

CASE 8747: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, contracting, redesignating, and extending vertical and horizontal limits of certain pools in Chaves, Lea, and Roosevelt Counties, New Mexico:

(a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Bone Spring production and designated as the Apache Ridge-Bone Spring Pool. The discovery well is the Pennzoil Company Mescalero Federal Well No. 1 located in Unit P of Section 30, Township 19 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 30: SE/4

(b) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Strawn production and designated as the North Grama Ridge-Strawn Gas Pool. The discovery well is the Pogo Producing Company State L-922 Well No. 2 located in Unit J of Section 28, Township 21 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM
Section 28: S/2

(c) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Johnson Ranch-Wolfcamp Gas Pool. The discovery well is the Mesa Petroleum Co. Jackson Unit Well No. 1 located in Unit G of Section 22, Township 24 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 32 EAST, NMPM
Section 22: E/2

(d) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production and designated as the Kemnitz-Upper Wolfcamp Pool. The discovery well is the Yates Petroleum Corporation Hot Toddy ABQ State Well No. 1 located in Unit G of Section 18, Township 16 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
Section 18: NE/4

(e) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the South Pitchfork Ranch-Atoka Gas Pool. The discovery well is the Stone Petroleum Corporation Javalina Basin Unit Well No. 1 located in Unit G of Section 17, Township 25 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 25 SOUTH, RANGE 34 EAST, NMPM
Section 17: N/2

(f) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Seven Rivers production and designated as the South Pearl-Seven Rivers Gas Pool. The discovery well is the Western Equipment Company Lea K State Well No. 1 located in Unit L of Section 36, Township 19 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 36: SW/4

(g) CONTRACT the Pearl-Seven Rivers Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 36: SW/4

(h) EXTEND the vertical limits of the Austin-Wolfcamp Pool in Lea County, New Mexico, to include the Cisco, Canyon, and Strawn formations and redesignate said pool as the Austin-Permo Upper Pennsylvanian Pool. Further, extend the horizontal limits of said Austin-Permo Upper Pennsylvanian Pool to include therein:

TOWNSHIP 14 SOUTH, RANGE 35 EAST, NMPM
Section 24: NE/4

(i) EXTEND the lower vertical limits of the Bagley-Lower Pennsylvanian Gas Pool from 5700 feet subsea elevation to the top of the Atoka marker at 10,144 feet as found on the log of Petrus Operating Company State Well No. 1 located in Unit I of Section 34, Township 11 South, Range 33 East, NMPM.

(j) EXTEND the West Antelope Ridge-Bone Spring Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 21: NE/4
Section 22: W/2

(k) EXTEND the Cary-Montoya Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 33: W/2

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

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

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM
Section 7: SW/4

(m) EXTEND the South Corbin-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 17: NW/4

(n) EXTEND the EK-Bone Spring Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 26: S/2
Section 27: SE/4

(o) EXTEND the Mescalero Escarpe-Bone Spring Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 11: SE/4

(p) EXTEND the Paddock Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 25: SE/4

(q) EXTEND the South Peterson-Pennsylvanian Associated Pool in Roosevelt County, New Mexico:

TOWNSHIP 6 SOUTH, RANGE 34 EAST, NMPM
Section 8: NE/4

(r) EXTEND the Reeves-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 27: NW/4
Section 28: NE/4

(s) EXTEND the Wantz-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 2: Lots 1, 2, 7, 8, 9, 10,
15, and 16

(t) EXTEND the Weir-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 16: W/2 NE/4

NEW POOLS

It is recommended that a new OIL pool be created and designated as the APACHE-RIDGE BONE SPRING Pool.

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

Discovery well was Pennzoil Company Mescalero Federal #1 located in Unit P Section 30 Township 19 Range 34 and was completed on August 18, 1985. Top of perforations is at 9,376 feet.

It is recommended that a new GAS pool be created and designated as the NORTH GRAMA RIDGE STRAWN GAS Pool.

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

Discovery well was Pogo Producing Company State L-922 #2 located in Unit J Section 28 Township 21 Range 34 and was completed on August 16, 1985. Top of perforations is at 12,652 feet.

It is recommended that a new GAS pool be created and designated as the JOHNSON RANCH-WOLFCAMP 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 Mesa Petroleum Company Jackson Unit #1 located in Unit G Section 22 Township 24 Range 32 and was completed on April 30, 1985. Top of perforations is at 13,252 feet.

NEW POOLS

It is recommended that a new OIL pool be created and designated as the KEMNITZ-UPPER WOLFCAMP Pool.

Vertical limits to be the UPPER WOLFCAMP formation and the horizontal limits should be as follows: as shown in Paragraph (d) Exhibit I

Discovery well was Yates Petroleum Corp. Hot Toddy ABQ State #1 located in Unit G Section 18 Township 16 Range 34 and was completed on July 10, 1985. Top of perforations is at 10,371 feet.

It is recommended that a new GAS pool be created and designated as the SOUTH PITCHFORK RANCH-ATOKA GAS Pool.

Vertical limits to be the ATOKA formation and the horizontal limits should be as follows: as shown in Paragraph (e) Exhibit I

Discovery well was The Stone Petroleum Corp. Javalina Basin Unit #1 located in Unit G Section 17 Township 25 Range 34 and was completed on July 18, 1985. Top of perforations is at 14,594 feet.

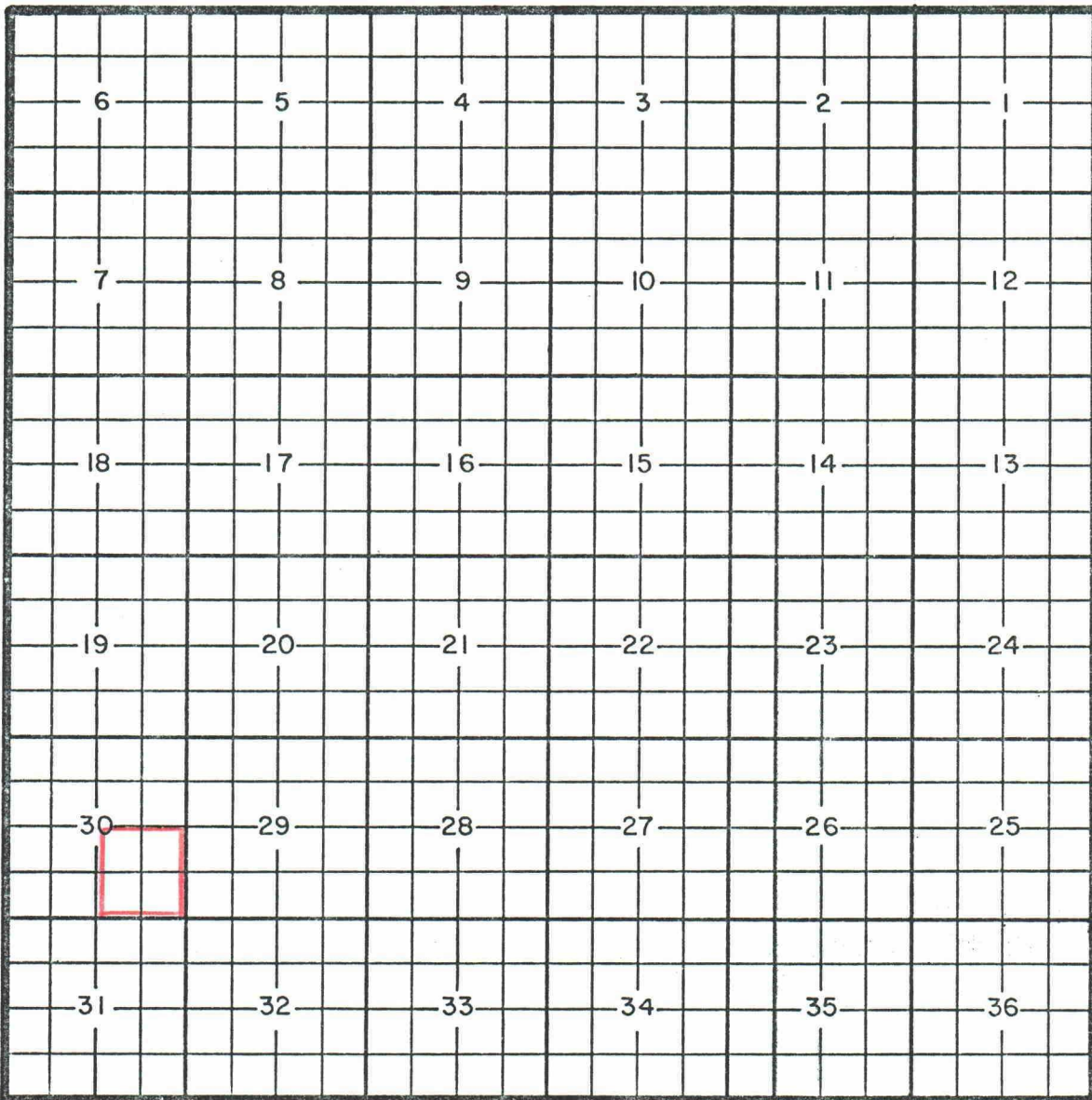
It is recommended that a new GAS pool be created and designated as the SOUTH PEARL SEVEN RIVERS GAS Pool.

Vertical limits to be the SEVEN RIVERS formation and the horizontal limits should be as follows: as shown in Paragraph (f) Exhibit I

Discovery well was Western Equipment Co. Lea K State #1 located in Unit L Section 36 Township 19 Range 34 and was completed on July 8, 1985. Top of perforations is at 3,927 feet.

COUNTY LEA POOL APACHE RIDGE-BONE SPRING

TOWNSHIP 19 South RANGE 34 East NMPM



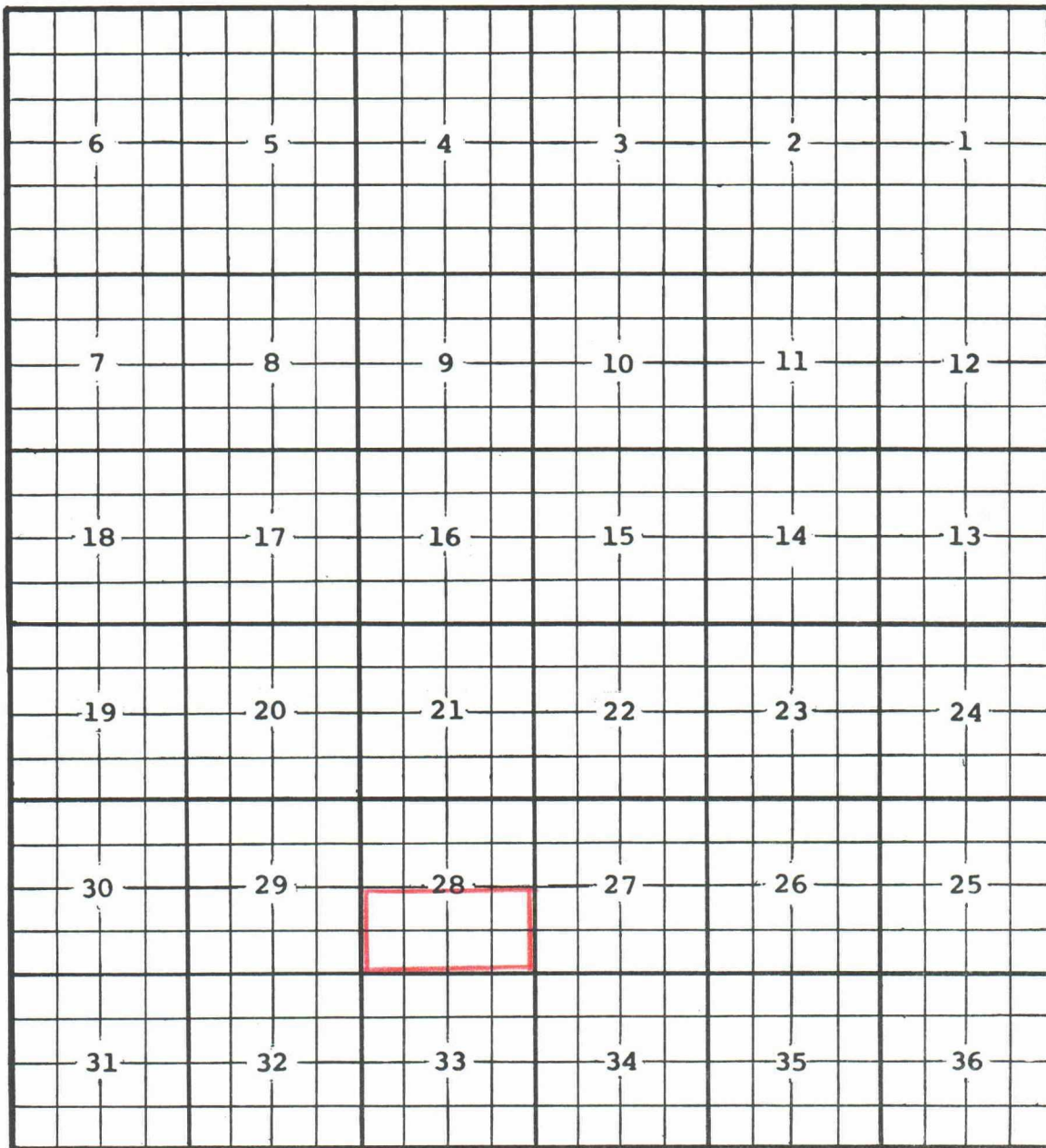
PURPOSE: One completed oil well capable of producing.

DISCOVERY WELL: Pennzoil Company Mescalero Federal #1-P in Sec 30, T19S, R34E, completed Aug. 18, 1985, in the Bone Spring formation. Top perf 9376 ft.

Proposed pool boundary outlined in red. SECTION 30: SE/4

COUNTY LEA POOL NORTH GRAMA RIDGE-STRAWN GAS

TOWNSHIP 21 South RANGE 34 East NMPM



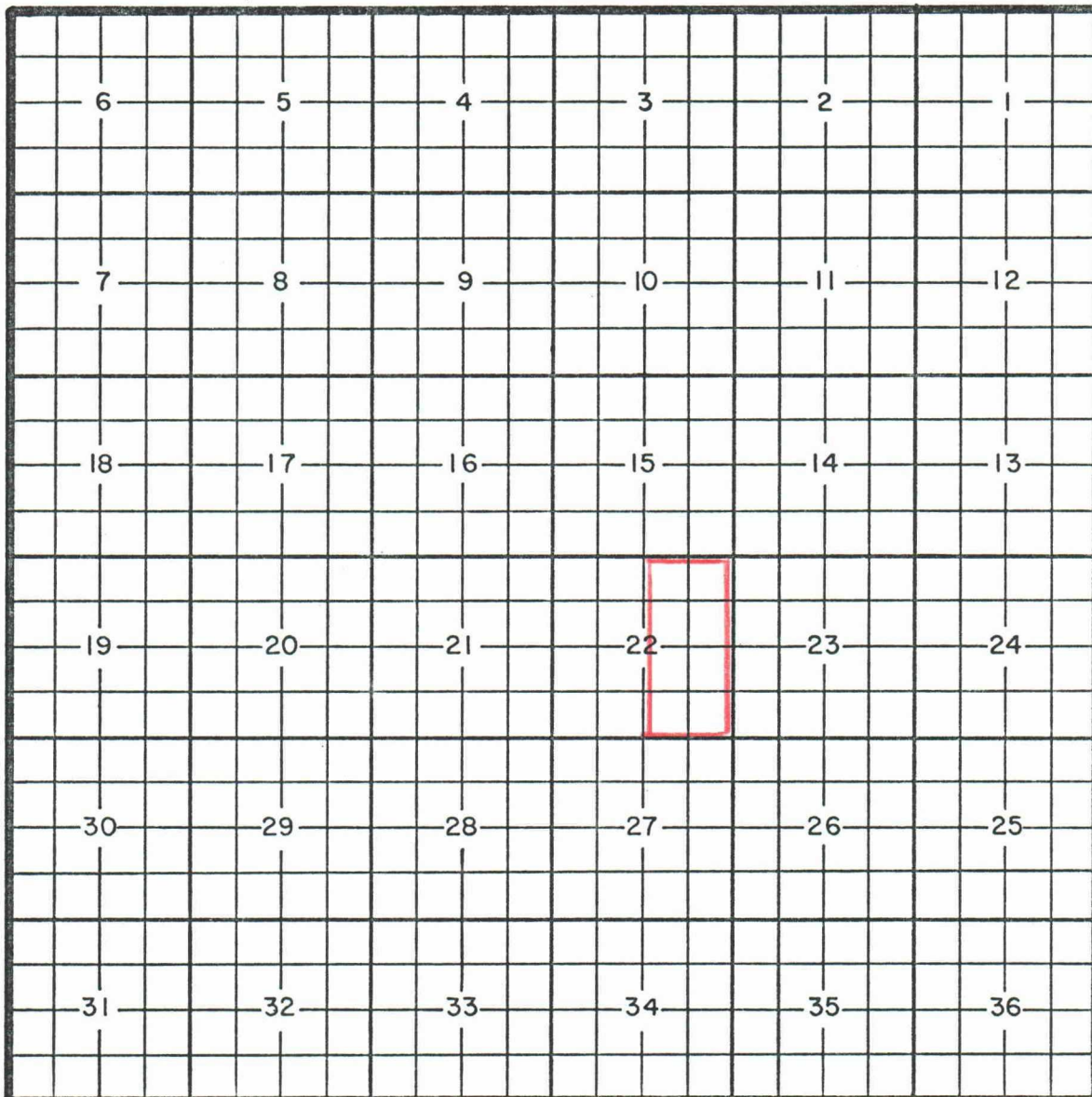
PURPOSE: One completed gas well capable of producing.

DISCOVERY WELL: Pogo Producing Co. State L-922 well #2-J in Sec 28, T21S, R34E, completed 8/16/85 in the Strawn formation. Top perf 12,652 ft.

Proposed pool boundary outlined in red. Section 28: S/2

COUNTY LEA POOL JOHNSON RANCH WOLFCAMP GAS

TOWNSHIP ²⁴~~22~~ South RANGE 32 East NMPM



PURPOSE: One completed gas well capable of producing.

DISCOVERY WELL: Mesa Petroleum Company Jackson Unit Well #1-G in Sec 22, T24 South, Range 32E, completed April 30, 1985, in the Wolfcamp formation.

Top perf 13,252 feet.

Proposed pool boundary outlined in red. Section 22: E/2

COUNTY

LEA

POOL

KEMNITZ-UPPER WOLFCAMP

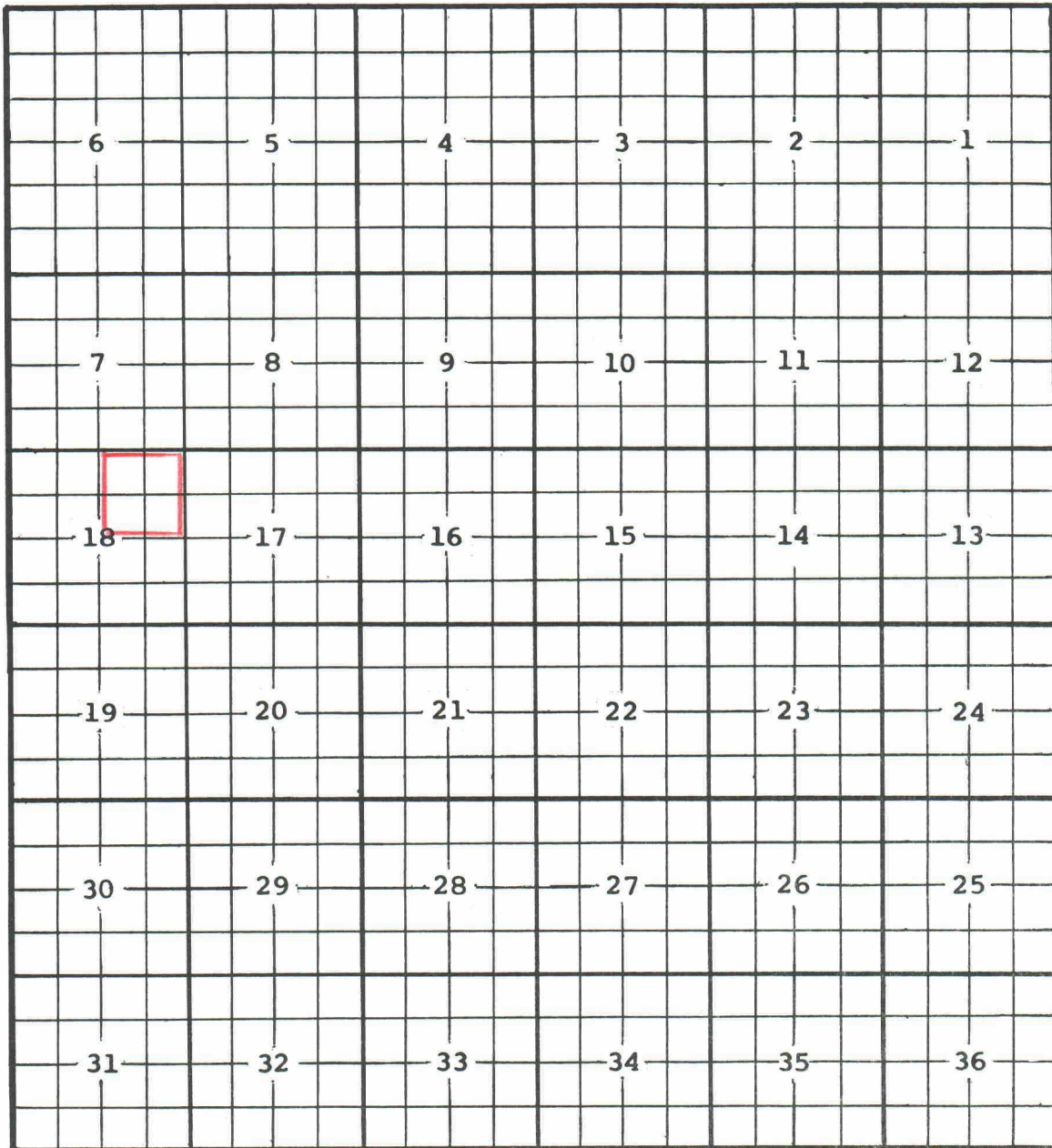
TOWNSHIP

16 South

RANGE

34 EAst

NMPM



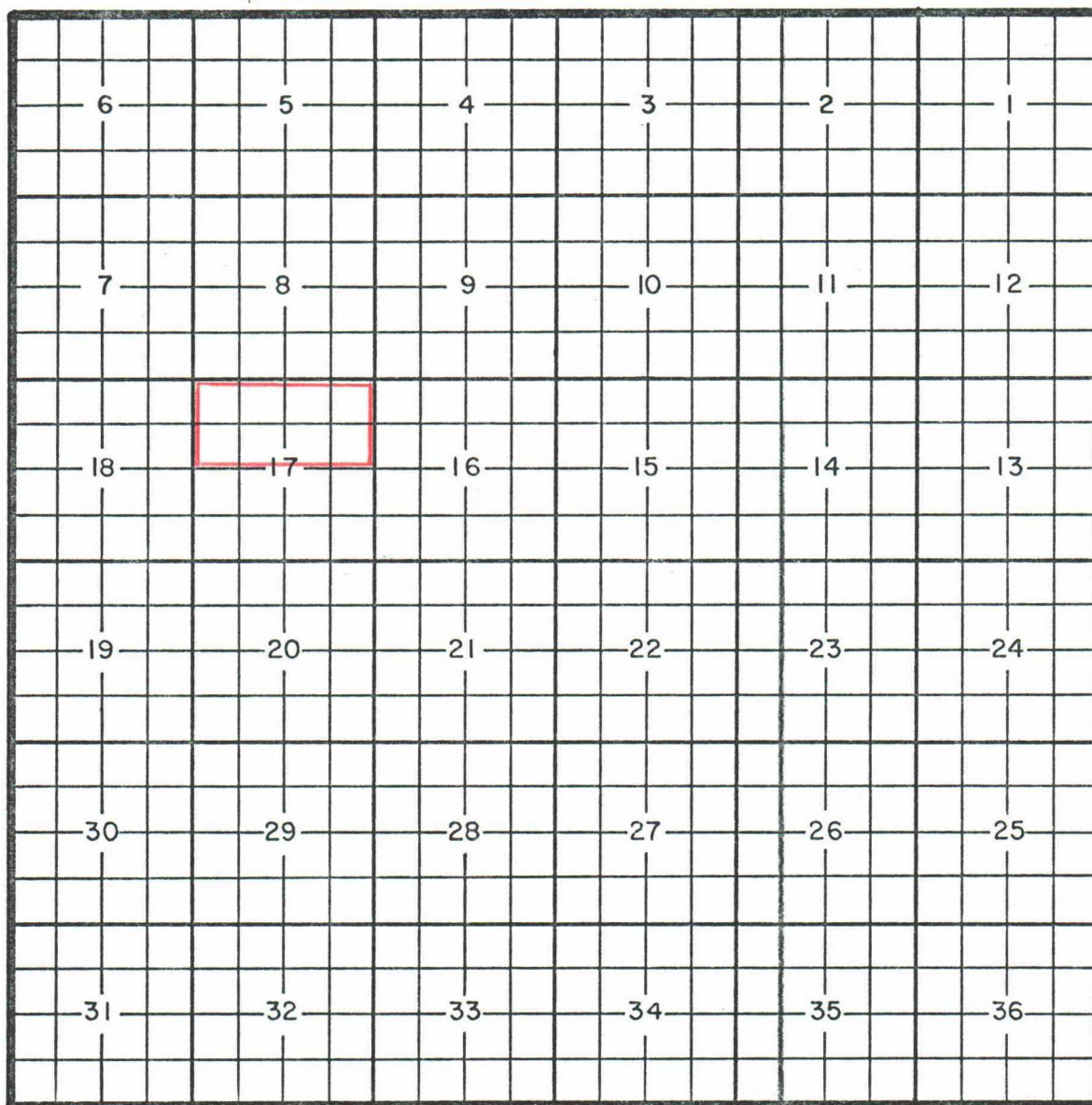
PURPOSE: One completed oil well capable of producing.

Discovery well: Yates Petroleum Corp. Hot Toddy ABQ State #1-G in Section 18, T16S, R34E, completed July 10, 1985, in the Upper Wolfcamp formation. Top perf 10,371 feet.

Proposed pool boundary outlined in red. Section 18: NE/4

COUNTY LEA POOL SOUTH PITCHFORK RANCH-ATOKA GAS

TOWNSHIP 25 south RANGE 34 East NMPM



PURPOSE: One completed gas well capable of producing.

DISCOVERY WELL: The Stone Petroleum Corp. Javalina Basin Unit #1-G in Sec 17, T25S, R34E, completed July 18, 1985, in the Atoka formation.

The top perforation is at 14,594 feet.

Proposed pool boundary outlined in red. SECTION 17: N/2

COUNTY LEA POOL SOUTH PEARL SEVEN RIVERS GAS

TOWNSHIP 19 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.

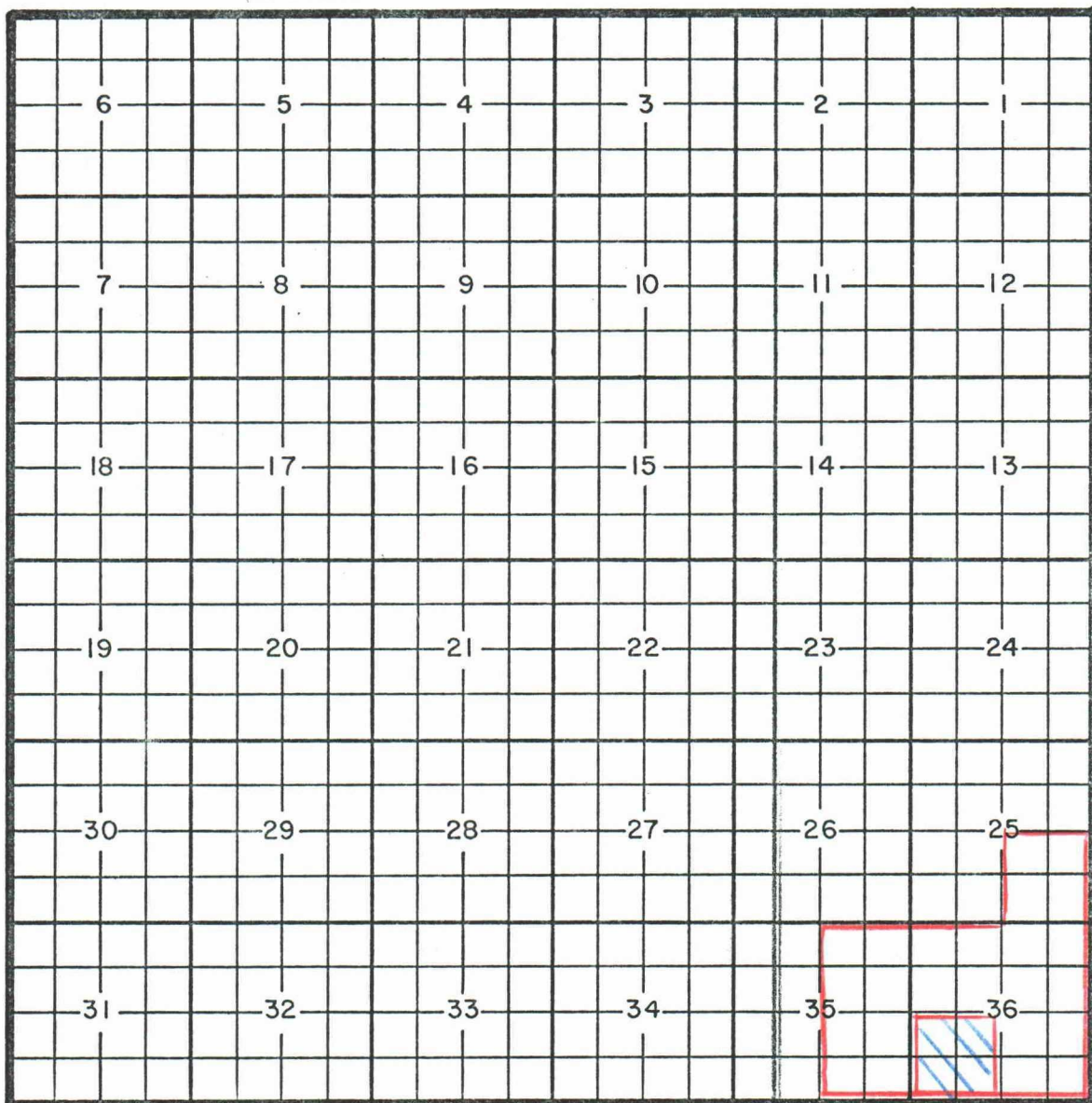
Discovery well: Western Equipment Co. Lea K State #1-L in Sec 36, T19S, R34E, completed July 8, 1985, in the Seven Rivers formation. Top perf 3927 ft.

Proposed pool boundary outlined in red. Section 36: SW/4

This area is being deleted from the Pearl Seven Rivers Oil Pool.

COUNTY LEA POOL PEARL-SEVEN RIVERS

TOWNSHIP 19 South RANGE 34 East NMPM



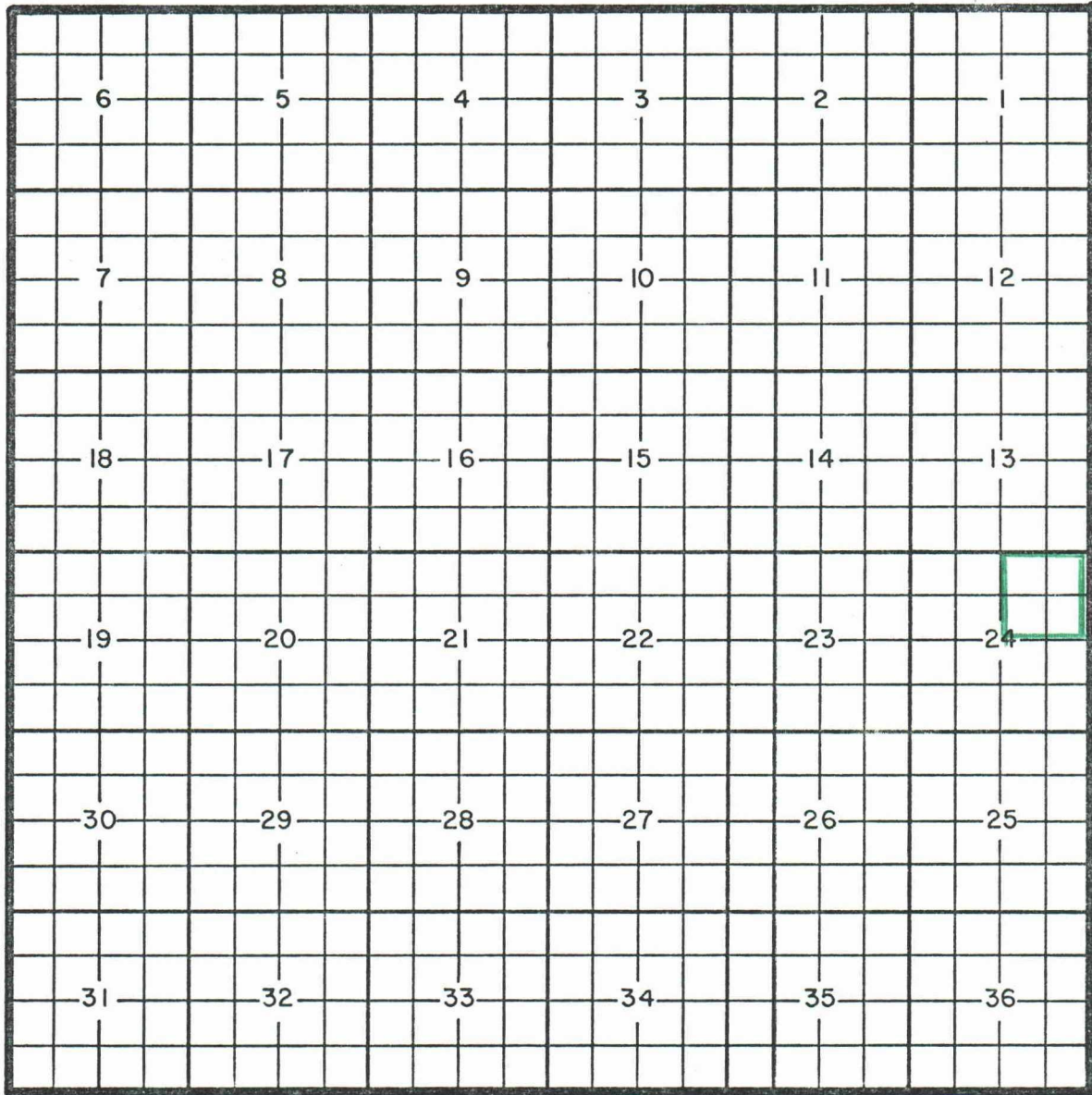
PURPOSE: Delete SW/4 of Section 36, dedicated to the Western Equipment Co. Lea K State #1-L in 36-19-34. A new gas pool, South Pearl SR Gas, is being created for this well.

Pool boundary outlined in red.

Proposed pool deletion outlined in blue: Section 36: SW/4

COUNTY LEA POOL AUSTIN-WOLFCAMP redesignated to: PENNSYLVANIAN

TOWNSHIP 14 South RANGE 35 East NMPM



PURPOSE: extend vertical limits of Austin Wolfcamp Pool to include Cisco, Canyon, and Strawn formation and redesignated pool to:

AUSTIN-PERMO UPPER PENNSYLVANIAN POOL.

Further, extend horizontal limits of Austin-Permo Upper Penn pool to include the Yates pet. Corp. Woodward ABD Well #1-G in Sec. 24, T14S, R35E, completed Aug 12, 1985, in the Permo Upper Penn formation with perforations at 10,321 feet to 11,274 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. SECTION 24: NE/4

COUNTY LEA POOL BAGLEY-LOWER PENNSYLVANIAN GAS
 TOWNSHIP 12 South 33 East NMPM
 11 South 33 East

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: Extend the lower vertical limits of the Bagley Lower Pennsylvanian

Gas Pool from 5700' subsea elevation to the top of the Atoka formation.

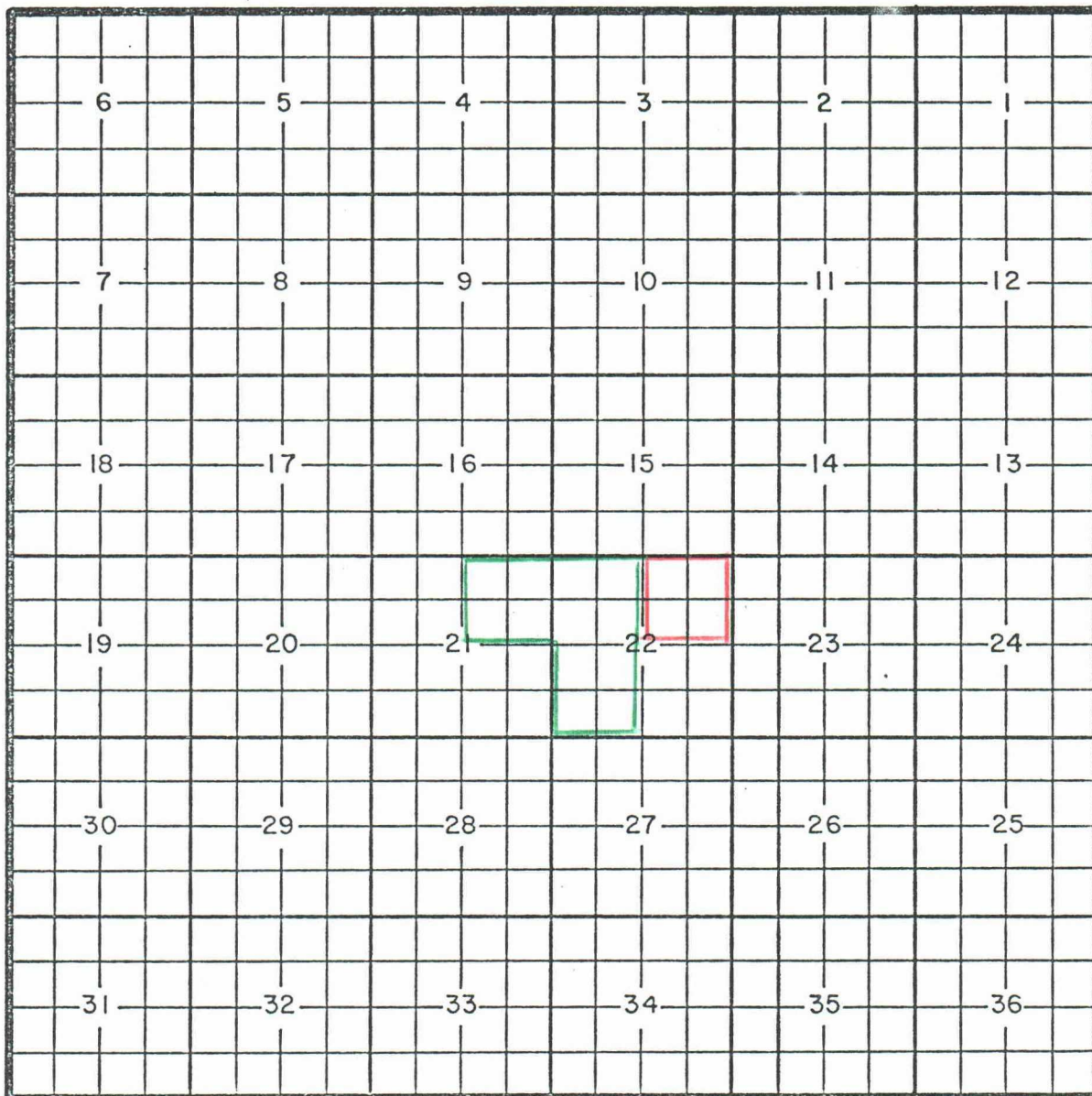
The top of the Atoka formation is the marker at 10,144' on the log of the Petrus Operating Company State Well #1-I in Sec 34, T11S, R33E.

Justification for this extension: There is a zone between the Bagley Lower Pennsylvanian and the Bagley Atoka that is not covered by nomenclature.

T11S, R33E
 Pool boundary: Section 34: SE/4 & E/2 SW/4
 T12S, R33E -- Sec.3: N/2

COUNTY LEA POOL WEST ANTELOPE RIDGE-BONE SPRING

TOWNSHIP 23 South RANGE 34 East NMPM



PURPOSE: One completed oil well capable of producing.

Curry Resources SEDCO 21 State #1-G in Sec 21, T23S, R34E, completed April 29, 1985, in the Bone spring formation. Top perf 8560 feet.

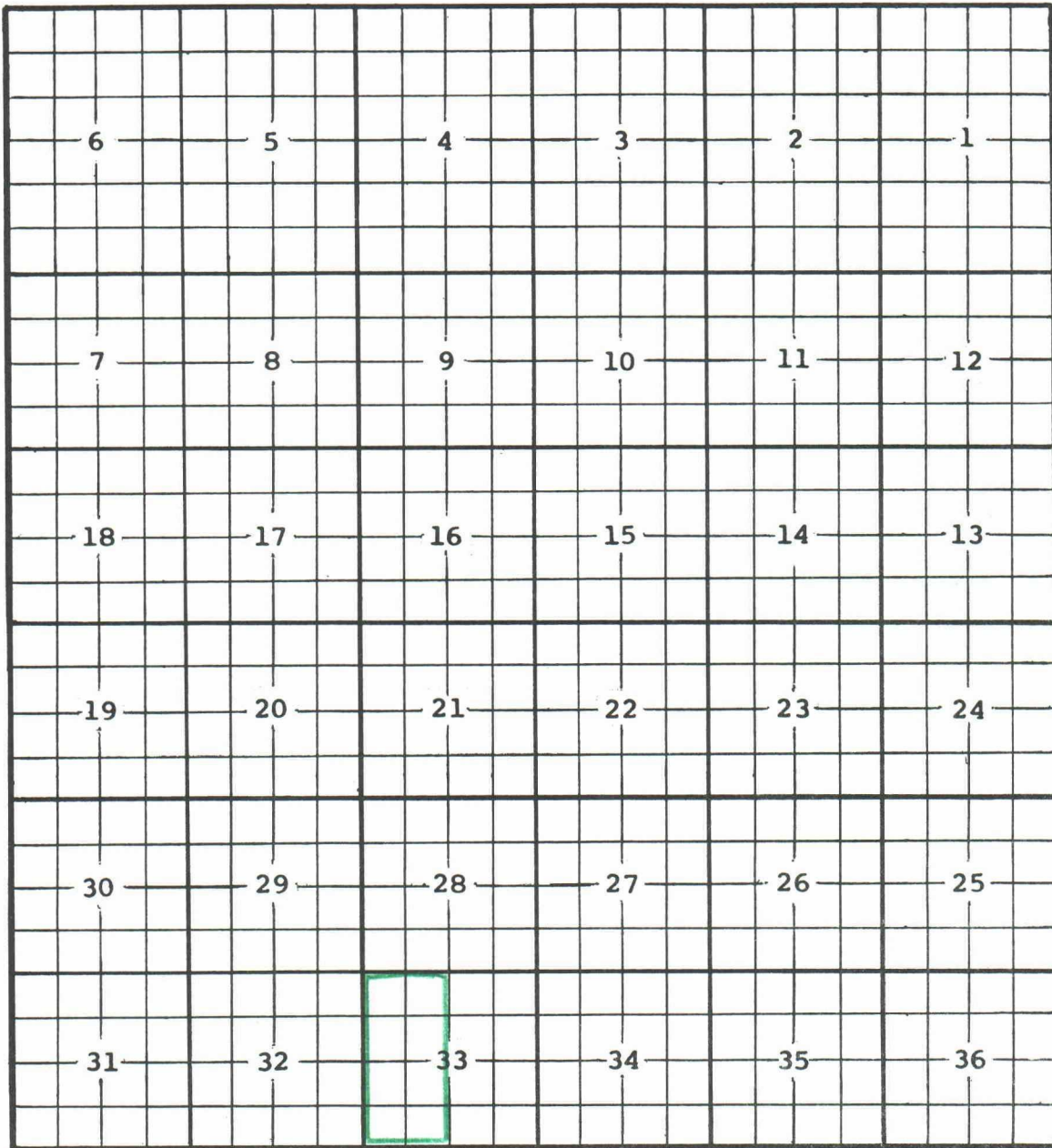
Pool boundary outlined in red.

Proposed Pool extension outlined in green. SECTION 21: NE/4

SECTION 22: W/2

COUNTY lea POOL GARY-MONTOYA

TOWNSHIP 21 South RANGE 37 East NMPM



PURPOSE: One completed oil well capable of producing.

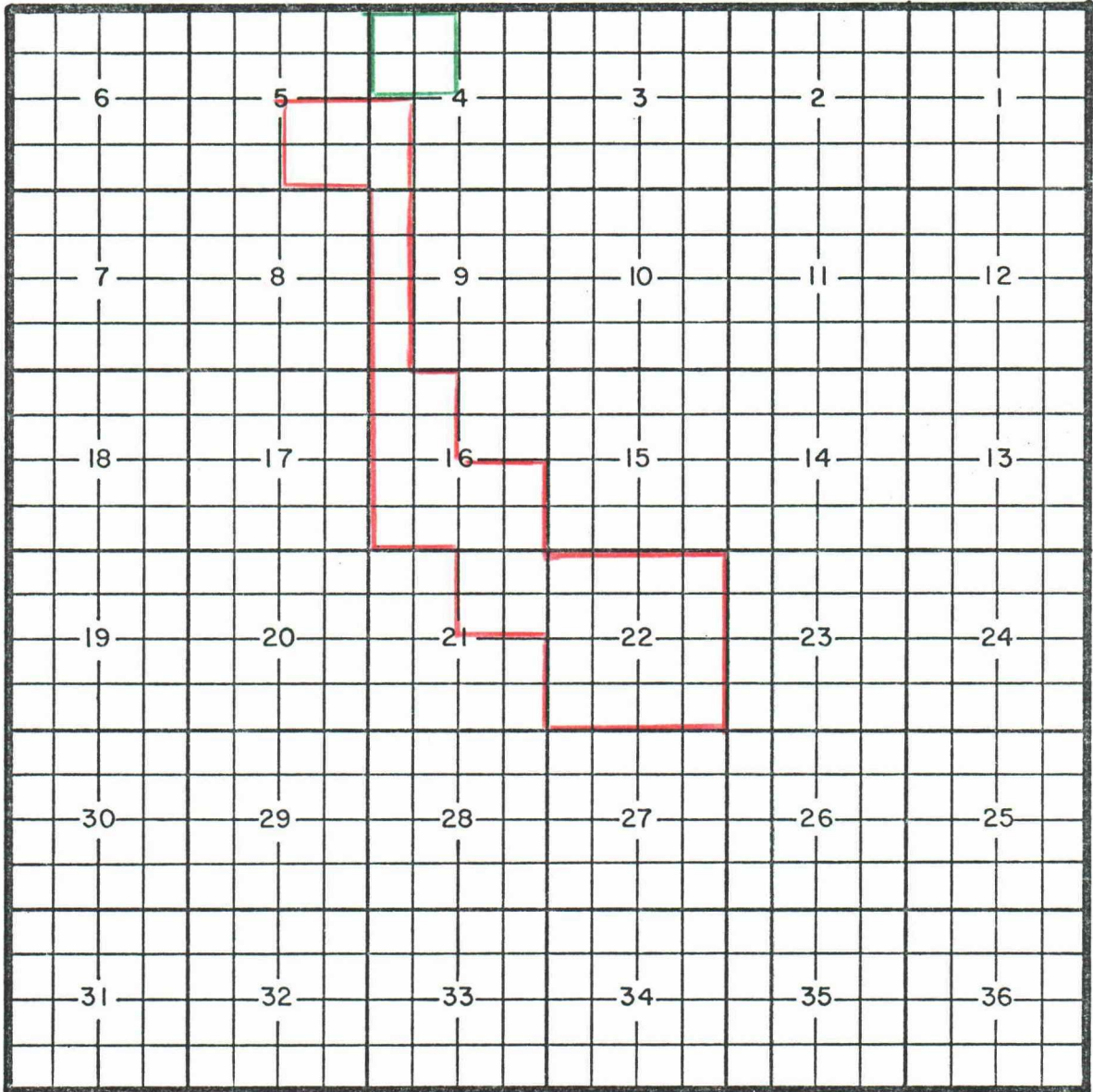
Mobil Producing TX & NM Inc. E.O. Carson Well #9-E in Sec 33, T21S, R37E, completed Sept. 19, 1985, in the Montoya formation. Top perf 7,228 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. SECTION 33: W/2

COUNTY LEA POOL CARY-MONTOYA

TOWNSHIP 22 South RANGE 37 East NMPM



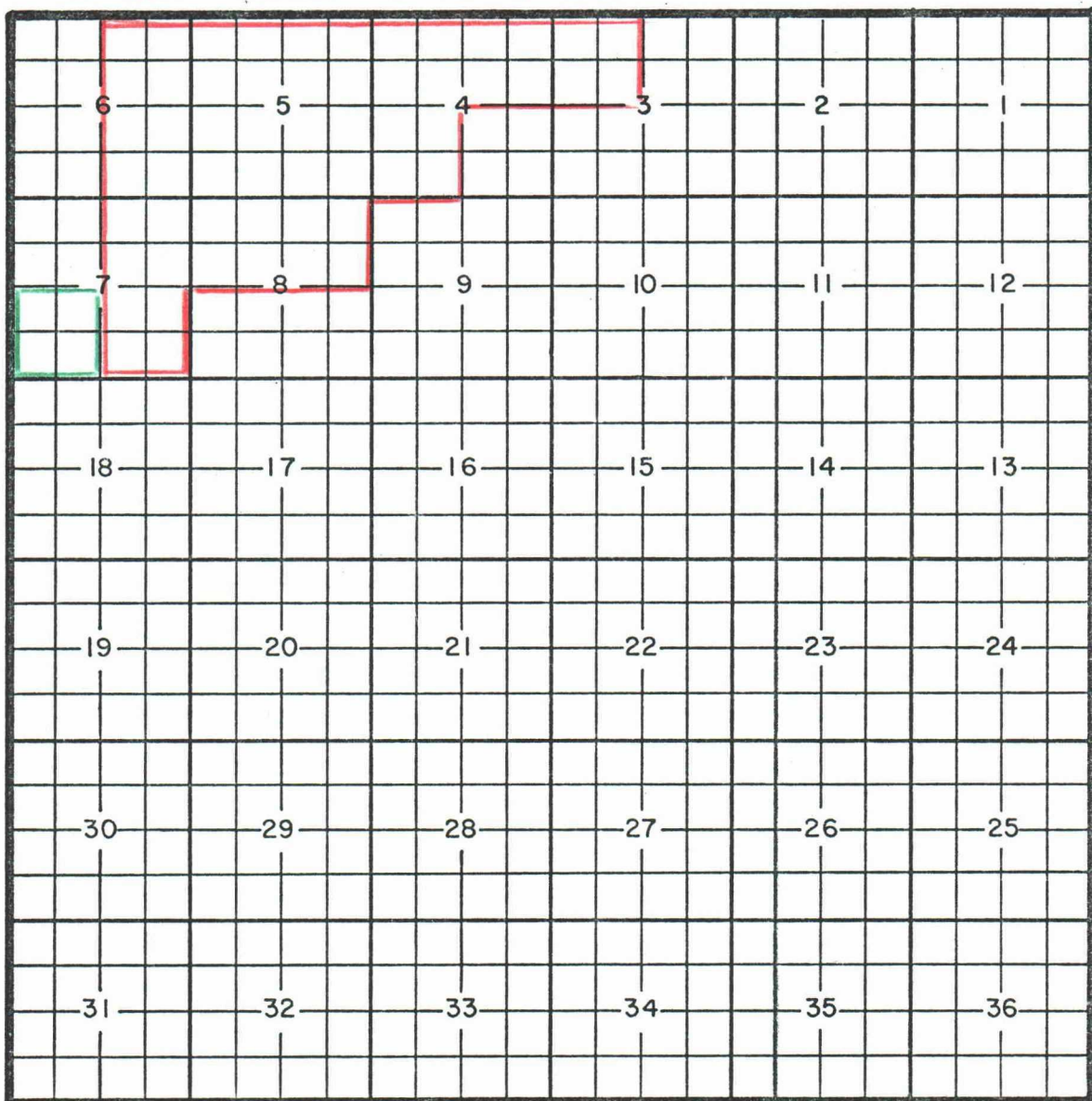
PURPOSE: See page 1 of exhibit (k)

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 4: NW/4

COUNTY CHAVES POOL CATO-SAN ANDRES

TOWNSHIP 9 South RANGE 30 East NMPM



PURPOSE: One completed oil well capable of producing.

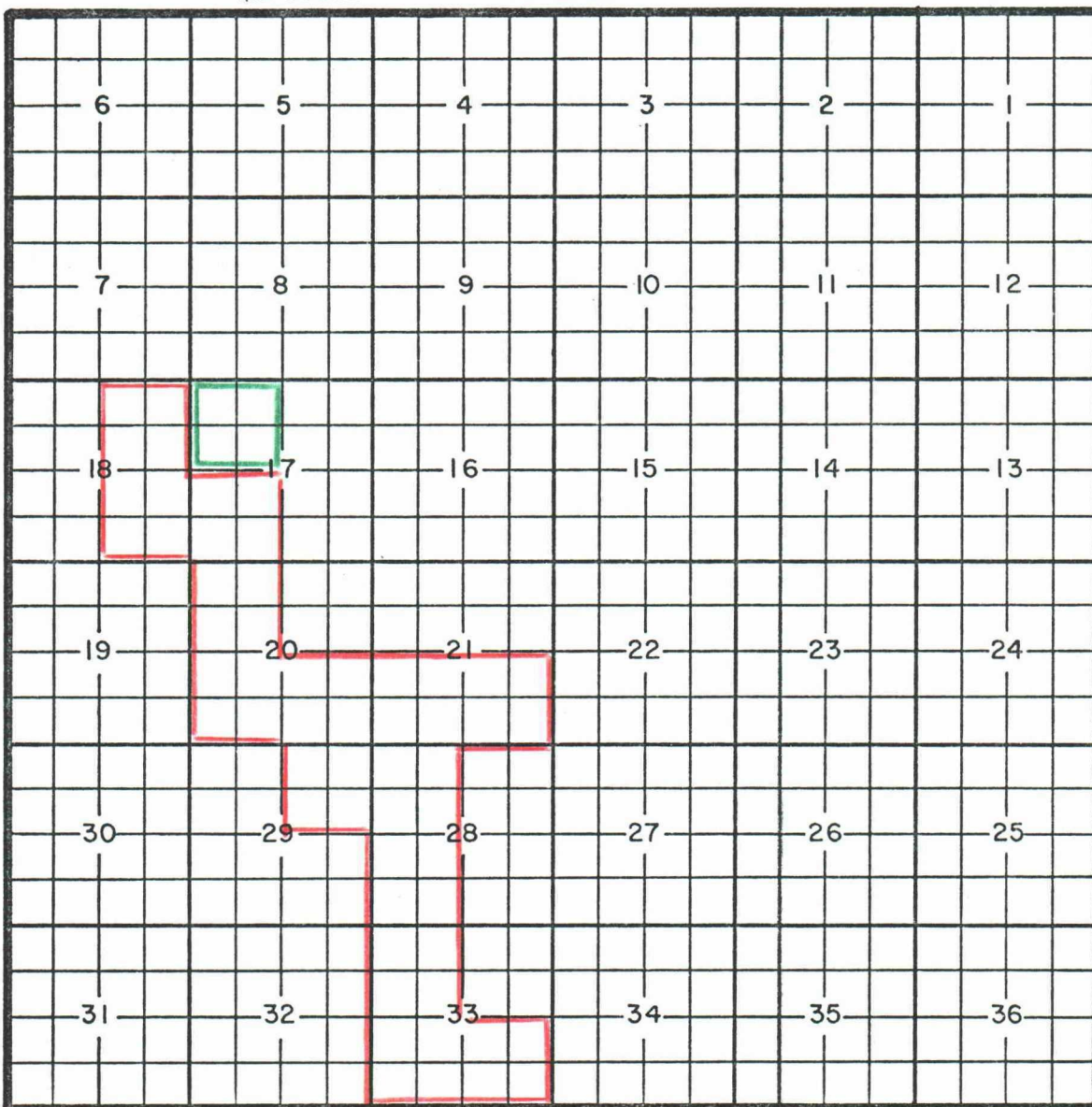
Harvey E. Yates Company Thelma #1Y-K in 7-9-30, completed August 30, 1985,
in the San Andres formation. Top perf at 3280 feet.

Pool boundary outlined in red.

Proposed pool boundary outlined in green. Section 7: SW/4

COUNTY LEA POOL SOUTH CORBIN-WOLFCAMP

TOWNSHIP 18 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

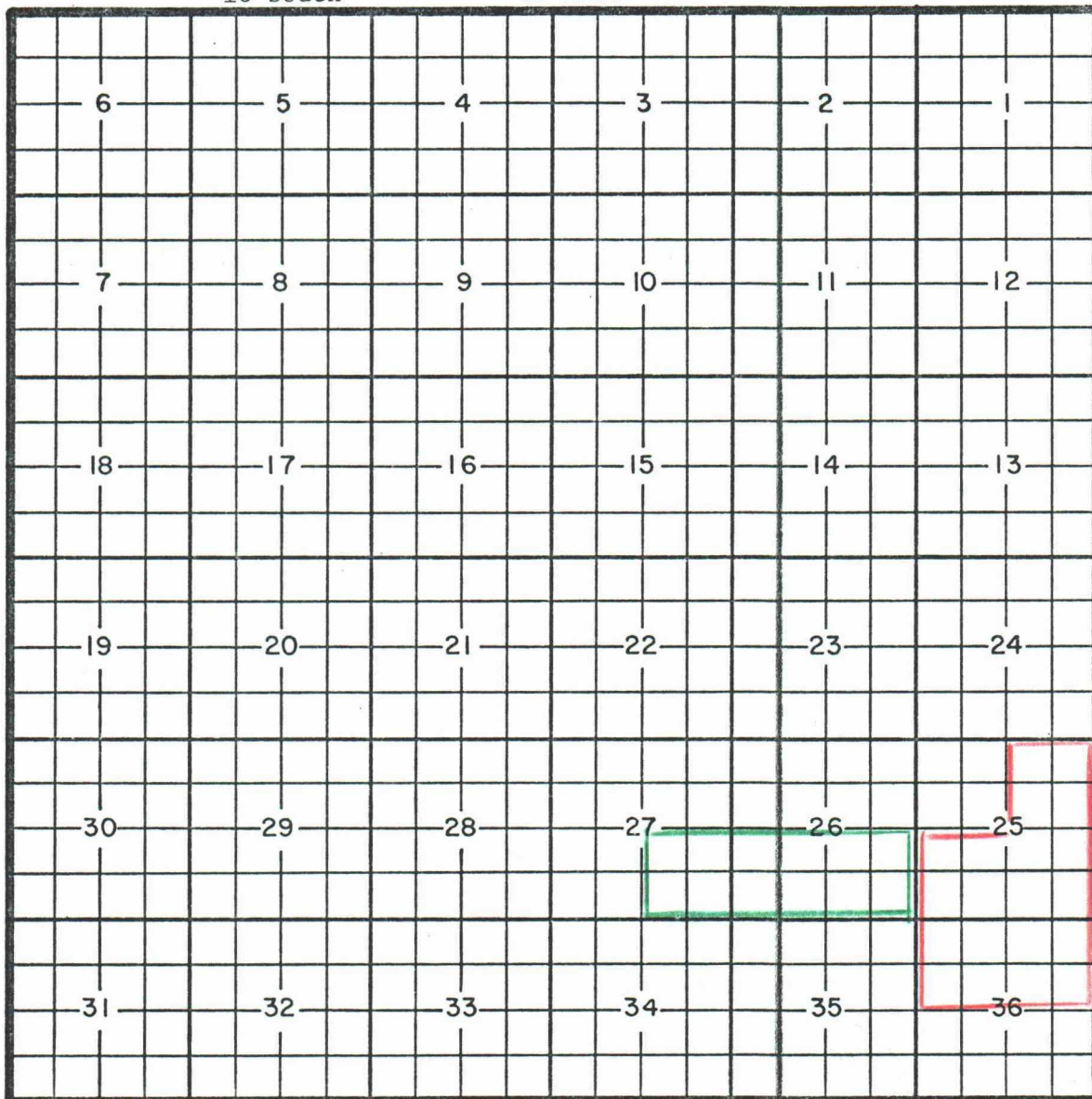
Southland Royalty Company West Corbin Federal Well #5-E in Sec 17, T18S, R33E, completed August 27, 1985, in the Wolfcamp formation. Top perf 11,049 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. SECTION 17: NW/4

COUNTY LEA POOL EK-BONE SPRING

TOWNSHIP 18 South RANGE 33 EAsT NMPM



PURPOSE: One completed oil well capable of producing.

J.M. Huber Corporation Federal 27 #1-0 in Sec 27, T18S, R33E, completed July 15, 1985, in the Bone Spring formation. Top perf 8799 feet.

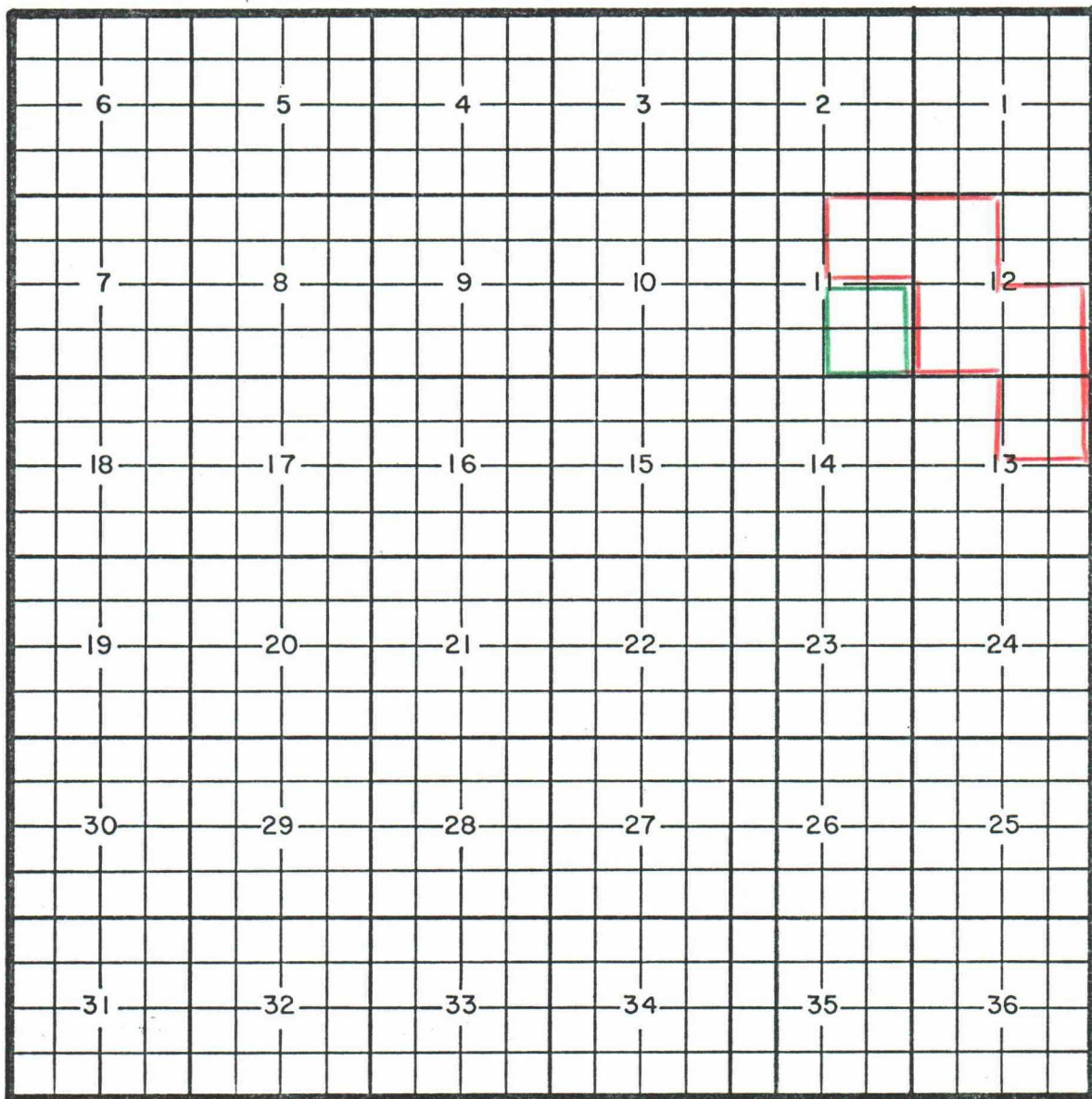
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 26: S/2

Section 27: SE/4

COUNTY LEA POOL Mescalero Escarpe-Bone Spring

TOWNSHIP 18 South RANGE 33 East NMPM



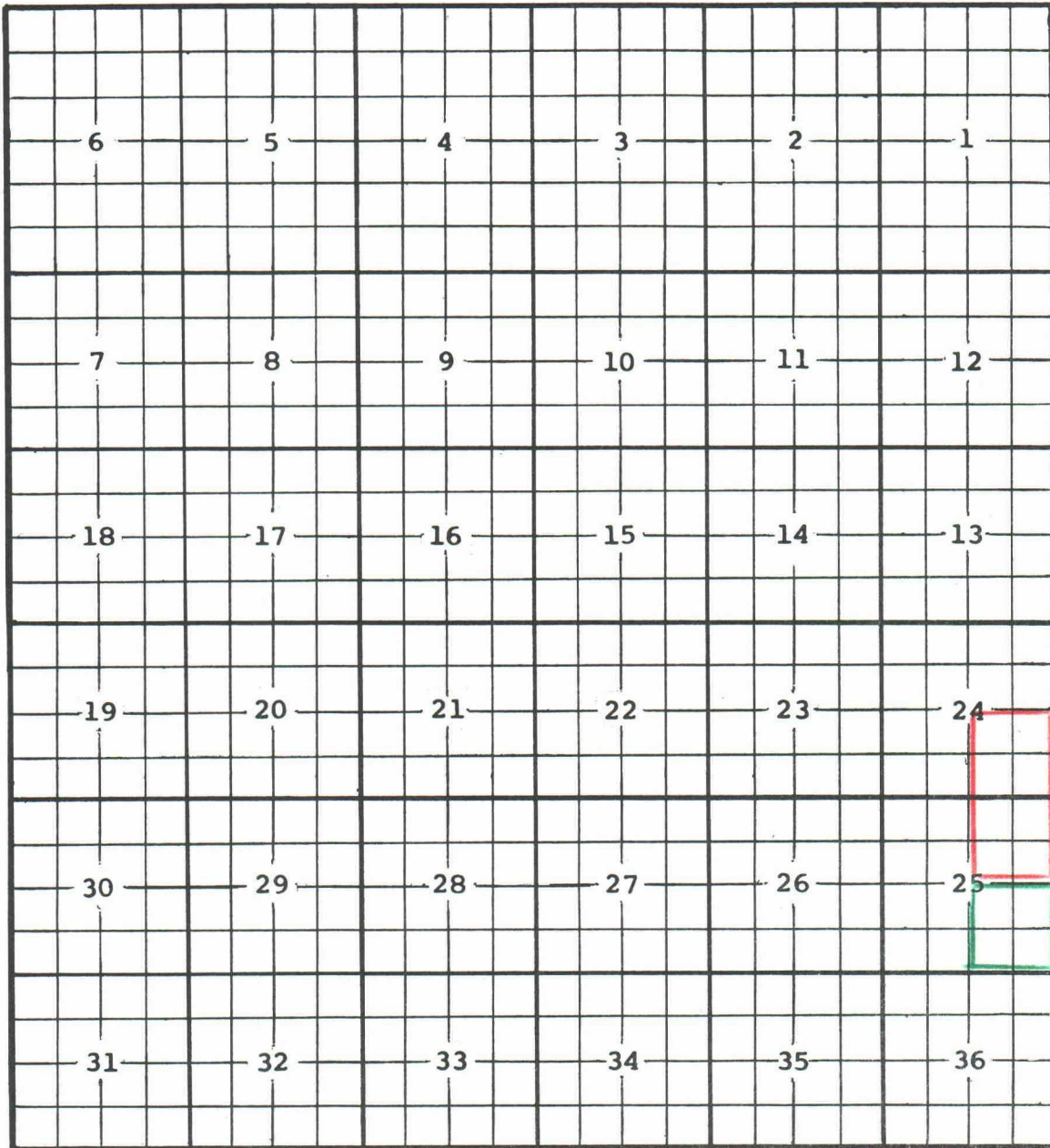
PURPOSE: One completed oil well capable of producing.
 Cities Service Oil & Gas Corp. Federal AB #2-I in Sec 11, T18S, R33E,
 completed July 13, 1985, in the Bone Spring formation. Top perf 8649 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 11: SE/4

COUNTY LEA POOL PADDOCK

TOWNSHIP 21 South RANGE 36 East NMPM



PURPOSE: One completed oil well capable of producing.

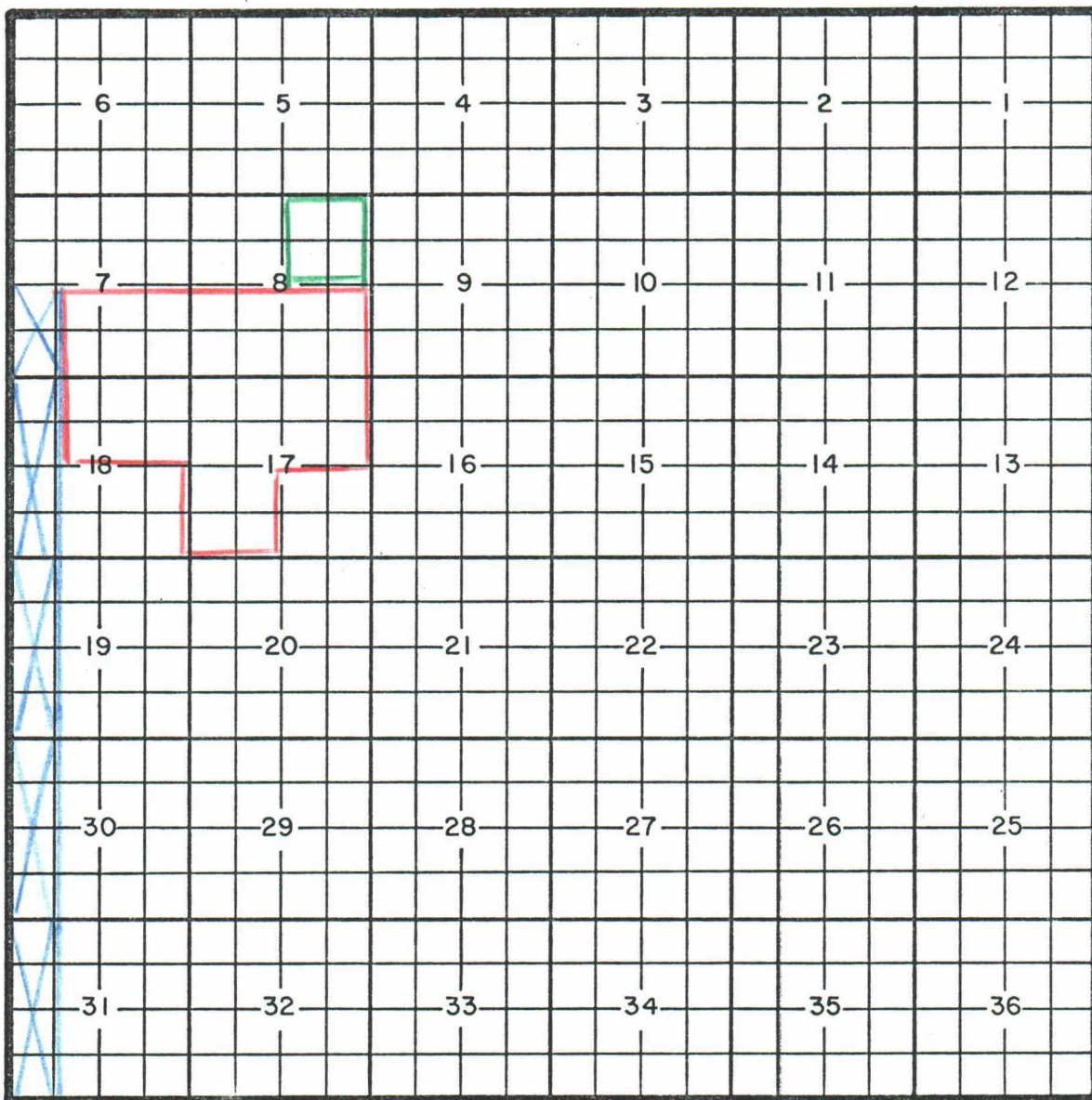
Hanson Operating Company Inc. Kingwood #1-J Sec 25, T21S, R36E, completed September 13, 1985, in the Paddock formation. Top perf 5128 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 25: SE/4

COUNTY ROOSEVELT POOL SOUTH PETERSON-PENNSYLVANIAN ASSOCIATED

TOWNSHIP 6 South RANGE 34 East NMPM



PURPOSE: One completed oil well capable of producing.

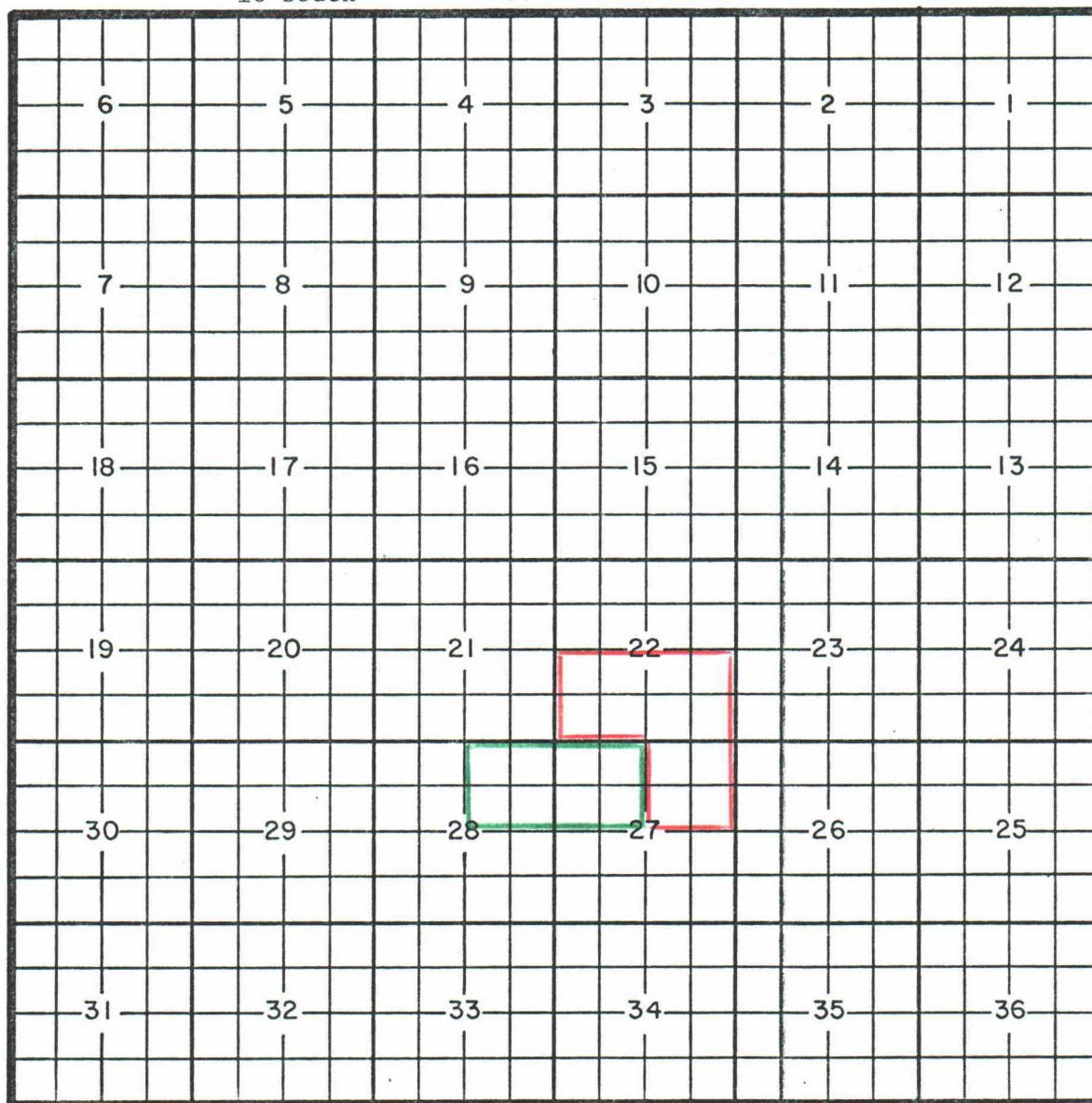
Energy Reserves Group, Inc. El Paso State #4-H in SEc 8, T6S, R34E,
completed August 23, 1985, in the Penn formation. Top perf 7722 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 8: NE/4

COUNTY LEA POOL REEVES-QUEEN

TOWNSHIP 18 South RANGE 35 East NMPM



PURPOSE: One completed oil well capable of producing.

Tamarack Petroleum Co. Inc. ARCO 28 State #1-A in Sec 28, T18S, R35E, completed September 20, 1985, in the Queen formation. Top perf 4472 ft.

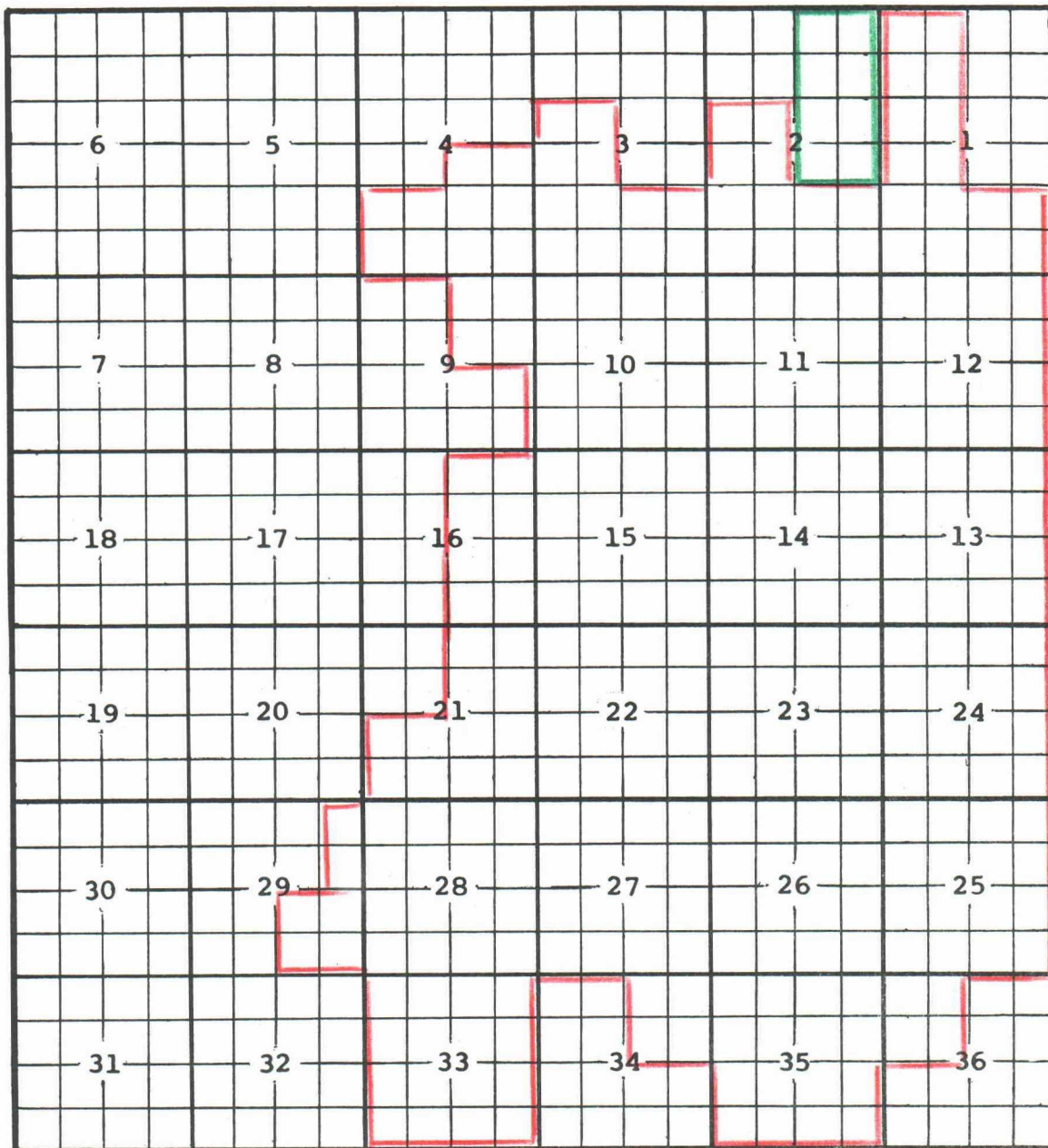
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 27: NW/4

Section 28: NE/4

COUNTY LEA POOL WANTZ-ABO

TOWNSHIP 21 South RANGE 37 East NMPM



PURPOSE: One completed oil well capable of producing.

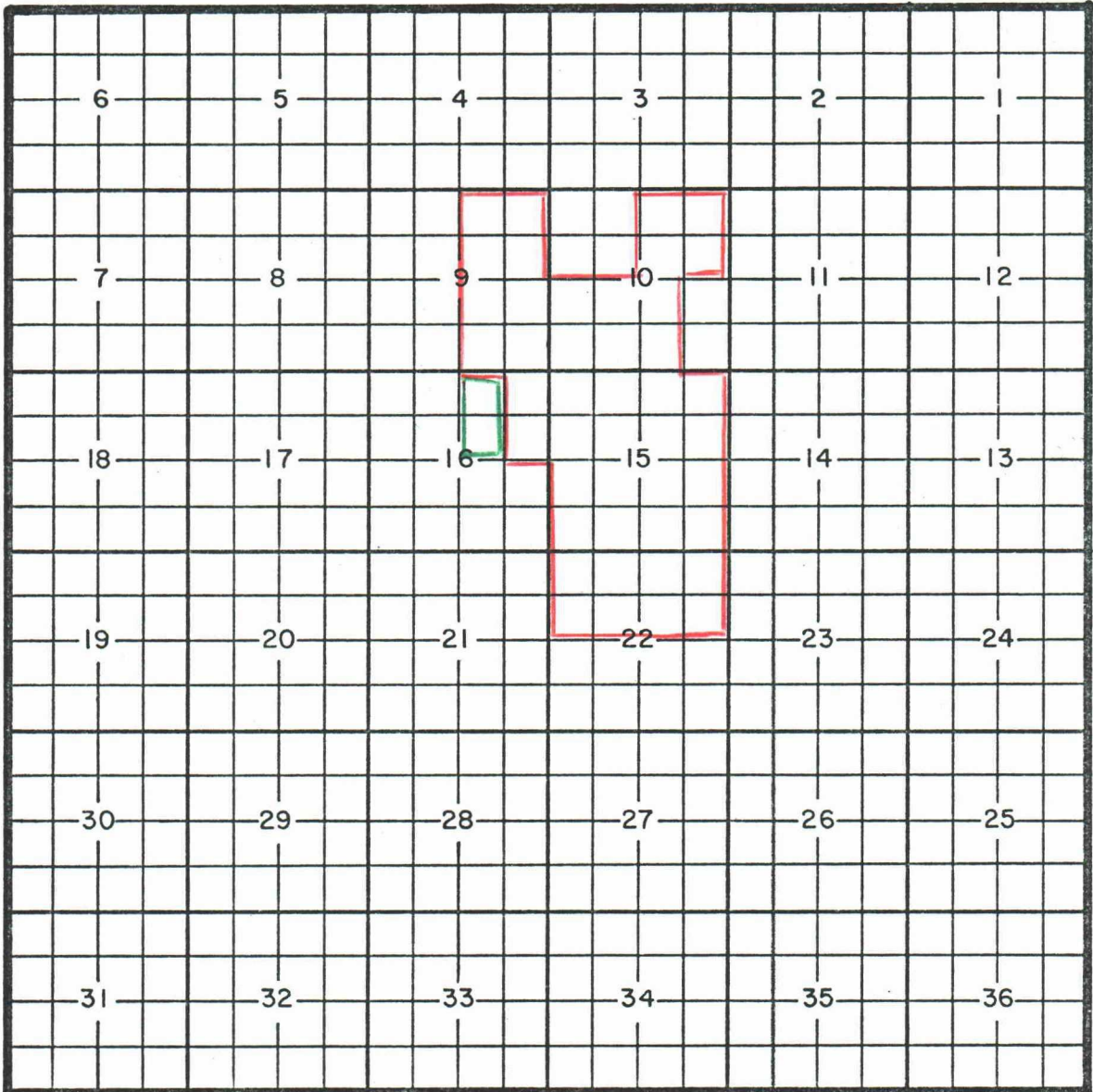
Chevron USA Inc. Harry Leonard NCT-F #17-A in SEC 2, T21S, R37E,
 completed September 9, 1985, in the Abo formation. Top perf 7062 ft.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 2: Lots 1,2,7,8,9,10,15 &16

COUNTY LEA POOL WEIR-BLINEBRY

TOWNSHIP 20 South RANGE 37 East NMPM



PURPOSE: One completed oil well capable of producing.

Marathon Oil Company Hansen State #5-H in Sec 16, T20S, R37E, completed September 19, 1985, in the Blinebry formation. Top perf 5694 ft.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 16; W/2 NE/4