE/4

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(q) That the North Vacuum-Morrow Gas 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 12: S/2

Section 14: S/2

Section 23: N/2

(r) That the North Vacuum-Lower 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 4: NW/4

(s) That the Northwest 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 5: SE/4

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

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM

Section 35: SE/4

TOWNSHIP 8 SOUTH, RANGE 35 EAST, NMPM

Section 31: SE/4

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM

Section 2: S/2 and NW/4

Section 3: NE/4

Section 7: S/2

Section 10: E/2

Section 11: N/2

IT IS FURTHER ORDERED:

(1) That, pursuant to Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules

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CASE NO. 4596
Order No. R-4194

providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-103 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

(2) That the effective date of this order and all creations, abolishments, and extensions included herein shall be October 1, 1971.

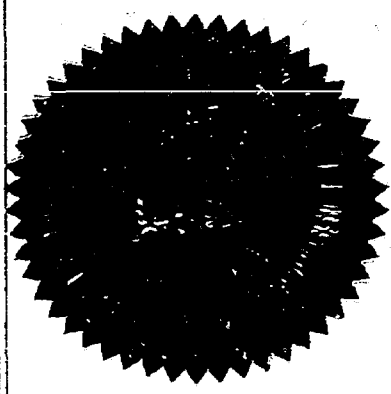
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


BRUCE KING, Chairman


ALEX J. ARMILLO, Member


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


S E A L

dr/

NEW POOLS

- a) It is recommended that a new oil pool be created and designated as the SOUTH HACKBERRY-STRAWN Pool.

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

Discovery well was Perry R. Bass - Big Eddy Unit #33 located in Unit P Section 4 Township 20 Range 31 and was completed on March 31, 1971. Top of perforations is at 11,461 feet.

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

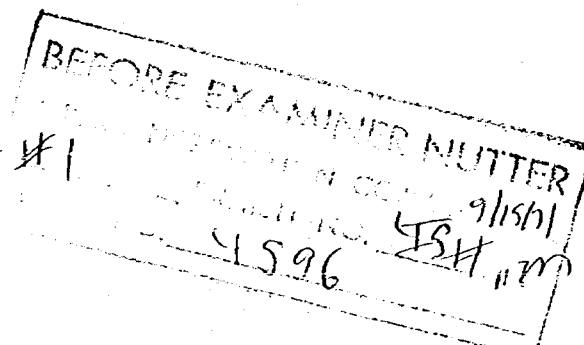
Vertical limits to be the Morrow formation and the horizontal limits should be as follows: As shown in Paragraph (b), Exhibit I

Discovery well was Perry R. Bass - Big Eddy Unit #7 located in Unit O Section 19 Township 20 Range 31 and was completed on April 27, 1971. Top of perforations is at 12,656 feet.

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

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

Discovery well was J. M. Huber Corporation - Griffin #1 located in Unit A Section 4 Township 14 Range 36 and was completed on July 20, 1971. Top of perforations is at 10,203 feet.



CASE 4596: (a) CREATION OF A NEW OIL POOL

COUNTY Eddy POOL South Hackberry Strawn

TOWNSHIP 20S RANGE 31E 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.

Discovery well: Perry R. Bass, Big Eddy Unit #33 in unit P,
Section 4-T20S-R31E. Completed on March 31, 1971, through Strawn
Perforations from 11461 to 11496.

Proposed pool boundary outlined in green.

Sec. 4: SE/4 SE/4

CASE 4596: (b) CREATION OF A NEW GAS POOL

COUNTY Eddy POOL Maroon Cliffs-Morrow Gas

TOWNSHIP	20S	RANGE	31E	NM1M
6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35
				36

Purpose: One completed gas well capable of producing.

Discovery Well: Perry R. Bass, Big Eddy Unit #7 in unit O, Section 19-T20S-R31E. Completed April 27, 1971, through Morrow perforations from 12656' to 12948'.

Proposed pool boundary outlined in green.

Sec. 19: S/2;

CASE 4596: (c) CREATION OF A NEW OIL POOL

COUNTY LEA POOL McDONALD-PENNSYLVANIAN

TOWNSHIP 14 South RANGE 36 East NMM

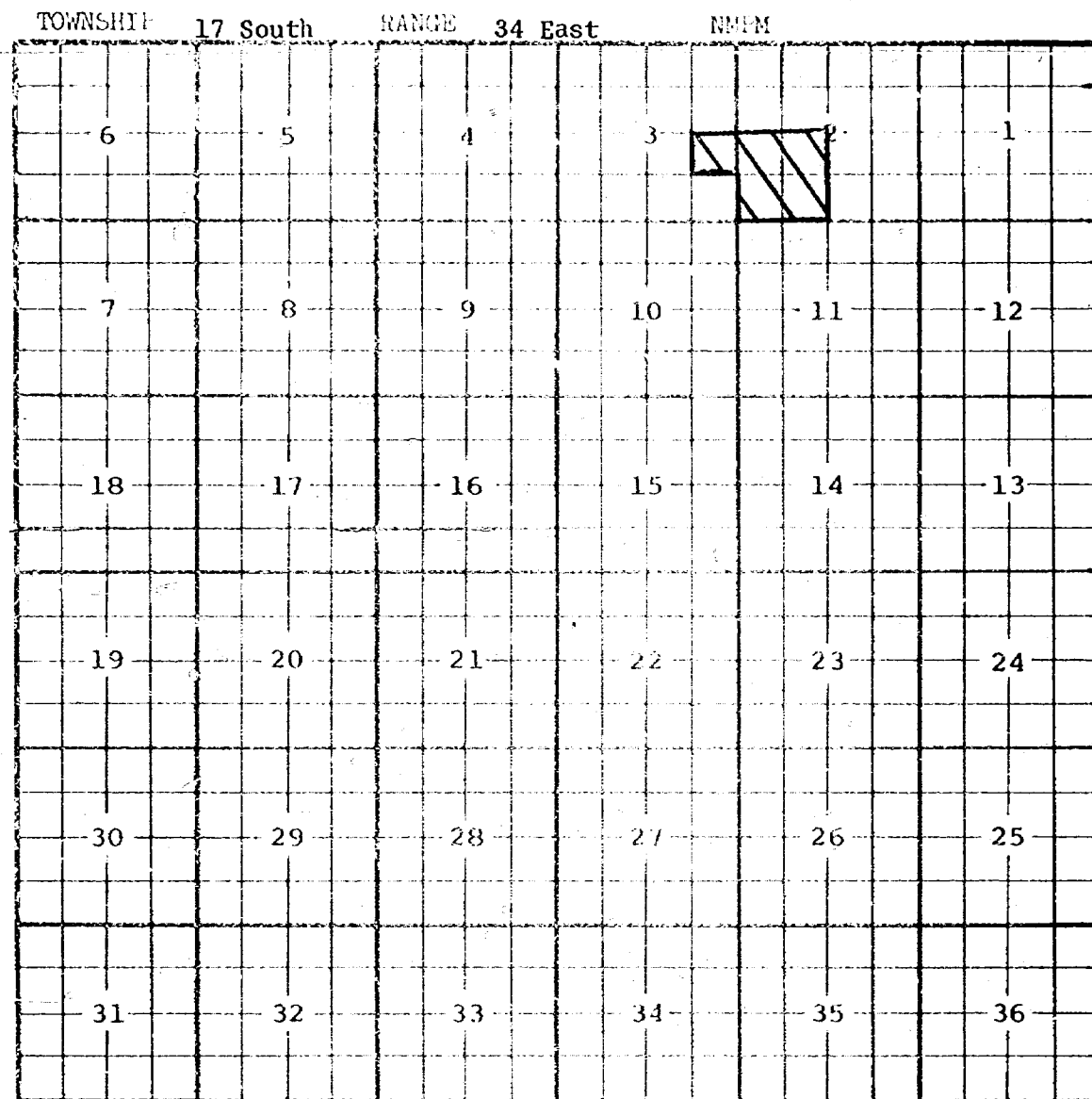
PURPOSE: One completed oil well capable of producing.

J. M. HUBER CORPORATION - Griffin #1 in Unit A of Section 4-14-36. Com-
pleted in Bough "A" on July 20, 1971. Top of Perforations 10,203'.

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

CASE 4596: (d) ABOLISHMENT OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTHWEST VACUUM-ABO

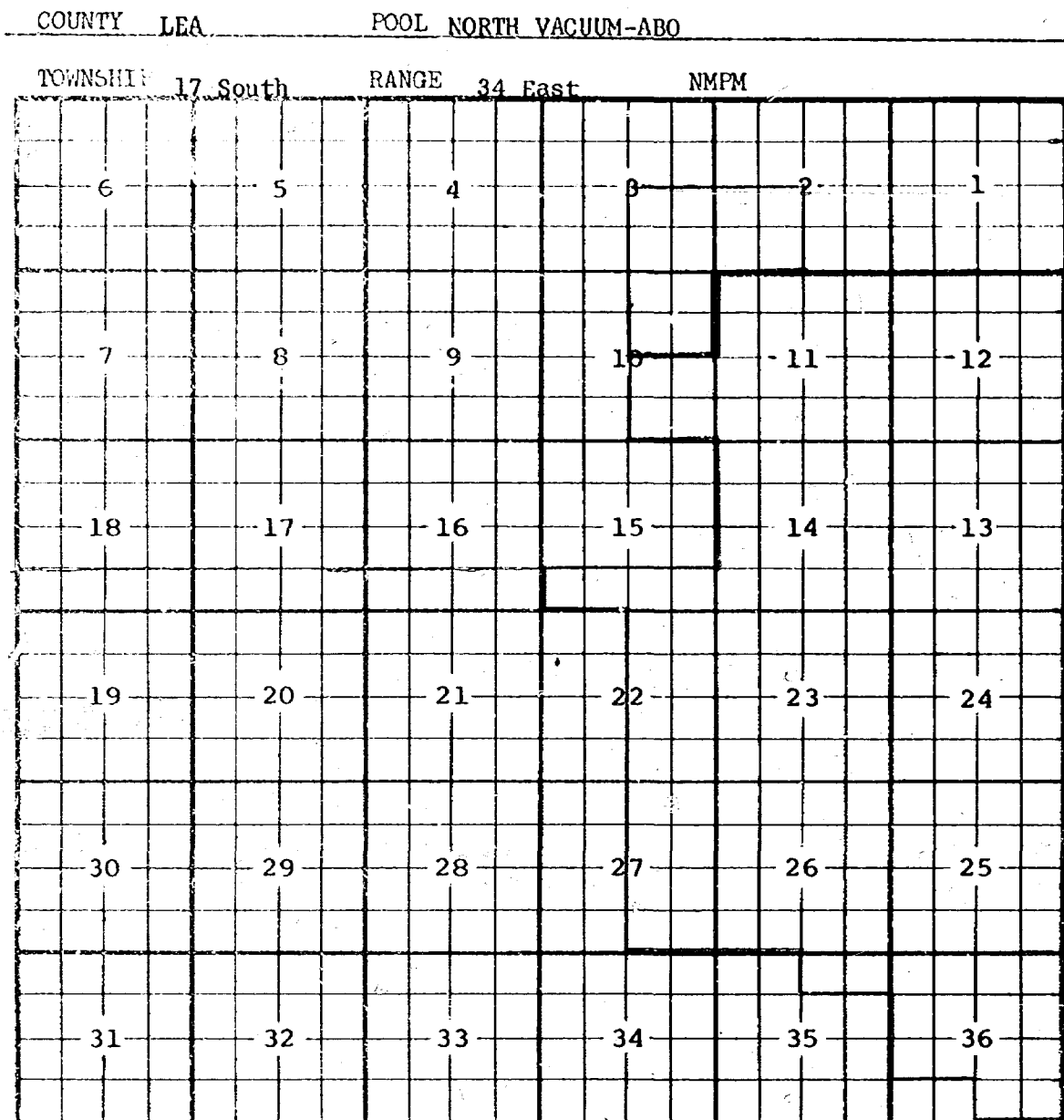


PURPOSE: Abolish the Northwest Vacuum-Abo and extend abolished acreage to the North Vacuum-Abo Pool because these two pools are contiguous and are producing from the same reservoir.

Proposed pool abolishment colored in blue. SECTION 2: SW/4

SECTION 3: NE/4 SE/4

CASE 4596: (e) EXTENSION OF AN EXISTING OIL POOL



PURPOSE: To take in abolished acreage from the Northwest Vacuum-Abo Pool.

ADDITION--MOBIL OIL CORPORATION - Bridges State #166 in Unit H of Section 10-17-34. Completed in Abo on August 11, 1971. Top of Perforations 8628'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 2: SW/4

SECTION 3: SE/4

ADDITION-----SECTION 10: NE/4

CASE 4596: (f) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY	LEA	POOL	BLINEBRY OIL		
TOWNSHIP	21 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: Two completed oil wells capable of producing.

GULF OIL CORPORATION - Harry Leonard (NCT-C) #12 in Unit A of Section 36-21-36. Completed in Blinebry on July 14, 1971. Top of Perforations 5528'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 36: NE/4

CASE 4596: (f) EXTENSION OF AN EXISTING OIL POOL (Continued)

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

PURPOSE: As stated on preceding page, paragraph (f), Exhibit I.
 TEXACO, INC. - C. P. Falby "A" Federal #3 in Unit F of Section 8-22-37.
 Completed in Blinebry on July 17, 1971. Top of Perforations 5532'.
 Pool boundary colored in red.
 Proposed pool extension colored in green. SECTION 8: NW/4

CASE 4596: (g) EXTENSION OF AN EXISTING GAS POOL (Continued on next page)

COUNTY	Eddy	POOL	South Carlsbad-Morrow Gas		
TOWNSHIP	22S	RANGE	26E	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 gas well capable of producing.

Operator	Lease	# Ut.	S.T.R.	Comp.	Form.	TOP
Corinne Grace	City of Carlsbad	Com	#1-0, 25-22-26, 3-2-71,	Morrow	11566'	

Proposed extension outlined in green.
Section 25: S/2

CASE 4596: (g) EXTENSION OF AN EXISTING GAS POOL (Continued on next page)

COUNTY	Eddy		POOL	South Carlsbad-Morrow-Gas		
TOWNSHIP	22S		RANGE	27E		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: Three completed gas wells capable of producing.

Operator	Lease	# Ut. S.T.R.	Comp.	Form.	TOP
Cities Ser.Oil Co.	Spencer A	1-0, 30-22-27	6-11-71	Morrow	11401'
Morris R.Antweil	Little Jewel Com	1-F, 31-22-27	4-20-71	Morrow	11441'
<u>ADDITION</u> Cities Ser.Oil Co.	Merland B Com	1-G, 30-22-27	7-24-71	Morrow	11340'

Pool boundary outlined in red.

Proposed extension outlined in green.

Sec. 30: S/2

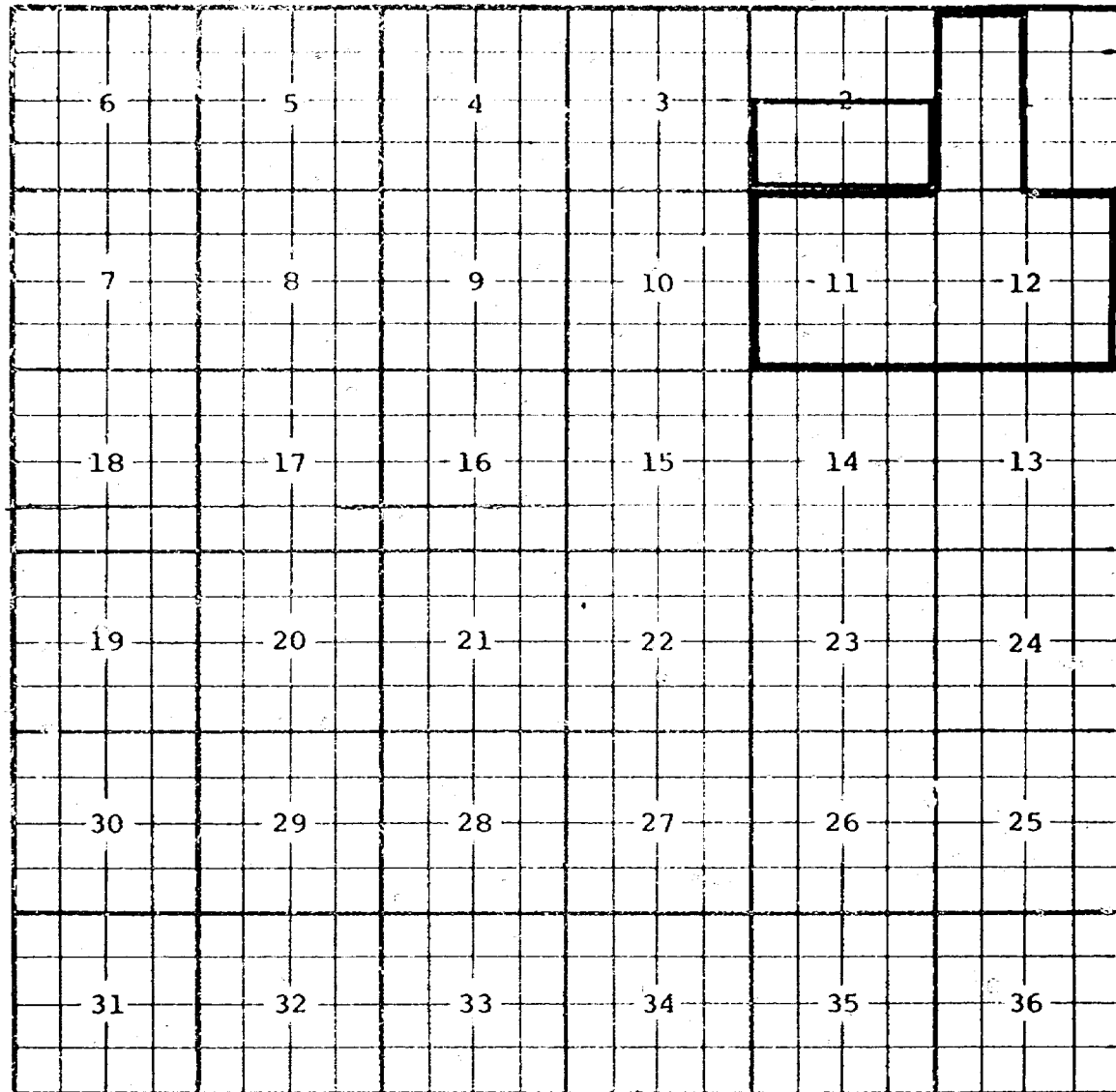
Sec. 31: W/2

Addition Sec. 30: N/2

CASE 4596: (g) EXTENSION OF AN EXISTING GAS POOL (Continued)

COUNTY Eddy POOL South Carlsbad-Morrow Gas

TOWNSHIP 23S RANGE 26E NMPM



Purpose: One completed gas well capable of producing.

	Operator	Lease	# Ut. S.T.R.	Comp.	Form	TOP
<u>ADDITION</u>	Corinne Grace	Humble Grace Com	1-P, 2-23-26	6-20-71	Morrow	11680'

Pool boundary outlined in red.

ADDITION Proposed extension outlined in green.
Sec. 2: S/2;

CASE 4596: (h) EXTENSION OF AN EXISTING GAS POOL

COUNTY Eddy POOL South Carlsbad Strawn Gas

TOWNSHIP 22S RANGE 27E NMM

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 gas well.

Operator Lease # Ut. S.T.R. Comp. Form. TOP
Cities Service Oil Co. Spencer A 1-0, 30-22-27, Strawn 10413'

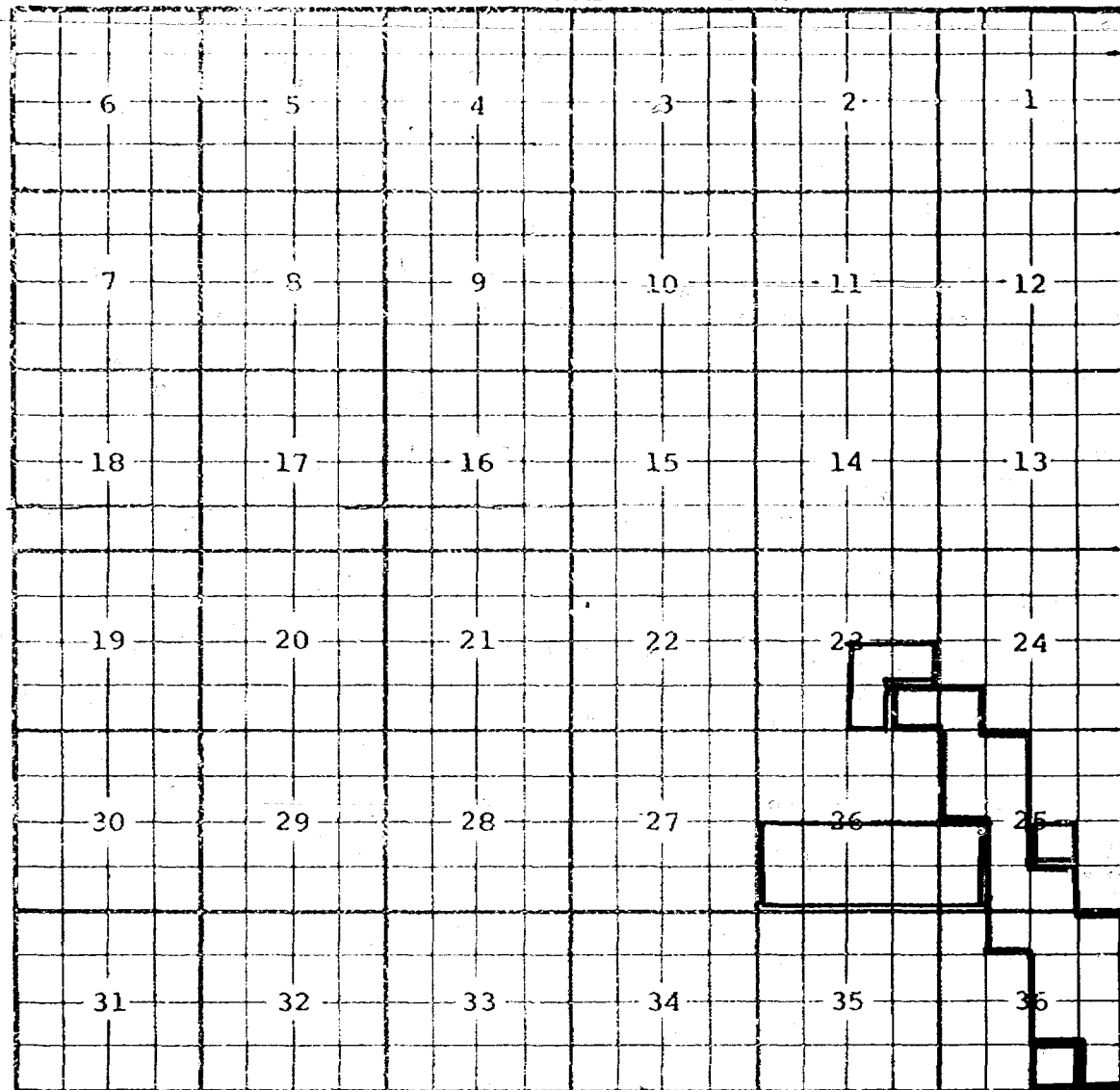
Pool boundary outlined in red.
Proposed extension outlined in green.
Sec. 30: S/2

DISMISSED

CASE 4596: (i) EXTENSION OF AN EXISTING OIL POOL

COUNTY Chaves POOL Double L-Queen Associated

TOWNSHIP 14S RANGE 29E NMFM



Purpose: One completed oil well capable of producing.
One completed gas well capable of producing.

ADDITION

"

*Three wells re-classified as per Order R-3981-A.

Operator	Lease	# Ut.	S.T.R.	Comp.	Form.	TOP
Dalport Oil Corp.	Spurck State	12-J, 25-14-29,	7-15-71	Queen	1923'	
"	Hill Federal	1-K, 26-14-29,	3-24-71	Queen	1816'	
"	Spurck State	8-P, 36-14-29,	1-19-70	Queen	1935'	
"	Amoco Prod. Co.	Falgout "A" Fed.	1-P, 23-14-29,	3-20-71	Queen	1864'
"	"	State EK	1-N, 25-14-29,	7-22-70	Queen	1892'

Pool boundary outlined in red.

Proposed extension outlined in green. Sec. 25: NW/4 SE/4

ADDITION Sec. 23: N/2 SE/4 & SW/4 SE/4,

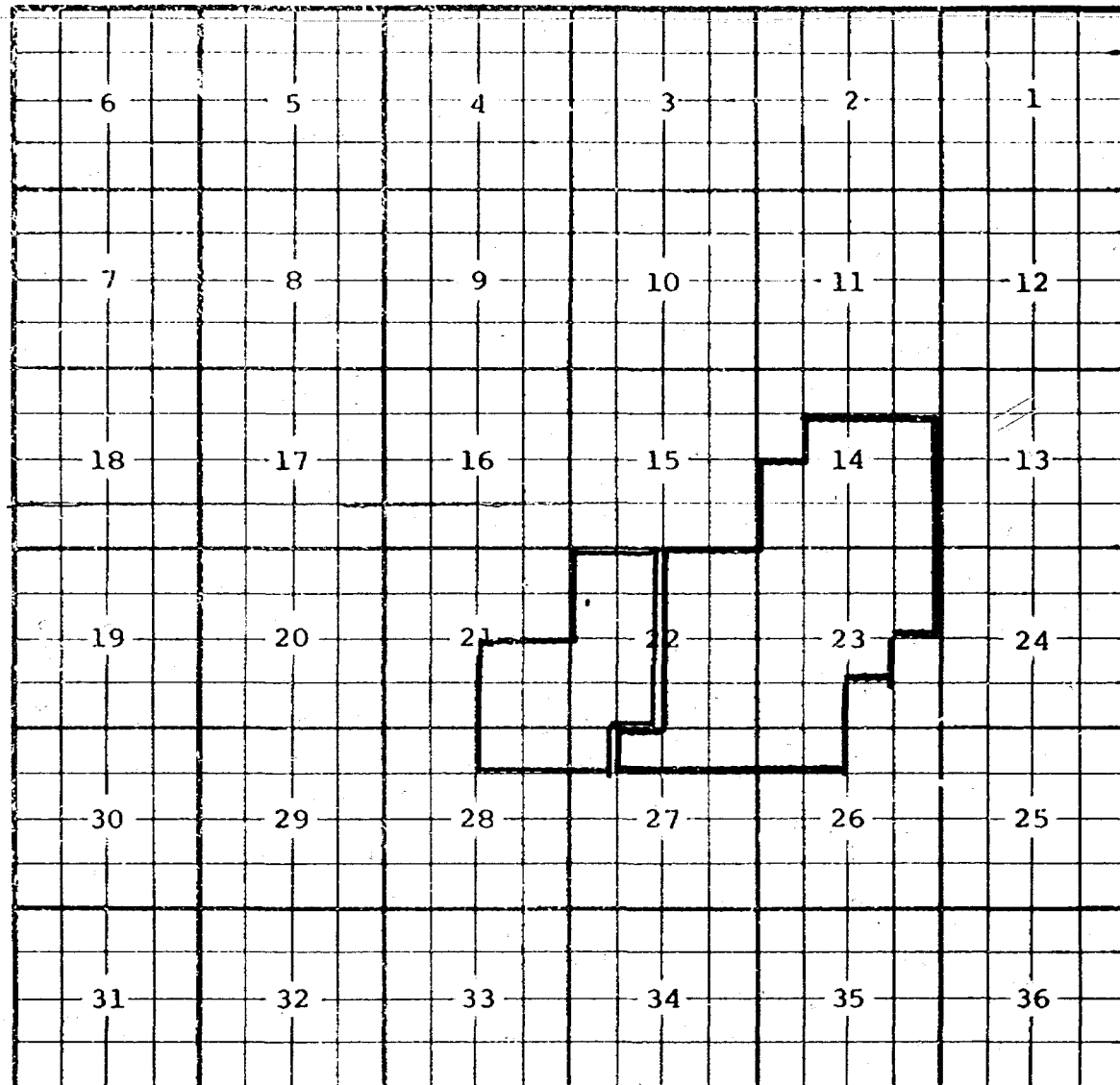
" Sec. 25: W/2 SW/4, Sec. 26: S/2,

" Sec. 36: SW/4 SE/4

CASE 4596: (j) EXTENSION OF AN EXISTING OIL POOL

COUNTY Eddy POOL Eagle Creek-San Andres

TOWNSHIP 17S RANGE 25E NMFM



Purpose: Nine completed oil wells capable of producing.

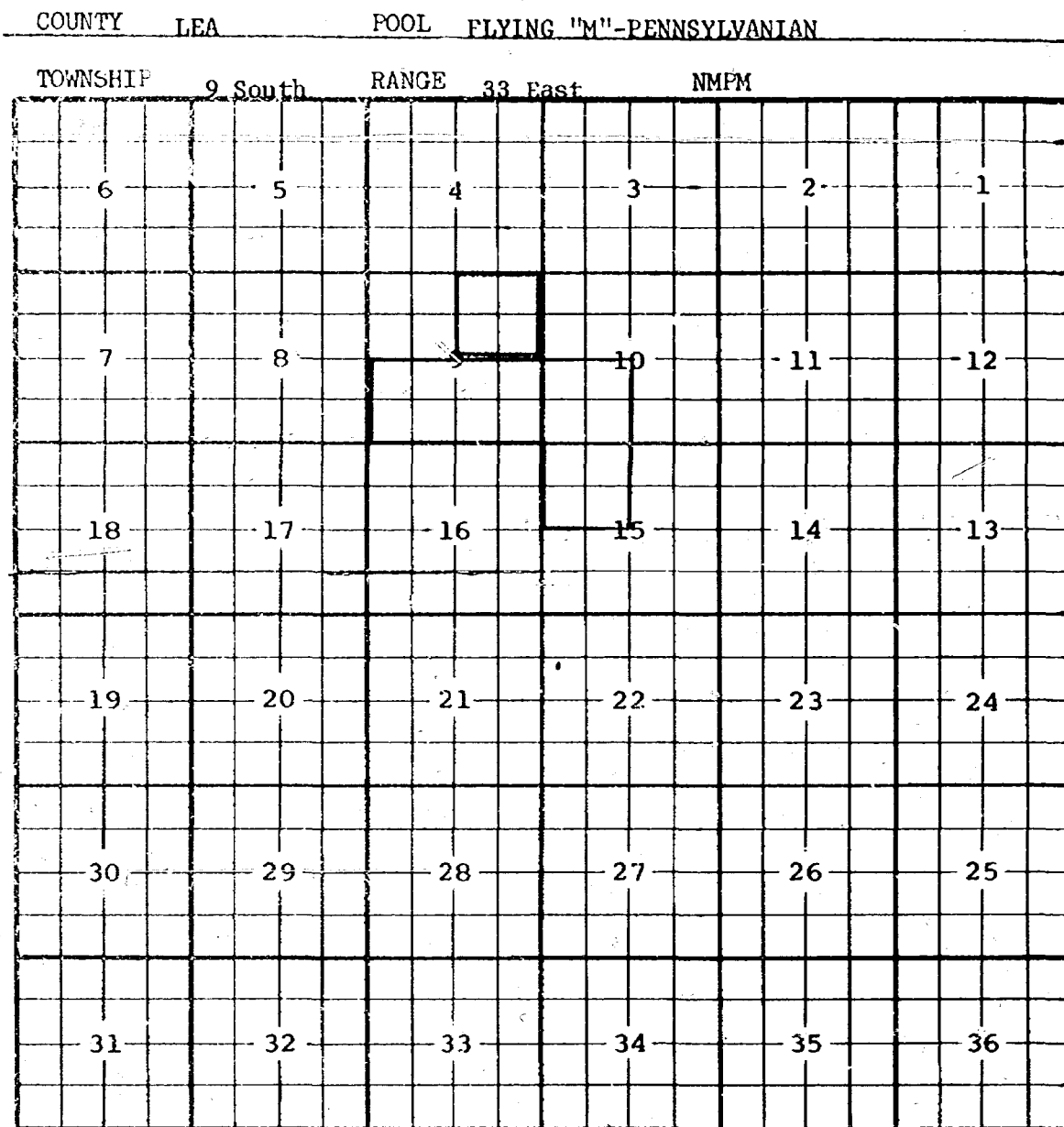
Operator	Lease	# Ut.	S.T.R.	Comp.	Form.	TOP
Yates Petr. Corp.	Federal BW	#3-N,	22-17-25,	6-25-71	SA	1313'
"	"	#4-M,	"	, 7-21-71	SA	1275'
"	Jack. Est. BY	#1-K,	"	, 7-9-71	SA	1283'
"	"	#2-F,	"	, 7-11-71	SA	1295'
"	"	#3-L,	"	, 7-22-71	SA	1289'
ADDITION	Federal BZ	#1-P,	21-17-25,	7-26-71	SA	1255'
"	"	#2-I,	"	, 8-23-71	SA	1295'
"	Federales BO	#4-C,	22-17-25,	8-11-71	SA	1289'
"	Federal BQ	#2-D,	27-17-25,	8-17-71	SA	1274'

Pool boundary outlined in red.

Proposed extension outlined in green.

	Sec. 22: W/2
Addition	Sec. 21: SE/4
"	Sec. 27: NW/4 NW/4
"	Sec. 28: N/2 NE/4

CASE 4596: (k) EXTENSION OF AN EXISTING OIL POOL



PURPOSE: One completed oil well capable of producing.

TENNECO OIL COMPANY - Coastal State #2 in Unit B of Section 9-9-33. Completed in Bough C on June 20, 1971. Top of Perforations 9372'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 9: NE/4

CASE 4596: (1) EXTENSION OF AN EXISTING OIL POOL

COUNTY	LEA	POOL	FLYING "M"-SAN ANDRES
TOWNSHIP	9 South	RANGE	33 East
			NMPM
6	5	4	3
7	8	9	10
18	17	16	15
19	20	21	22
30	29	28	27
31	32	33	34

PURPOSE: Three completed oil wells capable of producing.

TENNECO OIL COMPANY - Coastal "A" State #1 in Unit D of Section 9-9-33.

Completed in San Andres on July 23, 1971. Top of Perforations 4425'.

TENNECO OIL COMPANY - Coastal "A" State #2 in Unit B of Section 9-9-33.

Completed in San Andres on July 25, 1971. Top of Perforations 4458'.

TENNECO OIL COMPANY - Coastal "A" State #3 in Unit N of Section 9-9-33.

Completed in San Andres on August 4, 1971. Top of Perforations 4485'.

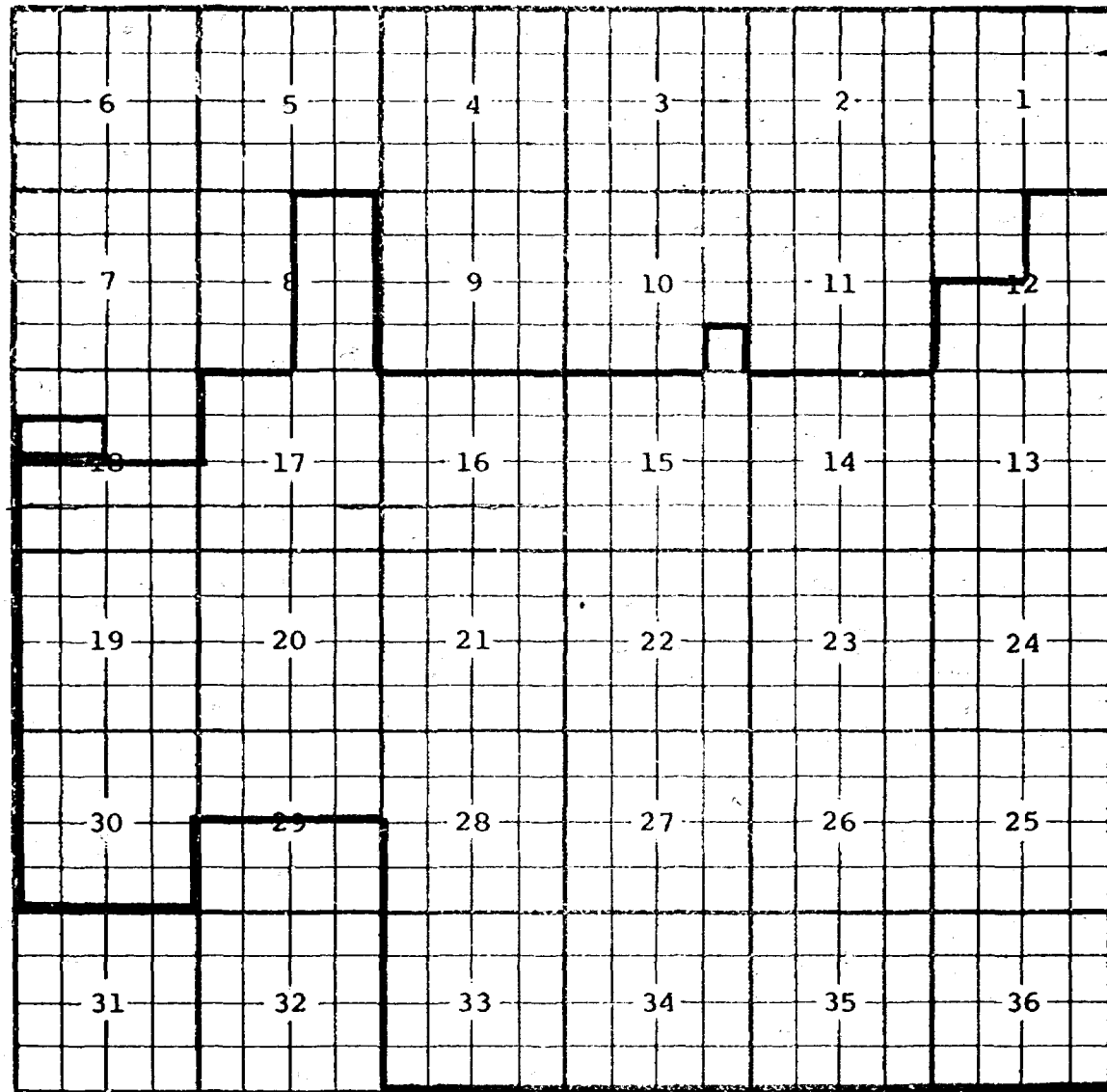
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 9: W/2, NE/4 and N/2 SE/4

CASE 4596: (m) EXTENSION OF AN EXISTING OIL POOL

COUNTY Eddy POOL Grayburg Jackson

TOWNSHIP 17S RANGE 30E NMPM



Purpose: Two completed oil wells capable of producing.

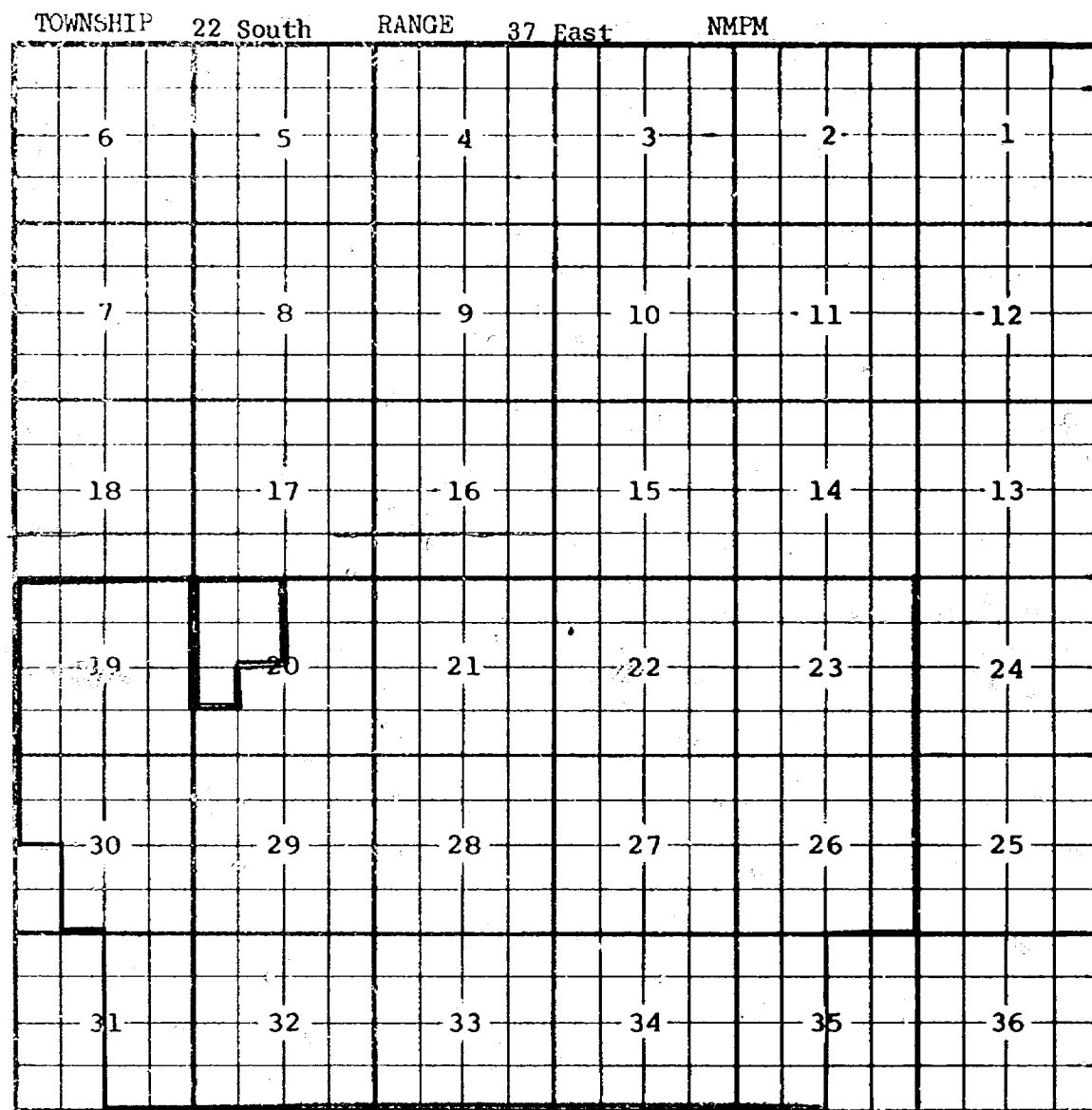
Operator	Lease	# Ut.	S.T.R.	Comp.	Form	TOP
Gen.American Oil Co. of Texas	Burch B	#23-E, 18-17-30,	7-1-71	G-SA	2450'	
"	"	#24-F, "	6-19-71	G-SA	2453'	

Pool boundary outlined in red.

Proposed extension outlined in green.

Sec. 18: S/2 NW/4;

CASE 4596: (n) EXTENSION OF AN EXISTING OIL POOL
 COUNTY LEA POOL LANGLEIE-MATTIX



PURPOSE: One completed oil well capable of producing.

MILLARD DECK - Patsy B #1 in Unit C of Section 20-22-37. Completed in Queen on August 1, 1971. Top of Perforations 3451'.

Pool boundary colored in red.

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

CASE 4596: (o) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY Eddy POOL Power Grayburg San Andres

TOWNSHIP	18S	RANGE	30E	NMPM
6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

Purpose: One completed oil well capable of producing.

Operator	Lease	# Ut.	S.T.R.	Comp.	Form	TOP
The Eastland Oil Co.	Sibyl Fed.	#1-A, 1-18-30,	7-9-71,	Gbr.	3194'	

Pool boundary outlined in red.

Proposed extension outlined in green.

Sec. 1: NE/4 NE/4;

CASE 4596: (o) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY Eddy POOL Power-Grayburg-San Andres

TOWNSHIP	18S	RANGE	31E	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.

Operator The Eastland Oil Co. Lease Kenwood Fed. # Ut. S.T.R. #2-E, 6-18-31, 7-2-71, Comp. Form. TOP 3316' Gbr.

Pool boundary outlined in red.

Proposed extension outlined in green.

Sec. 6: SW/4 NW/4;

CASE 4596: (p) EXTENSION OF AN EXISTING OIL POOL

COUNTY	LEA	POOL	EAST SHOE BAR-DEVONIAN			
TOWNSHIP	16 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.

MAJOR, GIEBEL & FORSTER - Mobil State Com #1 in Unit P of Section 30-16-36.

Completed in Devonian on July 15, 1971. Depth to Casing Shoe 12,915'.

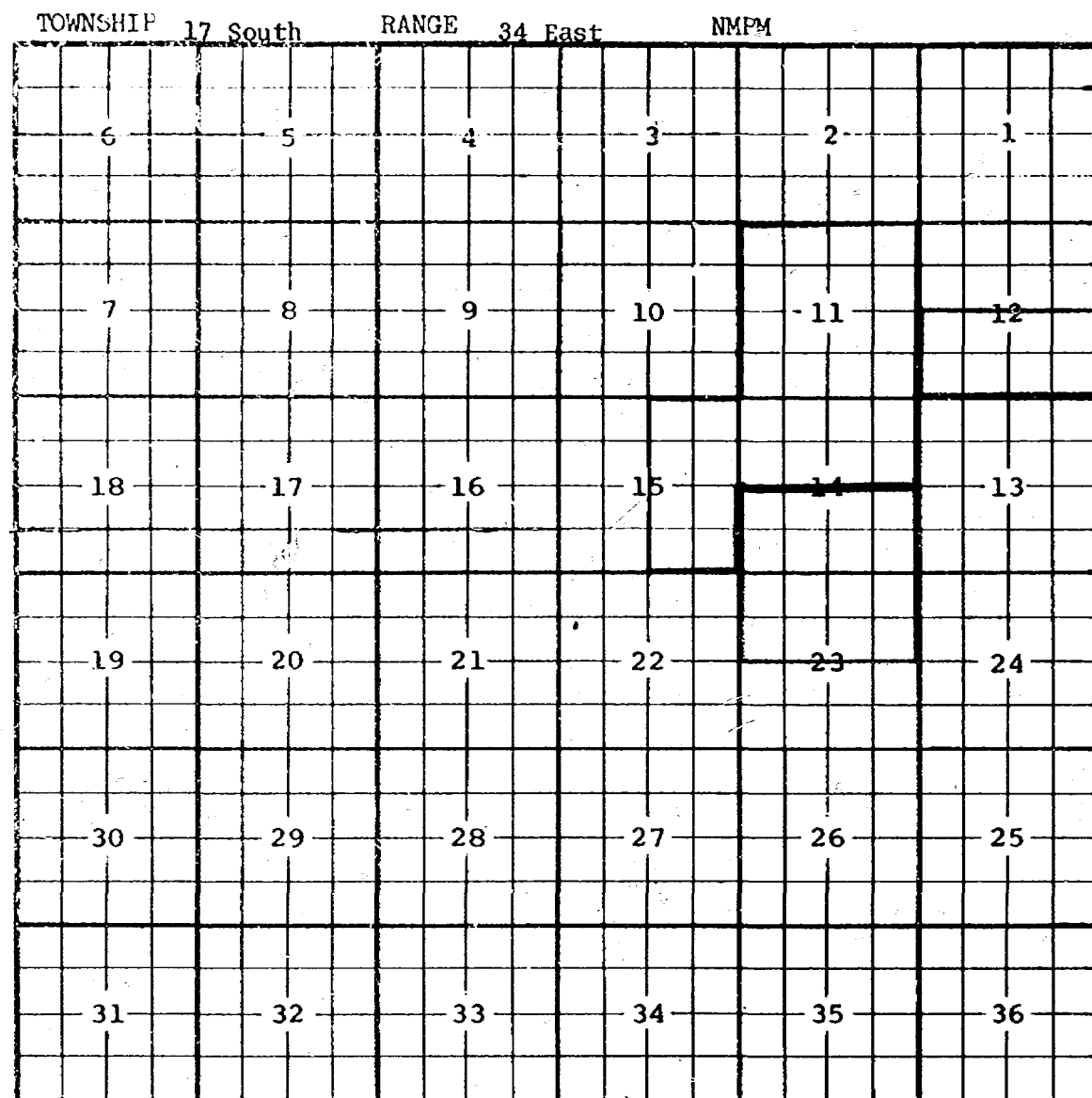
Pool boundary colored in red.

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

SECTION 30: SE/4

CASE 4596: (q) EXTENSION OF AN EXISTING GAS POOL

COUNTY LEA POOL NORTH VACUUM-MORROW GAS



PURPOSE: Two completed oil wells capable of producing.

MOBIL OIL CORPORATION - Bridges State #158 in Unit J of Section 12-17-34. Completed in Morrow on May 23, 1971. Top of Perforations 11,370'.

MOBIL OIL CORPORATION - Bridges State #151 in Unit F of Section 23-17-34. Completed in Morrow on March 19, 1971. Top of Perforations 11,853'.

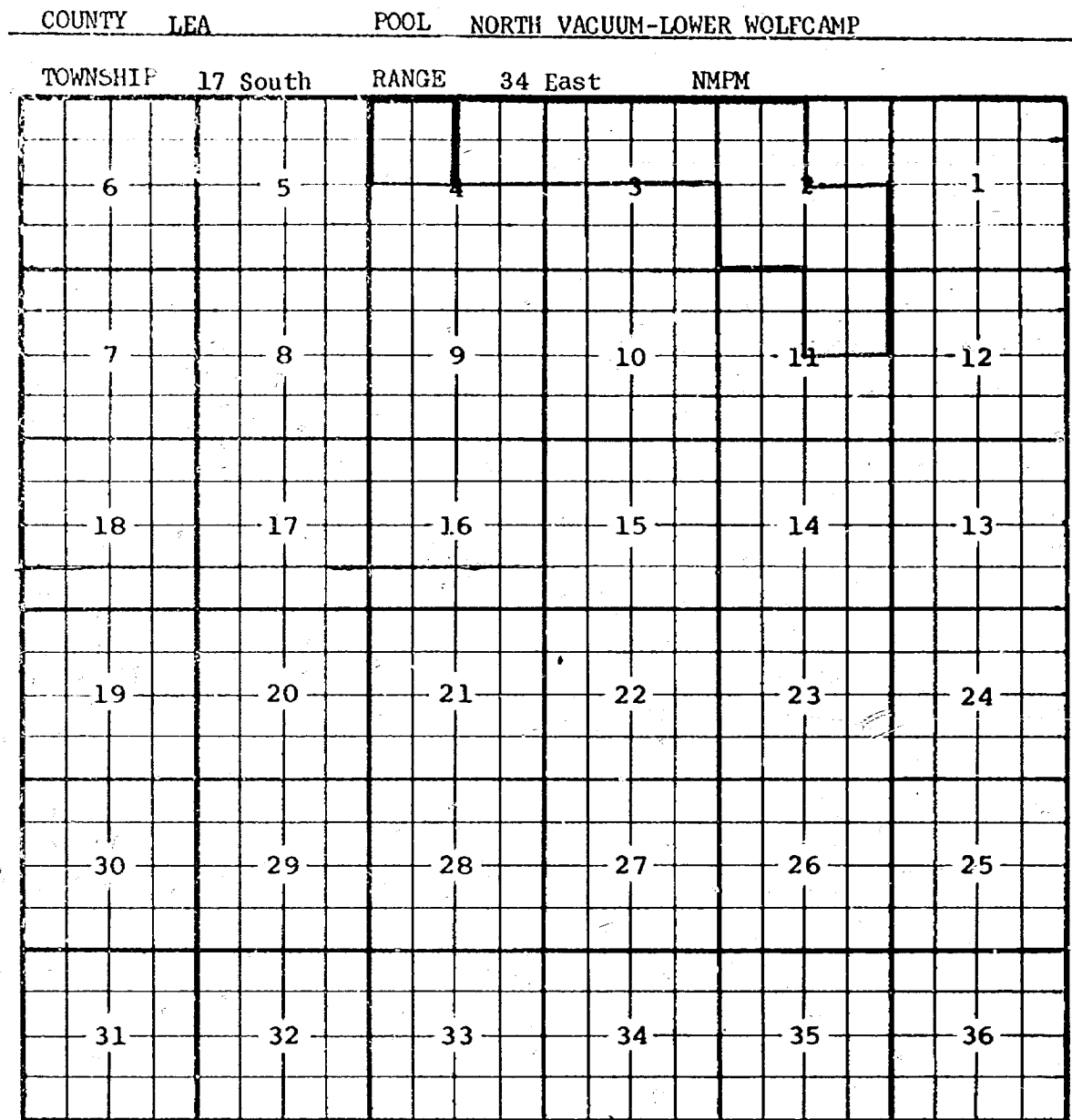
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 12: S/2

SECTION 14: S/2

SECTION 23: N/2

CASE 4596: (r) EXTENSION OF AN EXISTING OIL POOL



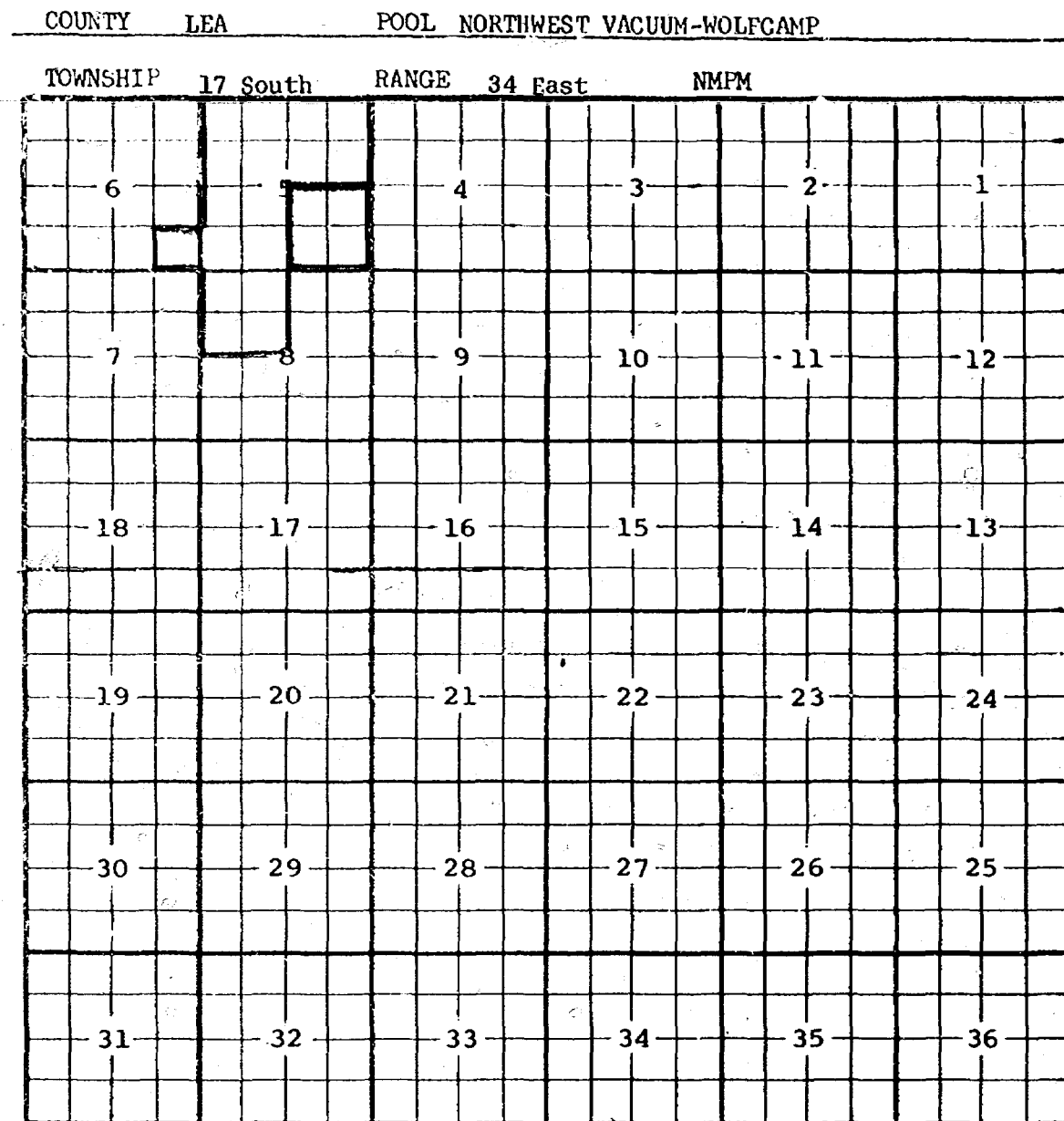
PURPOSE: One completed oil well capable of producing.

KOCH EXPLORATION COMPANY - Pennzoil Koch "B" #2 in Unit F of Section 4-17-34. Completed in Lower Wolfcamp on July 23, 1971. Top of Perforations 10,738'.

Pool boundary colored in red.

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

CASE 4596: (s) EXTENSION OF AN EXISTING OIL POOL



PURPOSE: One completed oil well capable of producing.

J. C. BARNES OIL COMPANY - Lea-Mex #2 in Unit J of Section 5-17-34. Completed in Wolfcamp on July 9, 1971. Top of Perforations 10,757'.

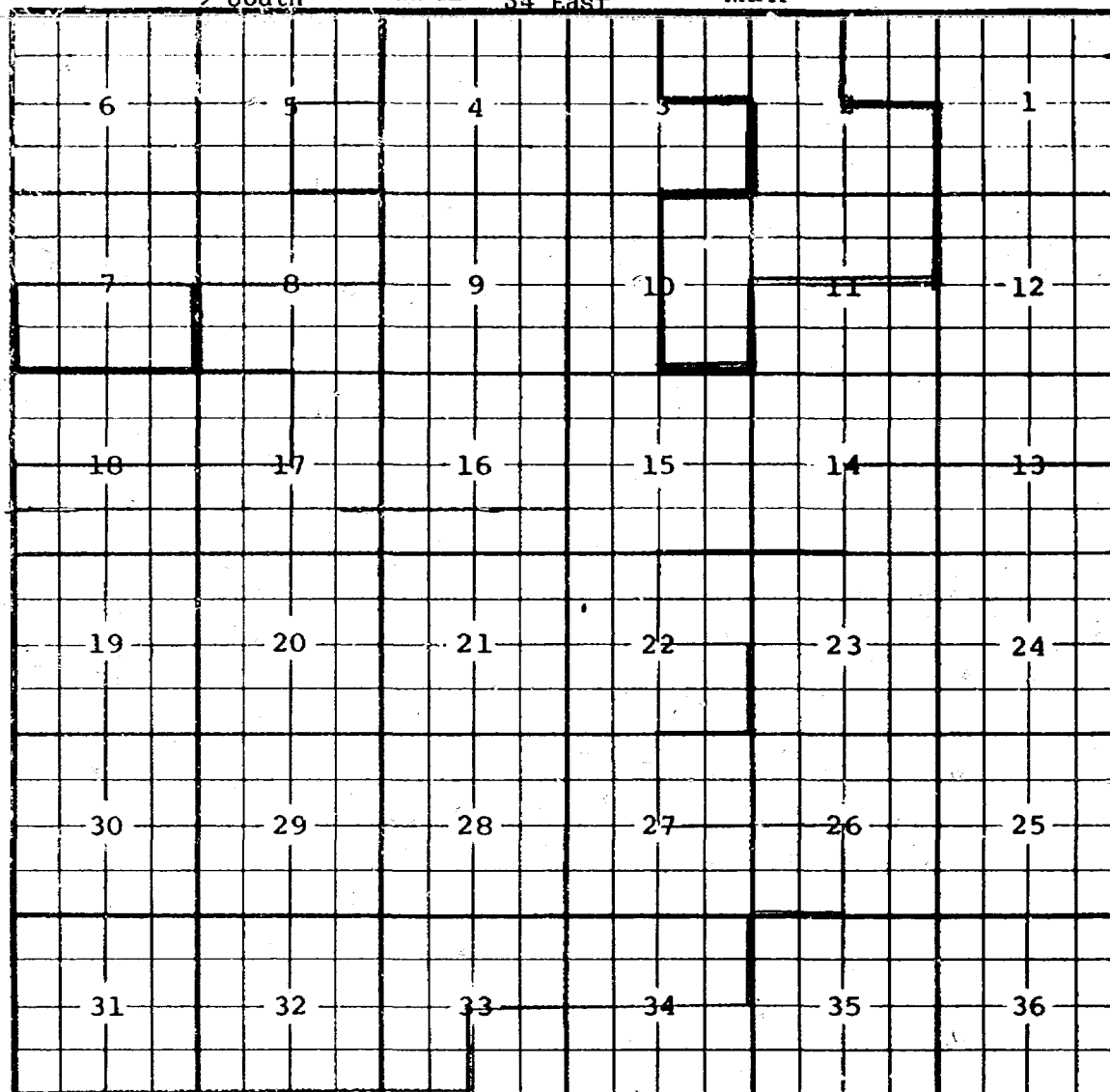
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 5: SE/4

CASE 4596: (t) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP 9 South RANGE 34 East NMFM



PURPOSE: Four completed oil wells capable of producing.

BEICO PETROLEUM CORPORATION - Midwest State #2 in Unit F of Section 2-9-34. Completed in Bough C on July 16, 1971. Top of Perforations 9645'.

BTA OIL PRODUCERS - Atem 7101 JV-D #1 in Unit B of Section 3-9-34. Completed in Bough C on July 9, 1971. Top of Perforations 9603'.

DELAWARE APACHE CORPORATION - Keohane #1 in Unit N of Section 7-9-34. Completed in Bough C on July 13, 1971. Top of Perforations 9634'.

DELAWARE APACHE CORPORATION - U. S. Young Comm #1 in Unit J of Section 7-9-34. Completed in Bough C on August 23, 1971. Top of Perforations 9688'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 2: S/2 and NW/4

SECTION 3: NE/4

SECTION 7: S/2

SECTION 10: E/2

SECTION 11: N/2

CASE 4596: (t) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY ROOSEVELT POOL VADA-PENNSYLVANIAN

TOWNSHIP 8 South RANGE 34 East NMPM

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

ADDITION--WESTERN STATES PRODUCING COMPANY - Bond #1 in Unit P of Section

35-8-34. Completed in Bough "C" on August 3, 1971. Top of

Perforations 9619'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 35: SE/4

CASE 4596: (t) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY	ROOSEVELT	POOL	VADA-PENNSYLVANIAN		
TOWNSHIP	8 South	RANGE	35 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: As stated on preceding page, paragraph (t), Exhibit I.
 ADDITION--WESTERN STATES PRODUCING COMPANY - Pan-Am Federal #1 in Unit P
 of Section 31-8-35. Completed in Bough "C" on August 5, 1971.
 Top of Perforations 9757'.

Pool boundary colored in red.

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

NOMENCLATURE ADVERTISEMENT FOR SEPTEMBER, 1971

CASE 4596 258

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, the abolishment of an existing pool in Lea County, 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, abolishments, and extensions should not be made.

a) CREATE A new pool in Eddy County, New Mexico, classified as an oil pool for Strawn production and designated as the South Hackberry-Strawn Pool. The discovery well is Perry R. Bass, Big Eddy Unit No. 33 located in Unit P of Section 4, Township 20 South, Range 31 East, NMPM. Said pool described as:

✓ TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
SECTION 4: SE/4 SE/4

b) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Maroon Cliffs-Morrow Gas Pool. The discovery well is Perry R. Bass, Big Eddy Unit No. 7 located in Unit O of Section 19, Township 20 South, Range 31 East, NMPM. Said pool described as:

✓ TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
SECTION 19: S/2

c) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production and designated as the McDonald-Pennsylvanian Pool. The discovery well is J. M. Huber Corporation, Griffin No. 1 located in Unit A of Section 4, Township 14 South, Range 36 East, NMPM. Said pool described as:

✓ TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM
SECTION 4: NE/4

d) ABOLISH the Northwest Vacuum-Abo Pool in Lea County, New Mexico, described as:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 2: SW/4
SECTION 3: NE/4 SE/4

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

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 2: SW/4
SECTION 3: SE/4

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

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

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

September, 1971 Nomenclature

g) EXTEND the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 22 SOUTH, RANGE 26 EAST, NMPM
SECTION 25: S/2

✓ TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM
SECTION 30: S/2
SECTION 31: W/2

h) EXTEND the South Carlsbad-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM
SECTION 30: S/2

i) EXTEND the Double L-Queen Associated Pool in Chaves County, New Mexico, to include therein:

✓ TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM
SECTION 25: NW/4 SE/4

j) EXTEND the Eagle Creek-San Andres Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
SECTION 22: W/2

k) EXTEND the Flying "M"-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

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

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

✓ TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM
SECTION 9: W/2, NE/4, and N/2 SE/4

m) EXTEND the Grayburg Jackson Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
SECTION 18: S/2 NW/4

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

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

September, 1971 Nomenclature

o) EXTEND the Power Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
SECTION 1: NE/4 NE/4

✓ TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
SECTION 6: SW/4 NW/4

p) EXTEND the East Shoebar-Devonian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM
SECTION 29: SW/4
SECTION 30: SE/4

q) EXTEND the North Vacuum-Morrow Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 12: S/2
SECTION 14: ~~N/2~~ S/2
SECTION 23: N/2

r) EXTEND the North Vacuum-Lower Wolfcamp Pool in Lea County, New Mexico, to include therein:

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

s) EXTEND the Northwest Vacuum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 5: SE/4

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

✓ TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
✓ SECTION 2: S/2 and NW/4
✓ SECTION 3: NE/4
✓ SECTION 7: S/2
✓ SECTION 10: E/2
✓ SECTION 11: N/2

CASE 4597: Application of MORRIS
R. ANTWEIL FOR LEASE COMMINGLING
AND OFF-LEASE STORAGE, EDDY CO.