

CASE 4028:

SOUTHEASTERN NEW MEXICO  
NOMENCLATURE

Case Number

4028

Application  
Transcripts.

Small Exhibits

ETC.

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

1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

January 15, 1969

REGULAR HEARING

-----  
IN THE MATTER OF: )  
)  
)

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

Case No. 4028

BEFORE: A. L. Porter, Jr., Secretary-Director  
Alex J. Armijo, Land Commissioner  
Governor David F. Cargo, Chairman  
George Hatch, Counsel

TRANSCRIPT OF HEARING

MR. HATCH: Case 4028, Southeastern nomenclature case calling for an order for the creation, extension and abolishment of certain pools in Lea, Chaves, Roosevelt and Eddy Counties, New Mexico.

(Witness sworn.)

(Whereupon, Commission's Exhibit Number 1, inclusive, was marked for identification.)

R. L. STAMETS

called as a witness by the Commission, 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 I am R. L. Stamets, geologist with the New Mexico Oil Conservation Commission, stationed in Artesia, New Mexico.

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

A Yes, sir.

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

A Yes, we have an exhibit which is labeled OCC Exhibit

Number 1 in Case 4028. This includes paragraphs A through L.

Q Would you please refer to Exhibit 1 and paragraphs A through L of the docket that has been printed, and point out any corrections that need to be made?

A In paragraph D, we have certain additions, as follows:  
In Township H South, Range 36 East, we have the addition of Section 31 south half.

In Township 9 South, Range 36 East, in this same paragraph, we have the additions of Section 7 northeast quarter, Section 8 west half, Section 9 northwest quarter; addition of Township 8 South, Range 35 East, Section 36, southeast quarter.

Further, in paragraph J, Township 9 South, Range 34 East, we have the addition of Section 12, east half.

Q Are all the others correct as they appear on the docket?

A Yes, sir.

Q Do you recommend to the Commission that the pools in paragraphs A through L be created, extended, and abolished as advertised and as corrected in this hearing?

A Yes, sir.

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

A This exhibit was prepared partially by our Artesia office, and partially by Hobbs, and I have checked the exhibit.

MR. HATCH: I would like to move the introduction of the exhibit.

MR. PORTER: Without objection, the exhibit will be admitted. Are there any questions of Mr. Stamets? You may be excused.

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

If there is nothing further to be offered in this case, we will take the case under advisement, and the hearing is adjourned.

I N D E X

<u>WITNESS</u>		<u>PAGE</u>
R. L. STAMETS		
Direct Examination by Mr. Hatch		2

<u>EXHIBITS</u>	<u>MARKED</u>	<u>OFFERED AND ADMITTED</u>
Commission's Exhibit Number 1	2	4

STATE OF NEW MEXICO    )  
                              )   ss.  
COUNTY OF BERNALILLO   )

I, SAMUEL MORTELETTE, Court Reporter 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.

  
COURT REPORTER



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. 4028  
Order No. R-3662

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER CREATING, ABOLISHING, AND EXTENDING  
VERTICAL AND HORIZONTAL LIMITS OF 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 a.m. on January 15, 1969, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 17th day of January, 1969, 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 Chaves County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Siete-San Andres Pool. Said Siete-San Andres Pool was discovered by the H. L. Brown, Jr. Federal TM Well No. 1, located in Unit P of Section 17, Township 8 South, Range 31 East, NMPM. It was completed in the San Andres formation on November 12, 1968. The top of the perforations is at 3712 feet.

(3) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the

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Order No. R-3662

Morrow formation, said pool to bear the designation of Vacuum-Morrow Gas Pool. Said Vacuum-Morrow Gas Pool was discovered by the Phillips Petroleum Company Lea Well No. 23, located in Unit P of Section 30, Township 17 South, Range 34 East, NMPM. It was completed in the Morrow formation on August 7, 1968. The top of the perforations is at 13,224 feet.

(4) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Wolfcamp formation, said pool to bear the designation of Wilson-Wolfcamp Gas Pool. Said Wilson-Wolfcamp Gas Pool was discovered by the Phillips Petroleum Company Wilson "J" Well No. 1, located in Unit O of Section 5, Township 21 South, Range 35 East, NMPM. It was completed in the Wolfcamp formation on October 2, 1968. The top of the perforations is at 10,396 feet.

(5) That there is need for the consolidation of the East Inbe-Pennsylvanian Pool and the Vada-Pennsylvanian Pool, both in Lea County, New Mexico, inasmuch as both pools produce from the same source of supply. Said consolidation to be accomplished by the abolishment of the East Inbe-Pennsylvanian Pool and the expansion of the Vada-Pennsylvanian Pool.

(6) That there is need for the extension of the vertical limits of the South Hope-Strawn Gas Pool in Eddy County, New Mexico, to include all of the Pennsylvanian formation and redesignate said pool as the South Hope-Pennsylvanian Gas Pool.

(7) That there is need for certain extensions to the South Hope-Pennsylvanian Gas Pool in Eddy County, New Mexico, the Middle Allison-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, the North Bagley-Lower Pennsylvanian Pool, the Cerca-Upper Pennsylvanian Pool, the Flying "M"-Pennsylvanian Pool, the Inbe Permo-Pennsylvanian Pool, the Teague-Blinbry Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 8 SOUTH, RANGE 31 EAST, NMPM  
Section 17: SE/4

CASE No. 4028  
Order No. R-3662

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
Section 30: E/2

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

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM  
Section 5: Lots 9, 10, 15, and 16

(d) That the Middle Allison-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 35 EAST, NMPM  
Section 36: SE/4

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM  
Section 31: S/2  
Section 33: SW/4

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM  
Section 1: SE/4

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM  
Section 4: SE/4  
Section 6: All  
Section 7: NE/4  
Section 8: W/2  
Section 9: NW/4

(e) 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 7: SE/4  
Section 30: NW/4  
Section 32: SE/4

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CASE No. 4028

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

TOWNSHIP 13 SOUTH, RANGE 34 EAST, NMPM

Section 33: SE/4

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

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM

Section 10: SW/4

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

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM

Section 20: NE/4

(i) That the East Inbe-Pennsylvanian Pool in Lea County, New Mexico, consisting of the following-described area:

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM

Section 30: SW/4

is hereby abolished.

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM

Section 12: E/2

Section 22: NW/4

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM

Section 25: E/2

Section 36: E/2

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM

Section 9: W/2

Section 16: NW/4

Section 19: S/2

Section 30: S/2

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(k) 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 25: W/2

Section 36: SE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM

Section 4: Lots 1, 2, and 3, E/2 SW/4,  
and SE/4

(l) That the vertical limits of the South Hope-Strawn Gas Pool in Eddy County, New Mexico, are hereby extended to include all of the Pennsylvanian formation and said pool is hereby re-designated the South Hope-Pennsylvanian Gas Pool. Further, that the South Hope-Pennsylvanian Gas Pool as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 23 EAST, NMPM

Section 19: All

IT IS FURTHER ORDERED:

That the effective date of this order and all creations, abolishments, and extensions of vertical and horizontal limits included herein shall be February 1, 1969.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMILLO, Member

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



esr/

DOCKET: REGULAR HEARING - WEDNESDAY - JANUARY 15, 1969

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

ALLOWABLE: (1) Consideration of the oil allowable for February, 1969;

(2) Consideration of the allowable production of gas for February, 1969, 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 February, 1969.

CASE 3996: (Continued from the December 18, 1968, Regular Hearing)  
Application of Martin Yates, III, for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's Cordie King Well No. 1 located in Unit L of Section 22, Township 23 South, Range 26 East, Dark Canyon (Delaware) Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the aforesaid quarter-quarter section.

CASE 4021: Application of Charles B. Read for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's well located in Unit C of Section 16, Township 20 South, Range 35 East, West Lea Ties-seven Rivers Pool, Lea County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the aforesaid Unit J.

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CASE 4022: Application of Ernest A. Hanson for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's Atlantic State Well No. 1 located in Unit C of Section 16, Township 20 South, Range 33 East, West Texas Water-Solvent Rivers Pool, Lea County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the aforesaid Unit C.

CASE 4023: Application of Ernest A. Hanson for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Queen formation in the perforated interval from approximately 1994 feet to 2178 feet in his Welch Federal Well No. 2 located 1650 feet from the North line and 2310 feet from the West line of Section 22, Township 19 South, Range 28 East, East Millman Queen-Grayburg Pool, Eddy County, New Mexico.

CASE 4024: Application of V. S. Welch for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's wells located in Section 27, Township 18 South, Range 31 East, Shugart Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in unlined surface pits located in said Section 27. In the alternative, applicant seeks a temporary extension of at least six months in which to comply with the provisions of said order.

CASE 4025: Application of Ralph Lowe for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's leases in Sections 8, 17, and 18, Township 25 South, Range 30 East, Shugart Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in three unlined surface pits located in Sections 8, 17 and 18

Regular Hearing - Wednesday  
January 15, 1969

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CASE 4026: Application of Fred Pool Drilling Company for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's leases located in Sections 8 and 9, Township 25 South, Range 30 East, Corral Canyon-Delaware Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in three unlined surface pits located in the SW/4 NW/4 and the SE/4 SE/4 of said Section 8, and the SW/4 SW/4 of said Section 9.

CASE 4027: Application of MacDonald Oil Corporation for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's Sinclair Parke Weil No. 1 located in Unit F of Section 22, Township 17 South, Range 30 East, Jackson Aka Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the adjoins Unit 1.

CASE 4028: Southeastern nomenclature case dealing for an order for the creation, extension and abandonment of certain pools in Lea, Chaves, Roosevelt and Eddy Counties, New Mexico.

(a) Create a new pool in Eddy County, New Mexico, classified as an oil pool for San Andres production and designated as the Alete-San Andres Pool. The discovery well is the No. 1, B. W. Co., Federal "M" well No. 1 located in Unit F of Section 17, Township 8 South, Range 31 East, N.M. Said pool should comprise the following-described area:

TOWNSHIP 8 SOUTH, RANGE 31 EAST, N.M.  
Section 17: SW/4



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(Case 4028 continued)

(b) Create a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Vacuum Morrow Gas Pool. The discovery well is Phillips Petroleum Company, Lea No. 23 located in Unit P of Section 30, Township 17 South, Range 34 East, NMPM. Said pool should comprise the following-described area:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

Section 30: E/2

(c) Create a new pool in Lea County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Wilson-Wolfcamp Gas Pool. The discovery well is Phillips Petroleum Company, Wilson "J" No. 1 located in Unit O of Section 5, Township 21 South, Range 35 East, NMPM. Said pool should comprise the following-described area:

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM

Section 5: Lots 9, 10, 15 and 16

(d) Extend the Middle Allison-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM

Section 33: SW/4

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM

Section 1: SE/4

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM

Section 4: SE/4

Section 6: All

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

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 7: SE/4

Section 30: NW/4

Section 32: SE/4

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

TOWNSHIP 13 SOUTH, RANGE 34 EAST, NMPM  
Section 33: SE/4

(g) Extend the Flying "M" Pennsylvanian Pool in Lea County,  
New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
Section 10: SW/4

(h) Extend the Teague-Blinebry Pool in Lea County, New  
Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM  
Section 20: NE/4

(i) Abolish the East Tribe-Pennsylvanian Pool in Lea County,  
New Mexico, described as:

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM  
Section 30: SW/4

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM  
Section 22: NW/4

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 25: E/2  
Section 36: N/2

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM  
Section 9: W/2  
Section 16: NW/4  
Section 19: S/2  
Section 30: S/2

Regular Hearing - Wednesday  
January 15, 1969

Docket No. 2-69

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

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 25: W/2  
Section 36: SE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM  
Section 4: Lots 1, 2, and 3, E/2 SW/4,  
and SE/4

(l) Extend the vertical limits of South Hope Strawn  
gas pool to include all of the Pennsylvanian formation  
and redesignate said pool as the South Hope-Pennsylvanian  
Pool; extend the horizontal limits of said South Hope-  
Pennsylvanian gas pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 23 EAST, NMPM  
Section 19: All

## NEW POOLS

- a) It is recommended that a new oil pool be created and designated as the SIETE-SAN ANDRES Pool.

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

Discovery well was H. L. Brown, Jr. - Federal TM #1 located in Unit P Section 17 Township 8 Range 31 and was completed on November 12, 1968 Top of perforations is at 3712 feet.

- b) It is recommended that a new gas pool be created and designated as the VACUUM-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 Phillips Petroleum Company - Lea #23 located in Unit P Section 30 Township 17 Range 34 and was completed on August 7, 1968 Top of perforations is at 13,224 feet.

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

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

Discovery well was Phillips Petroleum Company - Wilson "J" #1 located in Unit O Section 5 Township 21 Range 35 and was completed on October 2, 1968 Top of perforations is at 10,396 feet.

CASE 4028: (a) CREATION OF A NEW OIL POOL

COUNTY	CHAVES	POOL	SIETE-SAN ANDRES		
TOWNSHIP	8 South	RANGE	31 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.

H. L. BROWN, JR. - Federal TM #1 in Unit P of Section 17-8-31. Completed in San Andres on November 12, 1968. Top of Perforations 3712'.

Proposed pool boundary colored in red. SECTION 17: SE/4

CASE 4028: (b) CREATION OF A NEW GAS POOL

COUNTY		LEA		POOL		VACUUM-MORROW GAS POOL					
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 gas well capable of producing.

PHILLIPS PETROLEUM COMPANY - Lea #23 in Unit P of Section 30-17-34. Completed in Morrow on August 7, 1968. Top of Perforations 13,224'.

Proposed pool boundary colored in red. SECTION 30: E/2

CASE 4028: (c) CREATION OF A NEW GAS POOL

COUNTY	LEA	POOL	WILSON-WOLFCAMP	GAS	
TOWNSHIP	21 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: One completed gas well capable of producing.  
PHILLIPS PETROLEUM COMPANY - Wilson "J" #1 in Unit O of Section 5-21-35.  
Completed in Wolfcamp on October 2, 1968. Top of Perforations 10,396'.  
Proposed pool boundary colored in red. SECTION 5: Lots 9, 10, 15 and 16

CASE 4028: (d) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY ROOSEVELT						POOL MIDDLE ALLISON-PENNSYLVANIAN					
TOWNSHIP 8 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: Five completed oil wells capable of producing.

BTA OIL PRODUCERS - Trice 687 Ltd. #1 in Unit I of Section 33-8-36. Completed in Bough C on November 14, 1968. Top of Perforations 9784'.

ADDITION--BTA OIL PRODUCERS - Pecan 688 Ltd. #1 in Unit I of Section 31-8-36. Completed in Bough C on November 28, 1968. Top of Perforations 9846'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 33: SW/4

ADDITION-----SECTION 31: S/2



COUNTY	LEA	POOL	MIDDLE ALLISON-PENNSYLVANIAN		
TOWNSHIP	9 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 (d), Exhibit I.

BTA OIL PRODUCERS - Feather 688 Ltd. #1 in Unit J of Section 1-9-35. Completed in Bough C on November 29, 1968. Top of Perforations 9850'.

Pool boundary colored in red.

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

CASE 4028: (d) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY ROOSEVELT POOL MIDDLE ALLISON-PENNSYLVANIAN

TOWNSHIP 9 South RANGE 35 East 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: As stated on preceding page, paragraph (d), Exhibit I.

ADDITION--BTA OIL PRODUCERS - O'Neill 687 Ltd. #1-Y in Unit 0 of Section  
36-8-35. Completed in Bough "C" on December 5, 1968. Top of  
Perforations 9814'.

Pool boundary colored in red.

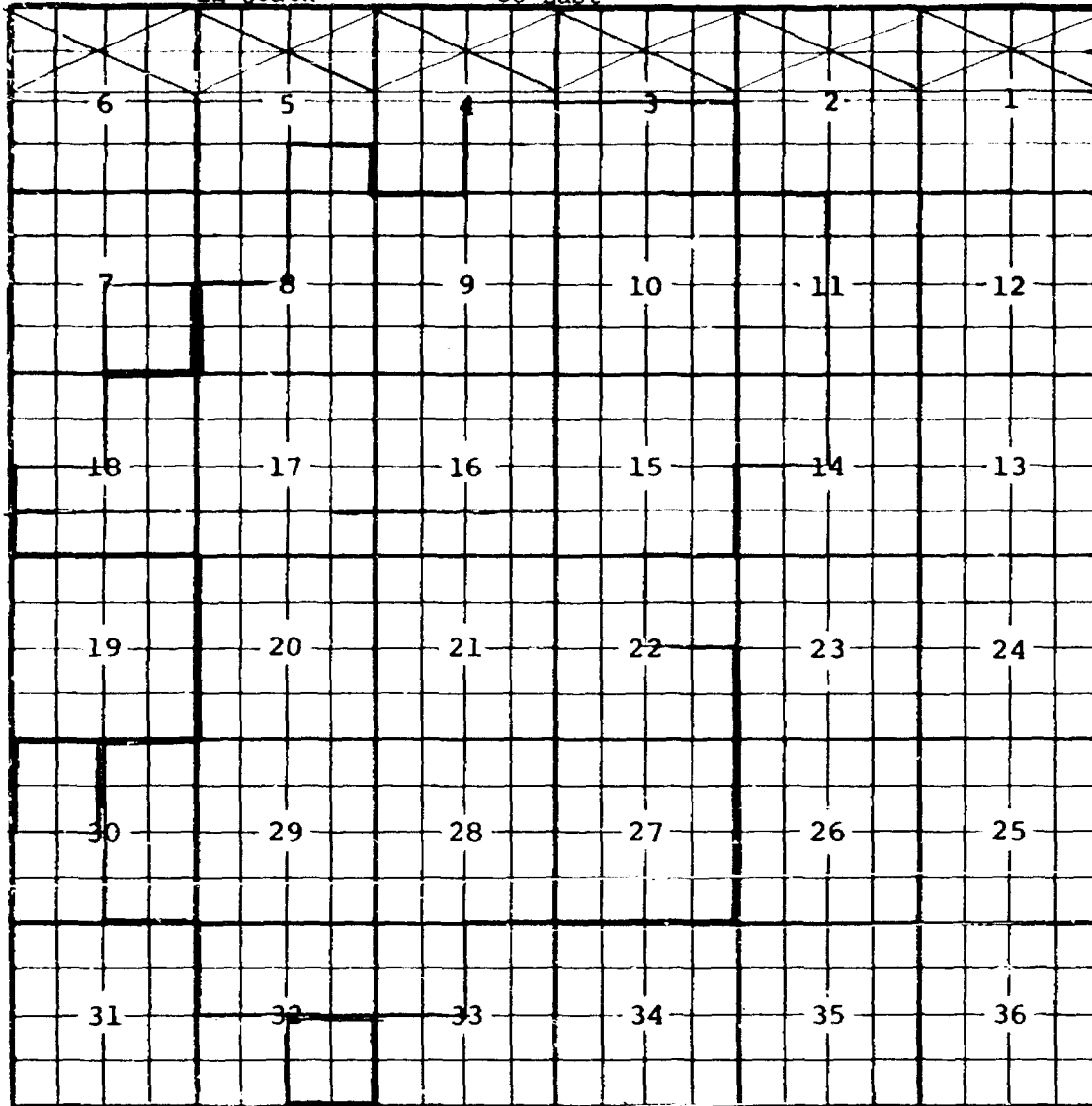
Proposed pool extension colored in green. SECTION 36: SE/4

CASE 4028: (e) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH BAGLEY-LOWER PENNSYLVANIAN

TOWNSHIP 11 South RANGE 33 East NMPM

Sheet  
Section



PURPOSE: Three completed oil wells capable of producing.

CHARLES B. READ - Sun State #1 in Unit P of Section 7-11-33. Completed in Lower Pennsylvanian on November 21, 1968. Top of Perforations 10,156'.

SAM BOREN - Mathers "A" #1 in Unit C of Section 30-11-33. Completed in Pennsylvanian on November 24, 1968. Top of Perforations 9983'.

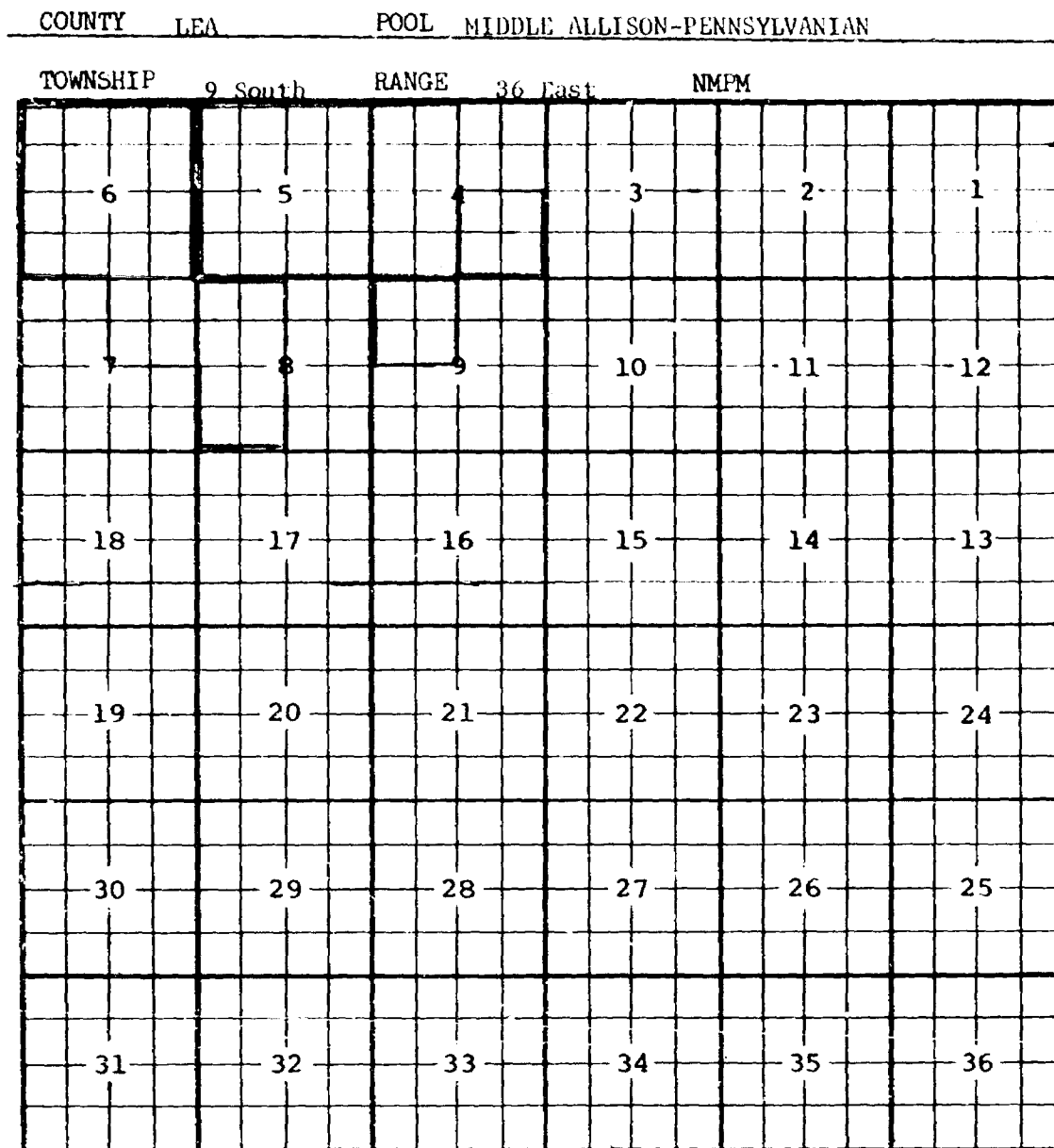
STOLTZ & COMPANY - Wanda #1 in Unit J of Section 32-11-33. Completed in Lower Pennsylvanian on November 16, 1968. Top of Perforations 9867'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 7: SE/4

SECTION 30: NW/4

SECTION 32: SE/4



PURPOSE: As stated on preceding page, paragraph (d), Exhibit I. (Wells listed on attached sheet.)

Pool boundary colored in red.

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

SECTION 6: All

ADDITIONS-----SECTION 7: NE/4

SECTION 8: W/2

SECTION 9: NW/4

COUNTY	LEA	POOL	MIDDLE ALLISON-PENNSYLVANIAN	
TOWNSHIP	9 South	RANGE	36 East	NMPM

BTA OIL PRODUCERS - Bond 685 Ltd. #4 in Unit J of Section 4-9-36. Completed in Bough C on November 9, 1968. Top of Perforations 9320'.

BTA OIL PRODUCERS - Harris 686 Ltd. #1 in Unit A of Section 6-9-36. Completed in Bough C on November 6, 1968. Top of Perforations 9858'.

BTA OIL PRODUCERS - Walker 686 Ltd. #1 in Unit M of Section 6-9-36. Completed in Bough C on October 5, 1968. Top of Perforations 9874'.

ADDITION--BTA OIL PRODUCERS - Battles 687 Ltd. #1 in Unit B of Section 7-9-36. Completed in Bough C on December 19, 1968. Top of Perforations 9873'.

ADDITION--BTA OIL PRODUCERS - KGS 686 Ltd. #1 in Unit M of Section 8-9-36. Completed in Bough C on November 12, 1968. Top of Perforations 9714'.

ADDITION--BTA OIL PRODUCERS - Davis 687 Ltd. #1 in Unit D of Section 9-9-36. Completed in Bough C on December 18, 1968. Top of Perforations 9836'.

CASE 4028: (f) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL CERCA-UPPER PENNSYLVANIAN

TOWNSHIP 13 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.

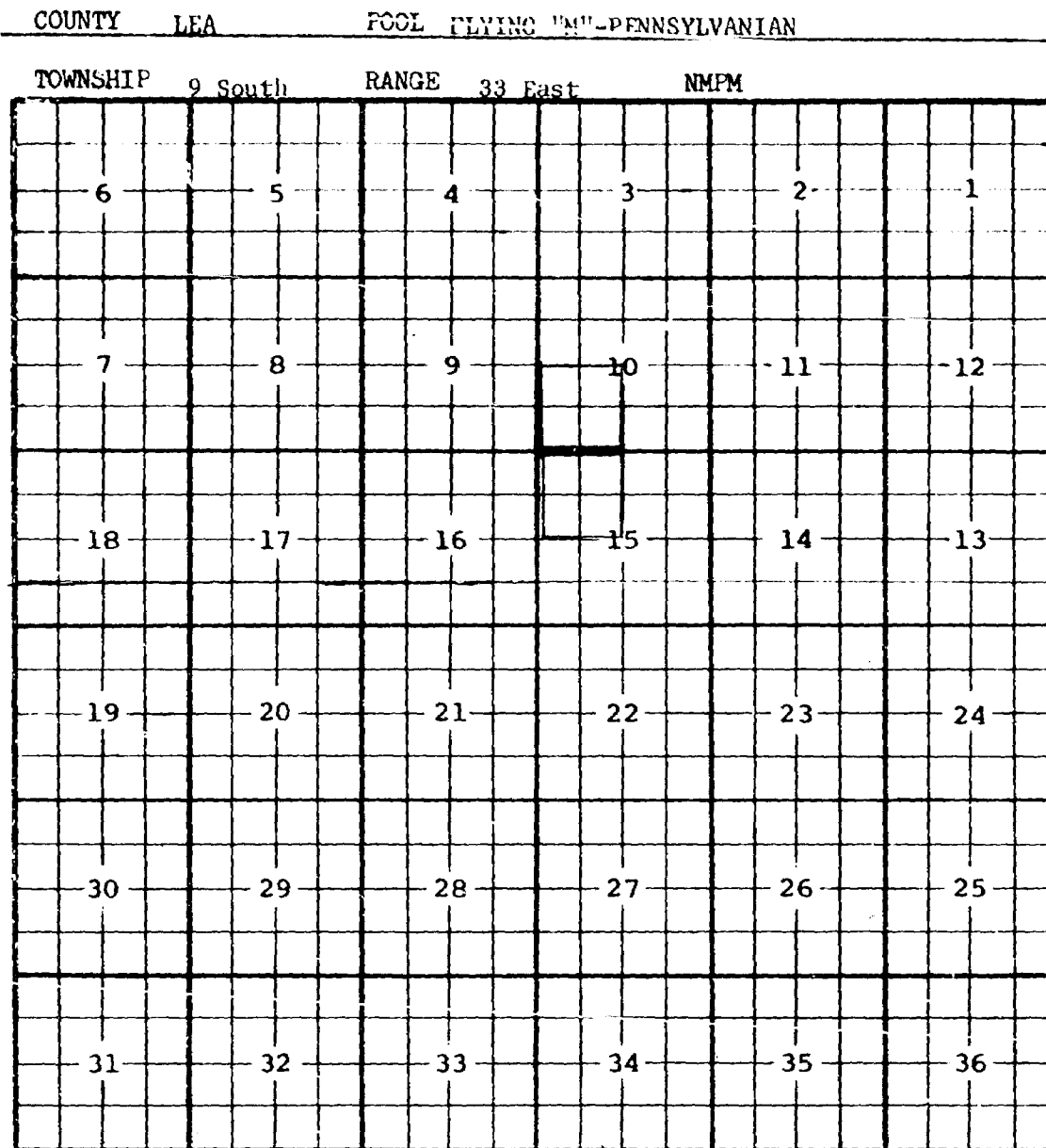
THE SUPERIOR OIL COMPANY - State "L" Com #1 in Unit P of Section 33-13-34.

Completed in Upper Pennsylvanian on October 20, 1968. Top of Perforations 10,449'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 33: SE/4

CASE 4028: (g) EXTENSION OF AN EXISTING OIL POOL



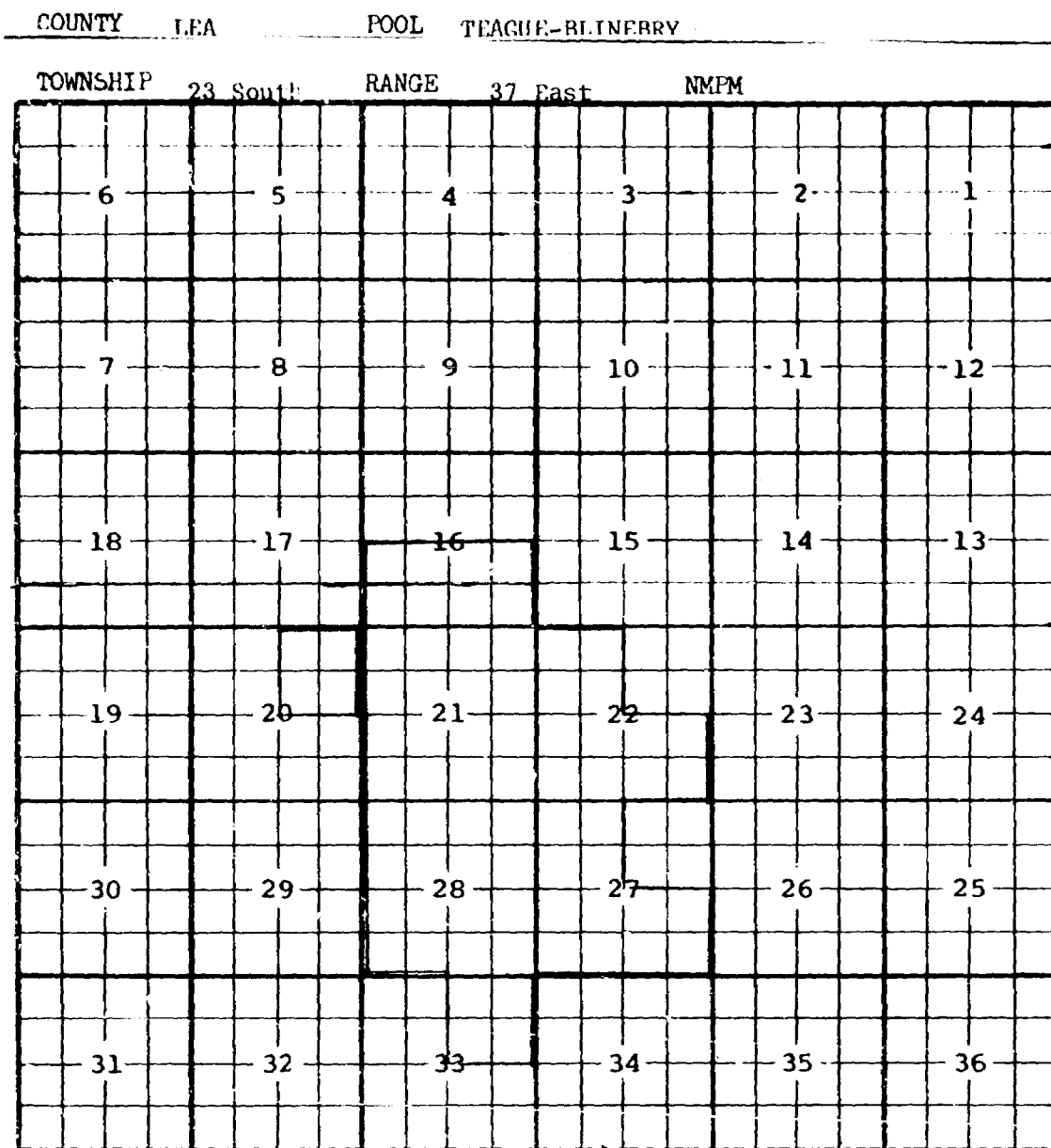
PURPOSE: One completed oil well capable of producing.

COASTAL STATES GAS PRODUCING COMPANY - State "10" #1 in Unit M of Section 10-9-33. Completed in Pennsylvanian on October 24, 1968. Top of Perforations 9431'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 10: SW/4

CASE 4028: (h) EXTENSION OF AN EXISTING OIL POOL



PURPOSE: One completed oil well capable of producing.

SKELLY OIL COMPANY - J. C. Johnson #6 in Unit A of Section 20-23-37. Completed in Blinebry on November 17, 1968. Top of Perforations 5417'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 20: NE/4

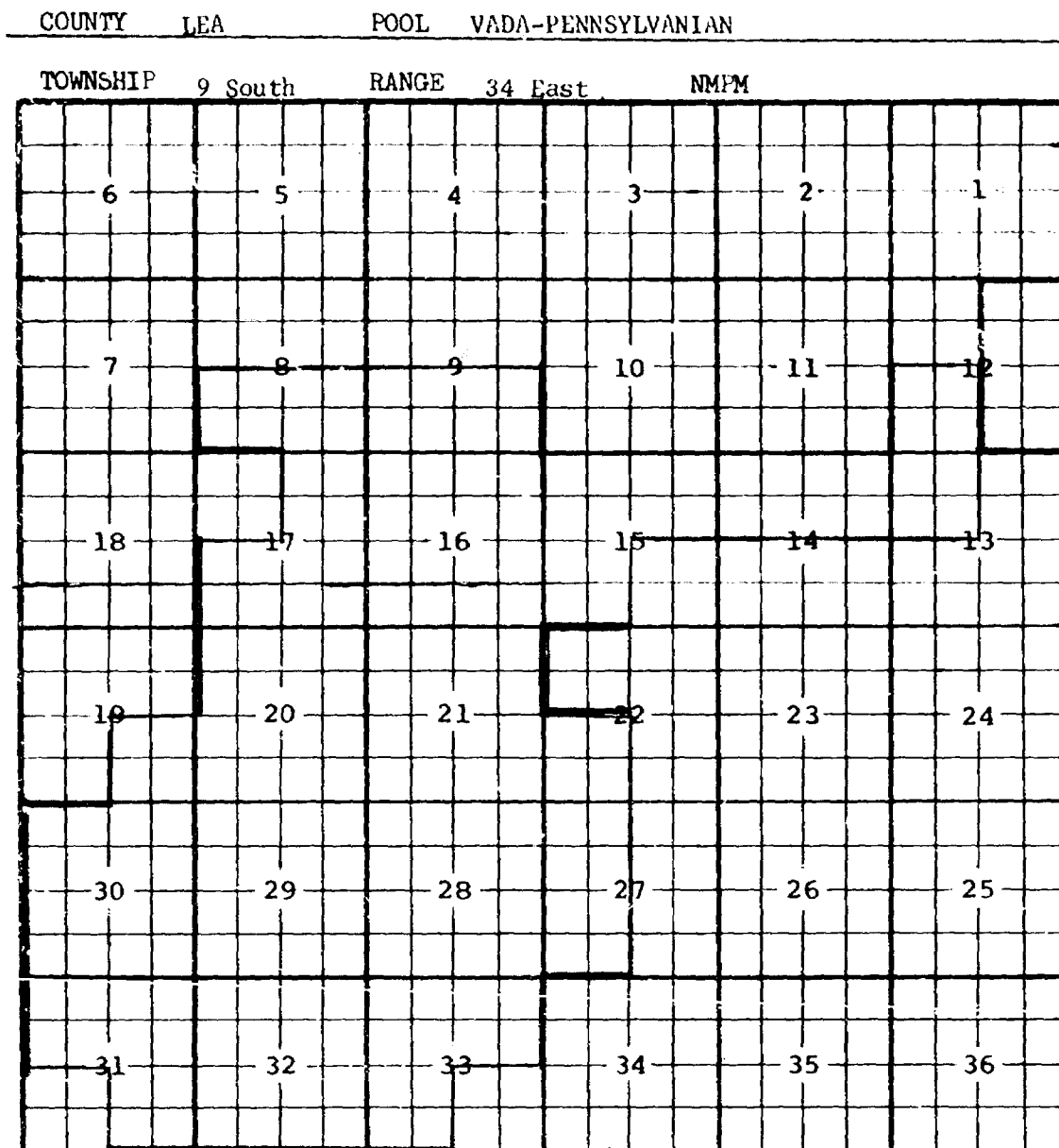


CASE 4028: (i) ABOLISHMENT OF AN EXISTING OIL POOL

COUNTY	LEA	POOL	EAST INBE-PENNSYLVANIAN												
TOWNSHIP	10 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: Because this pool produces from the same geologic reservoir as the Vada-Pennsylvanian Pool, the abolished acreage is to be placed in the Vada-Pennsylvanian Pool.

Proposed pool abolishment colored in blue. SECTION 30: SW/4



PURPOSE: Seven completed oil wells capable of producing.

THE SUPERIOR OIL COMPANY - Pruitt "A" #1 in Unit E of Section 22-9-34. Completed in Bough "C" on November 4, 1968. Top of Perforations 9808'.

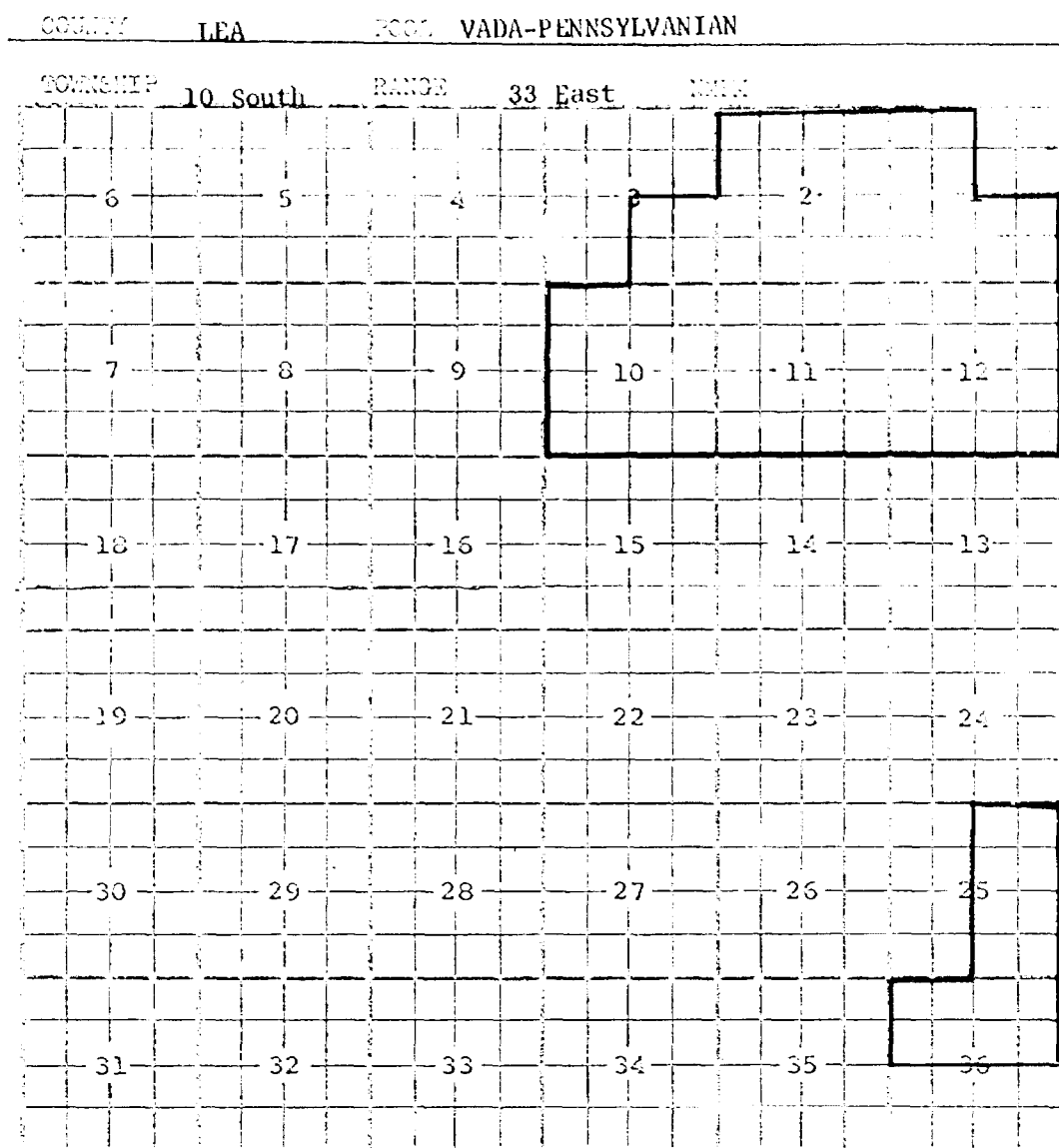
ADDITION--TENNECO OIL COMPANY - Insall Com #2 in Unit J of Section 12-9-34. Completed in Bough C. on December 19, 1968. Top of Perforations 9772'.

ADDITION--TENNECO OIL COMPANY - Ward Insall Com #2 in Unit A of Section 12-9-34. Completed in Bough "C" on December 4, 1968. Top of Perforations 9784'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 22: NW/4

ADDITION-----SECTION 12: E/2



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

MONSANTO COMPANY - MGF "B" State #1 in Unit I of Section 25-10-33. Completed in Bough C on December 9, 1968. Top of Perforations 9960'.

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

BTA OIL PRODUCERS - Inbe 684 Ltd. #1 in Unit G of Section 36-10-33. Completed in Pennsylvanian on June 27, 1968. Top of Perforations 9942'.

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

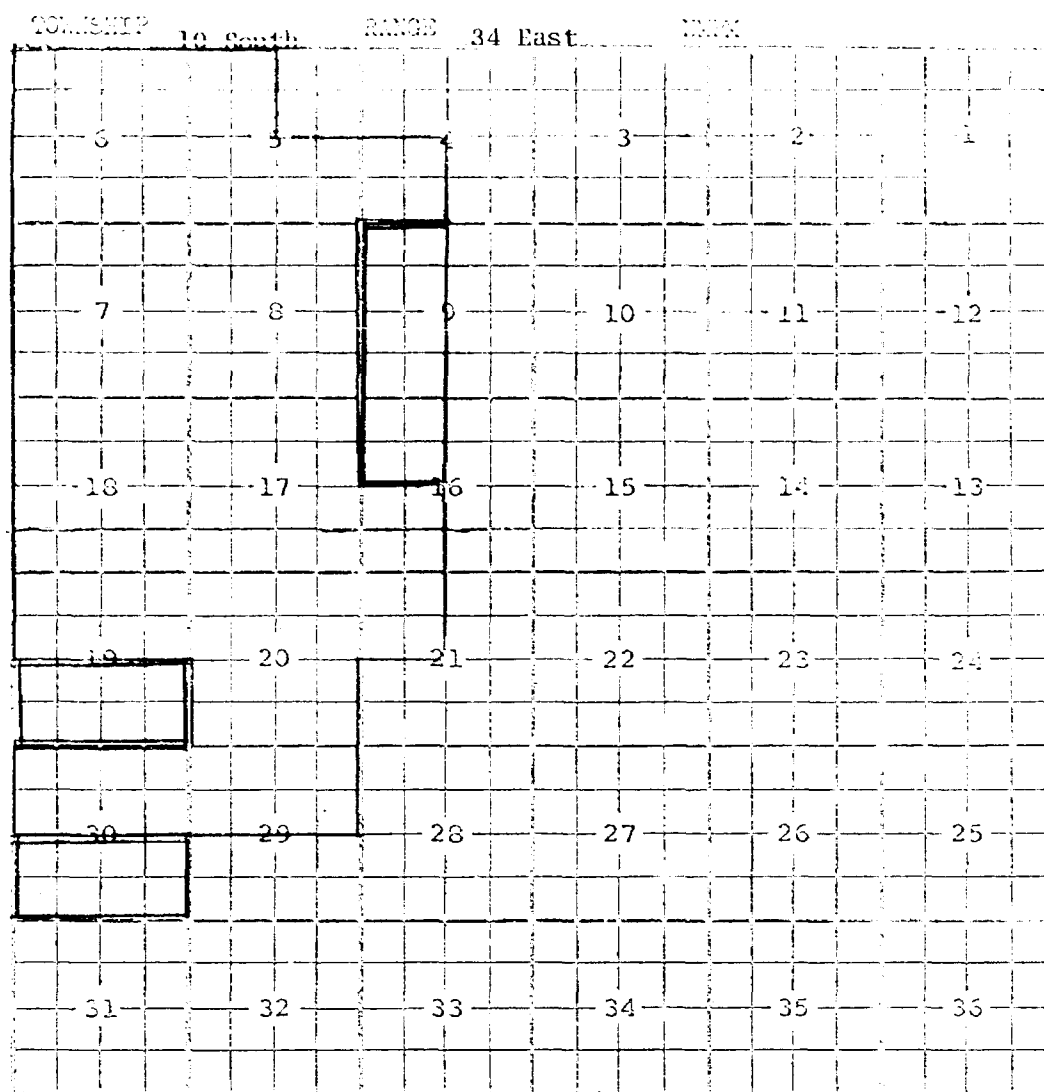
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 25: E/2  
SECTION 36: N/2

CASE 4028: (j) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY LEA

POOL VADA-PENNSYLVANIAN



PURPOSE: As stated on preceding page, paragraph (j), Exhibit I.  
ATLANTIC RICHFIELD COMPANY - State BJ #1 in Unit E of Section 9-10-34. Completed in Pennsylvanian on December 7, 1968. Top of Perforations 9936'.

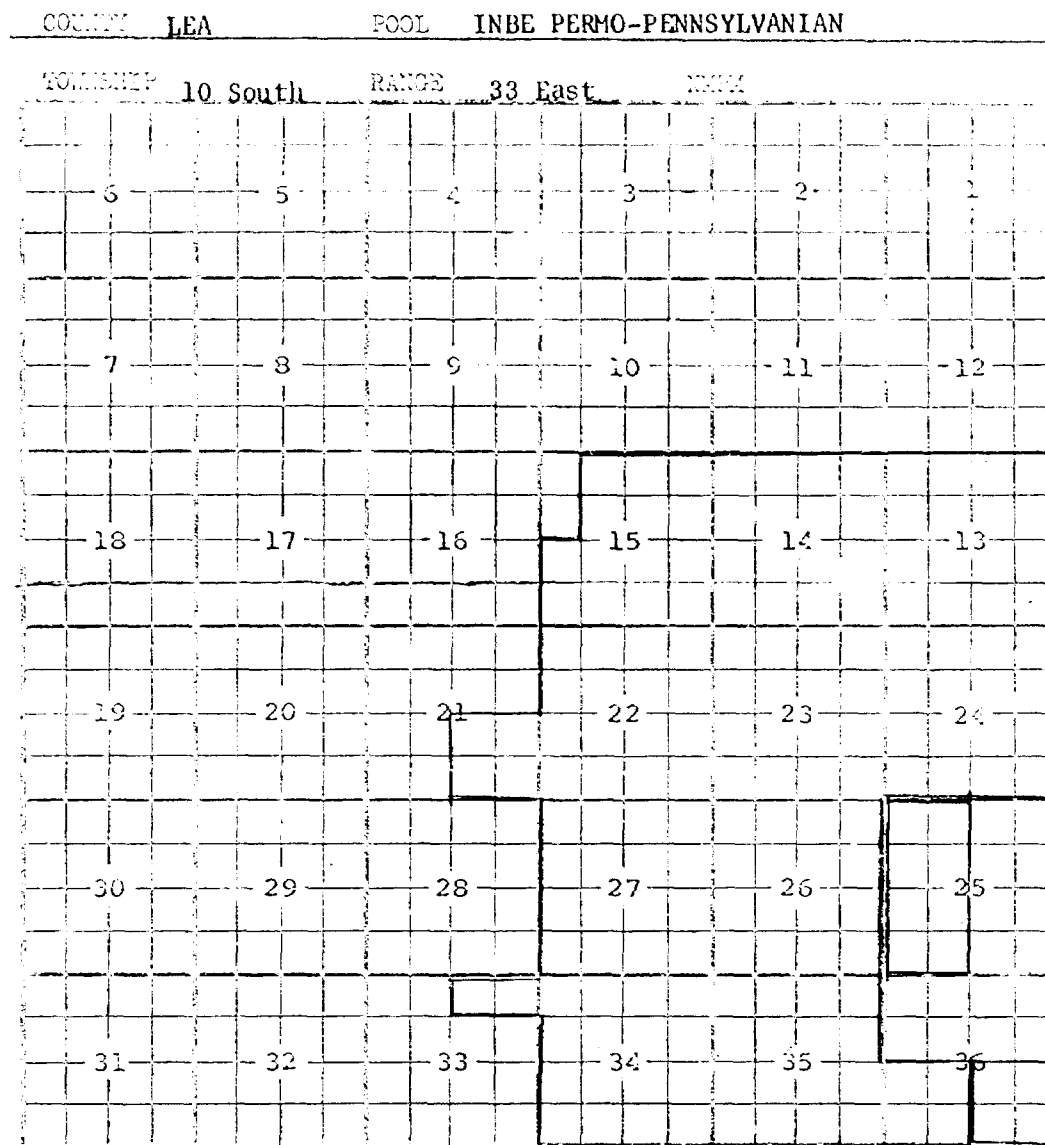
K. K. AMINI - Humble State #1 in Unit E of Section 16-10-34. Completed in Bough C on October 31, 1968. Top of Perforations 9920'.  
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 9: W/2

SECTION 16: NW/4

SECTION 19: S/2

SECTION 30: S/2



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

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 25: W/2

SECTION 36: SE/4

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

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

H. C. HOOD - T. P. State #2 in Unit F of Section 25-10-33. Completed in Permo Pennsylvanian on November 10, 1968. Top of Perforations 9919'.

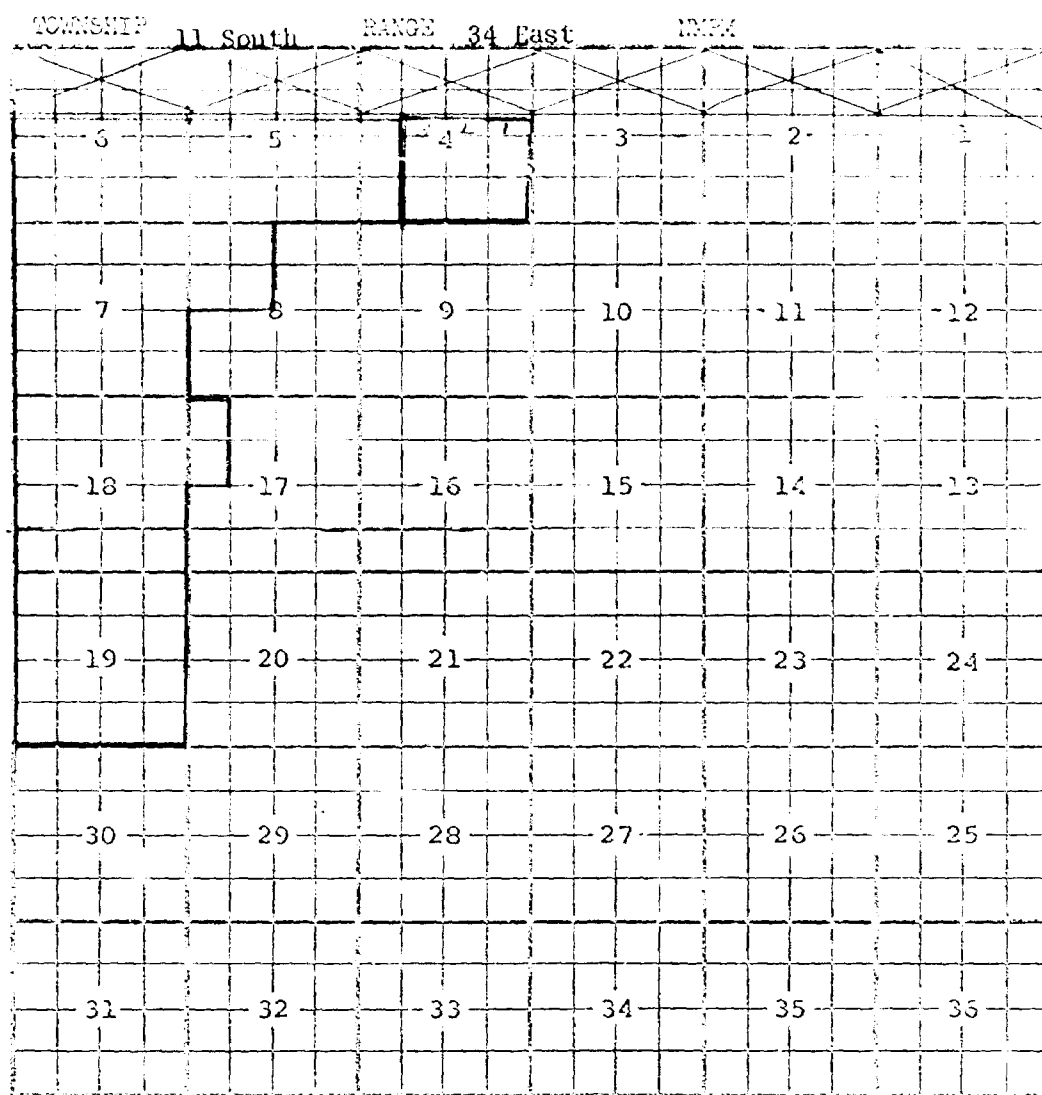
MEADCO PROPERTIES, LTD. - State 25 #1 in Unit K of Section 25-10-33. Completed in Pennsylvanian on June 29, 1968. Top of Perforations 9933'.

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

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

COUNTY LEA

POOL INBE PERMO-PENNSYLVANIAN

S/4 of  
Section

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

MAJOR, GIEBEL & FORSTER - T. P. "A" State #1 in Unit J of Section 4-11-34. Completed in Bough C on October 21, 1968. Top of Perforations 9975'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 4: Lots 1, 2, and 3, E/2 SW/4, and SE/4

CASE 4028: (1) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS AND REDESIGNATION  
 OF EXISTING GAS POOL South Hope-Strawn Gas change to  
 (Continued on next page)

COUNTY EDDY POOL South Hope-Pennsylvanian Gas

TOWNSHIP	18S	RANGE	21E	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: Redefine vertical limits from the Strawn formation to  
 the Pennsylvanian formation and one completed gas well capable  
 of producing.

Pool limits colored in red.



CASE 4028: (1) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS AND REDESIGNATION  
OF EXISTING GAS POOL South Hope-Strawn Gas change to  
(Continued)

COUNTY EDDY POOL South Hope-Pennsylvanian Gas

TOWNSHIP	18S	RANGE	23E	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: As stated on page one of this exhibit.

Sun Oil Co.-DX Division, Hope Unit Well No.1 in unit J of Section  
19-18-23. Completed in Pennsylvanian, March 24, 1964, through  
perforations 5870' to 6040' and 7164' to 7188'.

Pool boundary colored in red.

Proposed extension colored in green.

Section 19: ALL

CASE 4028: (a) CREATION OF A NEW OIL POOL

COUNTY	CHAVES	POOL	SIETE-SAN ANDRES		
TOWNSHIP	8 South	RANGE	31 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.

H. L. BROWN, JR. - Federal TM #1 in Unit P of Section 17-8-31. Completed in San Andres on November 12, 1968. Top of Perforations 3712'.

Proposed pool boundary colored in red. SECTION 17: SE/4

CASE 4028: (b) CREATION OF A NEW GAS POOL

COUNTY		LEA	POOL		VACUUM-MORROW GAS POOL													
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 gas well capable of producing.

PHILLIPS PETROLEUM COMPANY - Lea #23 in Unit P of Section 30-17-34. Completed in Morrow on August 7, 1968. Top of Perforations 13,224'.

Proposed pool boundary colored in red. SECTION 30: E/2

CASE 4028: (c) CREATION OF A NEW GAS POOL

COUNTY LEA POOL WILSON-WOLFECAMP GAS

TOWNSHIP 21 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: One completed gas well capable of producing.

PHILLIPS PETROLEUM COMPANY - Wilson "J" #1 in Unit 0 of Section 5-21-35.

Completed in Wolfcamp on October 2, 1968. Top of Perforations 10,396'.

Proposed pool boundary colored in red. SECTION 5: Lots 9, 10, 15 and 16

COUNTY ROOSEVELT POOL MIDDLE ALLISON-PENNSYLVANIAN

TOWNSHIP 8 South RANGE 36 East NMPM

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a boustrophedon pattern, starting from the top right (1) and moving left across the first row, then right across the second row, and so on, alternating directions for each row. The grid is defined by thick black lines forming a 5x5 array of squares, with each square subdivided into a 4x4 grid of smaller squares. The numbers are placed in the center of each small square.

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: Five completed oil wells capable of producing.

**BTA OIL PRODUCERS - Trice 637 Ltd. #1 in Unit L of Section 33-8-36. Completed in Bough C on November 14, 1968. Top of Perforations 9784'.**

ADDITION--BTA OIL PRODUCERS - Pecan 688 Ltd. #1 in Unit I of Section 31-S-  
36. Completed in Bough C on November 28, 1968. Top of Perfora-  
tions 9846'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 33: SW/4

ADDITION-----SECTION 31: S/2

COUNTY	LEA	POOL	MIDDLE ALLISON-PENNSYLVANIAN		
TOWNSHIP	2 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 (d), Exhibit I.

BTA OIL PRODUCERS - Feather 688 Ltd. #1 in Unit J of Section 1-9-35. Completed in Bough C on November 29, 1968. Top of Perforations 9850'.

Pool boundary colored in red.

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

COUNTY	LEA	POOL	MIDDLE ALLISON-PENNSYLVANIAN		
TOWNSHIP	9 South	RANGE	36 East	NMPM	
6	5	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 (d), Exhibit I. (Wells listed on attached sheet.)

Pool boundary colored in red.

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

SECTION 6: All

ADDITIONS-----SECTION 7: NE/4

SECTION 8: W/2

SECTION 9: NW/4

COUNTY	LEA	POOL	MIDDLE ALLISON-PENNSYLVANIAN
TOWNSHIP	9 South	RANGE	36 East NMPM

BTA OIL PRODUCERS - Bond 685 Ltd. #4 in Unit J of Section 4-9-36. Completed in Bough C on November 9, 1968. Top of Perforations 9820'.

BTA OIL PRODUCERS - Harris 686 Ltd. #1 in Unit A of Section 6-9-36. Completed in Bough C on November 6, 1968. Top of Perforations 9858'.

BTA OIL PRODUCERS - Walker 686 Ltd. #1 in Unit M of Section 6-9-36. Completed in Bough C on October 5, 1968. Top of Perforations 9874'.

ADDITION--BTA OIL PRODUCERS - Battles 687 Ltd. #1 in Unit B of Section 7-9-36. Completed in Bough C on December 19, 1968. Top of Perforations 9873'.

ADDITION--BTA OIL PRODUCERS - KGS 686 Ltd. #1 in Unit M of Section 8-9-36. Completed in Bough C on November 12, 1968. Top of Perforations 9714'.

ADDITION--BTA OIL PRODUCERS - Davis 687 Ltd. #1 in Unit D of Section 9-9-36. Completed in Bough C on December 18, 1968. Top of Perforations 9836'.



CASE 4028: (d) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY ROOSEVELT POOL MIDDLE ALLISON-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 (d), Exhibit I.

ADDITION--BTA OIL PRODUCERS - O'Neill 687 Ltd. #1-Y in Unit O of Section 36-8-35. Completed in Bough "C" on December 5, 1968. Top of Perforations 9814'.

Pool boundary colored in red.

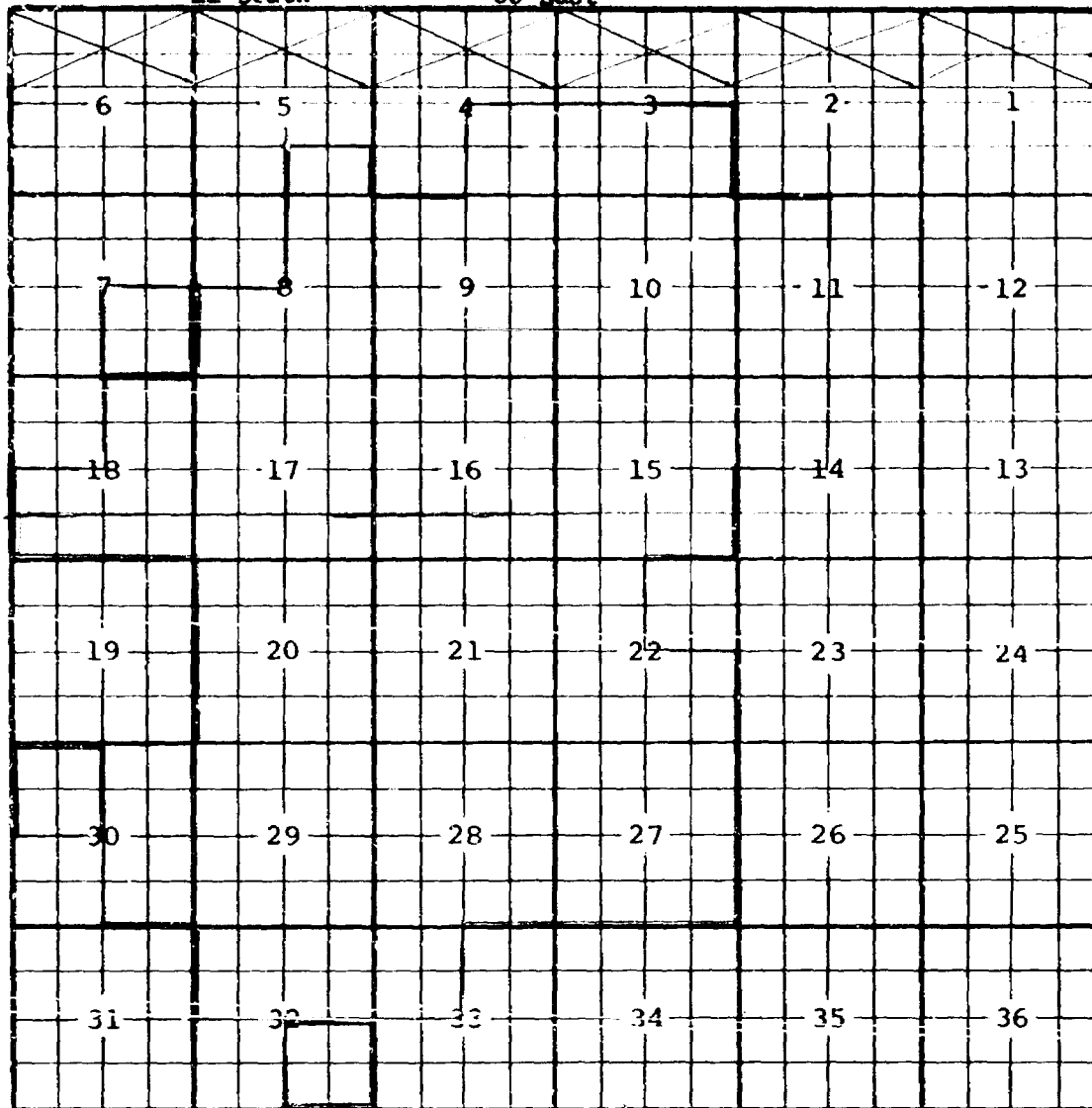
Proposed pool extension colored in green. SECTION 36: SE/4

CASE 4028: (e) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH BAGLEY-LOWER PENNSYLVANIAN

TOWNSHIP 11 South RANGE 33 East NMPM

Short  
Section



PURPOSE: Three completed oil wells capable of producing.

CHARLES B. READ - Sun State #1 in Unit P of Section 7-11-33. Completed in Lower Pennsylvanian on November 21, 1968. Top of Perforations 10,156'.

SAM BOREN - Mathers "A" #1 in Unit C of Section 30-11-33. Completed in Pennsylvanian on November 24, 1968. Top of Perforations 9983'.

STOLTZ & COMPANY - Wanda #1 in Unit J of Section 32-11-33. Completed in Lower Pennsylvanian on November 16, 1968. Top of Perforations 9867'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 7: SE/4

SECTION 30: NW/4

SECTION 32: SE/4

CASE 4028: (f) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL CERCA-UPPER PENNSYLVANIAN

TOWNSHIP 13 South RANGE 34 East NMIM

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

PURPOSE: One completed oil well capable of producing.

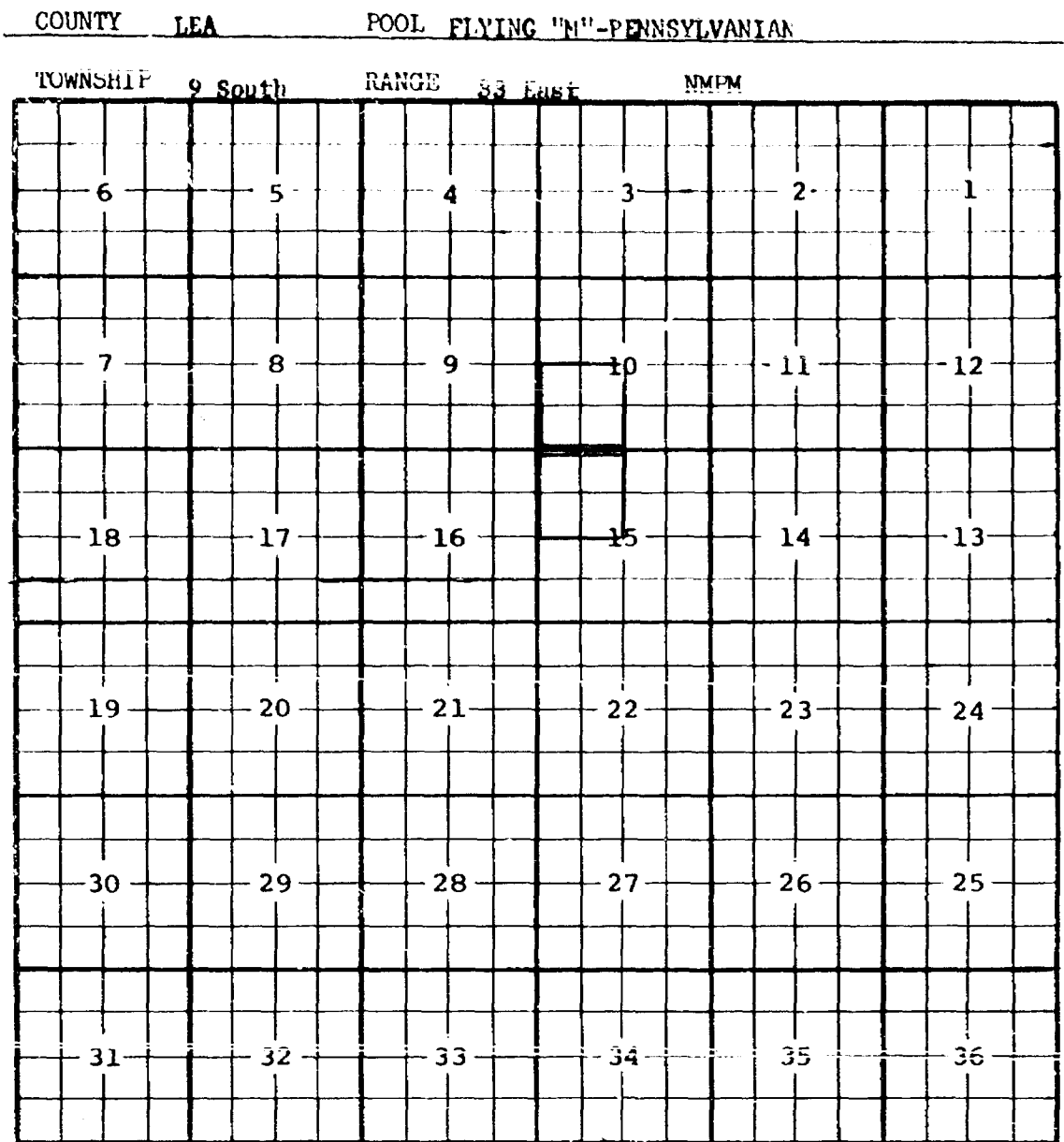
THE SUPERIOR OIL COMPANY - State "L" Com #1 in Unit P of Section 33-13-34.

Completed in Upper Pennsylvanian on October 20, 1968. Top of Perforations 10,449'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 33: SE/4

CASE 4028: (g) EXTENSION OF AN EXISTING OIL POOL



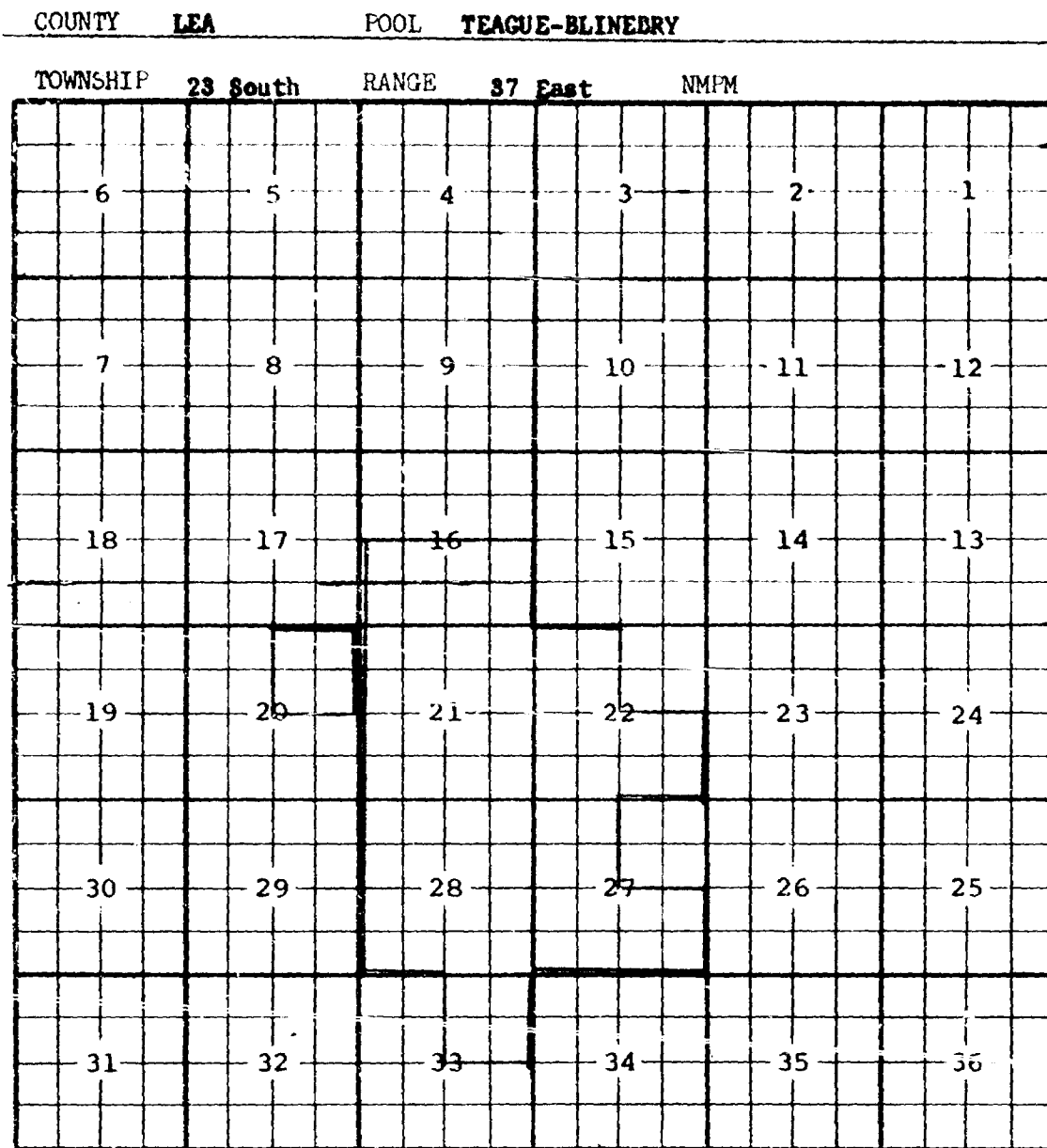
PURPOSE: One completed oil well capable of producing.

COASTAL STATES GAS PRODUCING COMPANY - State "10" #1 in Unit M of Section 10-9-33. Completed in Pennsylvanian on October 24, 1968. Top of Perforations 9431'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 10: SW/4

CASE 4028: (h) EXTENSION OF AN EXISTING OIL POOL



PURPOSE: One completed oil well capable of producing.

SKELLY OIL COMPANY - J. C. Johnson #6 in Unit A of Section 20-23-37. Completed in Blinebry on November 17, 1968. Top of Perforations 5417'. Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 20: NE/4

CASE 4028: (1) ABOLISMENT OF AN EXISTING OIL POOL

COUNTY	LEA	POOL	EAST INBE-PENNSYLVANIAN											
TOWNSHIP	10 South	RANGE	24 East	NORTH										
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: Because this pool produces from the same geologic reservoir as the Vada-Pennsylvanian Pool, the abolished acreage is to be placed in the Vada-Pennsylvanian Pool.

Proposed pool abolishment colored in blue. SECTION 30: SW/4

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CASE 4028: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY	LEA	POOL	VADA-PENNSYLVANIAN		
TOWNSHIP	9 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: Seven completed oil wells capable of producing.

THE SUPERIOR OIL COMPANY - Pruitt "A" #1 in Unit E of Section 22-9-34.

Completed in Bough "C" on November 4, 1968. Top of Perforations 9808'.

ADDITION--TENNECO OIL COMPANY - Insall Com #2 in Unit J of Section 12-9-

34. Completed in Bough C on December 19, 1968. Top of Perforations 9772'.

ADDITION--TENNECO OIL COMPANY - Ward Insall Com #2 in Unit A of Section

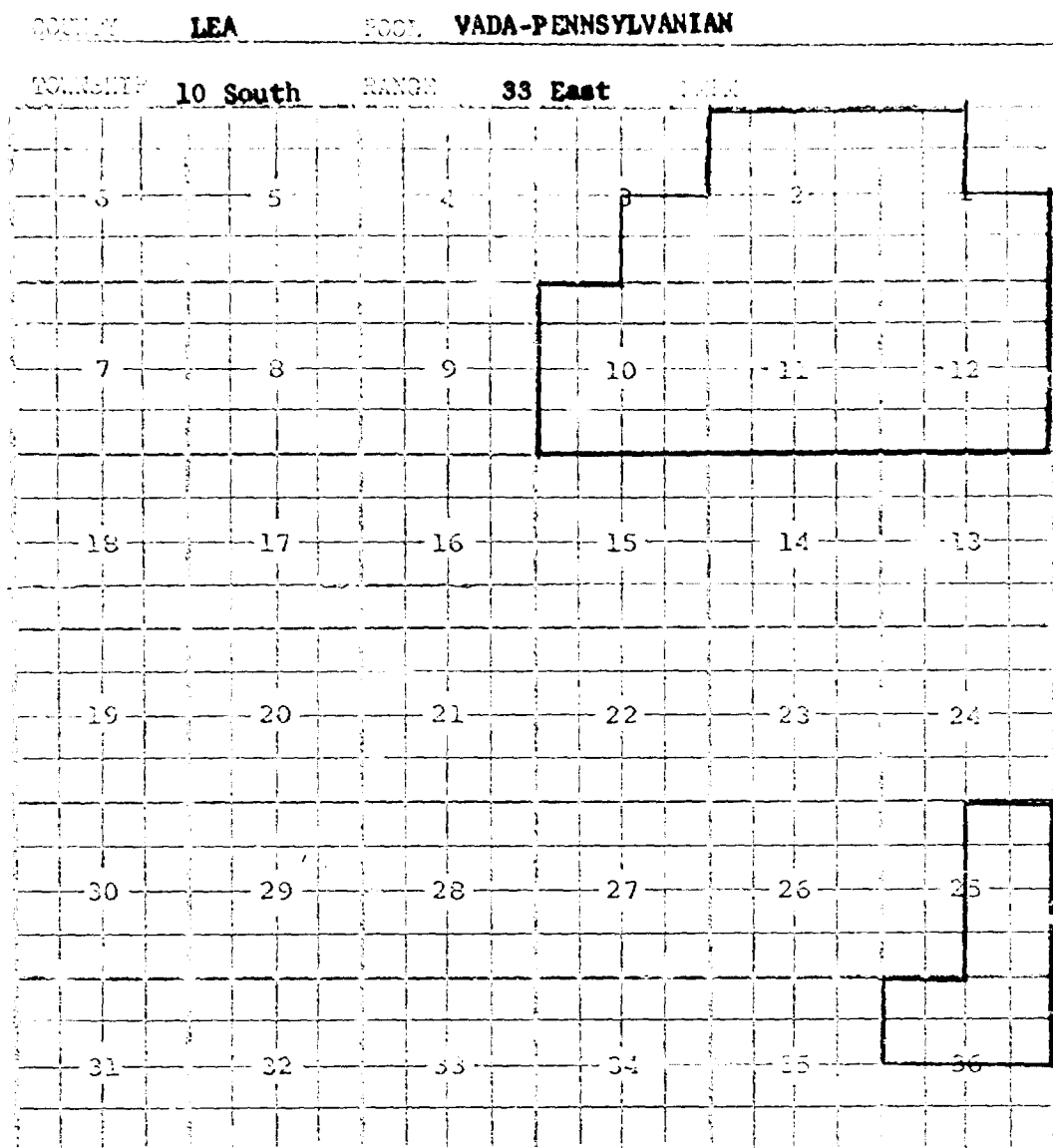
12-9-34. Completed in Bough "C" on December 4, 1968. Top of Perforations 9784'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 22: NW/4

ADDITION-----SECTION 12: E/2

CASE 4028: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)



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

MONSANTO COMPANY - MGF "B" State #1 in Unit I of Section 25-10-33. Completed in Bough C on December 9, 1968. Top of Perforations 9960'.

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

BTA OIL PRODUCERS - Inbe 684 Ltd. #1 in Unit G of Section 36-10-33. Completed in Pennsylvanian on June 27, 1968. Top of Perforations 9942'.

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

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 25: E/2  
SECTION 36: N/2

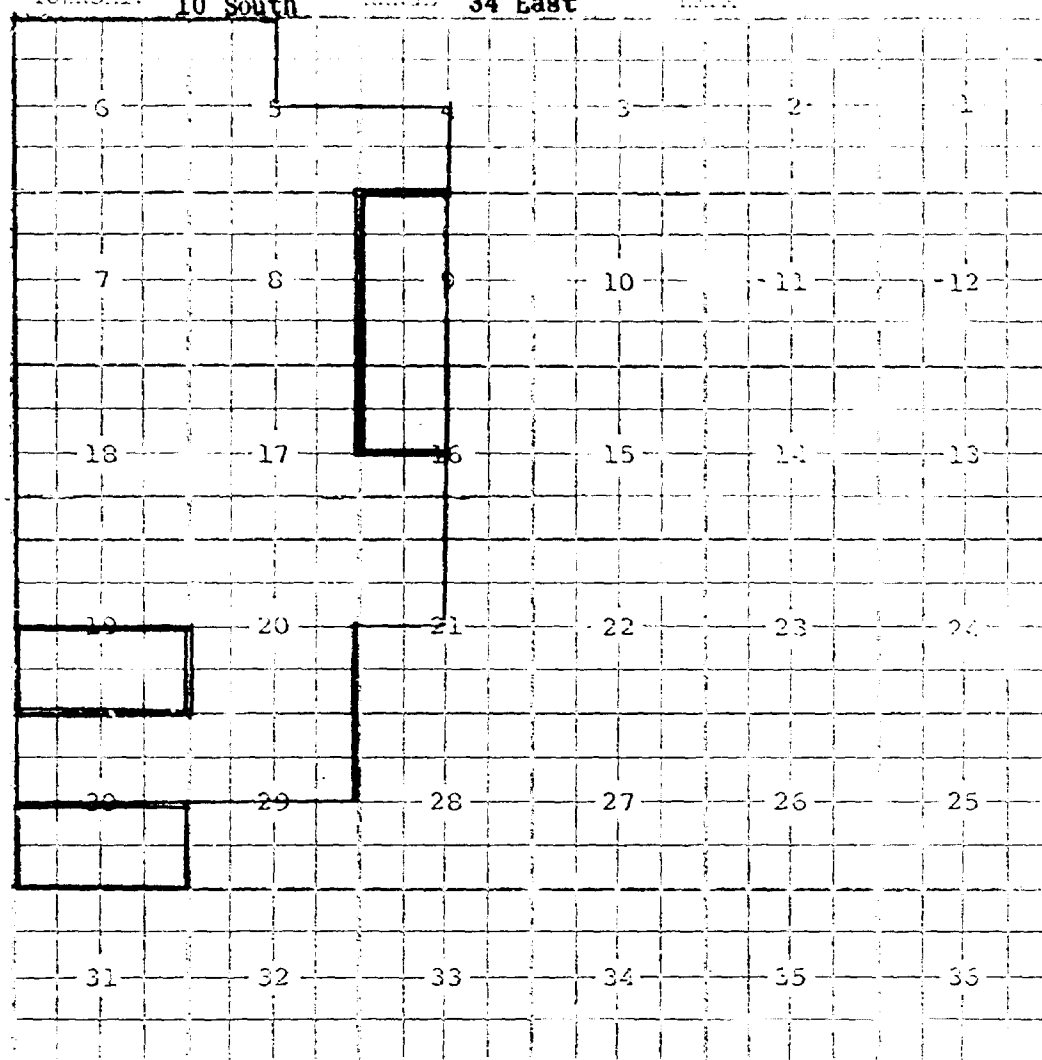


**CASE 4028: (i) EXTENSION OF AN EXISTING OIL POOL (Continued)**

COUNTY LEA

RANGE 34 East

TOWNSHIP 10 South



**PURPOSE:** As stated on preceding page, paragraph (j), Exhibit I.  
**ATLANTIC RICHFIELD COMPANY** - State BJ #1 in Unit E of Section 9-10-34. Completed in Pennsylvanian on December 7, 1968. Top of Perforations 9936'.

**K. K. AMINI** - Humble State #1 in Unit E of Section 16-10-34. Completed in Bough C on October 31, 1968. Top of Perforations 9920'.  
 Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 9: W/2

SECTION 16: NW/4

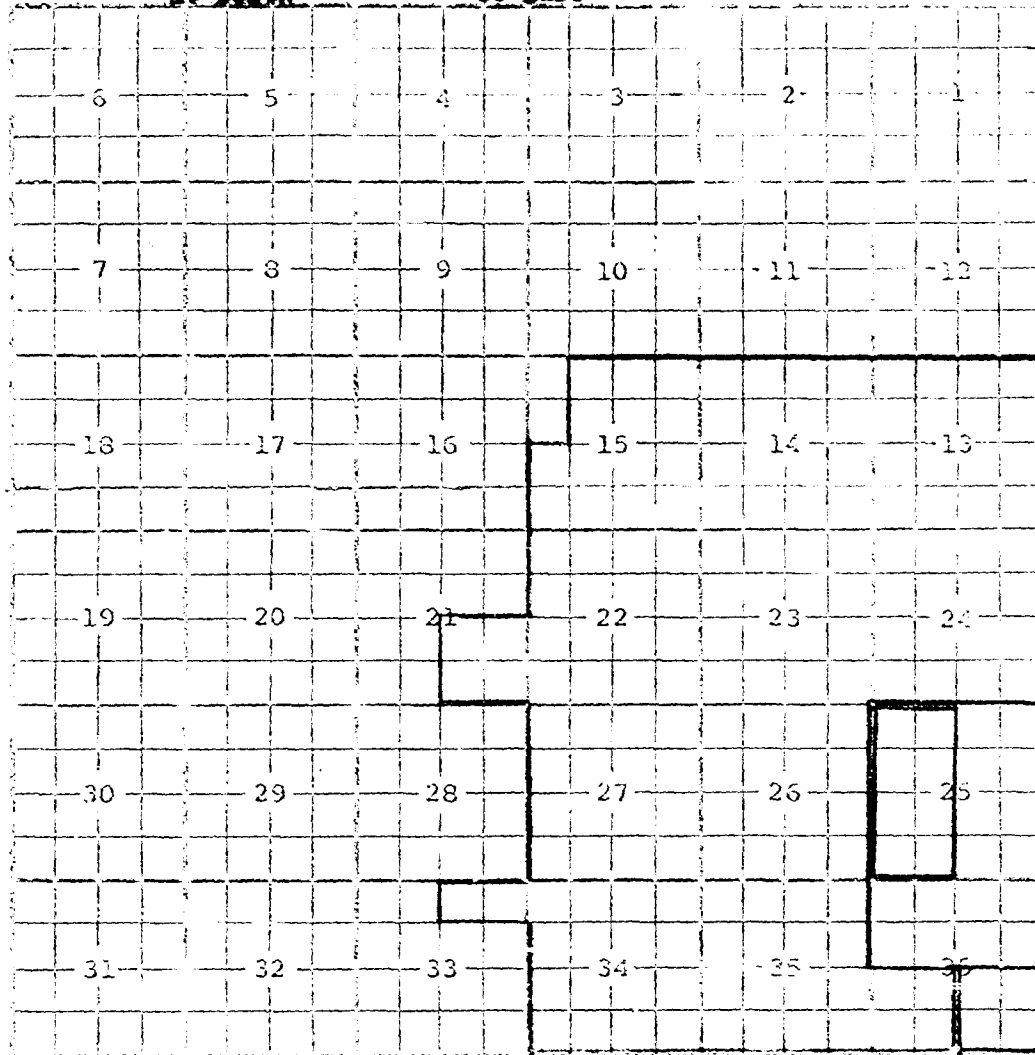
SECTION 19: S/2

SECTION 30: S/2

CASE 4028: (k) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL INBE PERMO-PENNSYLVANIAN

TOWNSHIP 10 South RANGE 33 East INDEED



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

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 25: W/2

SECTION 36: SE/4

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

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

H. C. HOOD - T. P. State #2 in Unit F of Section 25-10-33. Completed in Permo Pennsylvanian on November 10, 1968. Top of Perforations 9919'.

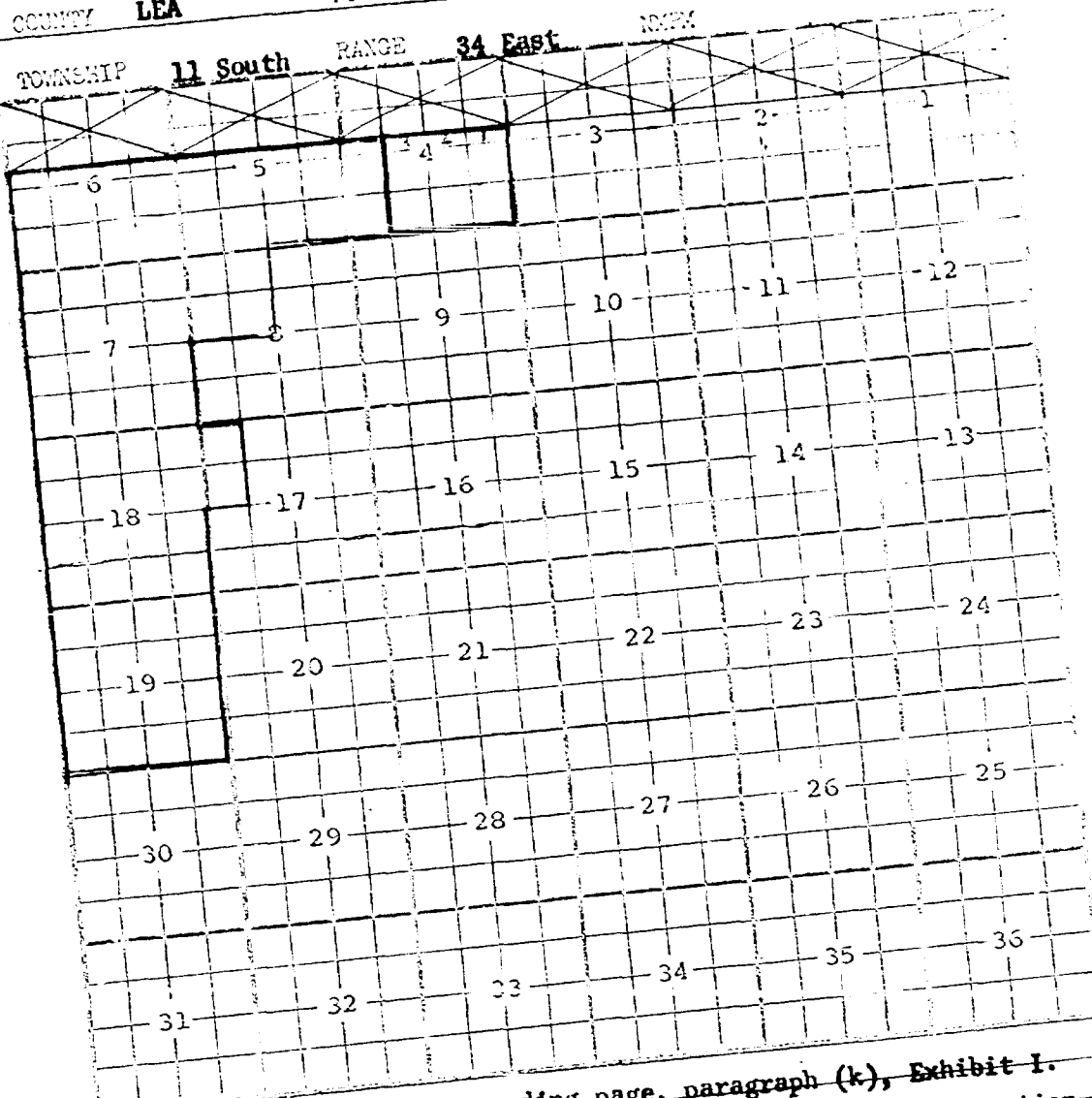
MEADCO PROPERTIES, LTD. - State 25 #1 in Unit K of Section 25-10-33. Completed in Pennsylvanian on June 29, 1968. Top of Perforations 9933'.

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

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

CASE 4029: (k) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY LEA POOL INBE PERMO-PENNSYLVANIAN



PURPOSE: As stated on preceding page, paragraph (k), Exhibit I.  
 MAJOR, GIEBEL & FORSTER - T. P. "A" State #1 in Unit J of Section 4-  
 11-34. Completed in Bough C on October 21, 1968. Top of Perforations  
 9975'.

Pool boundary colored in red.  
 Proposed pool extensions colored in green. SECTION 4: Lots 1, 2, and 3,  
 E/2 SW/4, and SE/4

CASE 4028: (1) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS AND REDESIGNATION  
 OF EXISTING GAS POOL South Hope-Strawn Gas change to  
 (Continued on next page)

COUNTY **EDDY** POOL **South Hope-Pennsylvanian Gas**

TOWNSHIP **18S** RANGE **21E** SECTION

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:** Redefine vertical limits from the Strawn formation to the Pennsylvanian formation and one completed gas well capable of producing.

Pool limits colored in red.

CASE 4028: (1) EXTENSION OF VERTICAL AND HORIZONTAL LIMITS AND REDESIGNATION  
OF EXISTING GAS POOL South Hope-Strawn Gas change to  
(Continued)

COUNTY EDDY POOL South Hope-Pennsylvanian Gas

TOWNSHIP	19E	RANGE	23E	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 page one of this exhibit.

Sun Oil Co.-DX Division, Hope Unit Well No.1 in unit J of Section  
19-18-23. Completed in Pennsylvanian, March 24, 1964, through  
perforations 5870' to 6040' and 7164' to 7188'.

Pool boundary colored in red.

Proposed extension colored in green.

Section 19 ALL

10/17/68  
R. H. [unclear]  
[unclear]

for Dick Stants  
Jan. 15th 11/20/68  
[unclear]

Agrees that the  
Consolidation of the  
Area & the [unclear]  
in this area is OK.

Extend the S. Hope Stream  
to include [unclear] [unclear]  
RS-R23E and extend the  
Vertical limits to include all [unclear]  
the [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear]

INDEMNITY ADVERTISEMENT FOR JANUARY, 1969  
CASE 4078

*Olga - PLS before  
see me about  
don't forget*

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

(a) CREATE A new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production and designated as the Siete-San Andres Pool. The discovery well is H. L. Brown, Jr., Federal TM No. 1 located in Unit P of Section 17, Township 8 South, Range 31 East, NMPM. Said pool described as:

*Siete*

TOWNSHIP 8 SOUTH, RANGE 31 EAST, NMPM  
SECTION 17: SE/4

(b) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Vacuum-Morrow Gas Pool. The discovery well is Phillips Petroleum Company, Lea No. 23 located in Unit P of Section 30, Township 17 South, Range 34 East, NMPM. Said pool described as:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 30: E/2

(c) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Wilson-Wolfcamp Gas Pool. The discovery well is Phillips Petroleum Company, Wilson "J" No. 1 located in Unit O of Section 5, Township 21 South, Range 35 East, NMPM. Said pool described as:

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM  
SECTION 5: Lots 9, 10, 15 and 16

(d) ABOLISH the East Inbe-Pennsylvanian Pool in Lea County, New Mexico, described as:

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM  
SECTION 30: SW/4

(e) EXTEND the Middle Allison-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM  
SECTION 33: SW/4

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM  
SECTION 1: SE/4

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM  
SECTION 4: SE/4  
SECTION 6: All



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

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 7: SE/4  
SECTION 30: NW/4  
SECTION 32: SE/4

(f) ~~h~~) EXTEND the Cerca-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 34 EAST, NMPM  
SECTION 33: SE/4

(g) ~~h~~) EXTEND the Flying "M"-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
SECTION 10: SW/4

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

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 25: W/2  
SECTION 36: SE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM  
SECTION 4: Lots 1, 2, and 3, E/2 SW/4, and SE/4

(h) ~~h~~) EXTEND the Teague-Blaine Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM  
SECTION 20: NE/4

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM  
SECTION 22: NW/4

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 25: E/2  
SECTION 36: N/2

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM  
SECTION 9: W/2  
SECTION 16: NW/4  
SECTION 19: S/2  
SECTION 30: S/2

**Sunray DX Oil Company**

SUN OIL COMPANY - DX DIVISION  
P. O. Box 1416  
Roswell, New Mexico



District Office

November 15, 1968

*Case 4028*

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

RE: Application for Hearing  
Extension and Redesignation  
Hope Strawn Gas Pool

Gentlemen:

Sun Oil Company - DX Division respectfully requests that the Commission schedule and hear Sun's application to extend the producing limits of the Hope Strawn Gas Pool to include the total Pennsylvanian gas producing horizon, to name this expanded pool the Hope Pennsylvanian Gas Pool, and to extend this new pool to encompass all of the following acreage:

Section 19, T-18-S, R-23-E  
Section 30, T-18-S, R-23-E  
Section 36, T-18-S, R-21-E

This acreage is currently dedicated to our three gas wells in the area. The South Hope Unit No. 1, located in Section 30, T-18-S, R-23-E, is completed in the Hope Strawn Gas Pool. The South Hope Unit No. 2, located in Section 36, T-18-S, R-21-E, is also completed in the Hope Strawn Gas Pool. The Hope Unit No. 1, located in Section 19, T-18-S, R-23-E, is currently undesignated due to there being two separate Penn zones perforated in this well. We seek by this hearing to have all Penn zones in the designated area placed in one pool to aid in coordinating monthly reports and to simplify the commingling of gas production from these three wells which will be applied for subject to the approval of this application. In addition the economics involved in dually completing the Hope Unit No. 1 are such that this action is not recommended. Such action would necessitate the abandonment of the Strawn zone in this well due to the low flow rates encountered from this zone. Payout would approach the expected life of the Strawn zone.

Yours truly,

SUN OIL COMPANY - DX DIVISION

*F. D. Lebo*

F. D. LEBO  
District Engineer

FDL:RLM:pm  
Attachment

cc: New Mexico Oil Conservation Commission  
Artesia, New Mexico

DOCKET MAILED

~~Date~~

(L) Extend the South Hope - Strawn Pool in Eddy County,  
New Mexico, to include therein:

Township 18 South, Range 73E

Section 19: All

(M) Extend the vertical limits of the South Hope - Strawn  
to include the Pennsylvanian formation and redesignate  
said pool as the South Hope - Pennsylvanian  
Gas Pool.

Township South, Range East, NMPM

County Pool

Page 4 of 8

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. 4028  
ORDER NO. R- 3662

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER CREATING, ABOLISHING, AND EXTENDING  
VERTICAL AND HORIZONTAL LIMITS OF 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 a.m. on January 15, 1969, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, herein-after referred to as the "Commission".

NOW, on this \_\_\_\_ day of January, 1969, 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 Chaves County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Siete-San Andres Pool. Said Siete-San Andres Pool was discovered by the H. L. Brown, Jr. Federal TM Well No. 1, located in Unit P of Section 17, Township 8 South, Range 31 East, NMPM. It was completed in the San Andres formation on November 12, 1968. The top of the perforations is at 3712 feet.

(3) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Vacuum-Morrow Gas Pool. Said Vacuum-Morrow Gas Pool was discovered by the Phillips Petroleum Company Lea Well No. 23, located in Unit P of Section 30, Township 17 South, Range 34 East, NMPM. It was completed in the Morrow formation on August 7, 1968. The top of the perforations is at 13,224 feet.

(4) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Wolfcamp formation, said pool to bear the designation of Wilson-Wolfcamp Gas Pool. Said Wilson-Wolfcamp Gas Pool was discovered by the Phillips Petroleum Company Wilson "J" Well No. 1, located in Unit O of Section 5, Township 21 South, Range 35 East, NMPM. It was completed in the Wolfcamp formation on October 2, 1968. The top of the perforations is at 10,396 feet.

(5) That there is need for the abolishment of the East Inbe-Pennsylvanian Pool in Lea County, New Mexico, because this pool produces from the same geologic reservoir as the Vada-Pennsylvanian Pool. The abolished acreage is to be placed in the Vada-Pennsylvanian Pool.

(6) That there is need for the extension of the vertical limits of the South Hope-Strawn Gas Pool in Eddy County, New Mexico, to include all of the Pennsylvanian formation and redesignate said pool as the South Hope-Pennsylvanian Gas Pool.

(7) That there is need for certain extensions to the South Hope-Pennsylvanian Gas Pool in Eddy County, New Mexico, the Middle Allison-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, the North

Bagley-Lower Pennsylvanian Pool, the Cerca-Upper Pennsylvanian Pool, the Flying "M"-Pennsylvanian Pool, the Inbe Permo-Pennsylvanian Pool, the Teague-Blinebry Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

✓ TOWNSHIP 8 SOUTH, RANGE 31 EAST, NMPM  
SECTION 17: SE/4

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

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 30: E/2

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

✓ TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM  
SECTION 5: Lots 9, 10, 15 and 16

(d) That the Middle Allison-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 35 EAST, NMPM  
SECTION 36: SE/4

✓ TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM  
SECTION 31: S/2  
SECTION 33: SW/4

✓ TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM  
SECTION 1: SE/4

✓ TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM  
SECTION 4: SE/4  
SECTION 6: All  
SECTION 7: NE/4  
SECTION 8: W/2  
SECTION 9: NW/4

(e) 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 7: SE/4  
SECTION 30: NW/4  
SECTION 32: SE/4

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

✓ TOWNSHIP 13 SOUTH, RANGE 34 EAST, NMPM  
SECTION 33: SE/4

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

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
SECTION 10: SW/4

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

✓ TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM  
SECTION 20: NE/4

(i) That the East Inbe-Pennsylvanian Pool in Lea County, New Mexico, consisting of the following described area:

✓ TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM  
SECTION 30: SW/4

is hereby abolished.

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

✓ TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM  
SECTION 12: E/2  
SECTION 22: NW/4

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 25: E/2  
SECTION 36: N/2

✓ TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM  
SECTION 9: W/2  
SECTION 16: NW/4  
SECTION 19: S/2  
SECTION 30: S/2

(k) 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 25: W/2  
SECTION 36: SE/4

✓ TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM  
SECTION 4: Lots 1, 2, and 3, E/2 SW/4,  
and SE/4

(l) That the vertical limits of the South Hope-Strawn Gas Pool in Eddy County, New Mexico, are hereby extended to include all of the Pennsylvanian formation and said pool is hereby redesignated the South Hope-Pennsylvanian Gas Pool. ~~Further~~ that the South Hope-Pennsylvanian Gas Pool as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 23 EAST, NMPM  
SECTION 19: All

IT IS FURTHER ORDERED:

That the effective date of this order and all creations, abolishments, and extensions of vertical and horizontal limits included herein shall be February 1, 1969.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

S E A L

(5) That there is need for the consolidation of the East Inbe - Pennsylvanian Pool and the Vada - Pennsylvanian Pool, both in Lea County, New Mexico, inasmuch as both pools produce from the same source of supply. Said consolidation to be accomplished by the abolishment of the East Inbe - Pennsylvanian Pool and the expansion of the Vada - Pennsylvanian Pool.