

CASE 2120:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

Case No.

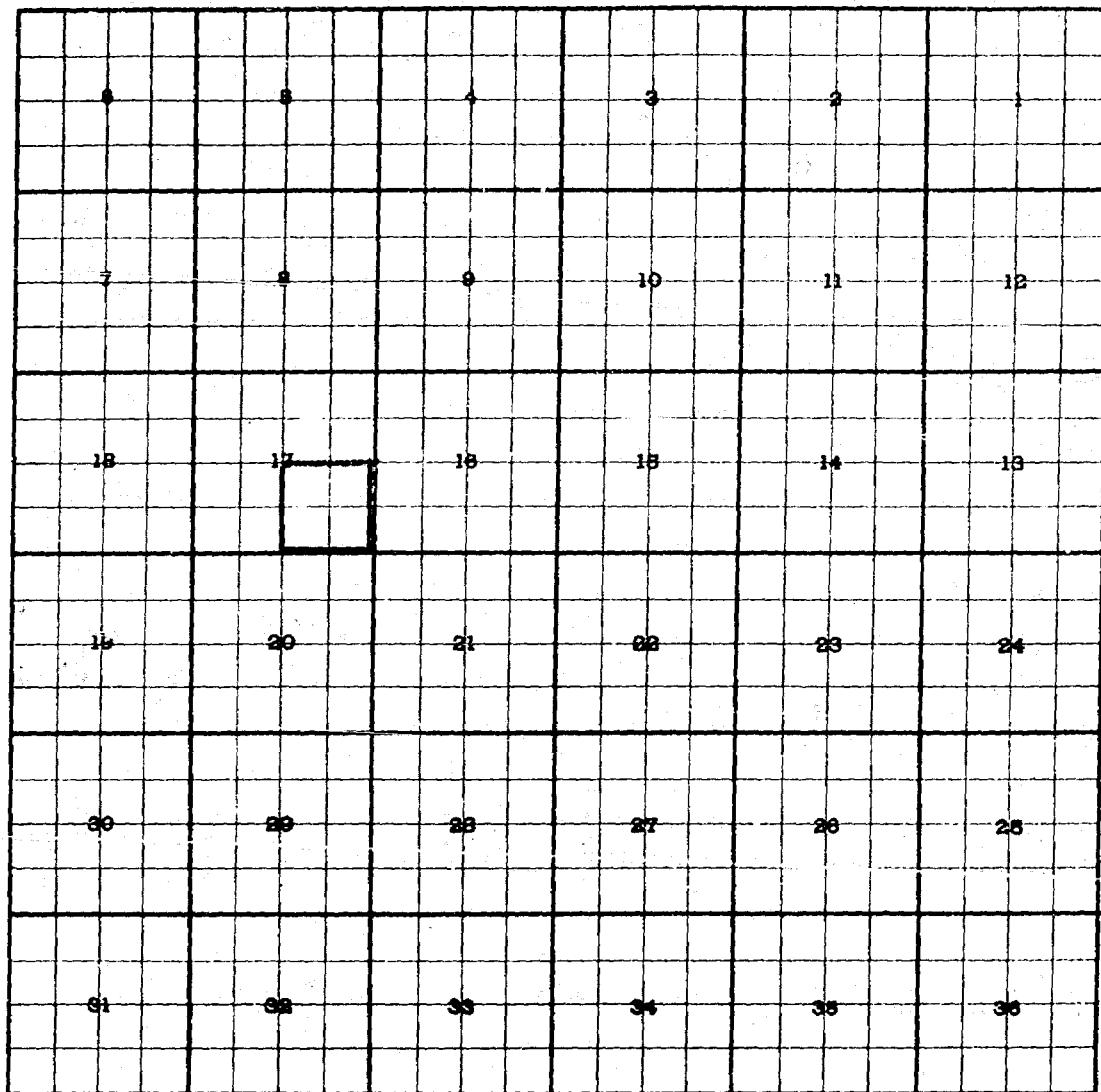
2120

Application, Transcript,
Small Exhibits, Etc.

CASE 2120: (a) CREATION OF AN OIL POOL

County CHAVES Pool WEST BITTER LAKE-SAN ANDRES

TOWNSHIP 10 South, RANGE 25 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Two (2) completed oil wells capable of producing.

DISCOVERY WELL: Allen & Wagner - Cannon No. 1 in Unit P of Sec. 17-T10S-R25E.

Completed in San Andres July 4, 1960. Top of perms 766'.

Allen & Wagner - J. P. Cannon No. 2 in Unit I of Sec. 17-T10S-R25E.

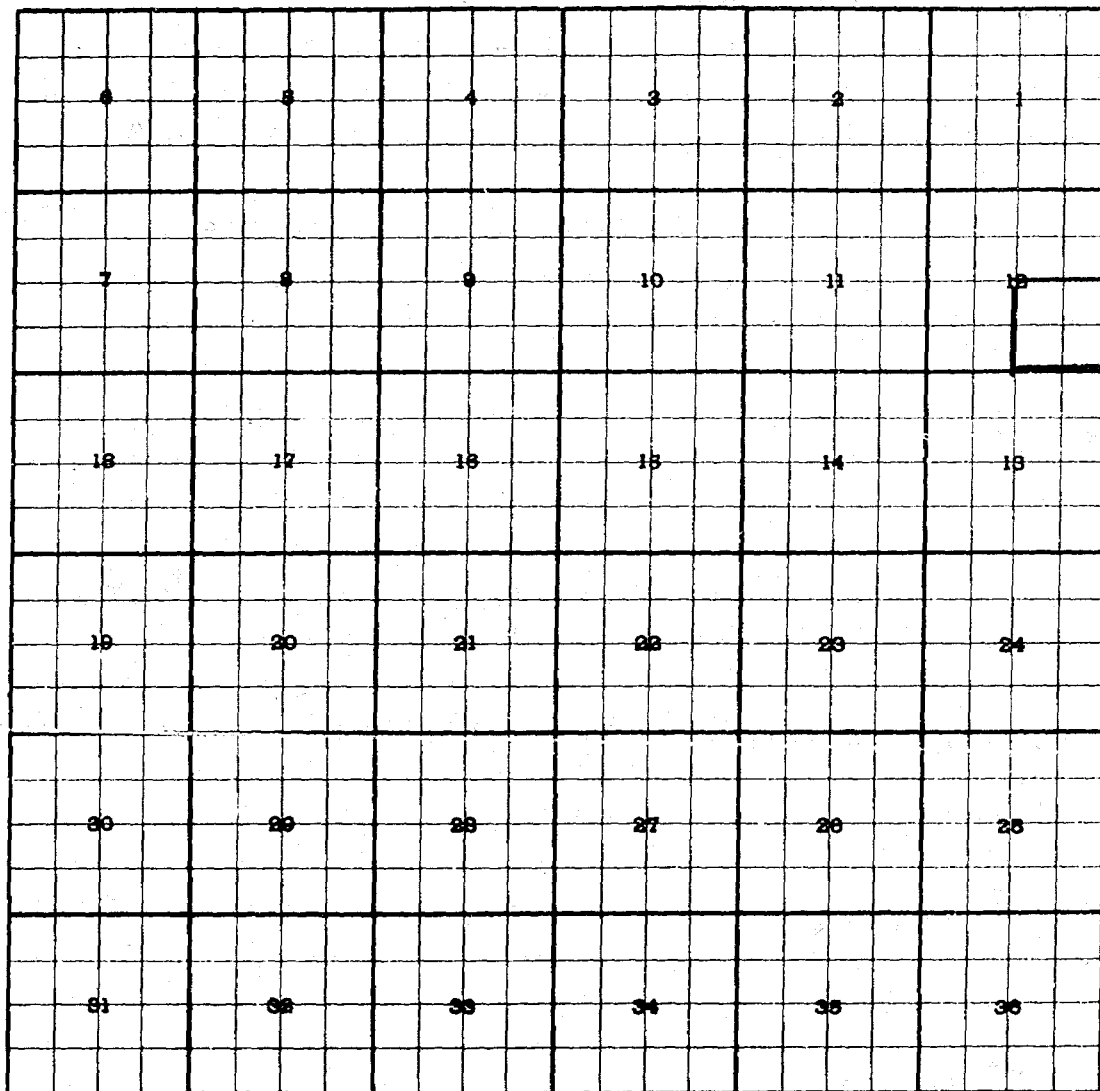
Completed in San Andres October 1, 1960. Top of perms 800'.

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

CASE 2120: (b) CREATION OF A GAS POOL.

County EDDY Pool BLACK RIVER-PENNSYLVANIAN GAS

TOWNSHIP 24 South, RANGE 26 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed gas well capable of producing.

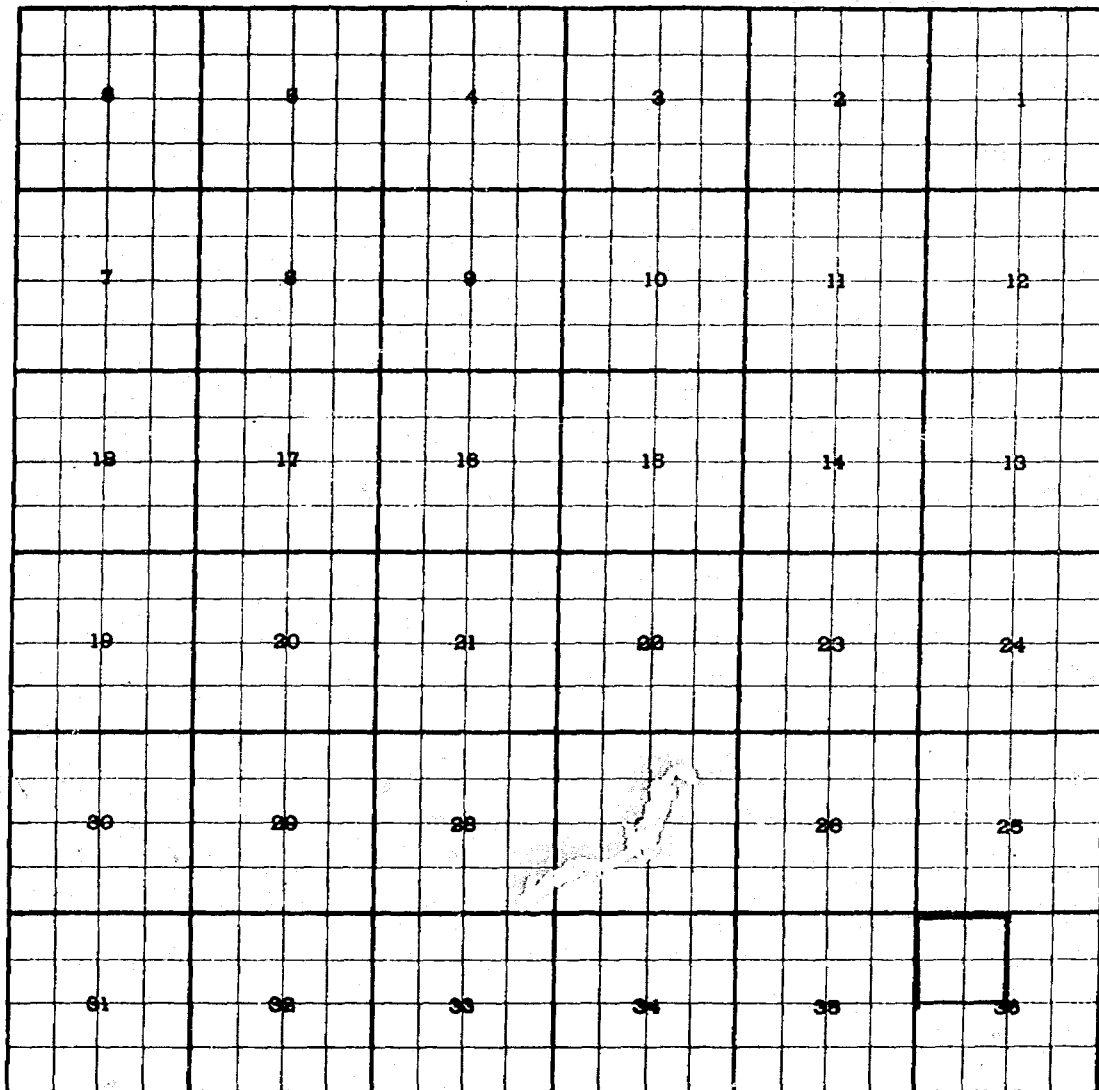
DISCOVERY WELL: J. I. O'Neill, Jr. - Federal D No. 2 in Unit P of
Section 12-T24S-R26E. Completed in Morrow Sand (Penn)
September 1, 1958. Top of perforations 11,566'.

Proposed pool boundary colored in red: Section 12: SE/4

CASE 2120:(c) CREATION OF A GAS POOL.

County LEA Pool CUSTER-ELLENBURGER GAS

TOWNSHIP 24 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed gas well capable of producing.

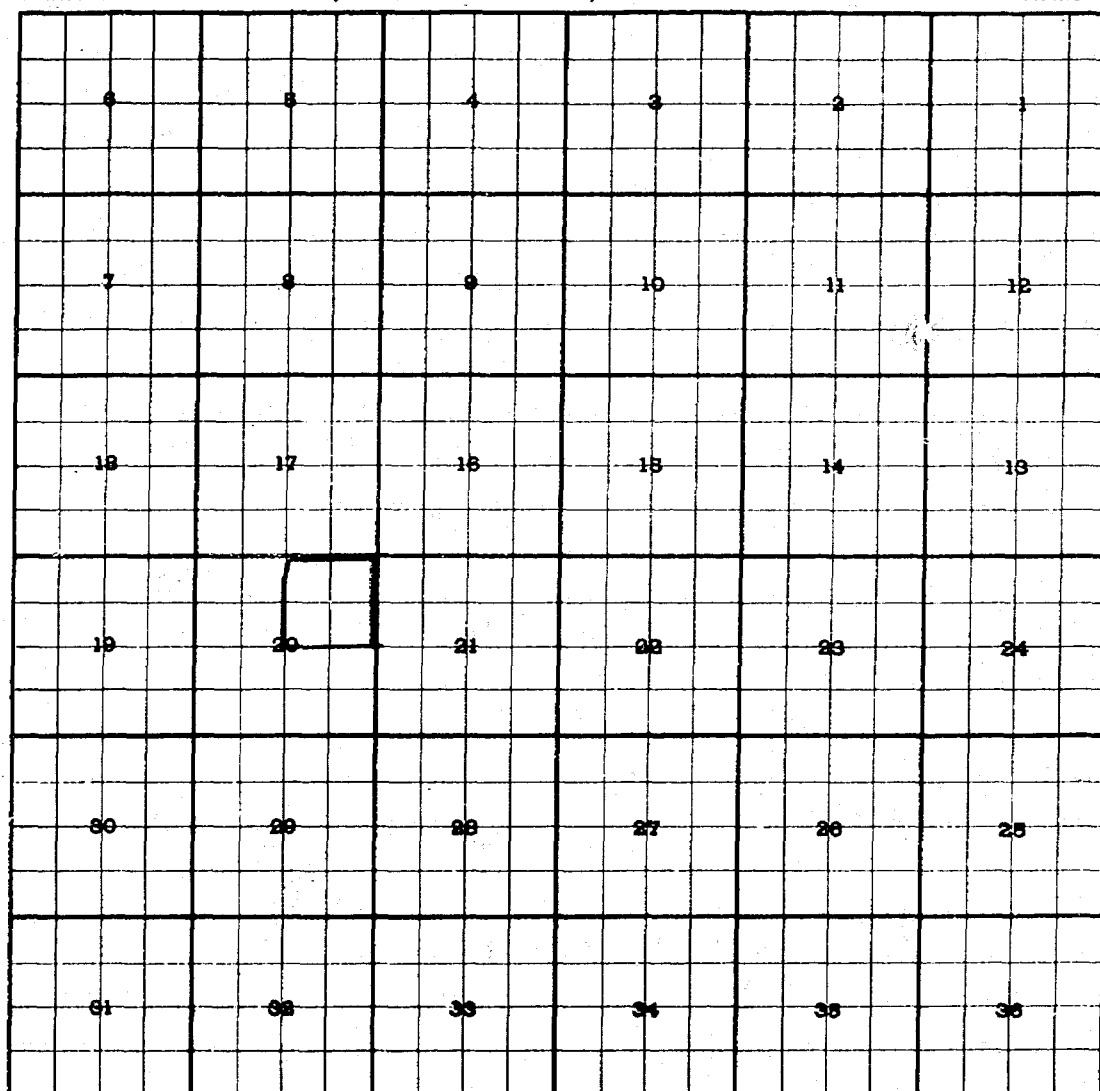
DISCOVERY WELL - SHELL OIL COMPANY - State B No. 36-1 in Unit C of
Section 36-T24S-R36E. Completed in Ellenburger July 5, 1960.
Top of perforations 12,730'.

Proposed pool boundary colored in red. SECTION 36: NW/4

CASE 2120: (d) CREATION OF AN OIL POOL.

County ROOSEVELT Pool SOUTH PRAIRIE-PENNSYLVANIAN

TOWNSHIP 8 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

DISCOVERY WELL: COSDEN PETROLEUM CORPORATION - Federal C No. 1 in Unit G
of Section 20-T8S-R36E. Completed in Bough "C" (PenN)
September 19, 1960. Top of perforations 9653'.

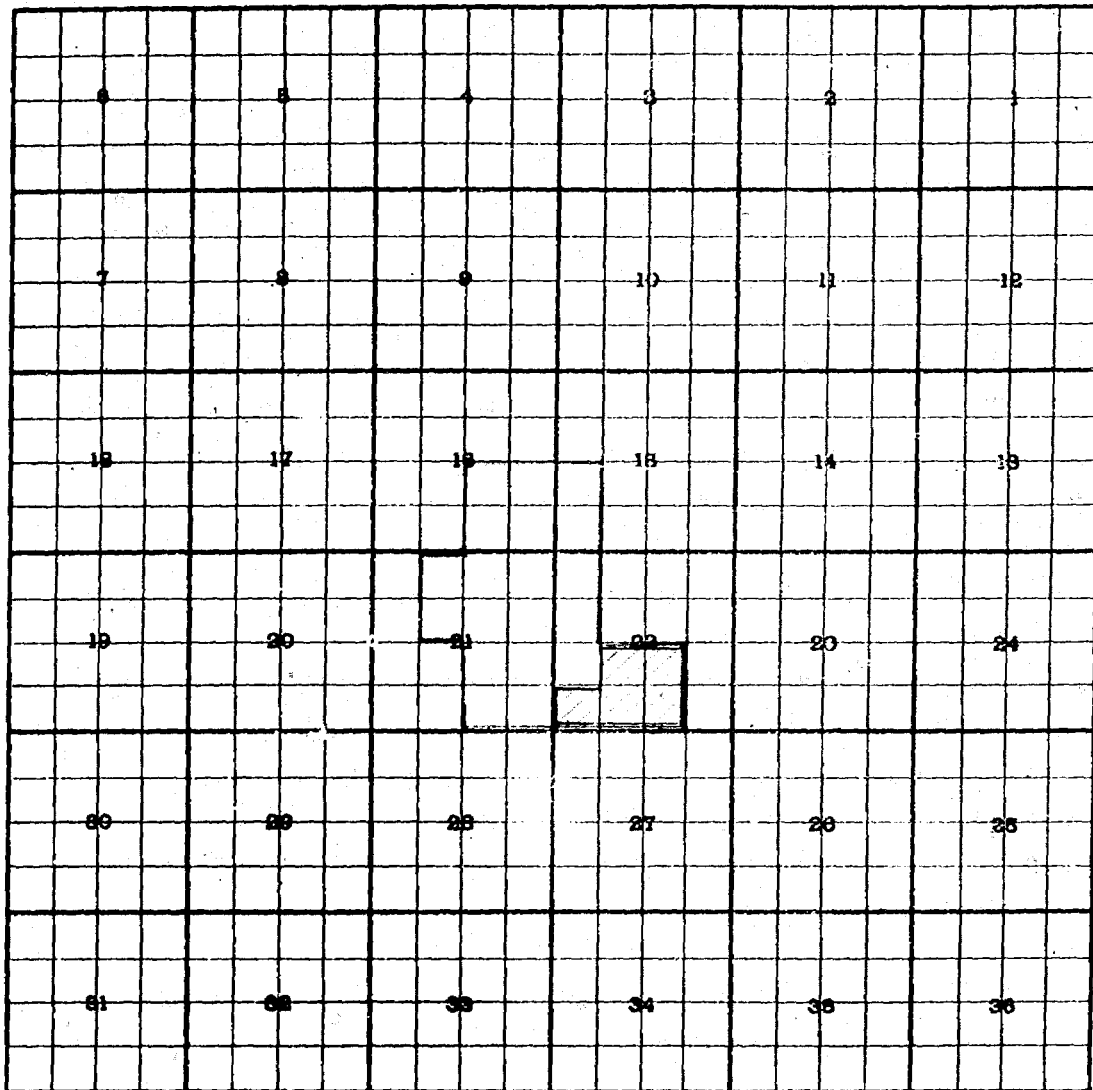
Proposed pool boundary colored in red. SECTION 20: NE/4

CASE 2120: (e) DELETION OF CERTAIN PORTIONS OF AN EXISTING OIL POOL

County LEA

Pool MIDDLE LYNCH YATES

TOWNSHIP 20 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Delete some non-productive acreage and remove geologically impossible wells from this pool.

Pool boundary colored in red.

Proposed deletions colored in blue. SECTION 22: W/2 SE/4, E/2 SW/4,

SW/4 SW/4

CASE 2120: (f) EXTENSION OF AN EXISTING OIL POOL.

County ROOSEVELT Pool ALLISON-PENNSYLVANIAN

TOWNSHIP 8 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN

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

PURPOSE: One completed oil well capable of producing.

NEARBURG & INGRAM - Atlantic No. 1 in Unit P of Section 36-T8S-R36E.

Completed in Bough "C" (Pennsylvanian) September 11, 1960.

Top of perforations 9627'.

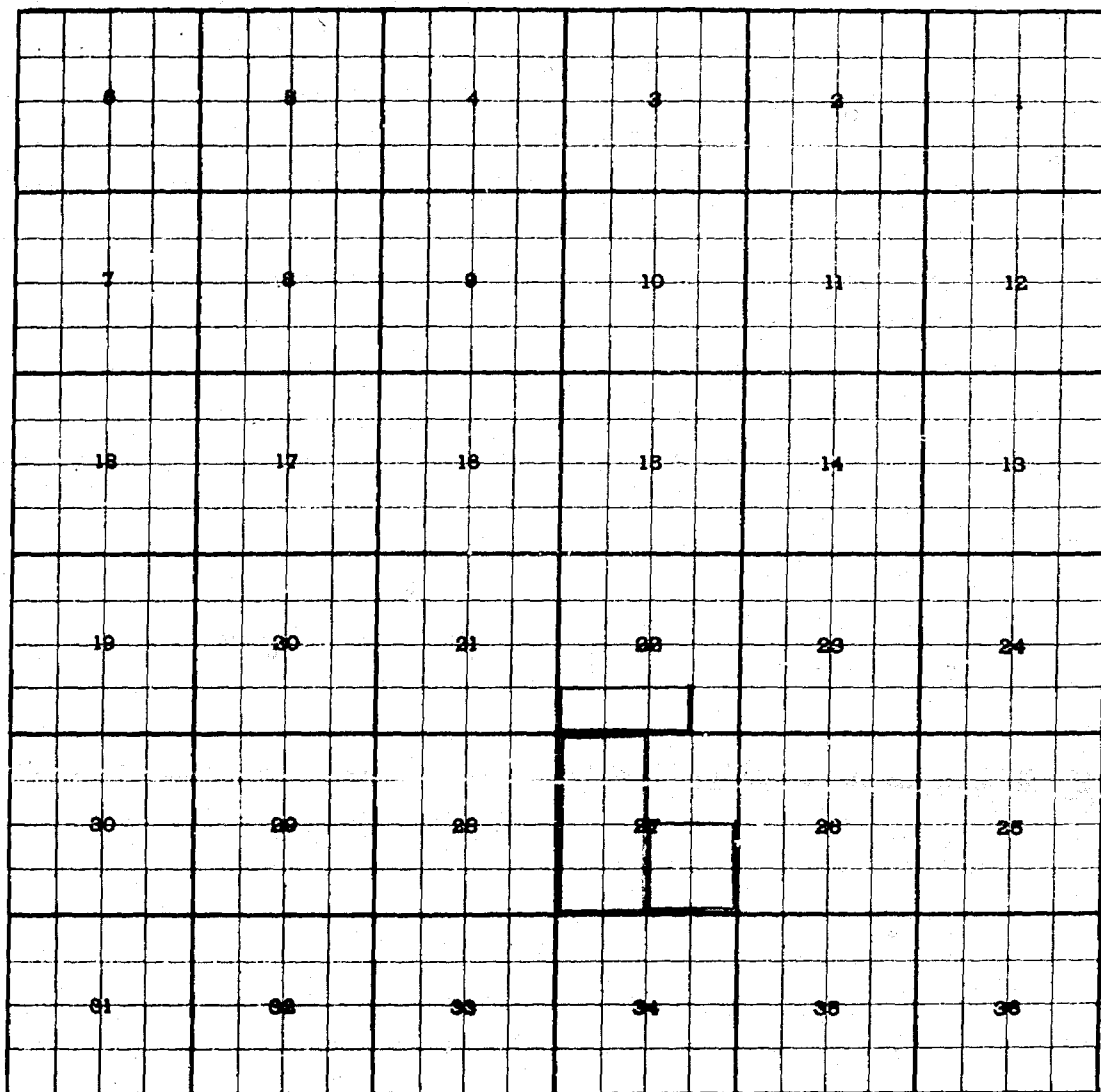
Pool boundary colored in red.

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

CASE 2120: (g) EXTENSION OF AN EXISTING OIL POOL

County CHAVES Pool SOUTH BITTER LAKE-SAN ANDRES

TOWNSHIP 10 South, RANGE 25 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Two (2) completed oil wells capable of producing.

J. F. MC ADAMS - Mohawk Federal No. 1-A in Unit O of Section 22-T10S-R25E.

Completed in San Andres September 18, 1960. Top of perms 894'.

ADDITION---J. F. MC ADAMS - Mary Ann Cannon No. 2 in Unit J of Section 27-T10S-R25E.

Completed in San Andres October 21, 1960. Top of perms 926'.

Pool boundary colored in red.

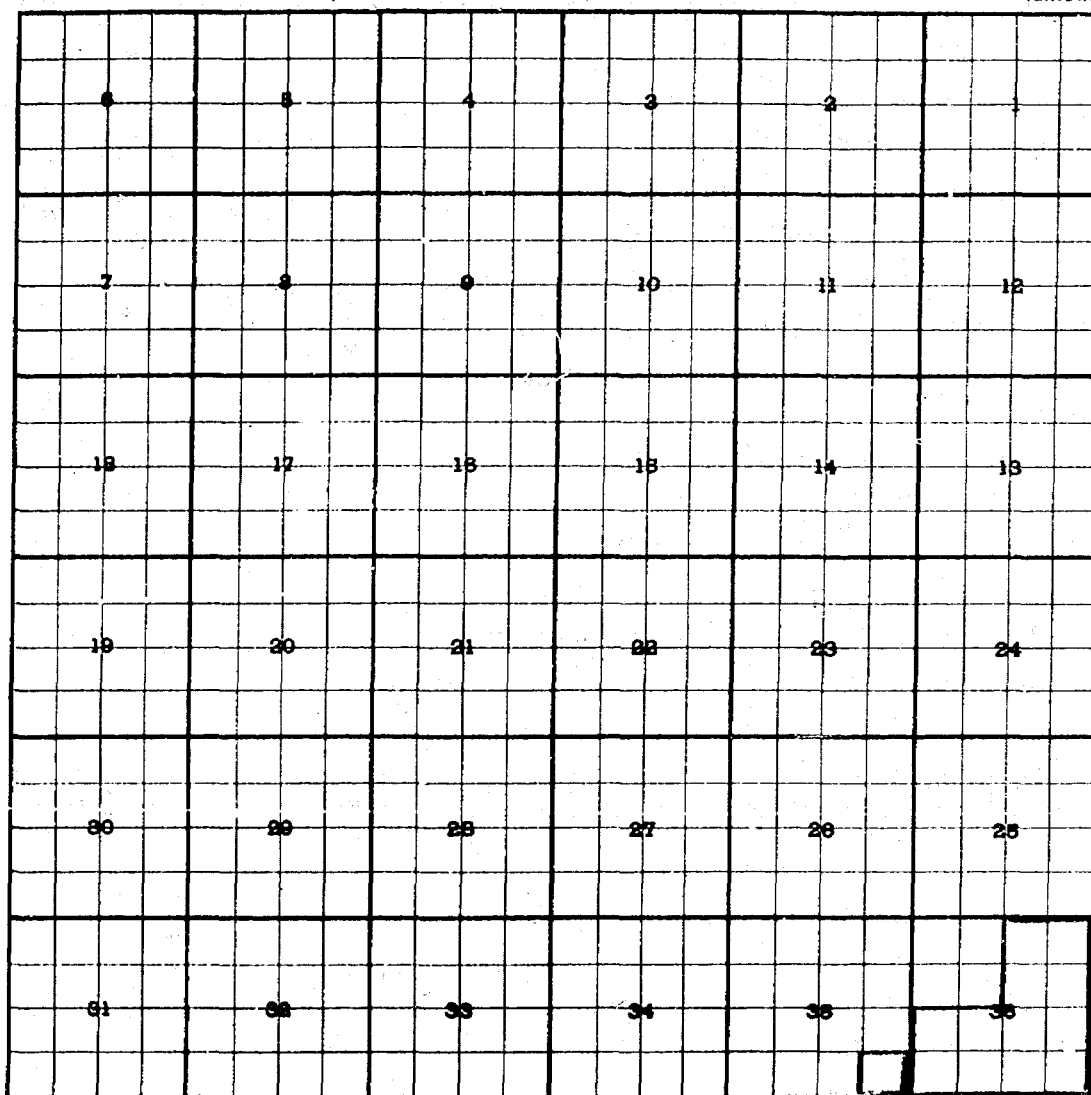
Proposed extension colored in green. SECTION 22: S/2 SW/4 & SW/4 SE/4

ADDITION---SECTION 27: SE/4

CASE 2120: (h) EXTENSION OF AN EXISTING OIL POOL.

County CHAVES Pcc: CARROCK-QUEEN

TOWNSHIP 12 South, RANGE 31 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

GREAT WESTERN DRILLING COMPANY - Pebble Queen Unit Tract 12 No. 35-16 in
Unit P of Section 35-T12S-R31E. Completed
in Queen August 25, 1960. Top of
perforations 3024'.

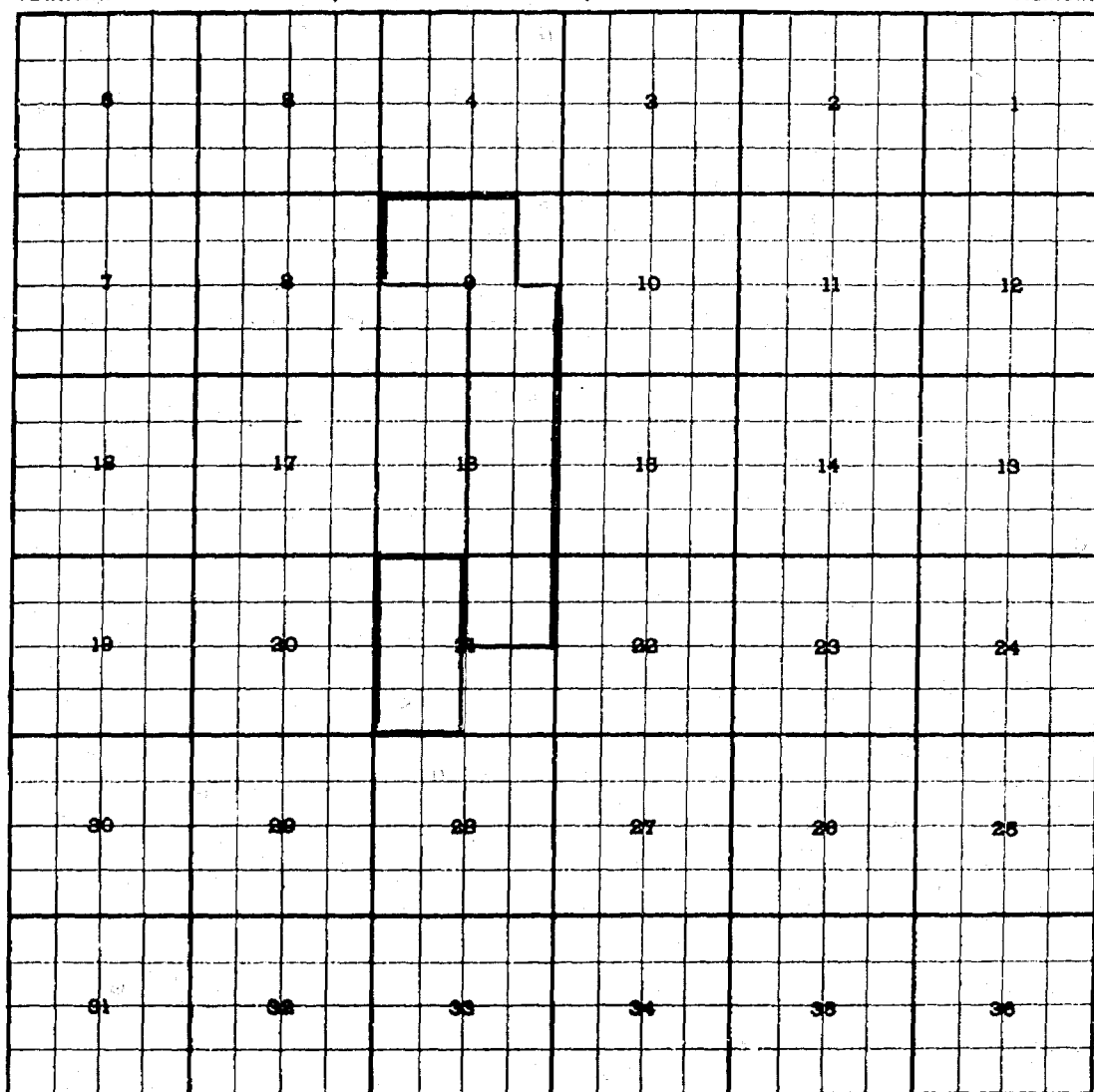
Pool boundary colored in red.

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

CASE 2120: (1) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool CAUDILL-WOLFCAMP

TOWNSHIP 15 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Two (2) completed oil wells capable of producing.

COLUMBIAN CARBON COMPANY - Dura H. Crockett No. 1 in Unit D of Sec. 21-T15S-R36E. Completed in Wolfcamp on August 27, 1960. Top of perforations 10,586'.

ADDITION--HUMBLE OIL & REFINING CO.- W. E. Caudill No. 1 in Unit K of Sec. 21-T15S-R36E. Completed in Wolfcamp October 18, 1960. Top of perforations 10,628'.

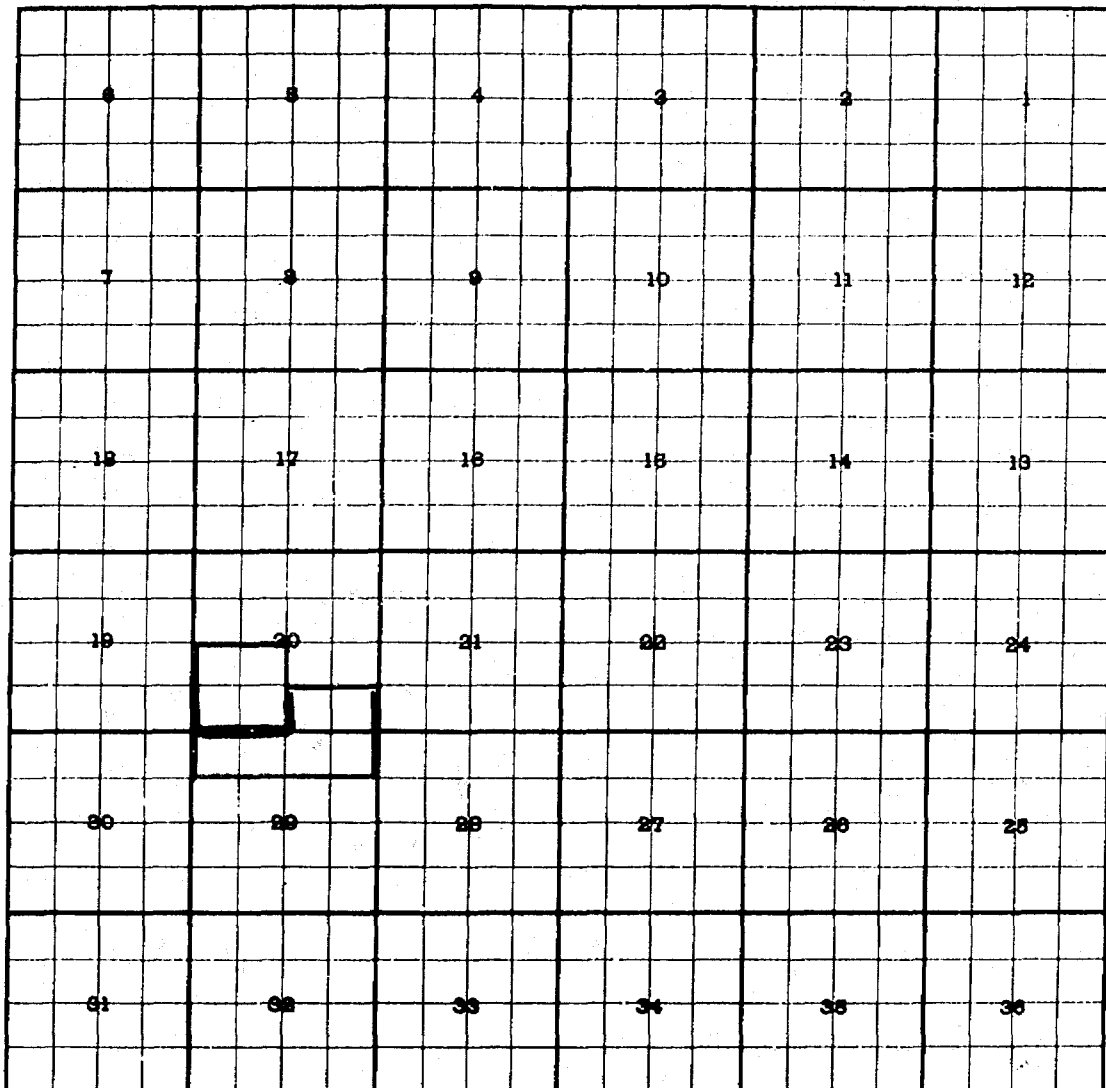
Pool boundary colored in red.

Proposed extensions colored in green. SECTION 21: NW/4) or W/2
ADDITION--SECTION 21: SW/4)

CASE 2120:(4) EXTENSION OF AN EXISTING OIL POOL.

County EDDY Pool CEDAR LAKE-ABO

TOWNSHIP 17 South, RANGE 31 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Two (2) completed oil wells capable of producing.

SINCLAIR OIL & GAS CO. - Turner "B" SP No. 69 in Unit B of Sec. 29-T17S-R31E.

Completed in Abo September 12, 1960. Top of perforations 7108'.

ADDITION-----SINCLAIR OIL & GAS CO. - Turner "B" SP No. 73 in Unit C of Sec. 29-T17S-R31E.

Completed in Abo October 26, 1960. Top of perforations 7084'.

Pool boundary colored in red.

Proposed extensions colored in green. SECTION 20: S/2 SE/4

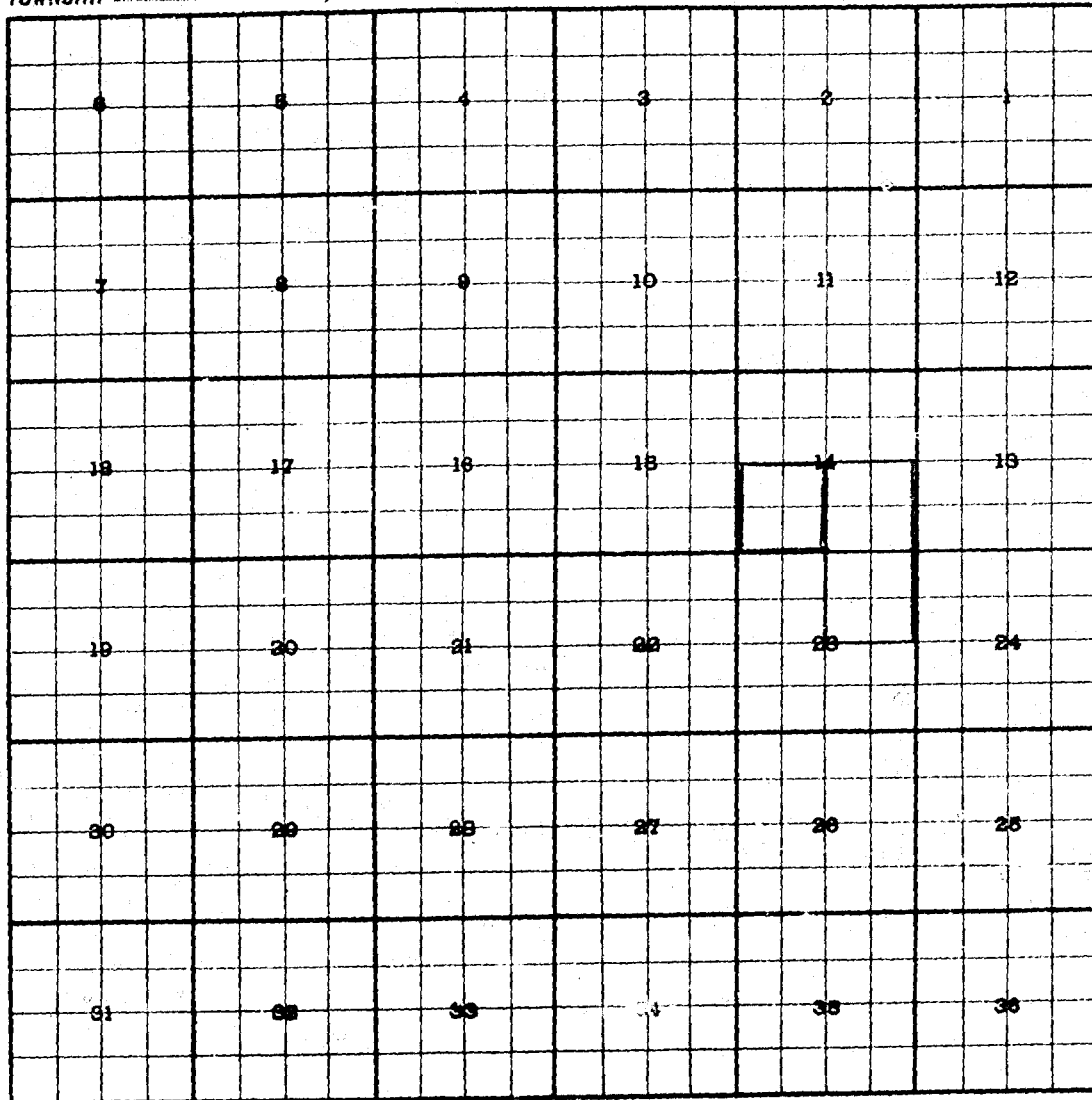
SECTION 29: N/2 NE/4)

ADDITION-----SECTION 29: N/2 NW/4) or N/2 N/2

CASE 2120: (k) EXTENSION OF AN EXISTING OIL POOL.

County EDDY Pool EAGLE CREEK-SAN ANDRES

TOWNSHIP 17 South, RANGE 25 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

M. S. THOMPSON - Morris Estate No. 1 in Unit L of Section 14-T17S-R25E.

Completed in San Andres June 15, 1960.

Top of perforations 1301'.

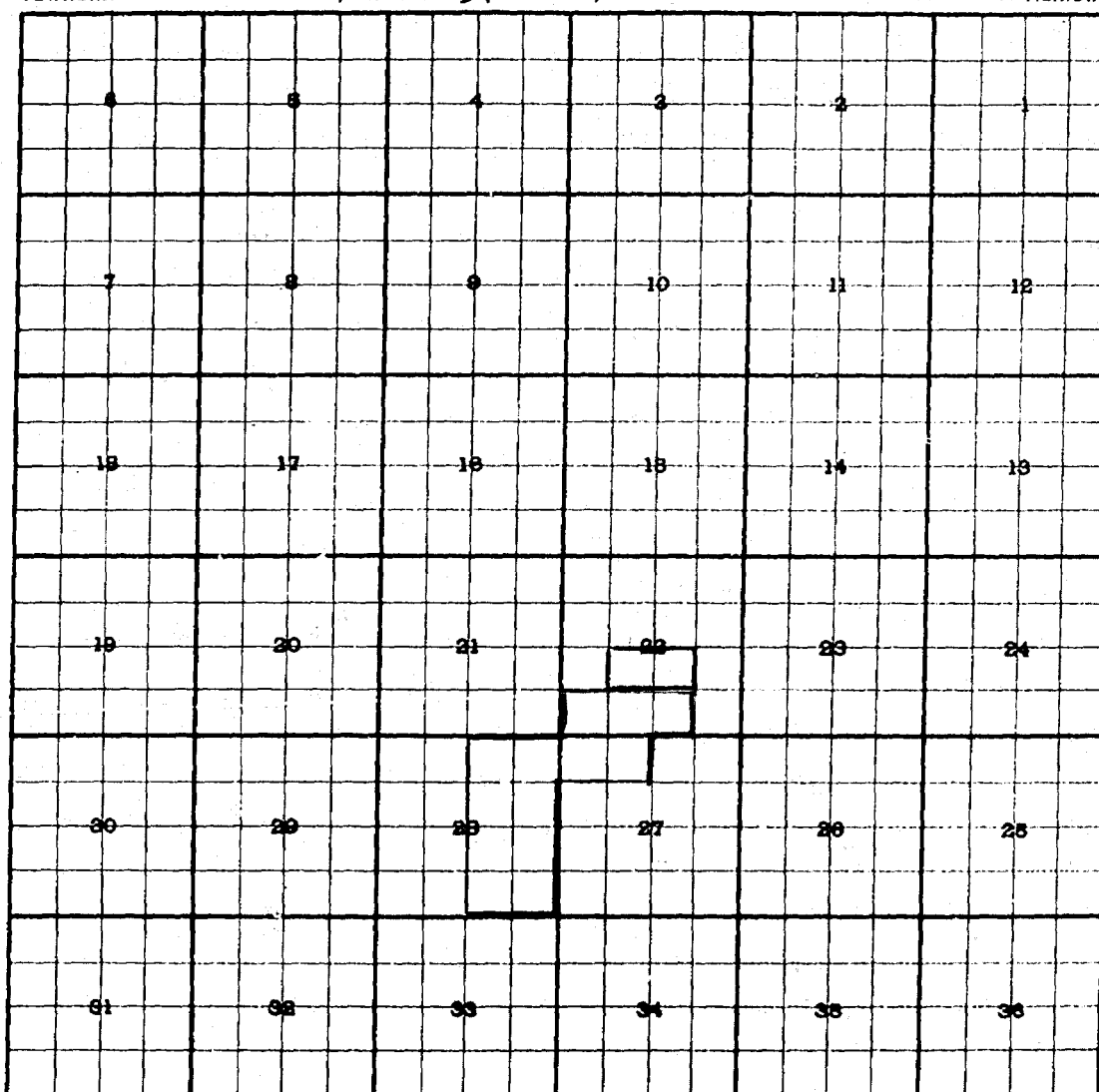
Pool boundary colored in red.

Proposed extension colored in green. SECTION 14: SW/4

CASE 2120:(1) EXTENSION OF AN EXISTING OIL POOL.

County LEA Pool EAST E.K-QUEEN

TOWNSHIP 18 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: Two (2) completed oil wells capable of producing.

CONTINENTAL OIL COMPANY - State X-22 No. 3 in Unit J of Sec. 22-T188-R34E.

Completed in Queen September 18, 1960.

Top of perforations 4532'.

ADDITION---CONTINENTAL OIL COMPANY - State V-22 No. 2 in Unit K of Sec. 22-T188-R34E.

Completed in Queen October 25, 1960.

Top of perforations 4552'.

Pool boundary colored in red.

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

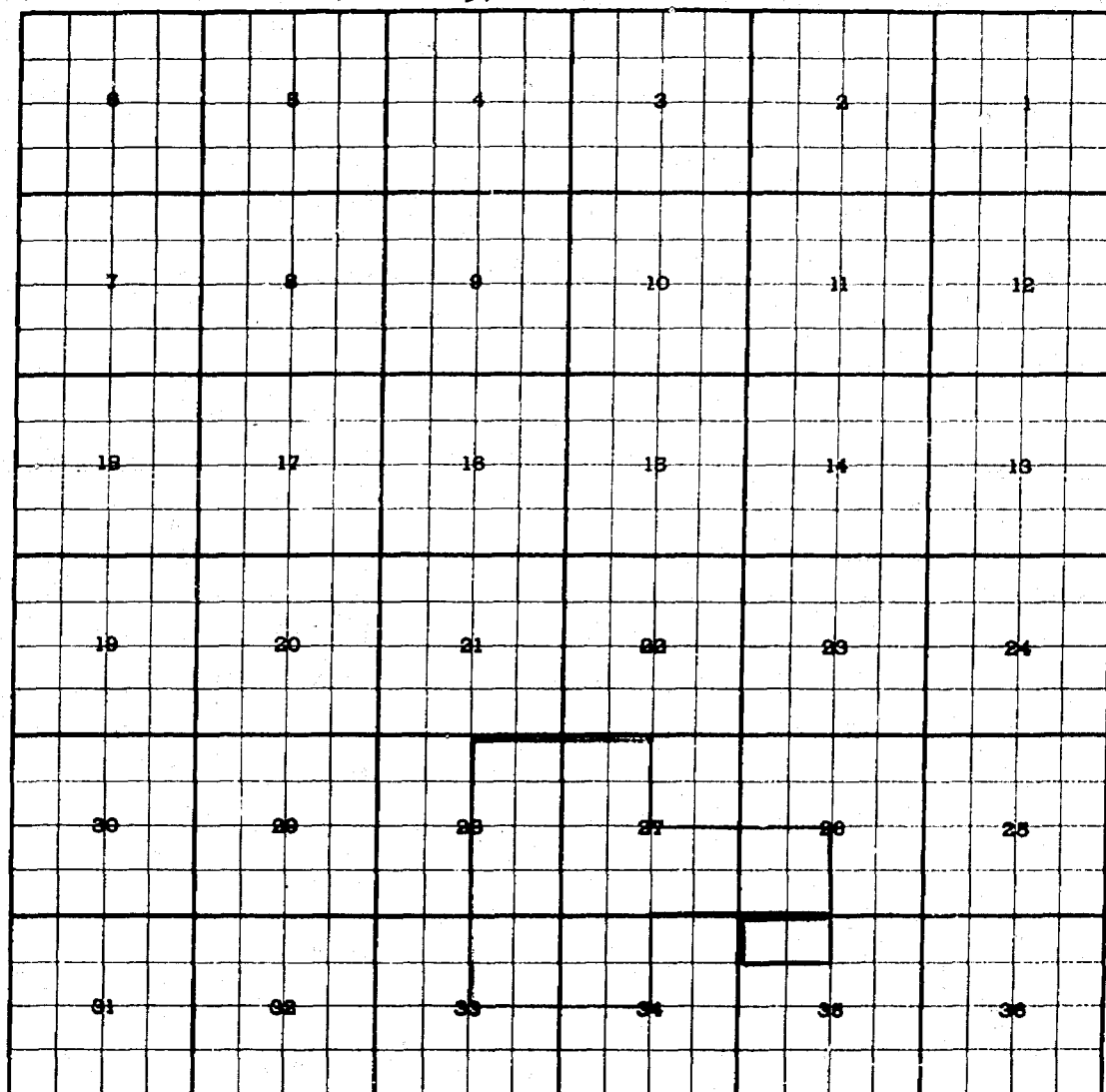
ADDITION---SECTION 22: NE/4 SW/4

CASE 2120-(m) EXTENSION OF AN EXISTING OIL POOL.

County LEA

Pool SOUTHWEST GLADIOLA-DEVONIAN

TOWNSHIP 12 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

NEARBURG & INGRAM - Midhurst No. 1 in Unit D of Section 35-T12S-R37E.

Completed in Devonian September 30, 1960.

Top of perforations 12,188'.

Pool boundary colored in red.

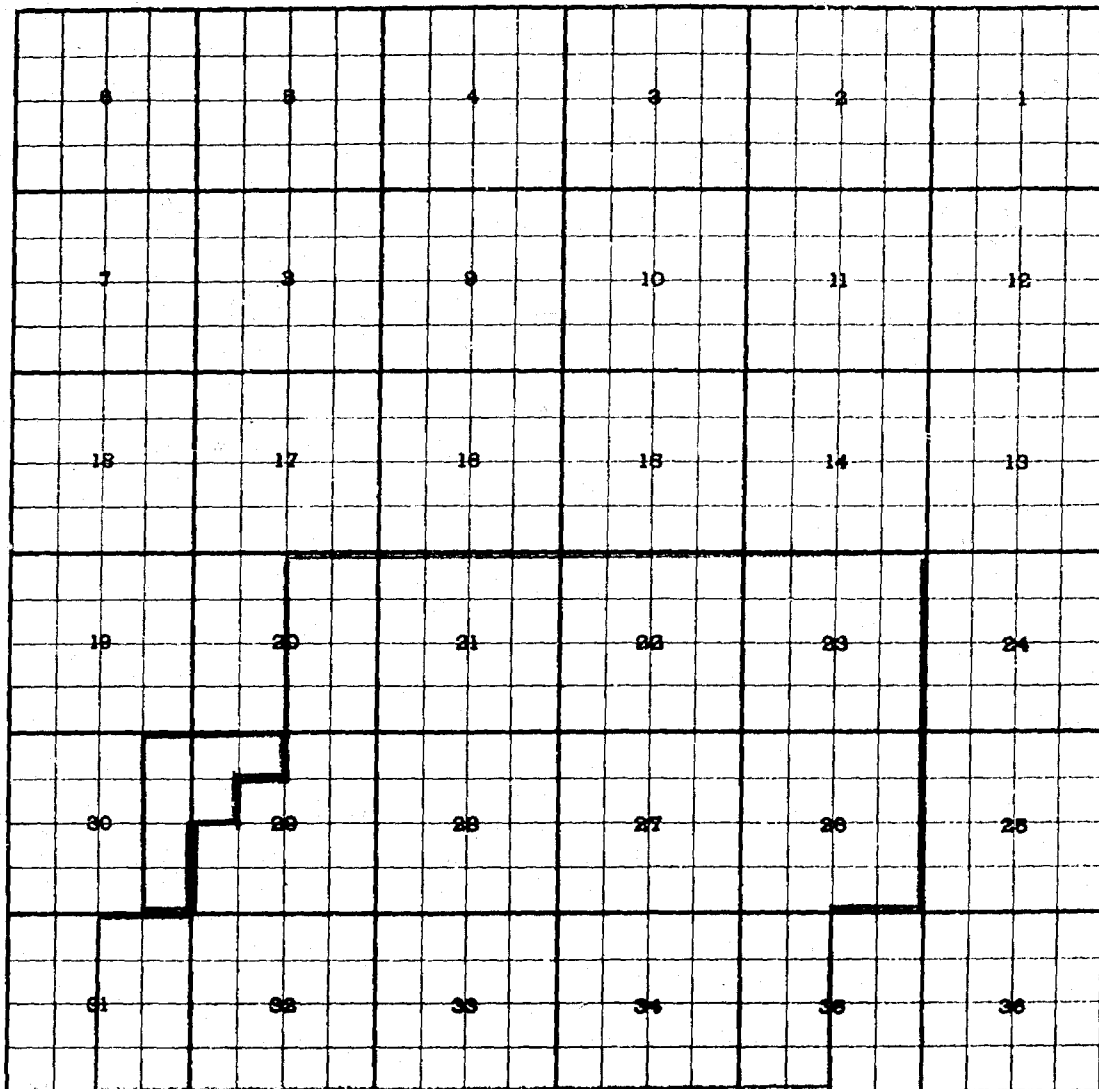
Proposed extension colored in green. SECTION 35: N/2 NW/4

(This proposed extension is the 80 acres dedicated to this well)

CASE 2120: (n) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool LANGLIE MATTIX

TOWNSHIP 22 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN

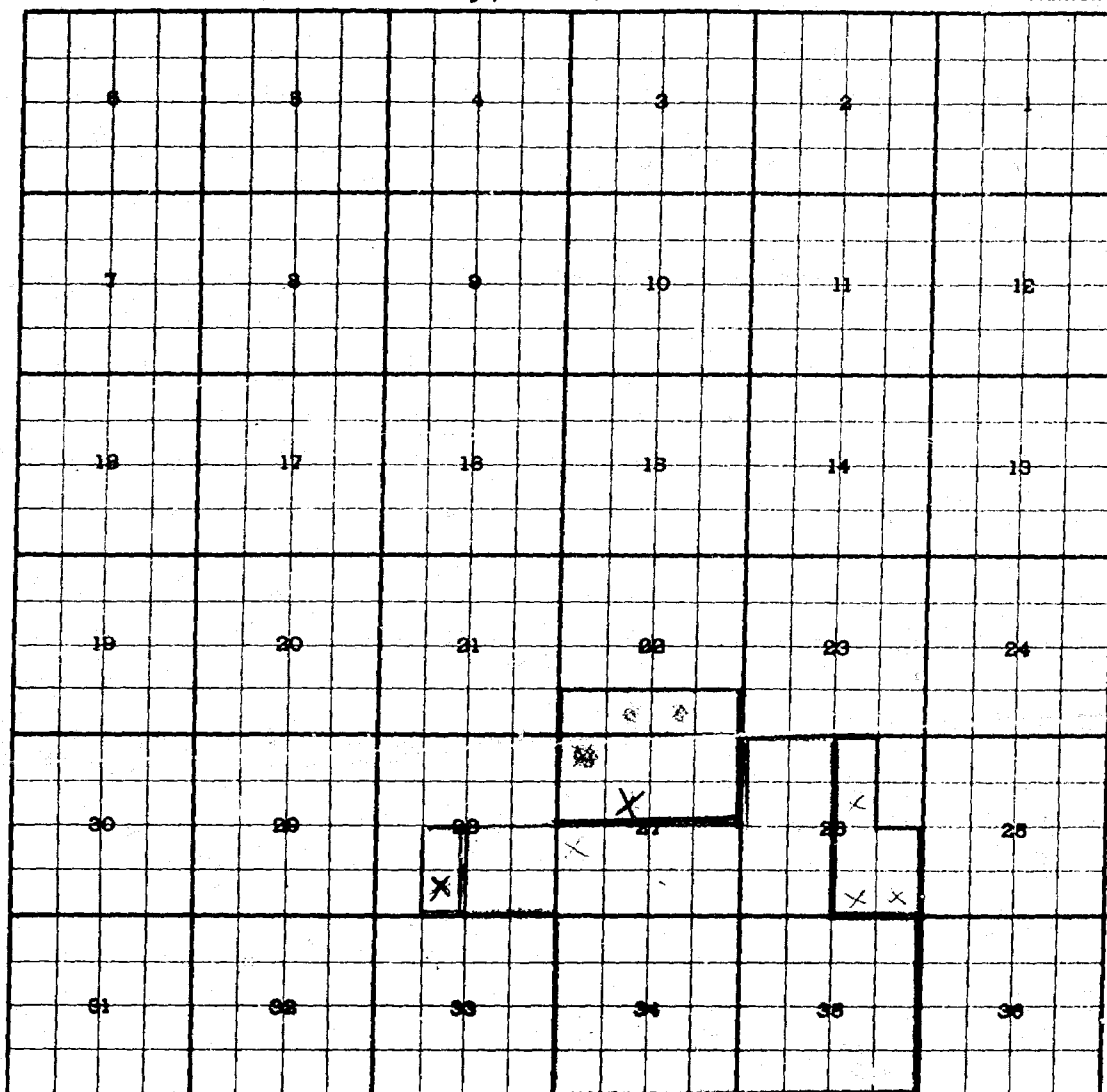


PURPOSE: Four (4) completed oil wells capable of producing.
HUMBLE OIL & REFINING CO. - N.M.State "M" No. 23 in Unit C of Sec. 29-T22S-R37E.
Completed in Queen September 19, 1960. Top of perforations 3584'.
HUMBLE OIL & REFINING CO. - N.M.State "M" No. 26 in Unit E of Sec. 29-T22S-R37E.
Completed in Queen September 9, 1960. Top of perforations 3628'.
ADDITION-----HUMBLE OIL & REFINING CO. - N.M.State "M" No. 27 in Unit H of Sec. 30-T22S-R37E.
Completed in Queen October 6, 1960. Top of perforations 3682'.
ADDITION-----HUMBLE OIL & REFINING CO. - N.M.State "M" No. 28 in Unit I of Sec. 30-T22S-R37E.
Completed in Queen October 26, 1960. Top of perforations 3696'.
Peel boundary colored in red.
Proposed extensions colored in green. SECTION 29: N/2 NW/4 and SW/4 NW/4
ADDITION-----SECTION 30: E/2 E/2

CASE 2120: (o) EXTENSION OF AN EXISTING OIL POOL.

County LEA Pool LYNCH-YATES

TOWNSHIP 20 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



SW/4
27
S/2 SW/4
27
E/2
SW/4
28

PURPOSE: To include two wells formerly in Middle Lynch-Yates Pool and three undesignated wells, all of which are geologically capable of producing from the Lynch-Yates Pool.

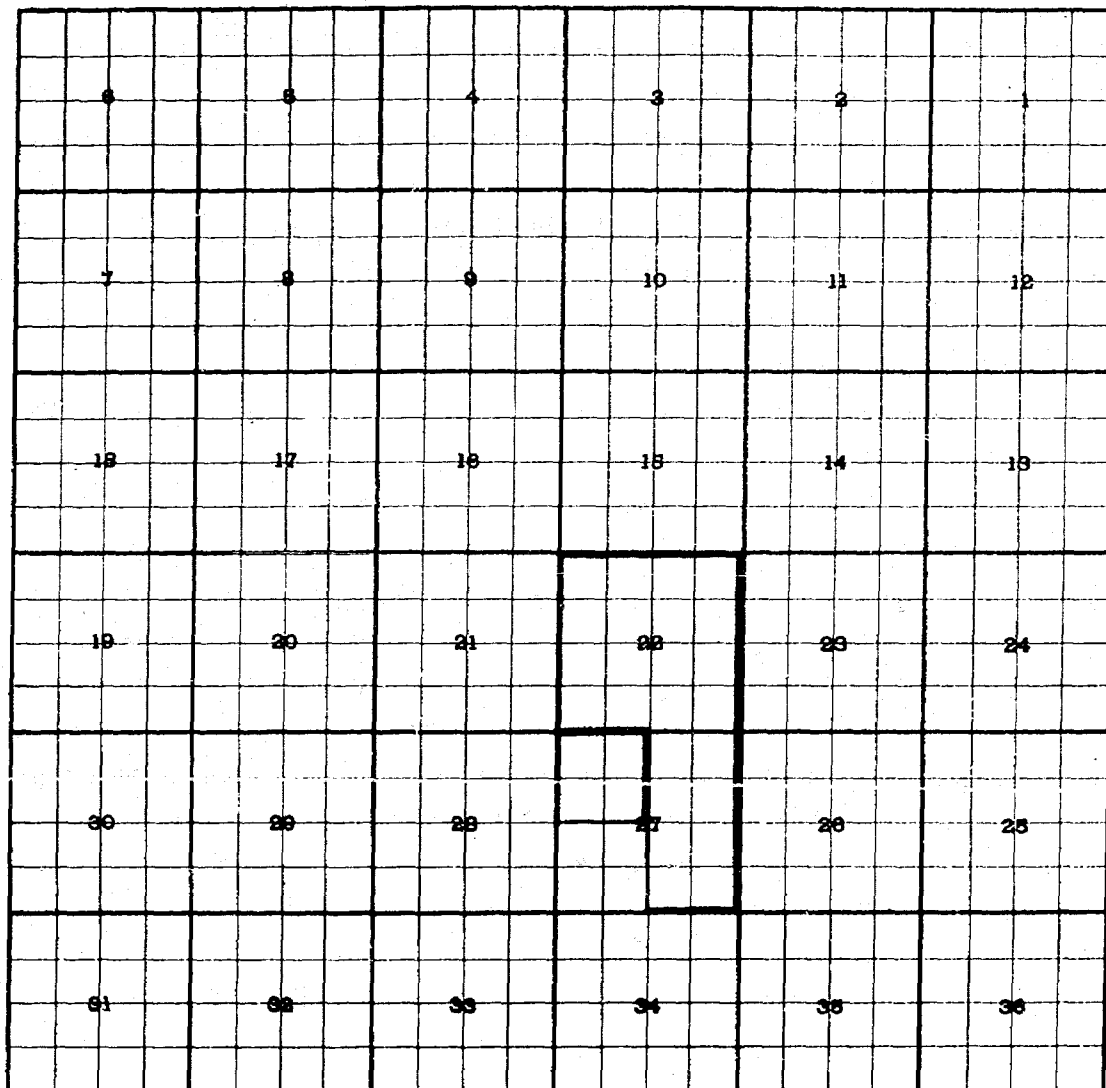
Pool boundary colored in red.

Proposed extensions colored in green. SECTION 22: S/2 S/2
SECTION 26: SE/4 and W/2 NE/4
SECTION 27: N/2
SECTION 28: E/2 SW/4

CASE 2120: (p) EXTENSION OF AN EXISTING OIL POOL.

County LEA Pool MESCALERO-DEVONIAN

TOWNSHIP 10 South, RANGE 32 East, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

RALPH LOWE - State Mescalero No. 1 in Unit F of Section 27-T10S-R32E.

Completed in Devonian September 17, 1960.

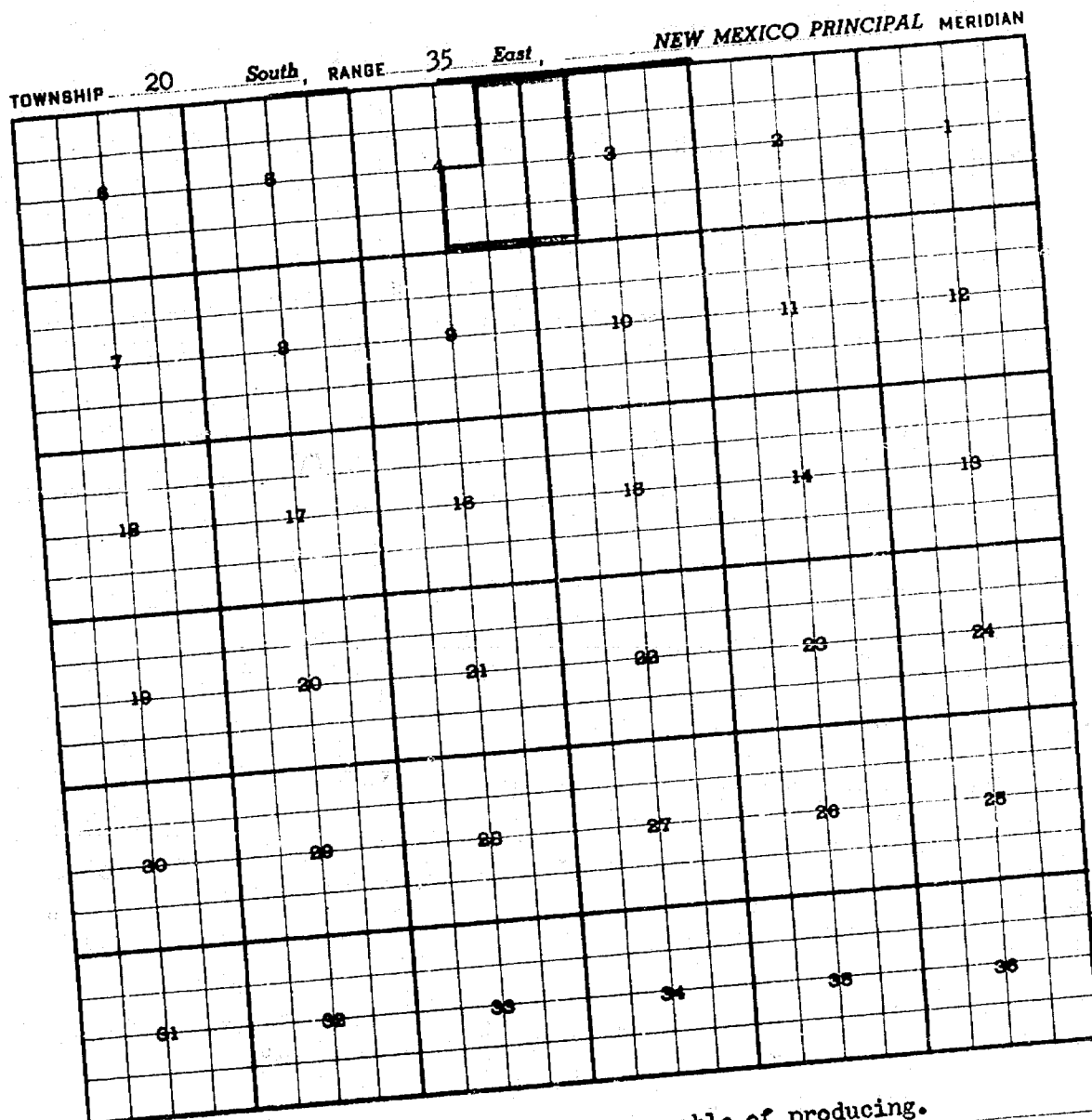
Top of perforations 9781'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 27: NW/4

CASE 2120: (q) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool PEARL-QUEEN



PURPOSE: Two (2) completed oil wells capable of producing.

JAMES G. BROWN & ASSOCIATES - Federal No. 1 in Unit O of Sec. 4-T20S-R35E.

Completed in Queen September 2, 1960. Top of perforations 4954'.

C. W. Trainer - Western No. 1 in Unit L of Section 3-T20S-R35E.

Completed in Penrose (Queen) September 30, 1960. Top of perforations 4886'.

THIS PROPOSED EXTENSION IS CONTIGUOUS TO PEARL-QUEEN POOL IN T19S-R35E

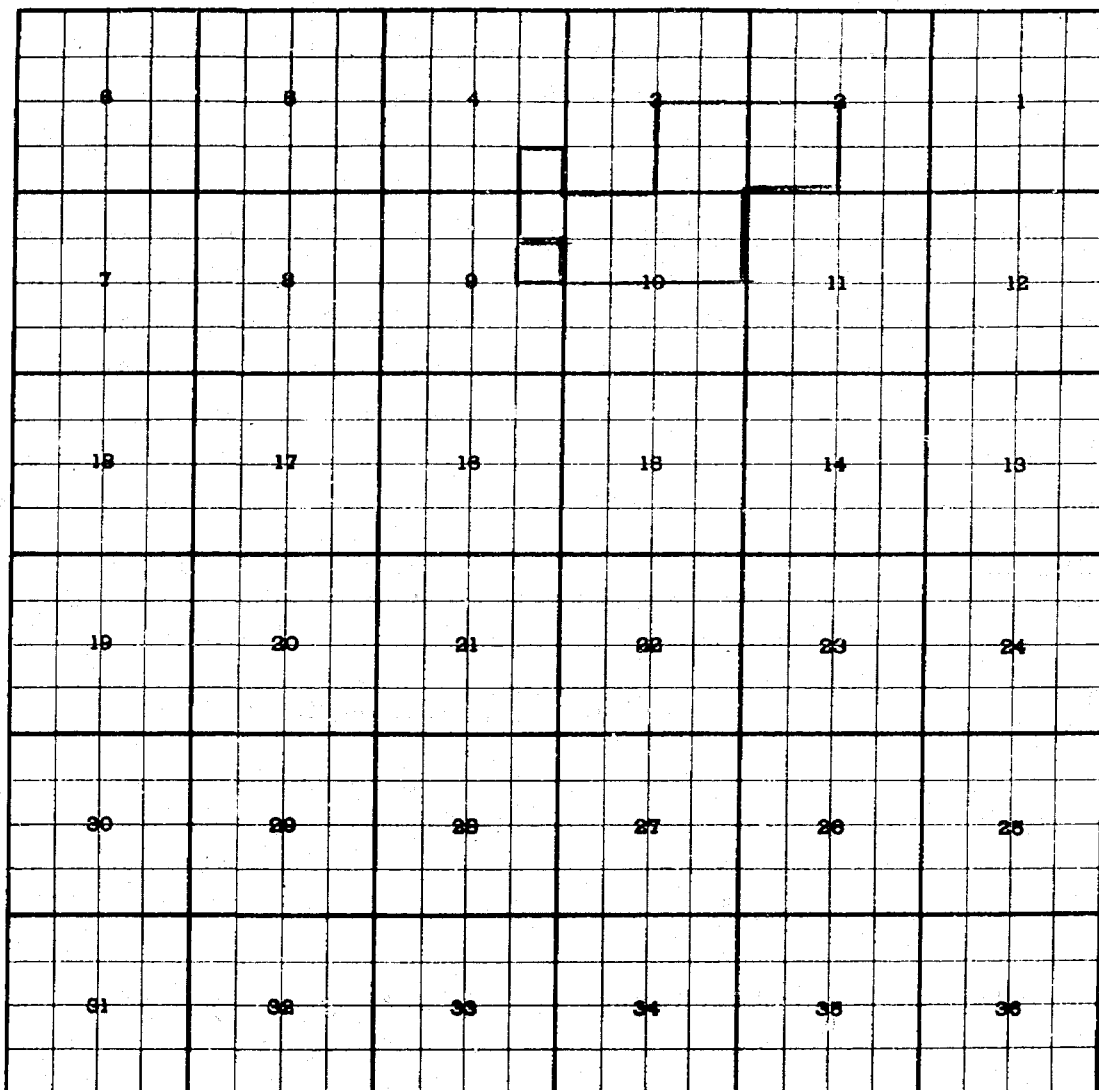
Proposed extension colored in green. SECTION 3: W/2 W/2

SECTION 4: E/2 NE/4 and SE/4

CASE 2120: (r) EXTENSION OF AN EXISTING OIL POOL

County EDDY Pool NORTH SQUARE LAKE-GRAYBURG

TOWNSHIP 16 *South*, RANGE 31 *East*, NEW MEXICO PRINCIPAL MERIDIAN



PURPOSE: One completed oil well capable of producing.

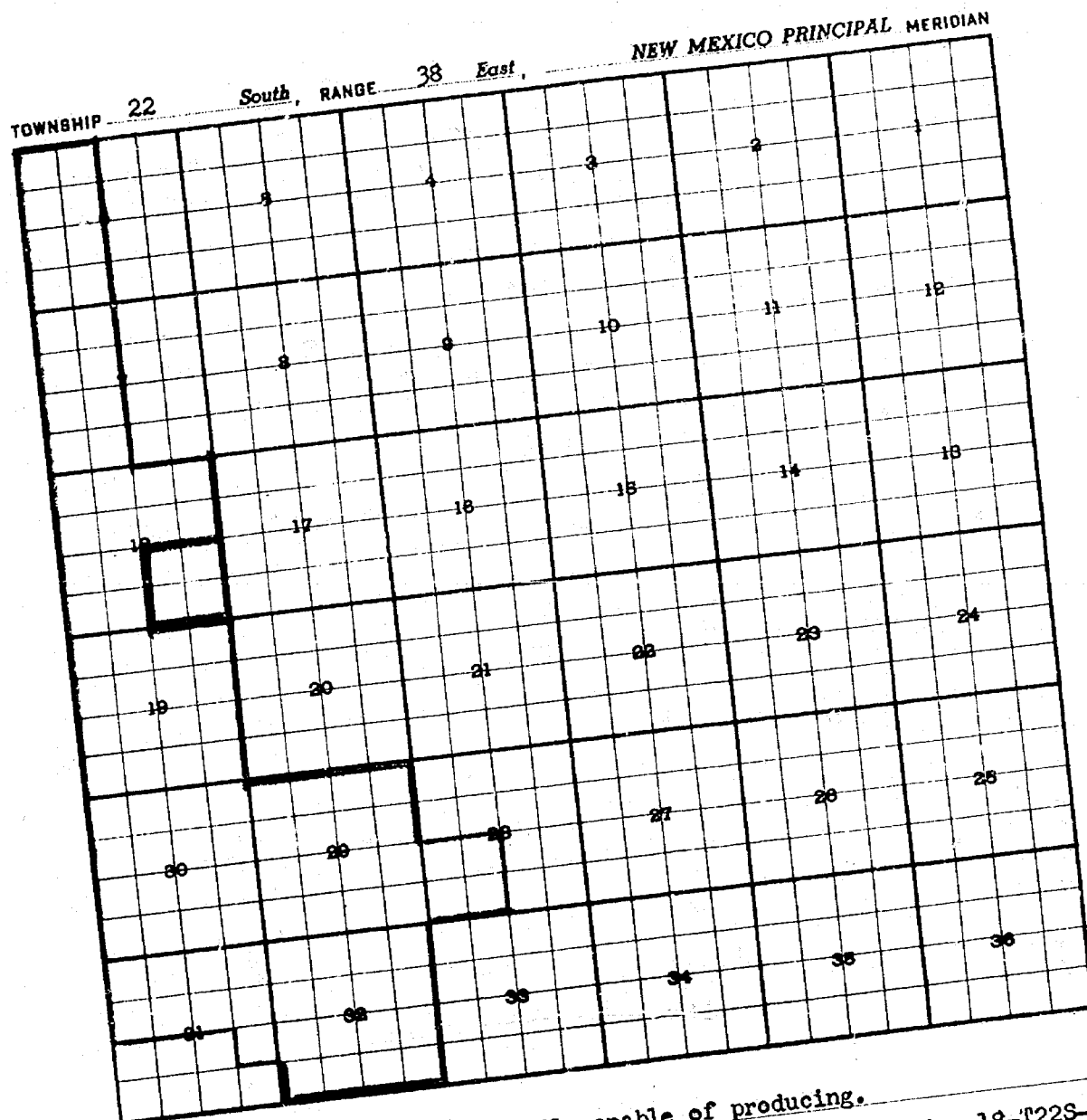
Standard Oil Co. of Texas - Federal 14-9 No. 2 in Unit H of Section 9-
T16S-R31E. Completed in Grayburg Sept. 9,
1960. Top of perforations 3602'.

Pool boundary colored in red.

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

CASE 2120: (a) EXTENSION OF AN EXISTING GAS POOL.

County LEA Pool TUBB GAS



PURPOSE: One completed OIL WELL capable of producing.

TEXACO INC. - C. H. Lockhart NCT-1 No. 4 in Unit J of Section 18-T22S-R38E.

Completed in Tubb October 1, 1960. Top of perforations 6180'.

Gravity 40.1.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 18: SE/4

NO. 33-60

DOCKET: REGULAR HEARING, WEDNESDAY, NOVEMBER 16, 1960

OIL CONSERVATION COMMISSION - 9 A.M. - MABRY HALL, STATE CAPITOL, SANTA FE, N.M.

- ALLOWABLE:
- (1) Consideration of the oil allowable for December, 1960.
 - (2) Consideration of the allowable production of gas for December, 1960, for six prorated pools in Lea County, New Mexico, and also presentation of purchasers' nominations for the six-month period beginning January 1, 1961 for that area. Consideration of the allowable production of gas for eight prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico for December 1960.

NEW CASES

CASE 2118: Application of The Ohio Oil Company for the promulgation of temporary special rules and regulations governing the Lea-Devonian Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order promulgating temporary special rules and regulations governing the Lea-Devonian Pool, Lea County, New Mexico, including a provision for 80-acre proration units.

CASE 2119: Application of The Ohio Oil Company for the creation of a new oil pool for Bone Springs production and for the promulgation of temporary special rules and regulations governing said pool. Applicant, in the above-styled cause, seeks an order creating a new oil pool for Bone Springs production to be designated the Lea-Bone Springs Pool and to comprise the SW/4 of Section 12, Township 20 South, Range 34 East, Lea County, New Mexico. Applicant further seeks the promulgation of temporary special rules and regulations governing said pool including a provision for 80-acre proration units.

CASE 2120: Southeastern New Mexico nomenclature case calling for an order creating new pools and extending existing pools in Chaves, Eddy, Lea and Roosevelt Counties, New Mexico:

- (a) Create a new oil pool for San Andres production, designated as the West Bitter Lake-San Andres Pool, and described as:

Township 10 South, Range 25 East, NMPM
Section 17: SE/4

- (b) Create a new gas pool for Pennsylvanian production, designated as the Black River-Pennsylvanian Gas Pool, and described as:

Township 24 South, Range 26 East, NMPM
Section 12: SE/4

- (c) Create a new gas pool for Ellenburger production, designated as the Custer-Ellenburger Gas Pool, and described as:

Township 24 South, Range 36 East, NMPM
Section 36: NW/4

- (d) Create a new oil pool for Pennsylvanian production, designated as the South Prairie-Pennsylvanian Pool, and described as:

Township 8 South, Range 36 East, NMPM
Section 20: NE/4

- (e) Delete certain portions of the Middle Lynch-Yates Pool, described as:

Township 20 South, Range 34 East, NMPM
Section 15: W/2 SW/4
Section 16: SE/4
Section 21: E/2 NW/4, S/2 NE/4, and SE/4
Section 22: W/2 NW/4, W/2 SE/4, and SW/4

- (f) Extend the Allison-Pennsylvanina Pool, to include:

Township 8 South, Range 36 East, NMPM
Section 36: SE/4

- (g) Extend the South Bitter Lake-San Andres Pool, to include:

Township 10 South, Range 25 East, NMPM
Section 22: S/2 SW/4 and SW/4 SE/4

- (h) Extend the Caprock-Queen Pool, to include:

Township 12 South, Range 31 East, NMPM
Section 35: SE/4 SE/4

- (i) Extend the Caudill-Wolfcamp Pool, to include:

Township 15 South, Range 36 East, NMPM
Section 21: NW/4

- (j) Extend the Cedar Lake-Abo Pool, to include:

Township 17 South, Range 31 East, NMPM
Section 20: S/2 SE/4
Section 29: N/2 NE/4

- (k) Extend the Eagle Creek-San Andres Pool, to include:

Township 17 South, Range 25 East, NMPM
Section 14: SW/4

- (l) Extend the East E.K-Queen Pool, to include:

Township 18 South, Range 34 East, NMPM
Section 22: NW/4 SE/4

- (m) Extend the Southwest Gladiola-Devonian Pool, to include:

Township 12 South, Range 37 East, NMPM
Section 35: N/2 NW/4

- (n) Extend the Langlie Mattix Pool to include:

Township 22 South, Range 37 East, NMPM
Section 29: N/2 NW/4 and SW/4 NW/4

- (o) Extend the Lynch-Yates Pool to include:

Township 20 South, Range 34 East, NMPM
Section 22: S/2 S/2
Section 26: SE/4 and W/2 NE/4
Section 27: N/2
Section 28: E/2 SW/4

- (p) Extend the Mescalero-Devonian Pool to include:

Township 10 South, Range 32 East, NMPM
Section 27: NW/4

- (q) Extend the Pearl-Queen Pool to include:

Township 20 South, Range 35 East, NMPM

Section 3: W/2 W/2

Section 4: E/2 NE/4 and SE/4

- (r) Extend the North Square Lake-Grayburg Pool to include:

Township 16 South, Range 31 East, NMPM

Section 9: SE/4 NE/4

- (s) Extend the Tubb Gas Pool to include:

Township 22 South, Range 38 East, NMPM

Section 18: SE/4

CASE 2121:

Northwestern New Mexico nomenclature case calling for an order for the creation of a new pool and for extending existing pools in San Juan and Rio Arriba Counties, New Mexico.

- (a) Create a new pool classified as an oil pool for Gallup production, designated as the Kutz-Gallup Oil Pool and described as:

Township 27 North, Range 11 West, NMPM,

Section 2: N/2 & SW/4

Section 4: S/2 & NW/4

Section 5: All

Section 9: N/2 & SE/4

Section 10: N/2

Section 11: NW/4

Township 28 North, Range 11 West, NMPM,

Section 31: SE/4

Section 32: SW/4

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

Township 25 North, Range 4 West, NMPM,

Section 13: N/2

Township 26 North, Range 5 West, NMPM,

Section 10: SW/4

Township 28 North, Range 6 West, NMPM,

Section 35: E/2

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(c) Extend the Otero-Chacra Pool, to include:

Township 24 North, Range 5 West, NMPM,
Section 4: NW/4

Township 25 North, Range 5 West, NMPM,
Section 33: SW/4

(d) Extend the Cha Cha-Gallup Oil Pool, to include:

Township 28 North, Range 13 West, NMPM,
Section 7: E/2 (Partial)
Section 8: W/2 (Partial)

Township 29 North, Range 13 West, NMPM,
Section 31: SW/4

Township 29 North, Range 14 West, NMPM,
Section 20: NE/4
Section 21: S/2 & NW/4
Section 22: SW/4
Section 25: SW/4
Section 26: S/2 & NW/4
Section 27: All
Section 28: N/2
Section 36: N/2 & SE/4

(e) Extend the Devils Fork-Gallup Pool, to include:

Township 24 North, Range 7 West, NMPM,
Section 11: E/2 NE/4

(f) Extend the Verde-Gallup Oil Pool, to include:

Township 30 North, Range 15 West, NMPM,
Section 5: S/2 SW/4

Township 31 North, Range 14 West, NMPM,
Section 22: SW/4 NW/4

CASE 2089:

(De Novo)

Application of Val R. Reese & Associates, Pan American Petroleum Corporation, El Paso Natural Gas Company and Redfern and Herd for a hearing de novo in Case 2089 which was an application for special rules and regulations governing the drilling, spacing and production of oil and gas wells in the Escrito-Gallup Oil Pool, Rio Arriba County, New Mexico.

Check

NOMENCLATURE ADVERTISEMENT FOR NOVEMBER 1960

CASE NO. 2120

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

- ✓ a) CREATE a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production, designated as the West Bitter Lake-San Andres Pool, and described as: ✓

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
SECTION 17: SE/4

- ✓ b) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Black River-Pennsylvanian Gas Pool, and described as:

TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
SECTION 12: SE/4

- ✓ c) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Ellenburger production, designated as the Custer-Ellenburger Gas Pool, and described as:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
SECTION 36: NW/4

- ✓ d) CREATE a new pool in Roosevelt County, New Mexico, classified as an oil pool for Pennsylvanian production, designated as the South Prairie-Pennsylvanian Pool, and described as:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: NE/4

- ~~✓~~ e) DELETE certain portions of the Middle Lynch-Yates Pool in Lea County, New Mexico, described as:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 15: W/2 SW/4
SECTION 16: SE/4
SECTION 21: E/2 NW/4, S/2 NE/4, and SE/4
SECTION 22: W/2 NW/4, W/2 SE/4, and SW/4

November 1960 Nomenclature Advertisement

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

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

- X g) EXTEND the South Bitter Lake-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
SECTION 22: S/2 SW/4 and SW/4 SE/4

- X h) EXTEND the Caprock-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 12 SOUTH, RANGE 31 EAST, NMPM
SECTION 35: SE/4 SE/4

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

TOWNSHIP 15 SOUTH, RANGE 36 EAST, NMPM
SECTION 21: NW/4

- ✓ j) EXTEND the Cedar Lake-Abo Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM
SECTION 20: S/2 SE/4
SECTION 29: N/2 NE/4

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

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
SECTION 14: SW/4

- l) EXTEND the East E.K-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 22: NW/4 SE/4

- m) EXTEND the Southwest Gladiola-Devonian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 12 SOUTH, RANGE 37 EAST, NMPM
SECTION 35: N/2 NW/4

-3-

November 1960 Nomenclature Advertisement

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

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 29: N/2 NW/4 and SW/4 NW/4

- o) EXTEND the Lynch-Yates Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 22: S/2 S/2
SECTION 26: SE/4 and W/2 NE/4
SECTION 27: N/2
SECTION 28: E/2 SW/4

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

TOWNSHIP 10 SOUTH, RANGE 32 EAST, NMPM
SECTION 27: NW/4

- q) EXTEND the Pearl-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
SECTION 3: W/2 W/2
SECTION 4: E/2 NE/4 and SE/4

- r) EXTEND the North Square Lake-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
SECTION 9: SE/4 NE/4

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

TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM
SECTION 18: SE/4

GOVERNOR
JOHN BURROUGHS
CHAIRMAN

MAIN OFFICE OCT 7 AM 8:58
State of New Mexico
Oil Conservation Commission

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY DIRECTOR

LAND COMMISSIONER
MURRAY E. MORGAN
MEMBER

P. O. BOX 2045
HOBBS

October 5, 1960

Mr. Daniel S. Nutter
Chief Engineer
Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Dear Dan:

Pursuant to your letter of September 29 concerning the nomenclature of the Vogel and Brown wells in the Lynch area, I made a detailed study of the structure of this area and found that the wells in question should be placed in the Lynch Pool. Following are my recommendations for solving this problem:

DELETION OF ACREAGE FROM MIDDLE LYNCH POOL

Section 15: W/2 SW/4
Section 16: SE/4
Section 21: E/2 NW/4, S/2 NE/4, and SE/4
Section 22: W/2 NW/4, SW/4, and W/2 SE/4

EXTENSION OF ACREAGE TO THE LYNCH POOL

Section 22: S/2 S/2
Section 26: SW/4, W/2 NW/4, and SE/4 NW/4
Section 27: N/2
Section 28: E/2 SW/4

Enclosed are four plats and a structure map. The area of extension to the Lynch pool was determined by the closure on the structure map. Plat (1) shows the proposed area of deletion and the remaining pool boundary for the Middle Lynch Pool. Plat (2) shows the proposed extension to the Lynch Pool and the present Lynch Pool boundaries. Plat (3) shows both the Middle Lynch and Lynch Pools boundaries after the deletions and extensions. Plat (4) shows the present pool boundaries.

T20 S
R-34 E

T20 S
R 34 E

-2-

Mr. Daniel S. Nutter
October 5, 1960

There are a few wells in the Lynch Pool which are completed into the top of the Seven Rivers formation. Most of these completions are open hole. The vertical limit of the Lynch and Middle Lynch Pools is the Yates formation.

In the event that you agree with my recommendations, I shall advertise them for the November hearing.

Very truly yours,

John W. Runyan
Geologist, District I

JWR:mg
Copy to
J. D. Ramey - Proration Manager

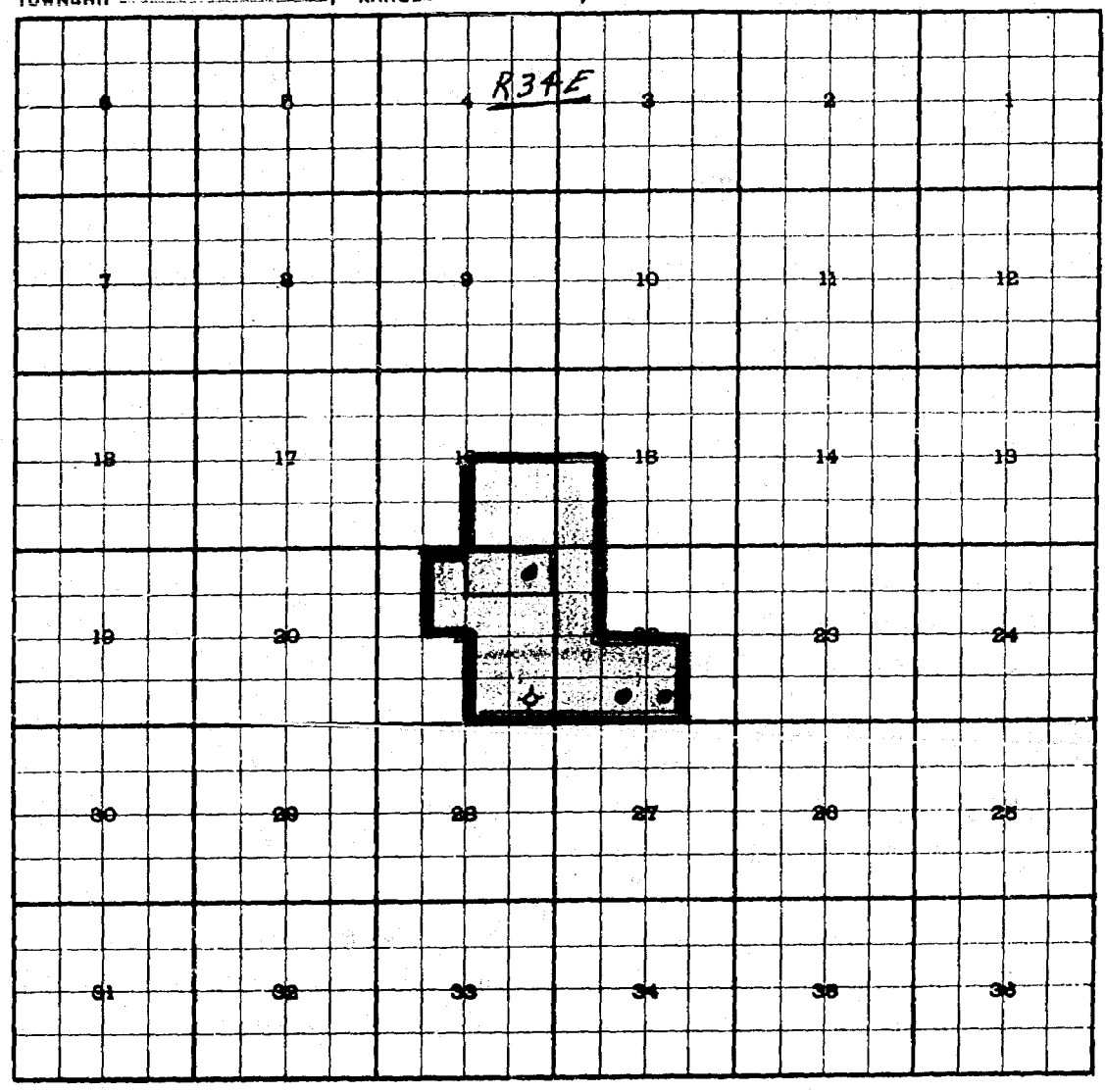
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Plat #1

County Lee

Pool Middle Lynch Pool

TOWNSHIP _____ South, RANGE _____ East, NEW MEXICO PRINCIPAL MERIDIAN



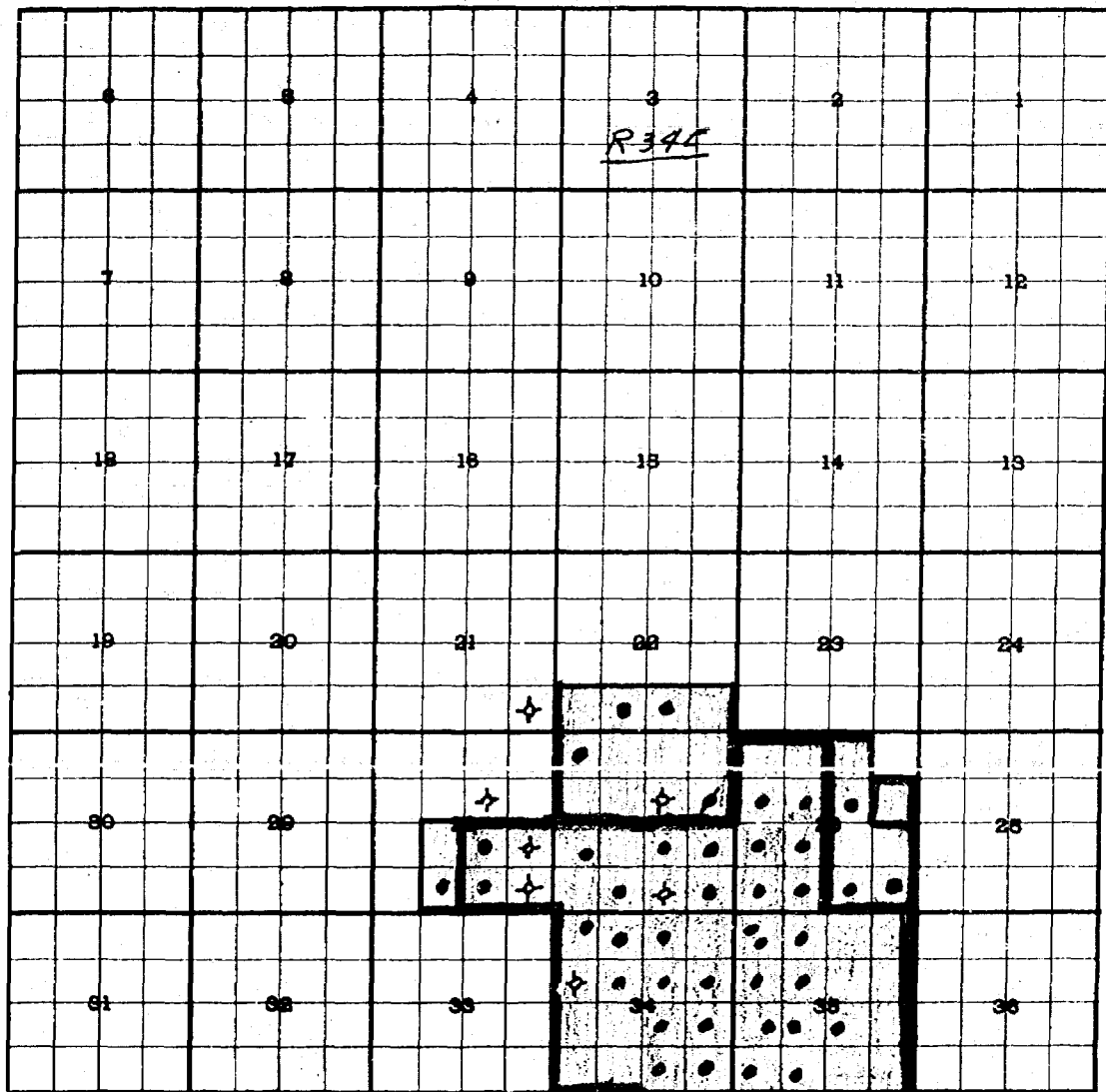
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- A- Green out Line denotes Present Pool boundaries
- B- Solid green denotes recommended pool size after deletion of acreage
- C- Red denotes areas to be deleted.

2120 Plat #2

County Lee Pool Lynch Pool

TOWNSHIP South, RANGE East, NEW MEXICO PRINCIPAL MERIDIAN



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A.-red color denotes areas to be extended to present Lynch pool.

B.- Green denotes present pool boundaries.

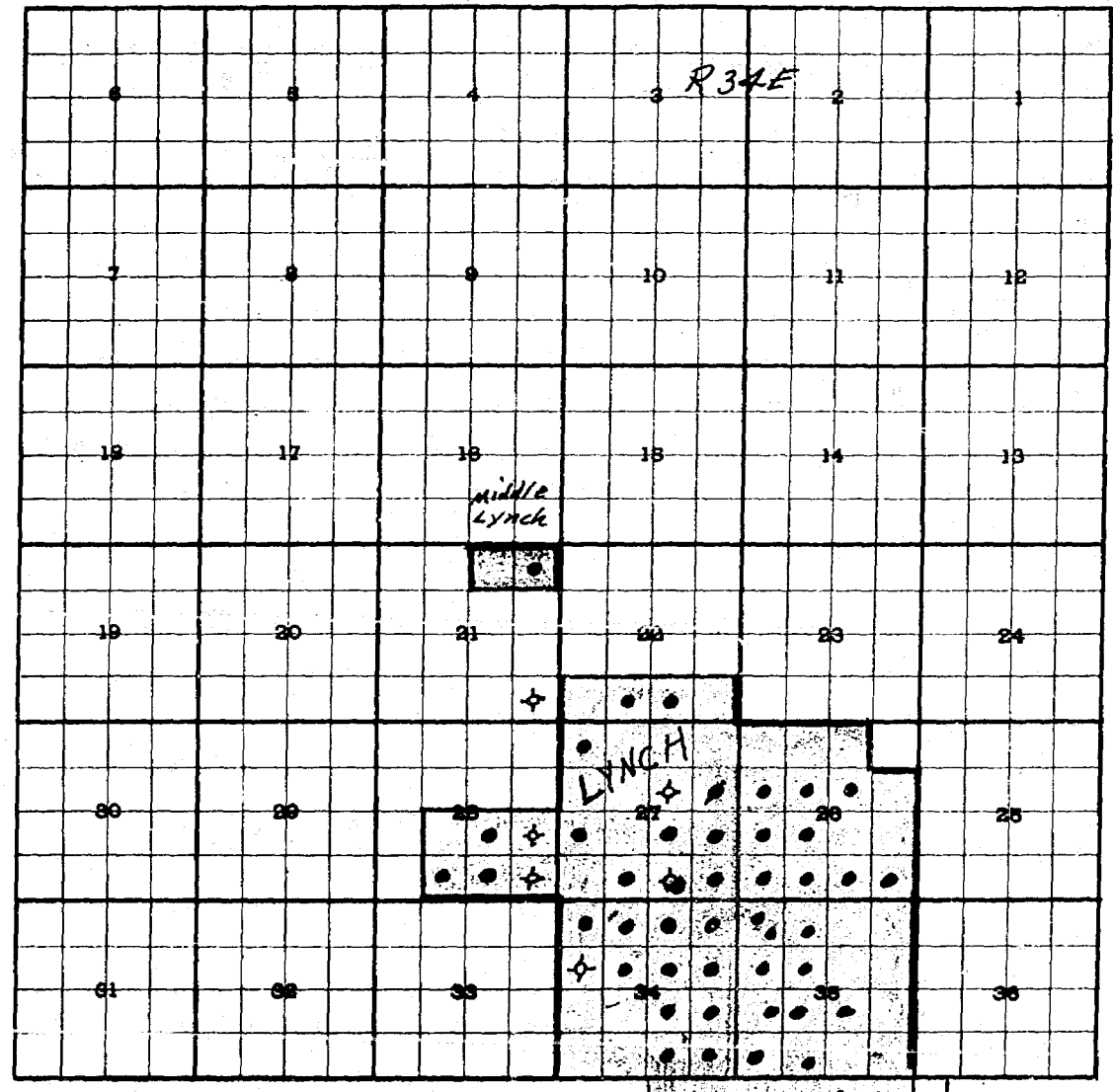
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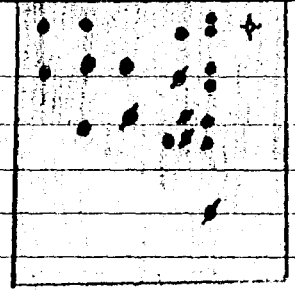
9/20 Plat #3

County Lee Pool Lynch & Middle Lynch Pools

TOWNSHIP _____ South, RANGE _____ East, NEW MEXICO PRINCIPAL MERIDIAN



Middle Lynch & Lynch Pools after
Deletions and Extensions are
Completed.



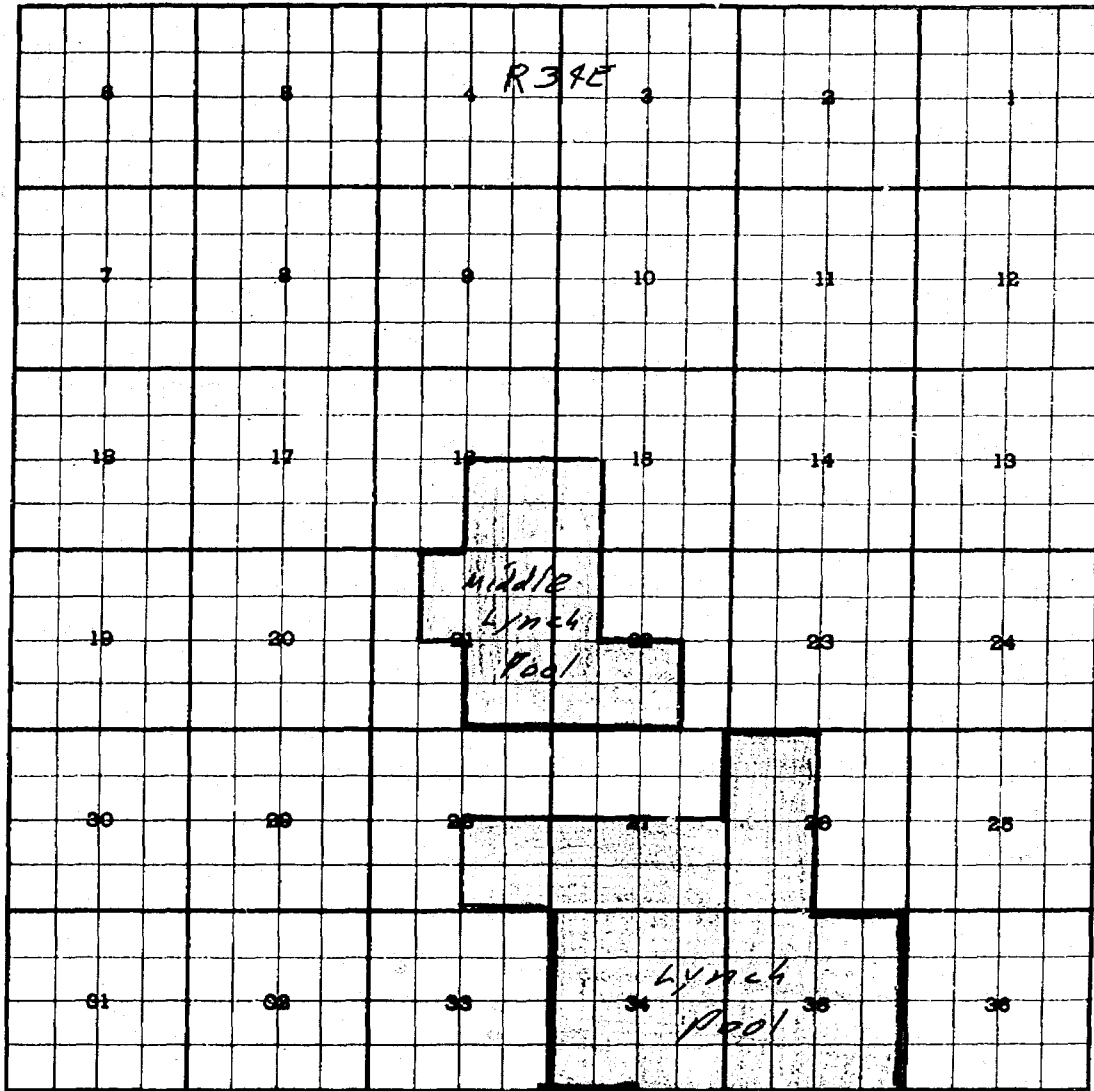
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R 33 E

7120 Plt #4

County Lee Pool Lynch & Middle Lynch Pools

TOWNSHIP South RANGE East NEW MEXICO PRINCIPAL MERIDIAN



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Present Existing Pool
boundries of the Lynch
and Middle Lynch Pools.

T
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5

R33E

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF
NEW MEXICO FOR THE PURPOSE
OF CONSIDERING:

CASE No. 2120
Order No. R-1824

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
November 16, 1960, at Santa Fe, New Mexico, before the Oil Conser-
vation Commission of New Mexico, hereinafter referred to as the
"Commission."

NOW, on this 21st day of November, 1960, 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 pool in
Chaves County, New Mexico, for the production of oil from the San
Andres formation, said pool to bear the designation West Bitter
Lake-San Andres pool. Said West Bitter Lake-San Andres Pool was
discovered by Allen and Wagner, Cannon Well No. 1, located in the
SE/4 of Section 17, Township 10 South, Range 25 East, NMPM. It
was completed July 4, 1960. The top of perforations is at 766
feet.
- (3) That there is need for the creation of a new pool in
Eddy County, New Mexico, for the production of gas from the
Pennsylvanian formation, said pool to bear the designation Black
River-Pennsylvanian Gas Pool. Said Black River-Pennsylvanian
Gas Pool was discovered by J. I. O'Neill, Jr., Federal "D" Well
No. 2, located in the SE/4 of Section 12, Township 24 South,

-2-

CASE No. 2120
Order No. R-1824

Range 26 East, NMPM. It was completed September 1, 1958. The top of perforations is at 11,566 feet.

(4) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Ellenburger formation, said pool to bear the designation Custer-Ellebenburger Gas Pool. Said Custer-Ellebenburger Gas Pool was discovered by Shell Oil Company, State "B" Well No. 36-1, located in the NW/4 of Section 36, Township 24 South, Range 36 East, NMPM. It was completed July 5, 1960. The top of perforations is at 12,730 feet.

(5) That there is need for the creation of a new pool in Roosevelt County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation South Prairie-Pennsylvanian Pool. Said South Prairie-Pennsylvanian Pool was discovered by Cosden Petroleum Corporation, Federal "C" Well No. 1, located in the NE/4 of Section 20, Township 8 South, Range 36 East, NMPM. It was completed September 19, 1960. The top of perforations is at 9653 feet.

(6) That there is need for certain extensions to the South Bitter Lake-San Andres Pool and the Caprock-Queen Pool, both in Chaves County, New Mexico, to the Cedar Lake-Abo Pool, the Eagle Creek-San Andres Pool, and the North Square Lake-Grayburg Pool, all in Eddy County, New Mexico, to the Caudill-Wolfcamp Pool, the East E. K-Queen Pool, the Southwest Gladiola-Devonian Pool, the Langlie Mattix Pool, the Lynch-Yates Pool, the Mescalero-Devonian Pool, the Pearl-Queen Pool, and the Tubbs Gas Pool, all in Lea County, New Mexico, and to the Allison-Pennsylvanian Pool in Roosevelt County, New Mexico. Further, that there is need for the deletion of a certain portion of the Middle-Lynch-Yates Pool 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, be and the same is hereby created and designated as the West Bitter Lake-San Andres Pool, consisting of the following described area:

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
Section 17: SE/4

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

TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
Section 12: SE/4

-3-

CASE No. 2120
Order No. R-1824

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

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
Section 36: NW/4

(d) That a new pool in Roosevelt County, New Mexico, classified as an oil pool for Pennsylvanian production, be and the same is hereby created and designated as the South Prairie-Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM
Section 20: NE/4

(e) That the Middle Lynch-Yates Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby contracted by the deletion of the following described area:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
Section 22: W/2 SE/4, E/2 SW/4, SW/4 SW/4

(f) That the Allison-Pennsylvanian Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM
Section 36: SE/4

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

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
Section 22: S/2 SW/4 and SW/4 SE/4
Section 27: SE/4

(h) That the Caprock-Queen Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 12 SOUTH, RANGE 31 EAST, NMPM
Section 35: SE/4 SE/4

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

TOWNSHIP 15 SOUTH, RANGE 36 EAST, NMPM
Section 21: W/2

-4-

CASE NO. 2120
Order No. R-1824

(j) That the Cedar Lake-Abo Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM
Section 20: S/2 SE/4
Section 29: N/2 N/2

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

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
Section 14: SW/4

(l) That the East E.K-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 22: NW/4 SE/4 and NE/4 SW/4

(m) That the Southwest Gladiola-Devonian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 12 SOUTH, RANGE 37 EAST, NMPM
Section 35: N/2 NW/4

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

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 29: N/2 NW/4 and SW/4 NW/4
Section 30: E/2 E/2

(o) That the Lynch-Yates Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
Section 22: S/2 S/2
Section 26: SE/4 and W/2 NE/4
Section 27: N/2
Section 28: E/2 SW/4

(p) That the Mescalero-Devonian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and

-5-

CASE No. 2120
Order No. R-1824

the same is hereby extended to include therein:

TOWNSHIP 10 SOUTH, RANGE 32 EAST, NMPM
Section 27: NW/4

(g) That the Pearl-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
Section 3: W/2 W/2
Section 4: E/2 NE/4 and SE/4

(r) That the North Square Lake-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
Section 9: SE/4 NE/4

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

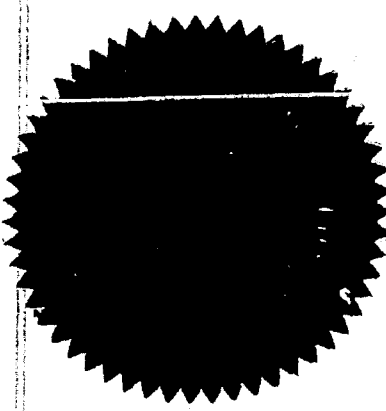
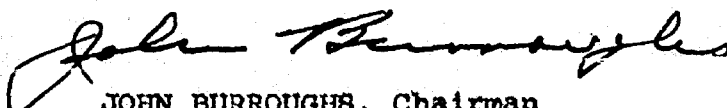
TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM
Section 18: SE/4

IT IS FURTHER ORDERED:

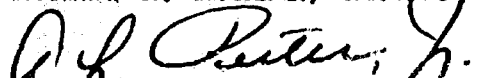
That the effective date of this order and of all the creations, extensions, and deletions included herein shall be December 1, 1960.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



JOHN BURROUGHS, Chairman


MURRAY E. MORGAN, Member


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

esr/

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
November 16, 1960

IN THE MATTER OF:

SOUTHEASTERN NEW MEXICO NOMENCLATURE case
calling for an order creating new pools and
extending existing pools in Chaves, Eddy,
Lea and Roosevelt Counties, New Mexico:

- (a) Create a new oil pool for San Andres
production, designated as the West
Bitter Lake-San Andres Pool, and des-
cribed as:

Township 10 South, Range 25 East, NMPM
Section 17: SE/4

- (b) Create a new gas pool for Pennsylvanian
production, designated as the Black
River-Pennsylvanian Gas Pool, and des-
cribed as:

Township 24 South, Range 26 East, NMPM
Section 12: SE/4

- (c) Create a new gas pool for Ellenburger
production, designated as the Custer-Ellen-
burger Gas Pool, and described as:

Township 24 South, Range 36 East, NMPM
Section 36: NW/4

- (d) Create a new oil pool for Pennsylvanian
production, designated as the South Prairie-
Pennsylvanian Pool, and described as:

Township 8 South, Range 36 East, NMPM
Section 20: NE/4

- (e) Delete certain portions of the Middle Lynch-
Yates Pool, described as:

Township 20 South, Range 34 East, NMPM
Section 15: W/2 SW/4
Section 16: SE/4
Section 21: E/2 NW/4, S/2 NE/4, and SE/4
Section 22: W/2 NW/4, W/2 SE/4, and SW/4

CASE
NO. 2120

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

- (f) Extend the Allison-Pennsylvanian Pool,
to include:

Township 8 South, Range 36 East, NMPM
Section 36: SE/4

- (g) Extend the South Bitter Lake-San Andres
Pool, to include:

Township 10 South, Range 25 East, NMPM
Section 22: S/2 SW/4 and SW/4 SE/4

- (h) Extend the Canrock-Queen Pool, to include:

Township 12 South, Range 31 East, NMPM
Section 35: SE/4 SE/4

- (i) Extend the Caudill-Wolfcamp Pool, to include:

Township 15 South, Range 36 East, NMPM
Section 21: NW/4

- (j) Extend the Cedar Lake-Abo Pool, to include:

Township 17 South, Range 31 East, NMPM
Section 20: S/2 SE/4
Section 29: N/2 NE/4

CASE

NO. 2120

(Cont'd.)

- (k) Extend the Eagle Creek-San Andres Pool, to
include:

Township 17 South, Range 25 East, NMPM
Section 14: SW/4

- (l) Extend the East E.K-Queen Pool, to include:

Township 18 South, Range 34 East, NMPM
Section 22: NW/4 SE/4

- (m) Extend the Southwest Gladiola-Devonian Pool,
to include:

Township 12 South, Range 37 East, NMPM
Section 35: N/2 NW/4

- (n) Extend the Langlie Mattix Pool to include:

Township 22 South, Range 37 East, NMPM
Section 29: N/2 NW/4 and SW/4 NW/4



(o) Extend the Lynch-Yates Pool to include:

Township 20 South, Range 34 East, NMPM

Section 22: S/2 S/2

Section 26: SE/4 and W/2 NE/4

Section 27: N/2

Section 28: E/2 SW/4

(p) Extend the Mescalero-Devonian Pool to include:

Township 10 South, Range 32 East, NMPM

Section 27: NW/4

(q) Extend the Pearl-Queen Pool to include:

Township 20 South, Range 35 East, NMPM

Section 3: W/2 W/2

Section 4: E/2 NE/4 and SE/4

(r) Extend the North Square Lake-Grayburg Pool to include:

Township 16 South, Range 31 East, NMPM

Section 9: SE/4 NE/4

(s) Extend the Tubb Gas Pool to include:

Township 22 South, Range 38 East, NMPM

Section 18: SE/4

CASE

NO. 2120

(Cont'd.)

BEFORE:

Hon. John W. Burroughs

Mr. A. L. Porter, Examiner

Mr. Murray Morgan, Commissioner

TRANSCRIPT OF PROCEEDINGS

MR. NUTTER: We are going to take next the Southeastern Nomenclature Case, Number 2120.

MR. MORRIS: Case Number 2120. Southeastern New Mexico Nomenclature case calling for an order creating new pools and



extending existing pools in Chaves, Eddy, Lea and Roosevelt Counties, New Mexico.

(Witness sworn.)

ERIC ENGBRECHT, a witness, called by the New Mexico Oil Conservation Commission, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. PAYNE:

Q Will the witness state his name and position?

A Eric Engbrecht, Engineer District Number 1, Hobbs, New Mexico.

Q Mr. Engbrecht, in connection with your position, have you made a study concerning the creating of new pools and extending existing pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico?

A I have.

Q What are your recommendations concerning the creation of a new pool for San Andres production?

A I recommend -- It is recommended that a new oil pool be created and designated as the West Bitter Lake-San Andres Pool; vertical limits to be the San Andres formation, and the horizontal formation should be as follows: SE/4 of Section 17, Township 10 South, Range 25 East. Discovery well was Allen & Wagner - Cannon Well Number 1, located in Unit P of Section 17-T10S-R25E, and was com-

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



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PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

pleted on July 4th, 1960; top of perforation is 766 feet.

Q What are the recommendations on the creation of new gas pool for Pennsylvanian production?

A It is recommended that a new gas pool be created and designated as Black River-Pennsylvanian Gas Pool; vertical limits to be the vertical Pennsylvanian formation, and horizontal limits should be as follows: SE/4 of Section 12, T24S, R26E. Discovery Well was J. I. O'Neill, Junior, Federal D Number 2, located in Unit P, Section 12, T24S, R26E, and was completed on September 1st, 1958; top of perforation is at 11,566 feet.

Q What are your recommendations concerning the creation of a new gas pool for the Ellenburger production?

A It is recommended that a new gas pool be created, and be designated as the Custer-Ellenburger Gas Pool; vertical limits to be the Ellenburger formation; horizontal limits should be as follows: NW/4 of Section 36, T24S-R36E. Discovery well was Shell Oil Company State B Number 36-1, located in Unit C of Section 36, T24S-R36E, and was completed on July 5th, 1960; top of perforations is 12,730 feet.

Q What are your recommendations concerning the creation of a new oil pool for Pennsylvanian Production?

A It is recommended that a new oil pool be created, to be designated as the South Prairie-Pennsylvanian Oil Pool, vertical limits to be the Bough "C" Pennsylvanian formation, and the horizontal limits should be as follows: NE/4 of Section 20, T8S, R36E.



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PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Discovery Well was Cosden Petroleum Corporation's Federal C Number 1, located in Unit G of Section 20, T8S, R36E, and was completed on September 19, 1960. Top of perforation is at 9,653 feet.

Q Do you have any recommendations concerning deletion of certain portions of the Middle Lynch-Yates Oil Pool?

A It is recommended that the Middle Lynch-Yates Pool boundary be corrected and deletions as shown in Paragraph "e" of Exhibit 1, on the basis of non-productive acreage in certain wells not geologically capable of producing from this pool.

Q What are your recommendations concerning extension of the Allison-Pennsylvanian Pool?

A It is recommended that the Allison-Pennsylvanian Pool boundary be extended as shown in Paragraph "f" of Exhibit 1, on the basis of one well completed therein.

Q What are your recommendations concerning extension of South Bitter Lake-San Andres Pool?

A It is recommended that the South Bitter Lake-San Andres Pool boundary be as shown in Paragraph "g" of Exhibit 1, on the basis of two wells completed therein.

Q What are your recommendations concerning the extension of the Caprock-Queen Pool?

A It is recommended that the Caprock-Queen Pool be extended as shown in Paragraph "h", Exhibit 1, on the basis of one well completed therein.

Q What are your recommendations concerning the extension



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

of the Caudill-Wolfcamp Pool?

A It is recommended that the Caudill-Wolfcamp Pool be extended as shown in Paragraph "i" of Exhibit 1, on the basis of two wells completed therein.

Q What are your recommendations concerning extension of the Cedar Lake-Abo Pool?

A It is recommended that the Cedar Lake-Abo Pool be extended as shown in Paragraph "j" of Exhibit 1, on the basis of two wells shown completed therein.

Q What are your recommendations for the extension of the Eagle Creek-San Andres Pool?

A It is recommended that the Eagle Creek-San Andres Pool be extended as shown in Paragraph "k" of Exhibit 1, on the basis of one well completed therein.

Q What are your recommendations concerning the extension of the East E.K.-Queen Pool?

A It is recommended that the Eagle Creek-San Andres Pool be extended as shown in Paragraph "l" of Exhibit 1, on the basis of two wells completed therein.

Q What are your recommendations concerning extension of the Southwest Gladiola-Devonian Pool?

A It is recommended that the Southwest Gladiola-Devonian Pool be extended as shown in Paragraph "m" of Exhibit 1, on the basis of one well completed therein.

Q What are your recommendations concerning extension of



the Langlie Mattix Pool?

A It is recommended that the Langlie Mattix Pool boundary be extended as shown in Paragraph "n" of Exhibit 1, on the basis of four wells completed therein.

Q Do you have any recommendations to make in regard to extending the Lynch-Yates Pool?

A It is recommended that the Lynch-Yates Pool boundary be extended as shown in Paragraph "o" of Exhibit 1, on the basis of five wells completed therein.

MR. PAYNE: Do you have anything on this to present?

MR. BLACKMAN: I don't have any evidence; I just want to make a statement.

MR. PORTER: Suppose we go ahead and finish with all of the exhibits, because the recommendations of Mr. Engbrecht do not correspond to the exhibits in Paragraph "e", so we will straighten all that out next time.

Q (By Mr. Payne) What are your recommendations concerning extension of Mescalero-Devonian Pool?

A It is recommended that the Mescalero-Devonian boundary be extended as shown in Paragraph "p" of Exhibit 1, on the basis of one well completed therein.

Q What are your recommendations concerning extension of the Pearl-Queen Pool?

A It is recommended that the Pearl-Queen boundary be extended as shown in Paragraph "q" of Exhibit 1, on the basis of



two wells completed therein.

Q What are your recommendations concerning extension of the North Square Lake-Grayburg Pool?

A It is recommended that the North Square Lake-Grayburg Pool boundary be extended as shown in Paragraph "r" of Exhibit 1, on the basis of one well completed therein.

Q What are your recommendations concerning the extension of the Tubb Gas Pool?

A It is recommended that the Tubb Gas Pool boundary be extended as shown in Paragraph "s" of Exhibit 1, on the basis of one well completed therein.

Q Now, you prepared an exhibit substantiating these recommendations?

A Yes, I have.

Q It is designated as Exhibit Number 1?

A Designated Exhibit Number 1, Letters "a" through "s".

MR. PAYNE: At this time, we will move for the introduction of Exhibit 1, in Case #2120.

MR. PORTER: Before I act on that motion, Mr. Payne, suppose we clarify Paragraph "e", which refers to deletion of certain wells, that being the Middle Lynch-Yates. Now, in response to your question, I believe Mr. Engbrecht said that he recommended that the deletion be made in accordance with Paragraph "e"?

MR. PAYNE: Yes.

MR. PORTER: And the Exhibits show only a deletion be

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made in Section 22, whereas, the Docket shows deletions to be made in Sections 15, 16, and 21 also. So I believe it might be well, Mr. Engbrecht, for you to take your exhibit and give us the description of the area which it is recommended to be deleted from this.

A The area that is recommended to be deleted in "e", of the Middle Lynch-Yates Pool, is as follows: Section 22, the W/2 of the SE/4, the E/2 of the SW/4, the SW/4 of the SW/4, as advertised, or was in the Order of Nomenclature; it is much smaller than it was originally set out.

Q (By Mr. Payne) That is the only deletion you recommend?

A Yes, it is the only deletion.

MR. PORTER: I don't believe that area was advertised; I think it was just listed on the docket.

A It was advertised on the Pool basis, sir.

MR. PORTER: Mr. Blackman, did you have some question concerning this Paragraph "e"?

MR. BLACKMAN: No, sir, I did not; not in respect to Paragraph "e".

MR. PORTER: Is there any objection to the admission of the exhibit?

(No response.)

MR. PORTER: The Exhibit 1 will be admitted to the record.

Mr. Blackman, did you have something?



MR. BLACKMAN: My Name is R. H. Blackman. I am counsel for Potash Company of America. Potash Company of America owns potash leases on land which is involved in Paragraph "o", which appears on Page 3 of Docket 33-60, in Case Number 2120. Paragraph "o" is, concerns the extension of the Lynch-Yates Pool to include certain land as set forth in the Docket. Potash Company of America objects to the extension of the pool insofar as it extends into land west of the center of Sections 22 and 27, T22S -- Correction T20S, R34E, for the following reasons:

The highest reserves in Lea County, New Mexico, within the boundaries of the Potash-Oil area, as defined in Order R-111-A, and the exception in Paragraph "o", is addressed to an exception to the order set forth -- to the drilling regulations set forth in R-111-A. These potash reserves constitute, so far as is presently known, the remaining undeveloped potash reserves in New Mexico; that is, these lands and certain other lands in Lea County, constitute those undeveloped reserves. The other known reserves for development of potash in North America are in Canada and the State of Utah. These reserves in Canada and Utah are known to be of considerably lesser quality than the undeveloped reserves in the State of New Mexico.

The New Mexico undeveloped reserves are marginal in character. Each time a well is drilled into the potash zone, into the potash deposit, a substantial amount of potash is lost, and a further substantial amount is considerably further reduced in value. The



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possibility of development of these reserves is rendered less likely by further exploration activity by way of drilling wells into this potash area.

We believe that all possible measures should be taken to prevent the drilling and reducing the value of the potash, and deny the extension, because it includes exceptions to the drilling requirements of regulation R-111-A.

MR. PORTER: You mean you think the pool rules include exceptions to R-111-A?

MR. BLACKMAN: They do include a different casing program, as I understand it.

MR. PORTER: In the Lea Pool, I don't believe that is true in the Lea Pool. I think in the middle Lea we have a special pool, that could be checked out.

MR. BLACKMAN: If that does not happen to be true, I would still like my objection to stand as part of the record, Mr. Porter.

MR. PORTER: I would like for you to repeat specifically, which of the extensions you would object to. Now, the pool, it is recommended that the pool be extended in three directions here, East, West, and North.

MR. BLACKMAN: My objection is addressed to extending the pool to include the NW/4 of Section 27 --

MR. PORTER: NW/4 of Section 27?

MR. BLACKMAN: Right. -- the S/2 of the SW/4 of Section



22, the NW/4 of 27, and the S/2 of the SW/4 of 22, and the E/2 of the SW/4 of 28.

MR. PORTER: Well, Mr. Blackman, we understand that these recommendations are being made to include wells which have already been drilled?

MR. BLACKMAN: Yes, I understand that.

MR. PORTER: Does anybody have a question of Mr. Engbrecht?

(No response.)

MR. PORTER: If not, the witness may be excused.

(Witness excused.)

MR. PORTER: If there is nothing further to be offered in this case, we will take the case under advisement.

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ALBUQUERQUE, NEW MEXICO



STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

I, a Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported in stenotype, and reduced to typewritten transcript, and that the same is a true and correct record to the best of my knowledge, skill, and ability.

WITNESS my hand and seal this 10th day of December, 1960, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Ida Searnsley
NOTARY PUBLIC.

My Commission Expires:
June 19, 1963.

DEARNLEY-MEIER REPORTING SERVICE, Inc.
ALBUQUERQUE, NEW MEXICO

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I N D E X

WITNESS

ERIC ENGBRECHT
Direct Examination by Mr. Payne

PAGE

4

NUMBER

Ex. #1

IDENTIFIED

9

OFFERED

9

ADMITTED

10

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF
NEW MEXICO FOR THE PURPOSE
OF CONSIDERING:

CASE NO. 2120
Order No. R- 1824

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CREATING, EXTENDING, AND
DELETING 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 o'clock a.m. on November 16, 1960, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this _____ day of November 1960, 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 pool in Chaves County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation West Bitter Lake-San Andres Pool. Said West Bitter Lake-San Andres Pool was discovered by Allen and Wagner, Cannon Well No. 1, located in the SE/4 of Section 17, Township 10 South, Range 25 East, NMPM. It was completed July 4, 1960. The top of perforations is at 766 feet.

(3) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Pennsylvanian formation, said pool to bear the designation Black River-Pennsylvanian Gas Pool. Said Black River-Pennsylvanian Gas Pool was discovered by J. I. O'Neill, Jr., Federal "D" Well No. 2, located in the SE/4 of Section 12, Township 24 South, Range 26 East, NMPM. It was completed September 1, 1960. The top of perforations is at 11,566 feet. 1958.

(4) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Ellenburger formation, said pool to bear the designation Custer-Ellenburger Gas Pool. Said Custer-Ellenburger Gas Pool was discovered by Shell Oil Company, State "B" Well No. 36-1, located in the NW/4 of Section 36, Township 24 South, Range 36 East, NMPM. It was completed July 5, 1960. The top of perforations is at 12,730 feet.

(5) That there is need for the creation of a new pool in Roosevelt County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation South Prairie-Pennsylvanian Pool. Said South Prairie-Pennsylvanian Pool was discovered by Cadden Petroleum Corporation, Federal "C" Well No. 1, located in the NE/4 of Section 20, Township 8 South, Range 36 East, NMPM. It was completed September 19, 1960. The top of perforations is at 9653 feet.

(6) That there is need for certain extensions to the South Bitter Lake-San Andres Pool and the Caprock-Queen Pool, both in Chaves County, New Mexico, to the Cedar Lake-Abo Pool, the Eagle Creek-San Andres Pool, and the North Square Lake-Grayburg Pool, all in Eddy County, New Mexico, to the Caudill-Wolfcamp Pool, the East E. K-Queen Pool, the Southwest Gladiola-Devonian Pool, the Langlie Mattix Pool, the Lynch-Yates Pool, the Mescalero-Devonian Pool, the Pearl-Queen Pool, and the Tubb Gas Pool, all in Lea County, New Mexico, and to the Allison-Pennsylvanian Pool in Roosevelt County, New Mexico. Further, that there is need for the deletion of a certain portion of the Middle Lynch-Yates Pool 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, be and the same is hereby created and designated as the West Bitter Lake-San Andres Pool, consisting of the following described area:

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
SECTION 17: SE/4

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

TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
SECTION 12: SE/4

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

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
SECTION 36: NW/4

(d) That a new pool in Roosevelt County, New Mexico, classified as an oil pool for Pennsylvanian production, be and the same is hereby created and designated as the South Prairie-Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: NE/4

(e) That the Middle Lynch-Yates Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby contracted by the deletion of the following described area:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
~~SECTION 15: W/2 SW/4~~
~~SECTION 16: SE/4~~
~~SECTION 21: E/2 NW/4, S/2 NE/4, and SE/4~~
~~SECTION 22: W/2 NW/4, W/2 SE/4, and SW/4~~
W/2 SE/4, E/2 SW/4, SW/4 SW/4

✓ (f) That the Allison-Pennsylvanian Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

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

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

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
SECTION 22: S/2 SW/4 and SW/4 SE/4
SECTION 27: SE/4

✓ (h) That the Caprock-Queen Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 12 SOUTH, RANGE 31 EAST, NMPM
SECTION 35: SE/4 SE/4

✓ (i) That the Caudill-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 36 EAST, NMPM
SECTION 21: W/2

✓ (j) That the Cedar Lake-Abo Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM
SECTION 20: S/2 SE/4
SECTION 29: N/2 N/2

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

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
SECTION 14: SW/4

✓ (l) That the East E. K-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 22: NW/4 SE/4 and NE/4 SW/4

✓ (m) That the Southwest Gladiola-Devonian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 12 SOUTH, RANGE 37 EAST, NMPM
SECTION 35: N/2 NW/4

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

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 29: N/2 NW/4 and SW/4 NW/4
SECTION 30: E/2 E/2

✓ (o) That the Lynch-Yates Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 22: S/2 S/2
SECTION 26: SE/4 and W/2 NE/4
SECTION 27: N/2
SECTION 28: E/2 SW/4

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

TOWNSHIP 10 SOUTH, RANGE 32 EAST, NMPM
SECTION 27: NW/4

✓ (q) That the Pearl-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
SECTION 3: W/2 W/2
SECTION 4: E/2 NE/4 and SE/4

✓ (r) That the North Square Lake-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
SECTION 9: SE/4 NE/4

✓ (s) That the Tubb Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM
SECTION 18: SE/4

IT IS FURTHER ORDERED:

That the effective date of this order and of all the creations, extensions, and deletions included therein shall be December 1, 1960.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JOHN BURROUGHS, Chairman

MURRAY E. MORGAN, Member

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

(3) That there is need for certain extensions to the Devils Fork - Gallup Oil Pool and the Otero-Chacra Pool in Rio Arriba County, New Mexico, to the Cha Cha - Gallup Oil Pool and the Verde - Gallup Oil Pool in San Juan County, New Mexico and to the South Blanco - Pictured Cliffs Pool in Rio Arriba and San Juan Counties, New Mexico.

IT IS THEREFORE ORDERED:

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF
NEW MEXICO FOR THE PURPOSE
OF CONSIDERING:

CASE No. 2121
Order No. R-1825

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on November 16, 1960 at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this _____ day of November, 1960, 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 pool in San Juan County, New Mexico, for the production of oil from the Gallup formation, said pool to bear the designation Kutz-Gallup Oil Pool. Said Kutz-Gallup Oil Pool was discovered by El Paso Natural Gas Products Company Frontier "B" Well No. 1 located in the SE 1/4 SE 1/4 of Section 9, Township 27 North, Range 11 West, NMPM. It was completed April 11, 1958. The top of the perforations is at 5818 feet.

(a) That a new pool in San Juan pool for Gallup Kett-
Count 4, New Mexico, classified as an Oil pool, consisting of the following described area:
production, be and the same is hereby created and designated as the
Gallup Oil

Township 27 North, Range 11 West, NMPM

Section 2: N/2 & SW/4

Section 4: S/2 & NW/4

Section 5: All

Section 9: N/2 & SE/4

Section 10: N/2

Section 11: NW/4

Township 28 North, Range 11 West, NMPM

Section 31: SE/4

Section 32: SW/4

(6) That the South Blanco-Pictured Cliffs Pool in Rio Arriba and San Juan Counties, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

Township 25 North, Range 4 West, NMPM
Section 13: N/2

Township 26 North, Range 5 West, NMPM
Section 10: SW/4

Township 28 North, Range 6 West, NMPM
Section 35: E/2

(c) That the Otero-Chacra Pool in Rio Arriba
County y, New Mexico, as heretofore classified, defined, and described, be and the
same is hereby extended to include therein:

Township 24 North, Range 5 West, NMPM
Section 4: NW1/4

Township 15 North, Range 5 West, NMPM
Section 33: SW1/4

(d) That the cha Cha - Gallup Oil Pool in Sau Juan
County 4, New Mexico, as heretofore classified, defined, and described, be and the
same is hereby extended to include therein:

Township 28 North, Range 13 West, NMPM

Section 7: E/2 (partial)

Section 8: W/2 (partial)

Township 29 North, Range 13 West, NMPM

Section 31: SW/4

Township 29 North, Range 14 West, NMPM

Section 20: NE/4

Section 21: All

Section 22: SW/4

Section 25: SW/4

Section 26: All

Section 27: All

Section 28: N/2

Section 36: N/2 & SE/4

(e) That the Devils Fork - Gallup Pool in Rio Arriba
Count 4, New Mexico, as heretofore classified, defined, and described, be and the
same is hereby extended to include therein:

Township 24 North, Range 7 West, NM PM
Section 11: E/2 NE/4

(f) That the Verde-Gallup Oil Pool in San Juan
County y, New Mexico, as heretofore classified, defined, and described, be and the
same is hereby extended to include therein:

Township 30 North, Range 15 West, NM PM
Section 5: S/2 SW/4

Township 31 North, Range 14 West, NM PM
Section 22: SW/4 NW/4