

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

Order R-11116

NOMENCLATURE
CASE NO.12096

THE APPLICATION OF THE OIL CONSERVATION
DIVISION UPON ITS OWN MOTION FOR AN ORDER
CREATING, CONTRACTING VERTICAL AND
HORIZONTAL LIMITS, REDESIGNATING AND
EXTENDING CERTAIN POOLS IN LEA COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION BY THE DIVISION:

This cause came on for hearing at 8:15 am on December 3, 1998, at Santa Fe, New Mexico, before examiner Michael E. Stogner.

NOW, on this _____ day of December, 1998, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due to public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) There is need for the creation of a new pool in Lea County, New Mexico for the production of oil from the Devonian formation, said pool to bear the designation of Cam-Devonian Pool. Said Cam-Devonian Pool was discovered by UMC Petroleum Corp., Hood State, well No. 1, located in Unit F of Section 25, Township 10 South, Range 37 East, NMPM. It was completed in the Devonian formation on March 19, 1998. The top of the perforations are at 11986 feet.

- (3) There is need for the creation of a new pool in Lea County, New Mexico for the production of gas from the San Andres formation, said pool to bear the designation of Cary-San Andres (Gas) Pool. Said Cary-San Andres (Gas) Pool was discovered by Texaco Expl. & Prod. Inc., C.P. Falby B. Federal, well No. 4, located in Unit L of Section 8, Township 22 South, Range 37 East, NMPM. It was completed in the San Andres formation on August 20, 1997. The top of the perforations are at 3960 feet.
- (4) There is need for the creation of a new pool in Lea County, New Mexico for the production of oil from the Devonian formation, said pool to bear the designation of Crossroads-Devonian, Southeast Pool. Said Crossroads-Devonian, Southeast Pool was discovered by Marbob Energy Corp., Lewis Fee, well No. 1, located in Unit N of Section 31, Township 9 South, Range 37 East, NMPM. It was completed in the Devonian formation on May 1, 1998. The top of the perforations are at 12460 feet.
- (5) There is need for the creation of a new pool in Lea County, New Mexico for the production of gas from the Strawn formation, said pool to bear the designation of Fairview Mills-Strawn (Gas) Pool. Said Fairview Mills-Strawn (Gas) Pool was discovered by Burlington Resources Oil & Gas Co., Pitchfork 4 Federal, well No. 2, located in Unit K of Section 4, Township 25 South, Range 34 East, NMPM. It was completed in the Strawn formation on May 9, 1998. The top of the perforations are at 13701 feet.
- (6) There is need for the creation of a new pool in Lea County, New Mexico for the production of gas from the Mississippian formation, said pool to bear the designation of Feather-Mississippian, North (Gas) Pool. Said Feather-Mississippian, North (Gas) Pool was discovered by Yates Petroleum Corp., Pluma ASD State Com, well No.1, located in Unit L of Section 10, Township 15 South, Range 32 East, NMPM. It was completed in the Mississippian formation on February 7, 1998. The top of the perforations are at 12456 feet.
- (7) There is need for the creation of a new pool in Lea County, New Mexico for the production of oil from the Abo formation, said pool to bear the designation of Garrett-Abo, East Pool. Said Garrett-Abo, East Pool was discovered by Browning Oil Co, Inc., Byers, well No. 1, located in Unit C of Section 29, Township 16 South, Range 39 East, NMPM. It was completed in the Abo formation on November 5, 1997. The top of the perforations are at 8271 feet.

- (8) There is need for the creation of a new pool in Lea County, New Mexico for the production of oil from the San Andres formation, said pool to bear the designation of Hare-San Andres, Northwest Pool. Said Hare-San Andres, Northwest Pool was discovered by Conoco, Inc., Deck Estate 7, well No. 1, located in Unit L of Section 7, Township 21 South, Range 37 East, NMPM. It was completed in the San Andres formation on April 13, 1998. The top of the perforations are at 4018 feet.
- (9) There is need for the creation of a new pool in Lea County, New Mexico for the production of oil from the San Andres formation, said pool to bear the designation of Hume-San Andres, North Pool. Said Hume-San Andres, North Pool was discovered by Santa Fe Energy Resources, Inc., Humble Hume 5 State, well No. 1, located in Unit W of Section 5, Township 16 South, Range 34 East, NMPM. It was completed in the San Andres formation on February 25, 1998. The top of the perforations are at 4984 feet.
- (10) There is need for the creation of a new pool in Lea County, New Mexico for the production of gas from the Atoka formation, said pool to bear the designation of S.R.R.-Atoka (Gas) Pool. Said S.R.R.-Atoka (Gas) Pool was discovered by Yates Petroleum Corp., Buffalo Wallow LA Com well No. 1, located in Unit H of Section 21, Township 9 South, Range 32 East, NMPM. It was completed in the Atoka formation on October 21, 1997. The top of the perforations are at 11242 feet.
- (11) There is need for the creation of a new pool in Lea County, New Mexico for the production of oil from the Abo formation, said pool to bear the designation of Sand Springs-Abo Pool. Said Sand Springs-Abo Pool was discovered by Manzano Oil Corp., Snake Eyes State, well No. 1, located in Unit I of Section 6, Township 11 South, Range 35 East, NMPM. It was completed in the Abo formation on April 1, 1998. The top of the perforations are at 9086 feet.
- (12) There is need for the creation of a new pool in Lea County, New Mexico for the production of gas from the Morrow formation, said pool to bear the designation of Triste Draw-Morrow, East (Gas) Pool. Said Triste Draw-Morrow, East (Gas) Pool was discovered by Cobra Oil & Gas Corp., State 19, well No. 1, located in Unit G of Section 19, Township 24 South, Range 33 East, NMPM. It was completed in the Morrow formation on September 25, 1997. The top of the perforations are at 15174 feet.

- (13) There is need for the creation of a new pool in Lea County, New Mexico for the production of gas from the Seven Rivers formation, said pool to bear the designation of Warren-Seven Rivers (Gas) Pool. Said Warren-Seven Rivers (Gas) Pool was discovered by Conoco, Inc., Warren Unit, well No. 127, located in Unit P of Section 28, Township 20 South, Range 38 East, NMPM. It was completed in the Seven Rivers formation on April 18, 1998. The top of the perforations are at 3027 feet.
- (14) There is need for the contraction of the Rhodes Yates-Seven Rivers Pool, in Lea County, New Mexico, to include the deletion of acreage.
- (15) There is need for the contraction of the ShoeBar-Pennsylvanian Pool, in Lea County, New Mexico, to include only the Cisco, Canyon and Strawn formations and redesignate the pool as the ShoeBar-Upper Pennsylvanian Pool.
- (16) There is a need for certain extensions to the Bluit-San Andres, South Pool, the Bluit-Siluro Devonian, North Pool, Cass-Strawn, South Pool, the DK-Abo Pool, the Feather-Morrow, North (Gas) Pool, the Featherstone-Bone Spring Pool, the South, Flying M-Abo, Pool, the Gem-Morrow (Gas) Pool, the Hare-San Andres (Gas) Pool, the Hat Mesa-Morrow (Gas) Pool, the La Rica-Morrow, West (Gas) Pool, the Lovington-Penn, Northeast Pool, the Maljamar-Queen, (Gas) Pool, the Midway-Upper Penn, West Pool, the Monument-Abo Pool, the Monument-Abo, North Pool, the Monument-Abo, Southeast Pool, the Monument-Tubb Pool, the Paddock Pool, the Paduca-Delaware Pool, the Pearsall-Queen Pool, the Quail Ridge-Bone Spring, South Pool, the Quail Ridge-Morrow, North (Gas) Pool, the Querecho Plains-Delaware Pool, the Red Tank-Bone Spring Pool, the Red Tank-Delaware, West Pool, the Rhodes-Yates-Seven Rivers (Gas) Pool, the Shoebar-Atoka (Gas) Pool, the Shoebar-Wolfcamp Pool, the Skaggs-Abo (Gas) Pool, the Skaggs-Grayburg Pool, the Tatum-Upper Pennsylvanian Pool, the Teas-Bone Spring Pool, the Townsend Permo-Upper Pennsylvanian Pool, the Triste Draw-Atoka, East (Gas) Pool, the Triste Draw-Bone Spring Pool, the Vacuum-Wolfcamp Pool, the Wantz-Abo Pool, the Young-Bone Spring, North Pool.

IT IS THEREFORE ORDERED THAT:

- (a) A new pool in Lea County, New Mexico classified as an oil pool for Devonian production is hereby created and designated as the Cam-Devonian Pool, consisting of the following described area.

TOWNSHIP 10 SOUTH, RANGE 37 EAST, NMPM
Section 25: NW/4

- (b) A new pool in Lea County, New Mexico classified as a gas pool for San Andres production is hereby created and designated as the Cary-San Andres (Gas) Pool, consisting of the following described area.

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

- (c) A new pool in Lea County, New Mexico classified as an oil pool for Devonian production is hereby created and designated as the Crossroads-Devonian, Southeast Pool, consisting of the following described area.

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM
Section 31: SW/4

- (d) A new pool in Lea County, New Mexico classified as a gas pool for Strawn production is hereby created and designated as the Fairview Mills-Strawn (Gas) Pool, consisting of the following described area.

TOWNSHIP 25 SOUTH, RANGE 34 EAST, NMPM
Section 4: S/2

- (e) A new pool in Lea County, New Mexico classified as a gas pool for Mississippian production is hereby created and designated as the Feather-Mississippian, North (Gas) Pool, consisting of the following described area.

TOWNSHIP 15 SOUTH, RANGE 32 EAST, NMPM
Section 10: W/2

- (f) A new pool in Lea County, New Mexico classified as an oil pool for Abo production is hereby created and designated as the Garrett-Abo, East Pool, consisting of the following described area.

TOWNSHIP 16 SOUTH, RANGE 39 EAST, NMPM
Section 29: NW/4

- (g) A new pool in Lea County, New Mexico classified as an oil pool for San Andres production is hereby created and designated as the Hare-San Andres, Northwest Pool, consisting of the following described area.

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 7: SW/4

- (h) A new pool in Lea County, New Mexico classified as an oil pool for San Andres production is hereby created and designated as the Hume-San Andres, North Pool, consisting of the following described area.

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
Section 5: SE/4

- (i) A new pool in Lea County, New Mexico classified as a gas pool for Atoka production is hereby created and designated as the S.R.R.-Atoka (Gas) Pool, consisting of the following described area.

TOWNSHIP 9 SOUTH, RANGE 32 EAST, NMPM
Section 21: E/2

- (j) A new pool in Lea County, New Mexico classified as an oil pool for Abo production is hereby created and designated as the Sand Springs-Abo Pool, consisting of the following described area.

TOWNSHIP 11 SOUTH, RANGE 35 EAST, NMPM
Section 6: SE/4

- (k) A new pool in Lea County, New Mexico classified as a gas pool for Morrow production is hereby created and designated as the Triste Draw-Morrow, East (Gas) Pool, consisting of the following described area.

TOWNSHIP 24 SOUTH, RANGE 33 EAST, NMPM
Section 19: N/2

- (l) A new pool in Lea County, New Mexico classified as a gas pool for Seven Rivers production is hereby created and designated as the Warren-Seven Rivers (Gas) Pool, consisting of the following described area.

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 28: SE/4

- (m) The Rhodes-Yates-Seven Rivers Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby contracted by the deletion of the following described area.

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM
Section 26: NE/4

- (n) Extend the Rhodes-Yates-Seven Rivers Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPPM

Section 6: NE/4

Section 23: NW/4

Section 26: NE/4

- (o) The ShoeBar-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby contracted to include the Cisco, Canyon and Strawn formations and redesignate the pool as the ShoeBar-Upper Pennsylvanian Pool.

- (p) The Bluit-San Andres, South, Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPPM

Section 25: SW/4

Section 26: SE/4

- (q) The Bluit-Siluro, Devonian, North, Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPPM

Section 27: NE/4

- (r) The Cass-Strawn, South Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPPM

Section 36: SW/4

- (s) The DK-Abo Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPPM

Section 24: E/2

- (t) The Feather-Morrow, North (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 32 EAST, NMPPM

Section 10: W/2

- (u) The Featherstone-Bone Spring Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPPM

Section 16: S/2, NW/4

Section 17: NE/4

- (v) The Flying M-Abo, South Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 9 SOUTH, RANGE 32 EAST, NMPPM

Section 14: NE/4

- (w) The Gem-Morrow (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPPM

Section 28: W/2

- (x) The Hare-San Andres (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPPM

Section 16: S/2

- (y) The Hat-Mesa, Morrow (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPPM

Section 1: Lots 3, 4, 5, 6, 11, 12, 13, 14

Section 14: W/2

- (z) The LaRica-Morrow, West, (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPPM

Section 29: SW/4

Section 32: W/2

- (aa) The Lovington-Pennsylvanian, Northeast Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM

Section 1: Lots, 9, 10, 15, & 16

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM

Section 6: Lots 2 & 7

- (bb) The Maljamar-Queen (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM

Section 15: NW/4

- (cc) The Midway-Upper Pennsylvanian , West Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM

Section 22: NW/4

- (dd) The Monument-Abo Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM

Section 5: NW/4

- (ee) The Monument-Abo, North Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 36 EAST, NMPM

Section 1: SW/4

Section 12: NW/4

- (ff) The Monument-Abo, Southeast Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM

Section 16: SE/4

- (gg) The Monument-Tubb Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM

Section 2: W/2
Section 3: SE/4
Section 5: SE/4
Section 8: NE/4

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM

Section 6: SW/4

- (hh) The Paddock Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM

Section 22: SE/4

- (ii) The Paduca-Delaware Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 25 SOUTH, RANGE 32 EAST, NMPM

Section 9: SW/4

- (jj) The Pearsall-Queen Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM

Section 6: SE/4
Section 7: NE/4

- (kk) The Quail-Ridge, Bone Spring, South Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM

Section 28: SW/4
Section 29: SE/4
Section 33:N/2

- (ll) The Quail Ridge-Morrow, North (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM

Section 1: SW/4

Section 12: W/2

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM

Section 5: S/2

- (mm) The Querecho Plains-Delaware Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM

Section 3: W/2

Section 4: SE/4

- (nn) The Red Tank-Bone Spring Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 32 EAST, NMPM

Section 14: SE/4

Section 24: SE/4

- (oo) The Red Tank-Delaware, West Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 32 EAST, NMPM

Section 23: NE/4

Section 24: W/2

Section 25: NE/4

TOWNSHIP 22 SOUTH, RANGE 33 EAST, NMPM

Section 30: NW/4

- (pp) The ShoeBar-Atoka (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM

Section 26: N/2

Section 27:N/2

- (qq) The ShoeBar-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPPM
Section 26: NW/4

- (rr) The Skaggs-Abo (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPPM
Section 10: NE/4

- (ss) The Skaggs Grayburg Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPPM
Section 20: SW/4

- (tt) The Tatum-Upper Pennsylvanian Pool in Lea County, New Mexico to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPPM
Section 7: W/2 E/2

- (uu) The Teas-Bone Spring Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPPM
Section 11: NE/4
Section 12: NW/4

- (vv) The Townsend-Permo Upper Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 35 EAST, NMPPM
Section 29: NW/4
Section 30: N/2

- (ww) The Triste Draw-Atoka, East (Gas) Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 24 SOUTH, RANGE 33 EAST, NMPPM
Section 19: N/2

- (xx) The Triste Draw-Bone Spring Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM

Section 34: SE/4

- (yy) The Vacuum-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM

Section 6: NW/4

- (zz) The Wantz-Abo Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 8: NE/4

Section 9: NW/4

- (aaa) The Young-Bone Spring, North Pool in Lea County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM

Section 17: SW/4

New Pools

It is recommended that a new oil pool be created and designated as the Cam-Devonian Pool.

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

Discovery well was UMC Petroleum Corp., Hood State Well No. 1 located in Unit F Section 25 Township 10S Range 37E and was completed on March 19, 1998. Top of the perforations are at 11986 feet.

It is recommended that a new gas pool be created and designated as the Cary-San Andres (Gas) Pool.

Vertical limits to be the San Andres formation and the horizontal limits should be as follows: As outlined in Paragraph (b) Exhibit I.

Discovery well was Texaco Expl. & Prod. Inc., C.P. Falby B. Federal Well No.4 located in Unit L Section 8 Township 22S Range 37E and was completed on August 20, 1997. Top of perforations are at 3960 feet.

It is recommended that a new oil pool be created and designated as the Crossroads-Devonian, Southeast Pool.

Vertical limits to be the Devonian formation and the horizontal limits should be as follows: As outlined in Paragraph © Exhibit I.

Discovery well was Marbob Energy Corp., Lewis Fee, Well No. 1 located in Unit N Section 31 Township 9S Range 37E and was completed on May 1, 1998. Top of perforations are at 12460 feet.

It is recommended that a new gas pool be created and designated as the Fairview Mills-Strawn (Gas) Pool.

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

Discovery well was Burlington Res. Oil & Gas Co., Pitchfork 4 Federal Well No. 2 located in Unit K Section 4 Township 25S Range 34E and was completed on May 9, 1998 . Top of perforations are at 13701 feet.

It is recommended that a new gas pool be created and designated as the Feather-Mississippian, North (Gas) Pool.

Vertical limits to be the Mississippian formation and the horizontal limits should be as follows: As outlined in Paragraph (e) Exhibit I.

Discovery well was Yates Petro. Corp., Pluma ASD State Com, Well No. 1 located in Unit L Section 10 Township 15S Range 32E and was completed on February 7, 1998 . Top of perforations are at 12456 feet.

It is recommended that a new oil pool be created and designated as the Garrett-Abo, East Pool.

Vertical limits to be the Abo formation and the horizontal limits should be as follows: As outlined in Paragraph (f) Exhibit I.

Discovery well was Browning Oil Co., Inc., Byers Well No. 1 located in Unit C Section 29 Township 16S Range 39E and was completed on November 5, 1997 . Top of perforations are at 8271 feet.

It is recommended that a new oil pool be created and designated as the Hare-San Andres, Northwest Pool.

Vertical limits to be the San Andres formation and the horizontal limits should be as follows: As outlined in Paragraph (g) Exhibit I.

Discovery well was Conoco Inc., Deck Estate 7, Well No. 1 located in Unit L Section 7 Township 21S Range 37E and was completed on April 13, 1998. Top of perforations are at 4018 feet.

It is recommended that a new oil pool be created and designated as the Hume-San Andes, North Pool.

Vertical limits to be the San Andres formation and the horizontal limits should be as follows: As outlined in Paragraph (h) Exhibit I.

Discovery well was Santa Fe Energy Res., Inc., Humble Hume 5 State Well No.1 located in Unit W Section 5 Township 16S Range 34E and was completed on February 25, 1998. Top of perforations are at 4984 feet.

It is recommended that a new gas pool be created and designated as the S.R.R. Atoka (Gas) Pool.

Vertical limits to be the Atoka formation and the horizontal limits should be as follows: As outlined in Paragraph (i) Exhibit I.

Discovery well was Yates Petroleum Corp., Buffalo Wallow LA Com Well No.1 located in Unit H Section 21 Township 9S Range 32E and was completed on October 21, 1997. Top of perforations are at 11242 feet.

It is recommended that a new oil pool be created and designated as the Sand Springs-Abo Pool.

Vertical limits to be the Abo formation and the horizontal limits should be as follows: As outlined in Paragraph (j) Exhibit I.

Discovery well was Manzano Oil Corp, Snake Eyes State, Well No. 1 located in Unit I Section 6 Township 11S Range 35E and was completed on April 1, 1998. Top of perforations are at 9086 feet.

It is recommended that a new gas pool be created and designated as the Triste Draw-Morrow, East (Gas) Pool.

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

Discovery well was Cobra Oil & Gas Corp., State 19, Well No. 1 located in Unit G Section 19 Township 24S Range 33E and was completed on September 25, 1997. Top of perforations are at 15174 feet.

It is recommended that a new gas pool be created and designated as the Warren-Seven Rivers (Gas) Pool.

Vertical limits to be the Seven Rivers formation and the horizontal limits should be as follows: As outlined in Paragraph (l) Exhibit I.

Discovery well was Conoco, Inc., Warren Unit, Well No. 127 located in Unit P Section 28 Township 20S Range 38E. and was completed on April 18, 1998. Top of perforations are at 3027 feet.

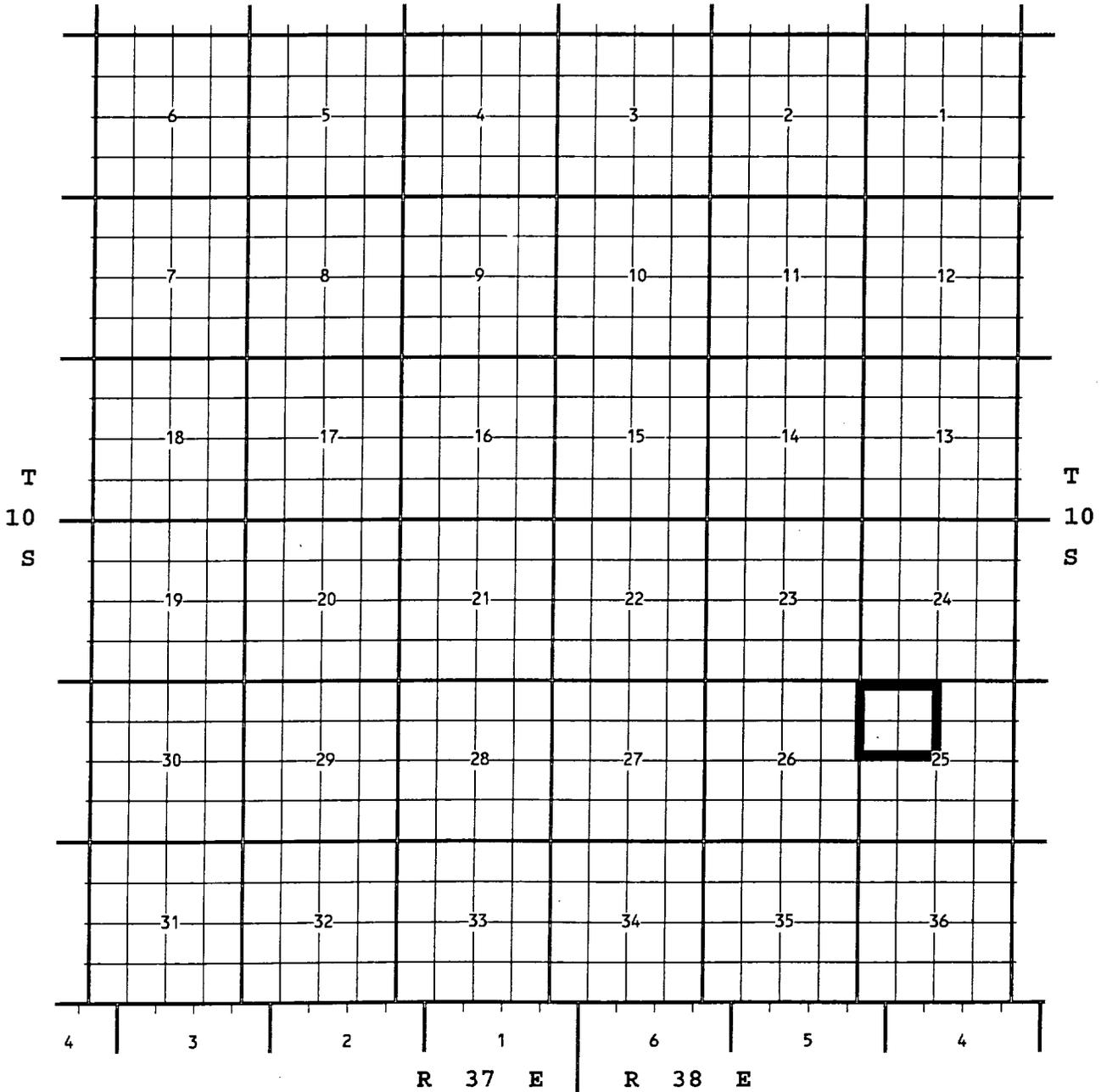
CASE NO. 12090 (a) CREATION OF AN OIL POOL

COUNTY: LEA

POOL: CAM;DEVONIAN

TOWNSHIP: 10 SOUTH RANGE: 37 EAST NMPM

R 37 E



PURPOSE: One completed oil well capable of producing.
UMC PETROLEUM CORP, HOOD STATE # 1, F-25-T10S-R37E, completed 03/19/1998, in the Devonian Formation,
top perfs 11986 ft.

Proposed pool boundry in bold outline. Township 10 Range 37 Section 25: NW/4

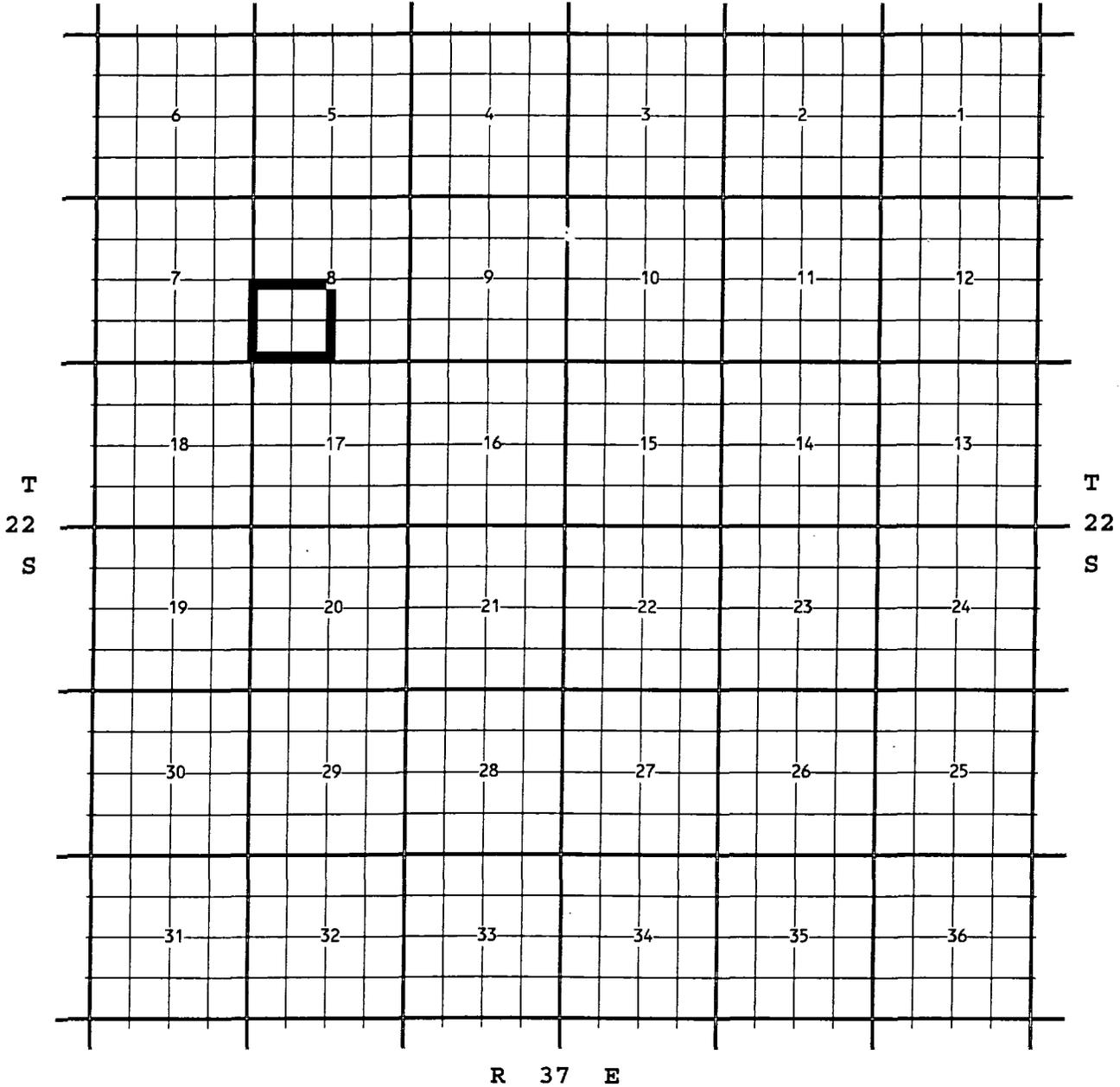
CASE NO. 12090 (b) CREATION OF A GAS POOL

COUNTY: LEA

POOL: CARY; SAN ANDRES (GAS)

TOWNSHIP: 22 SOUTH RANGE: 37 EAST NMPM

R 37 E



PURPOSE: One completed gas well capable of producing.
TEXACO EXPLORATION & PRODUCTION INC, C P FALBY B FEDERAL # 4, L-8-T22S-R37E, completed 08/20/1997,
in the San Andres Formation, top perms 3960 ft.

Proposed pool boundry in bold outline. Township 22 Range 37 Section 8 : SW/4

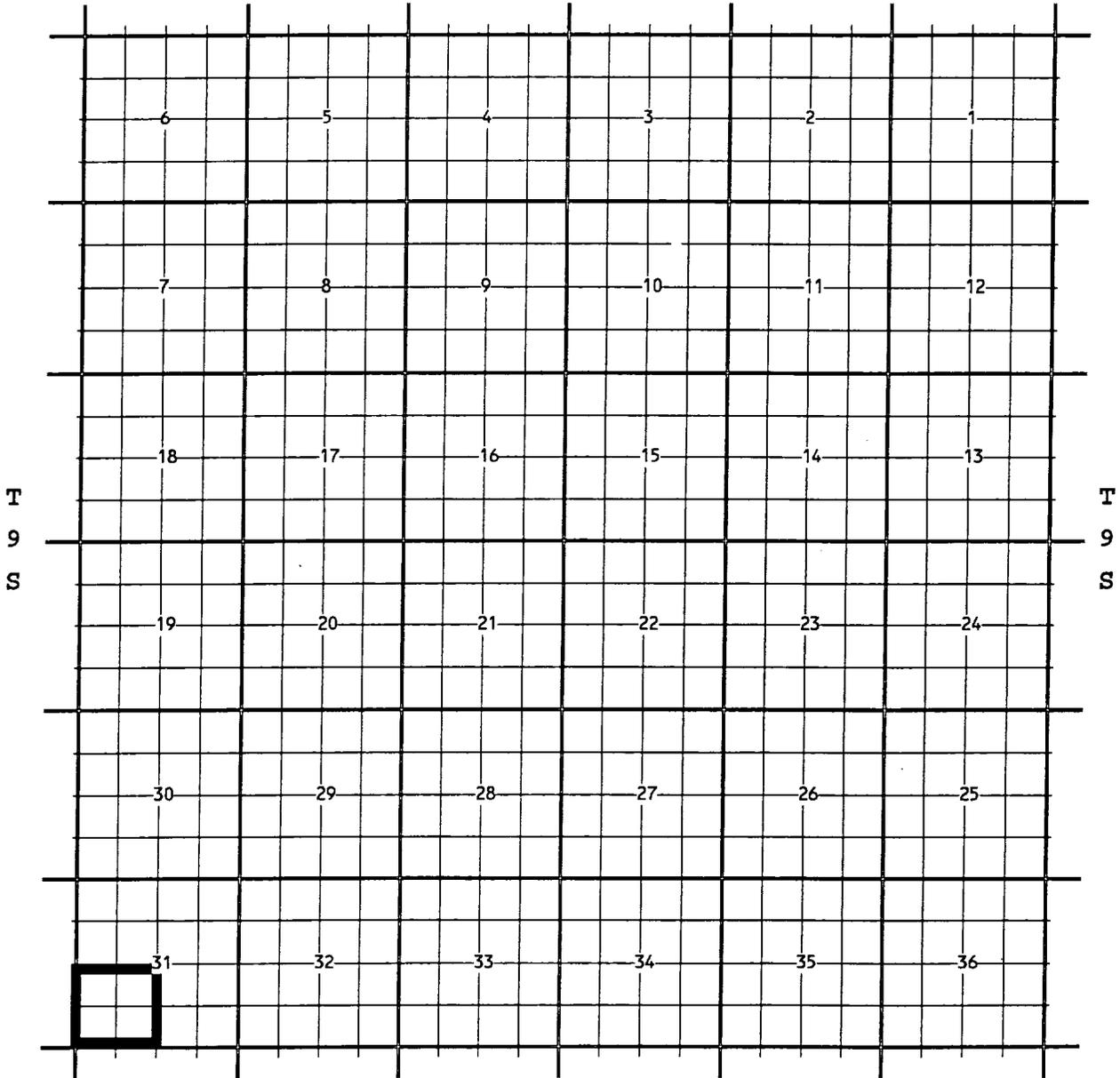
CASE NO. 12090 (c) CREATION OF AN OIL POOL

COUNTY: LEA

POOL: CROSSROADS;DEVONIAN, SOUTHEAST

TOWNSHIP: 9 SOUTH RANGE: 37 EAST NMPM

R 37 E



R 37 E

PURPOSE: One completed oil well capable of producing.
MARBOB ENERGY CORP, LEWIS FEE # 1, N-31-T9S-R37E, completed 05/01/1998, in the Devonian Formation,
top perms 12460 ft.

Proposed pool boundry in bold outline. Township 9 Range 37 Section 31: SW/4

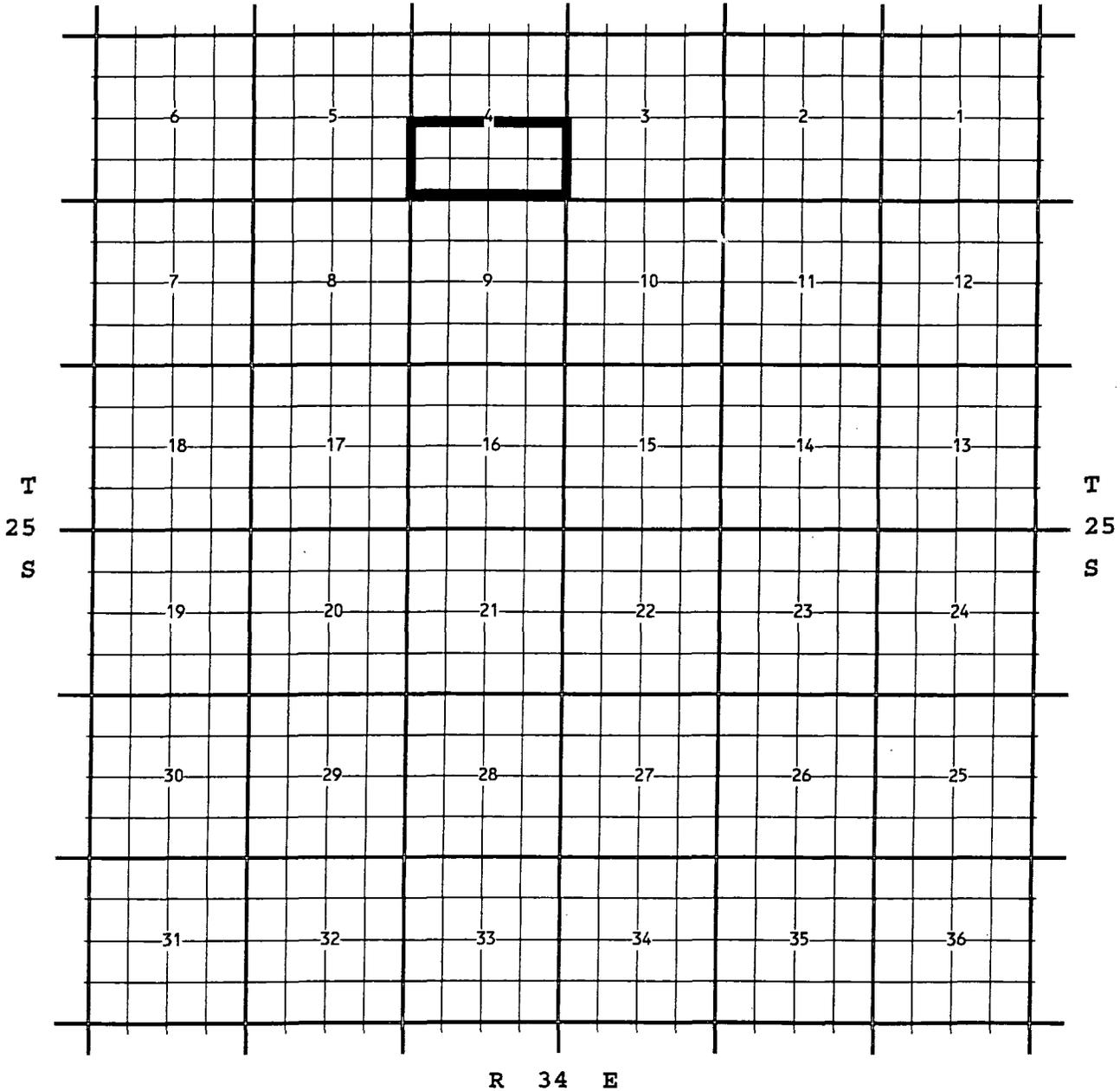
CASE NO. 12090 (d) CREATION OF A GAS POOL

COUNTY: LEA

POOL: FAIRVIEW MILLS; STRAWN (GAS)

TOWNSHIP: 25 SOUTH RANGE: 34 EAST NMPM

R 34 E



PURPOSE: One completed gas well capable of producing.
BURLINGTON RESOURCES OIL AND GAS COMPANY, PITCHFORK 4 FEDERAL # 2, K-4-T25S-R34E, completed 05/09/1998,
in the Strawn Formation, top perfs 13701 ft.

Proposed pool boundary in bold outline. Township 25 Range 34 Section 4 : S/2

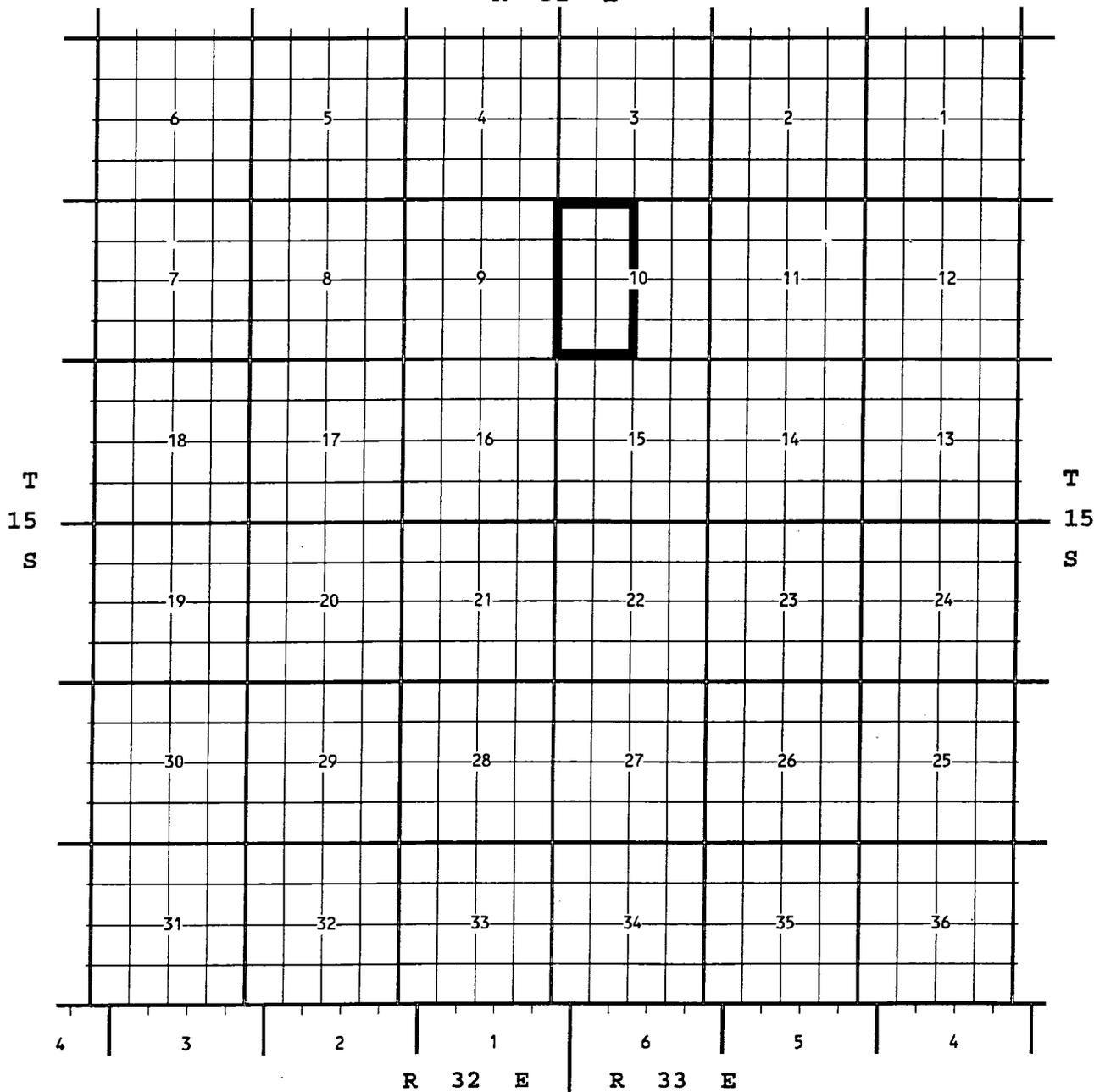
CASE NO. 12090 (e) CREATION OF A GAS POOL

COUNTY: LEA

POOL: FEATHER;MISS, NORTH (GAS)

TOWNSHIP: 15 SOUTH RANGE: 32 EAST NMPM

R 32 E



PURPOSE: One completed gas well capable of producing.
YATES PETROLEUM CORPORATION, PLUMA ASD STATE COM # 1, L-10-T15S-R32E, completed 02/07/1998,
in the Mississippian Formation, top perfs 12456 ft.

Proposed pool boundry in bold outline. Township 15 Range 32 Section 10: W/2

CASE NO. 12090 (f) CREATION OF AN OIL POOL

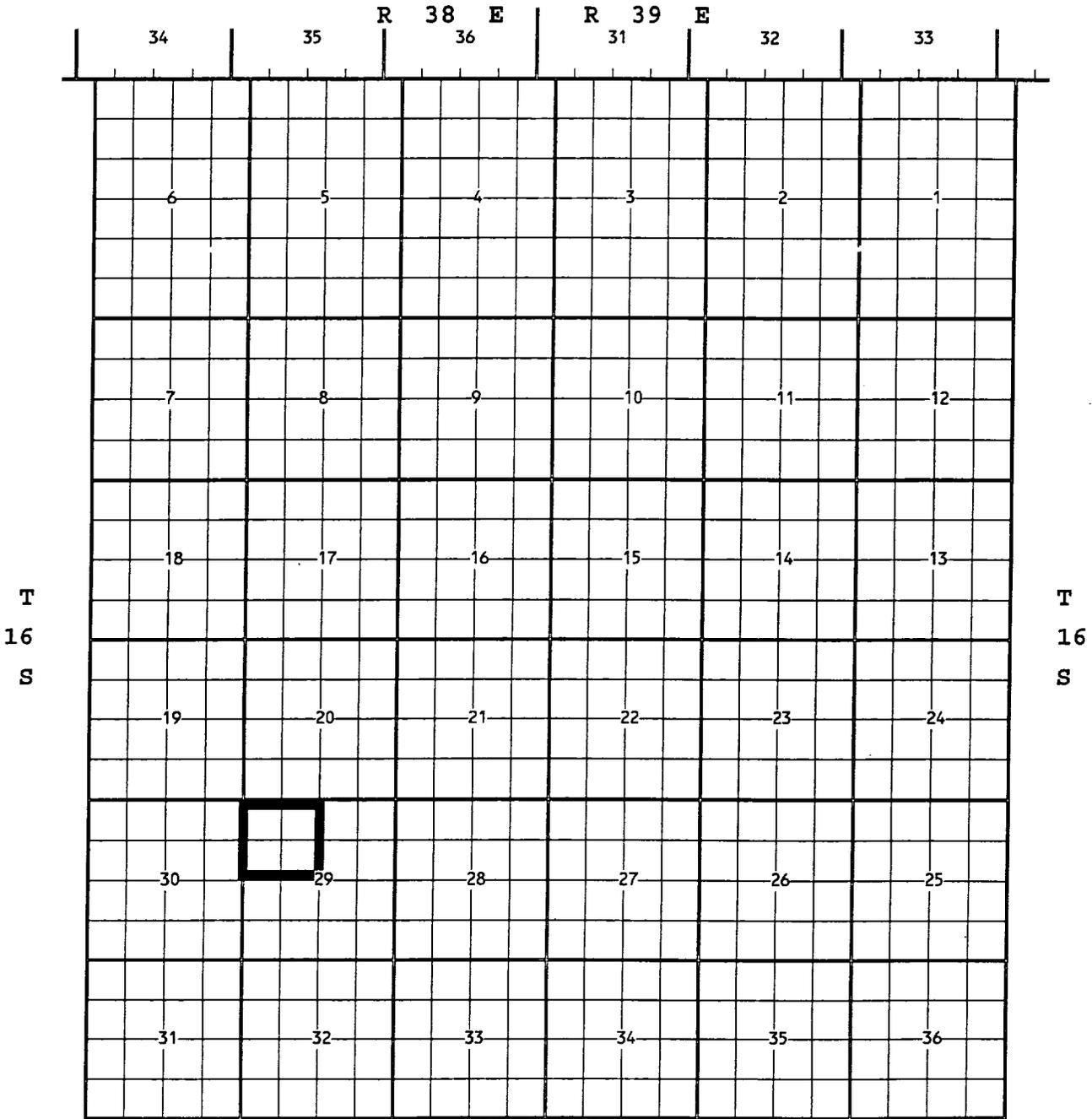
COUNTY: LEA

POOL: GARRETT; ABO, EAST

TOWNSHIP: 16 SOUTH

RANGE: 39 EAST

NMPM



R 39 E

PURPOSE: One completed oil well capable of producing.
BROWNING OIL COMPANY, INC., BYERS # 1, C-29-T16S-R39E, completed 11/05/1997, in the Abo Formation, top perfs 8271 ft.

Proposed pool boundry in bold outline. Township 16 Range 39 Section 29: NW/4

CASE NO. 12090 (g) CREATION OF AN OIL POOL

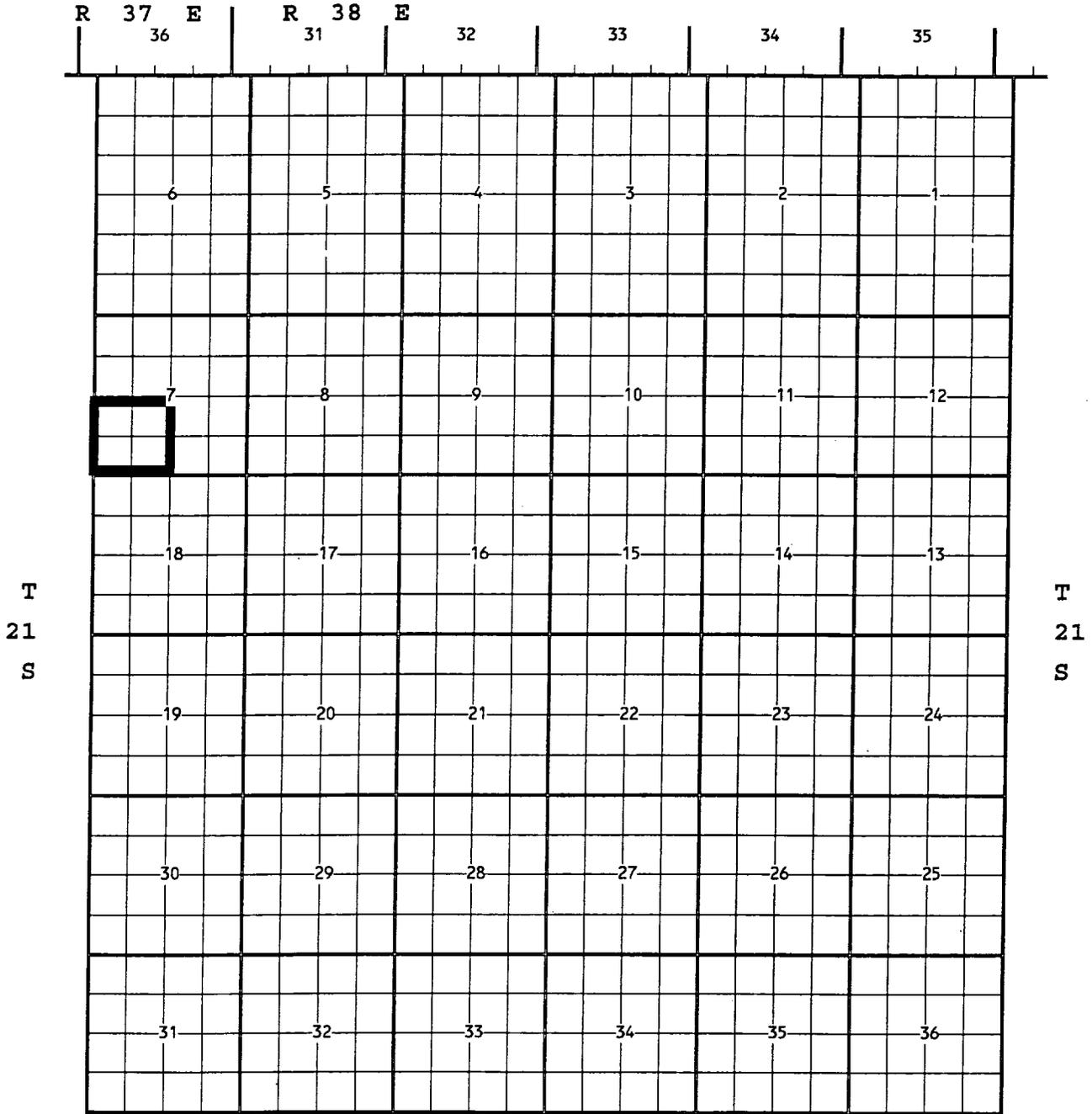
COUNTY: LEA

POOL: HARE; SAN ANDRES, NORTHWEST

TOWNSHIP: 21 SOUTH

RANGE: 37 EAST

NMPM



R 37 E

PURPOSE: One completed oil well capable of producing.
CONOCO INC, DECK ESTATE 7 # 1, L-7-T21S-R37E, completed 04/13/1998, in the San Andres Formation,
top perms 4018 ft.

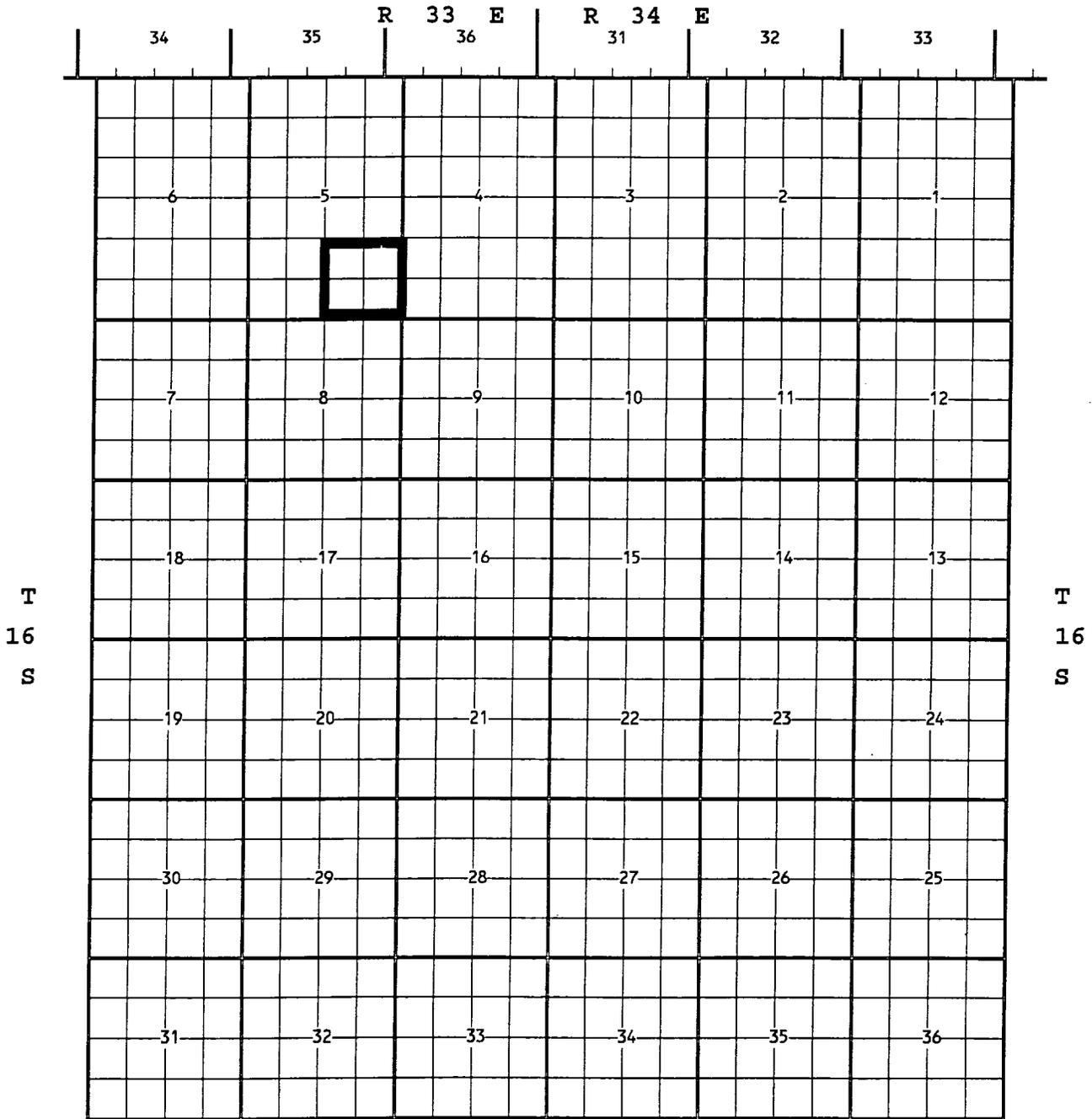
Proposed pool boundry in bold outline. Township 21 Range 37 Section 7 :SW/4

CASE NO. 12090 (h) CREATION OF AN OIL POOL

COUNTY: LEA

POOL: HUME; SAN ANDRES, NORTH

TOWNSHIP: 16 SOUTH RANGE: 34 EAST NMPM

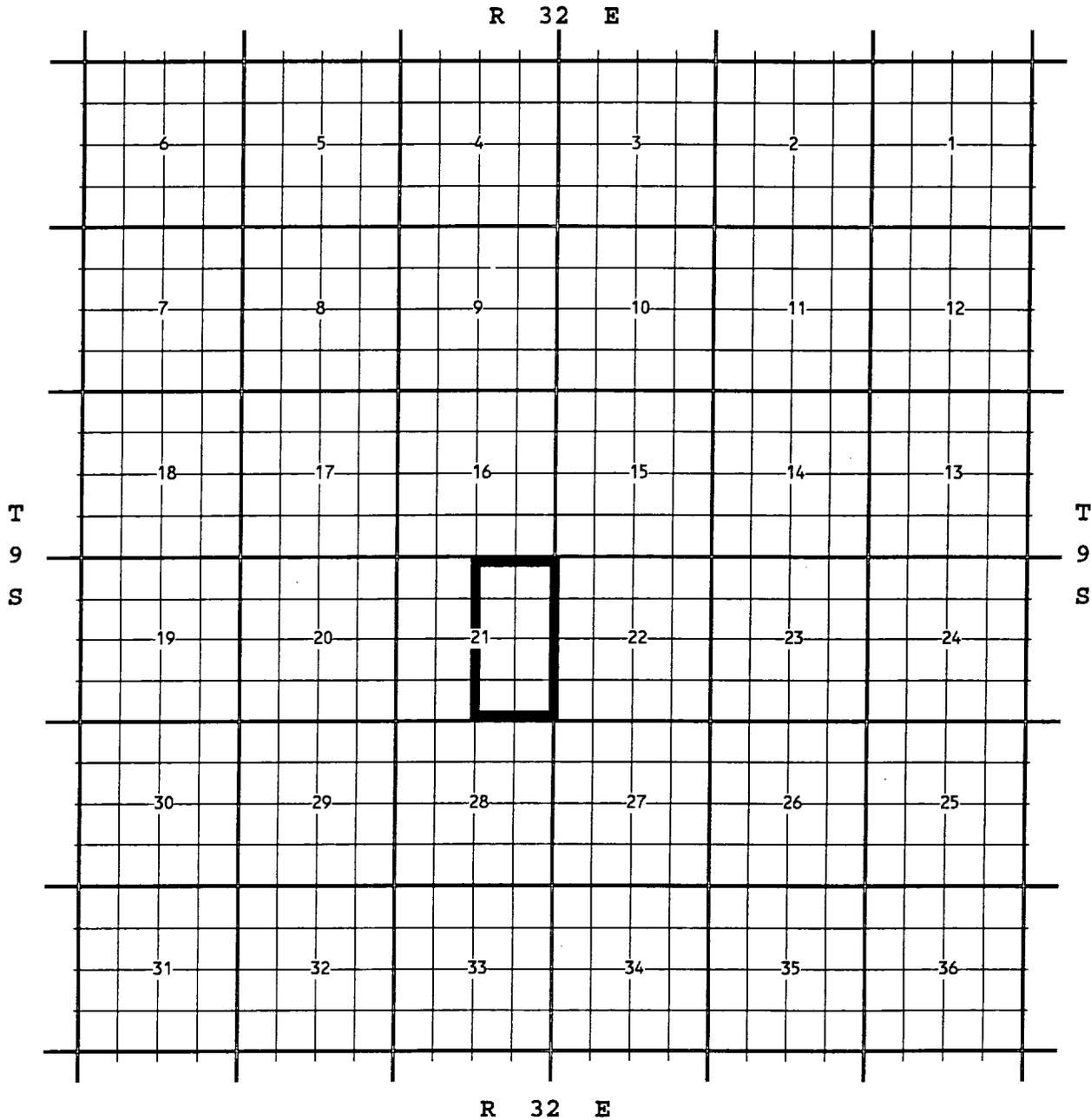


R 34 E

PURPOSE: One completed oil well capable of producing.
SANTA FE ENERGY RESOURCES INC, HUMBLE HUME 5 STATE # 1, W-5-T16S-R34E, completed 02/25/1998,
in the San Andres Formation, top perms 4984 ft.

Proposed pool boundry in bold outline. Township 16 Range 34 Section 5 : SE/4

CASE NO. 12090 (i) CREATION OF A GAS POOL
COUNTY: LEA POOL: S.R.R.;ATOKA (GAS)
TOWNSHIP: 9 SOUTH RANGE: 32 EAST NMPM



PURPOSE: One completed gas well capable of producing.
YATES PETROLEUM CORPORATION, BUFFALO WILLOW LA COM # 1, H-21-T9S-R32E, completed 10/21/1997,
in the Atoka Formation, top perms 11242 ft.

Proposed pool boundry in bold outline. Township 9 Range 32 Section 21: E/2

CASE NO. 12090 (j) CREATION OF AN OIL POOL

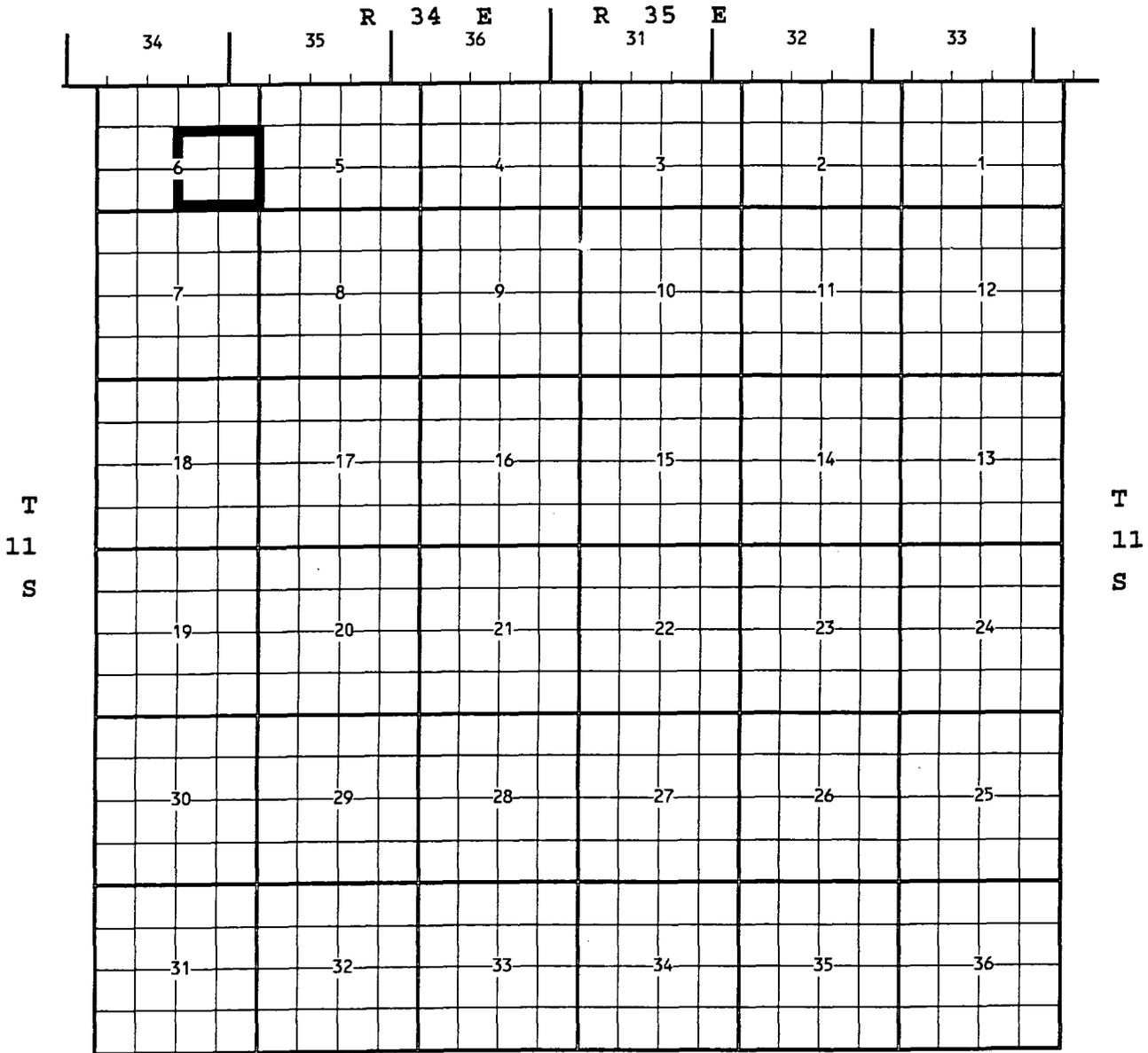
COUNTY: LEA

POOL: SAND SPRINGS; ABO

TOWNSHIP: 11 SOUTH

RANGE: 35 EAST

NMPM



R 35 E

PURPOSE: One completed oil well capable of producing.
MANZANO OIL CORP, SNAKE EYES STATE # 1, I-6-T11S-R35E, completed 04/01/1998, in the Abo Formation,
top perfs 9086 ft.

Proposed pool boundary in bold outline. Township 11 Range 35 Section **6**: SE/4

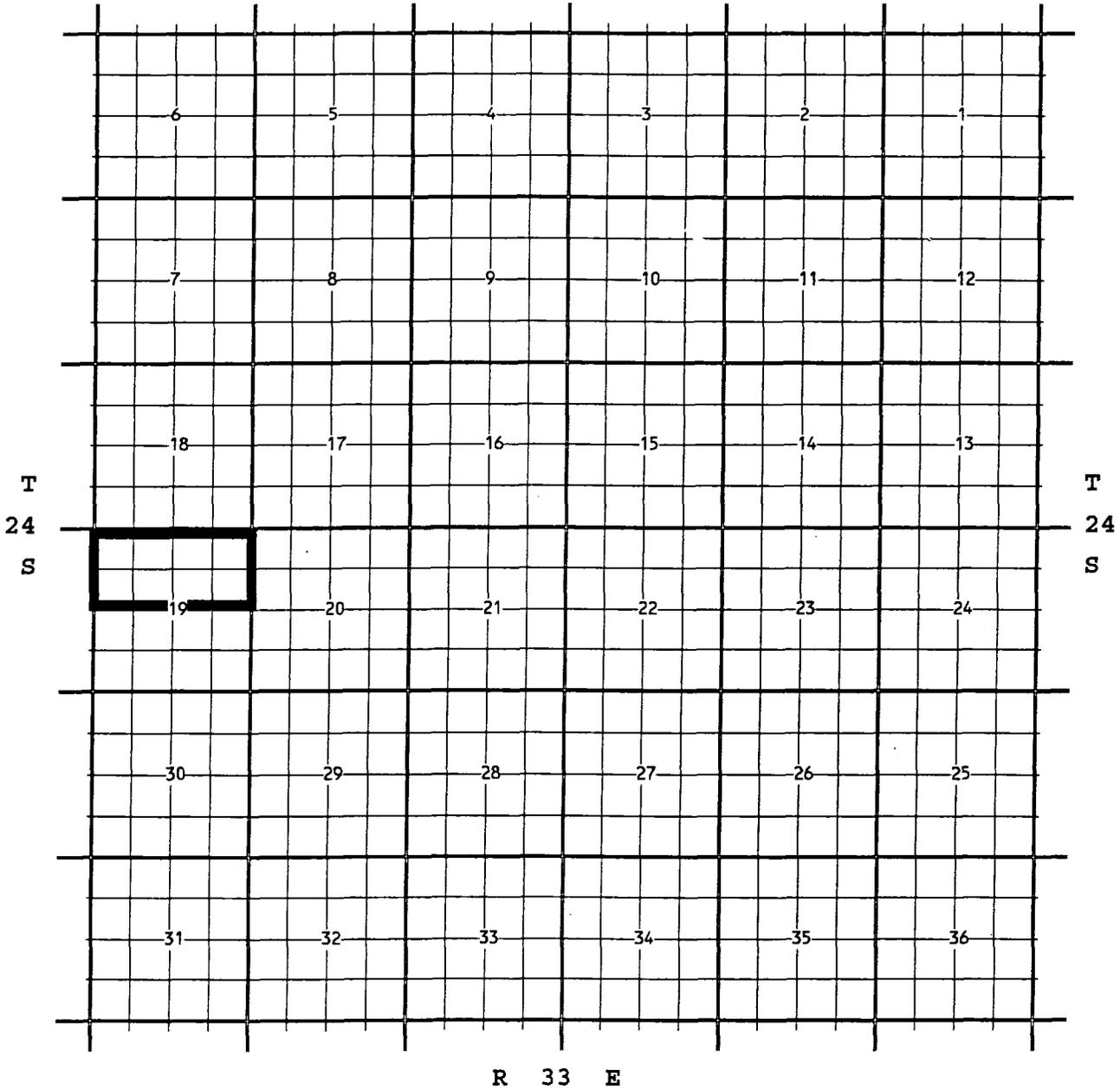
CASE NO. 12090 (k) CREATION OF A GAS POOL

COUNTY: LEA

POOL: TRISTE DRAW;MORROW, EAST (GAS)

TOWNSHIP: 24 SOUTH RANGE: 33 EAST NMPM

R 33 E



PURPOSE: One completed gas well capable of producing.
COBRA OIL & GAS CORPORATION, STATE 19 # 1, G-19-T24S-R33E, completed 09/25/1997, in the Morrow Formation,
top perms 15174 ft.

Proposed pool boundry in bold outline. Township 24 Range 33 Section 19: N/2

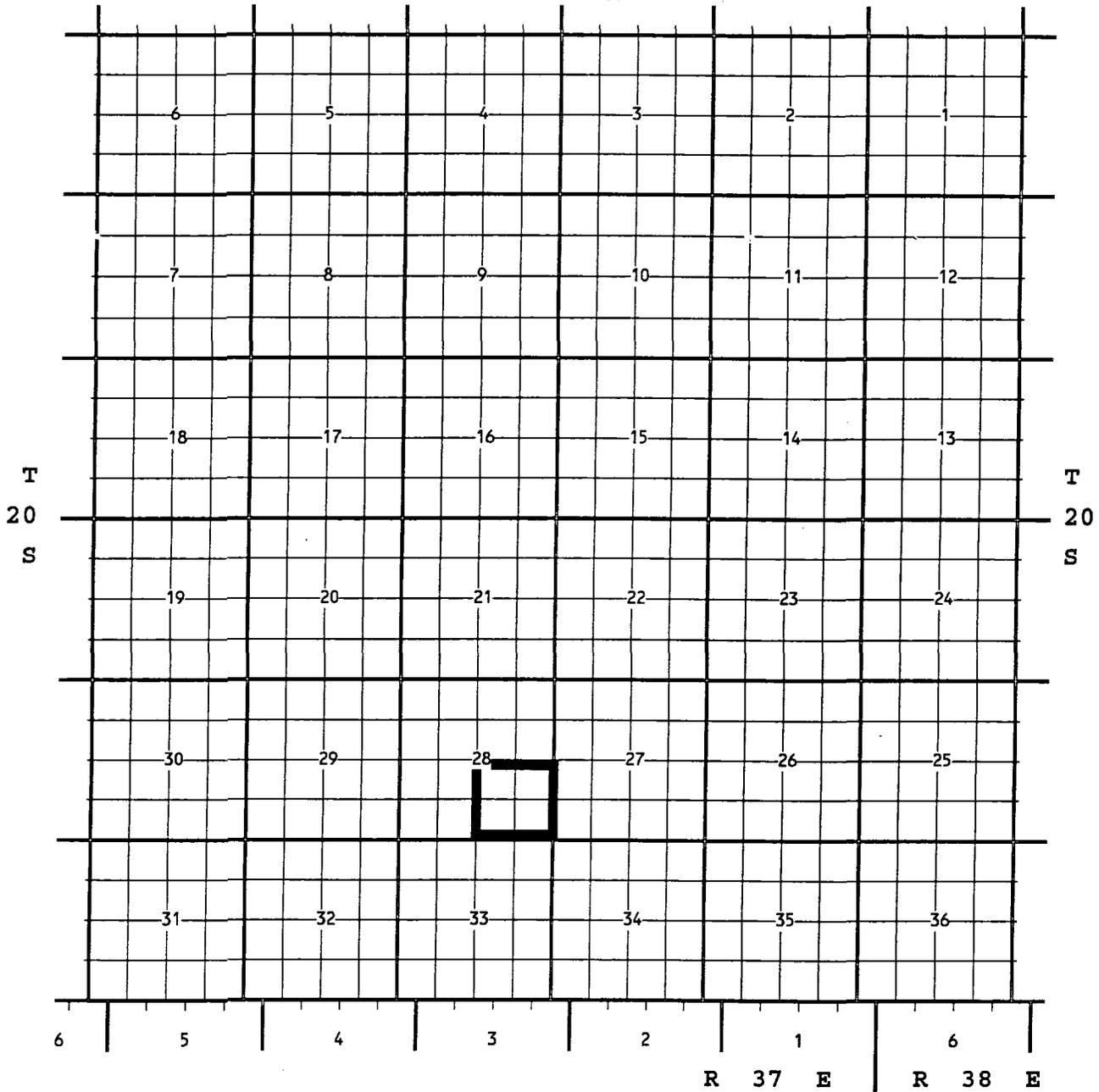
CASE NO. 12090 (1) CREATION OF A GAS POOL

COUNTY: LEA

POOL: WARREN;SEVEN RIVERS (GAS)

TOWNSHIP: 20 SOUTH RANGE: 38 EAST NMPM

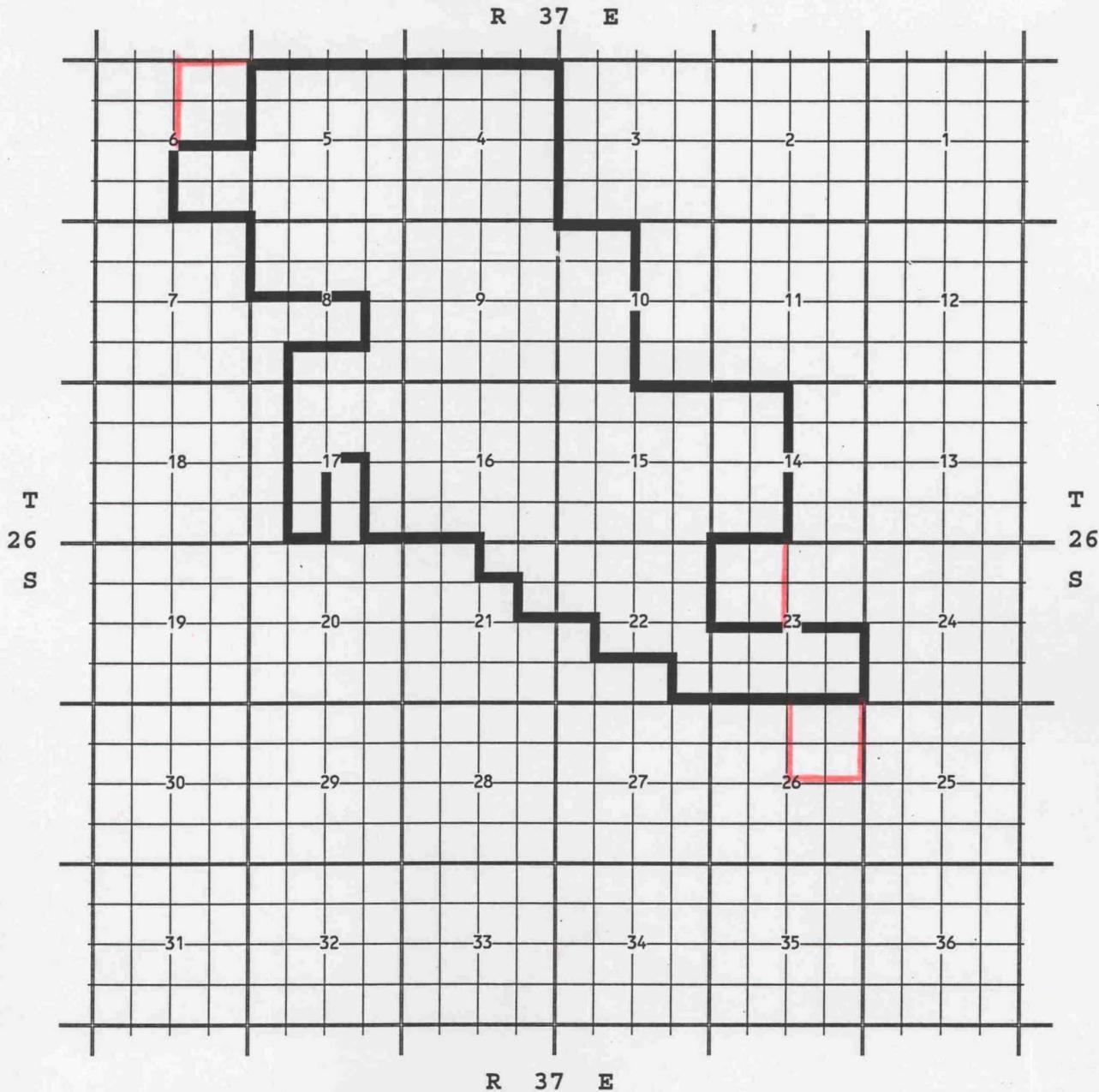
R 38 E



PURPOSE: One completed gas well capable of producing.
CONOCO INC, WARREN UNIT # 127, P-28-T20S-R38E, completed 04/18/1998, in the Seven Rivers Formation,
top perfs 3027 ft.

Proposed pool boundry in bold outline. Township 20 Range 38 Section 28: SE/4

CASE NO. 12090 (N) EXTENSION OF AN EXISTING GAS POOL
 COUNTY: LEA POOL: RHODES;YATES-SEVEN RIVERS (GAS)
 TOWNSHIP: 26 SOUTH RANGE: 37 EAST NMPM



PURPOSE: Three completed gas well capable of producing.
 GRUY PETROLEUM MANAGEMENT CO., C W SHEPHERD A FEDERAL # 2, H-6-T26S-R37E, completed 07/14/1992, in the Yates Formation, top perfs 2798 ft.
 PERMOK OIL INC, LEONARD BROTHERS A # 2, D-23-T26S-R37E, completed 02/11/1995, in the Yates Formation, top perfs 2866 ft.
 GRUY PETROLEUM MANAGEMENT CO., RHODES FEDERAL UNIT # 261, B-26-T26S-R37E, completed 06/26/1995, in the Yates Formation, top perfs 2917 ft.

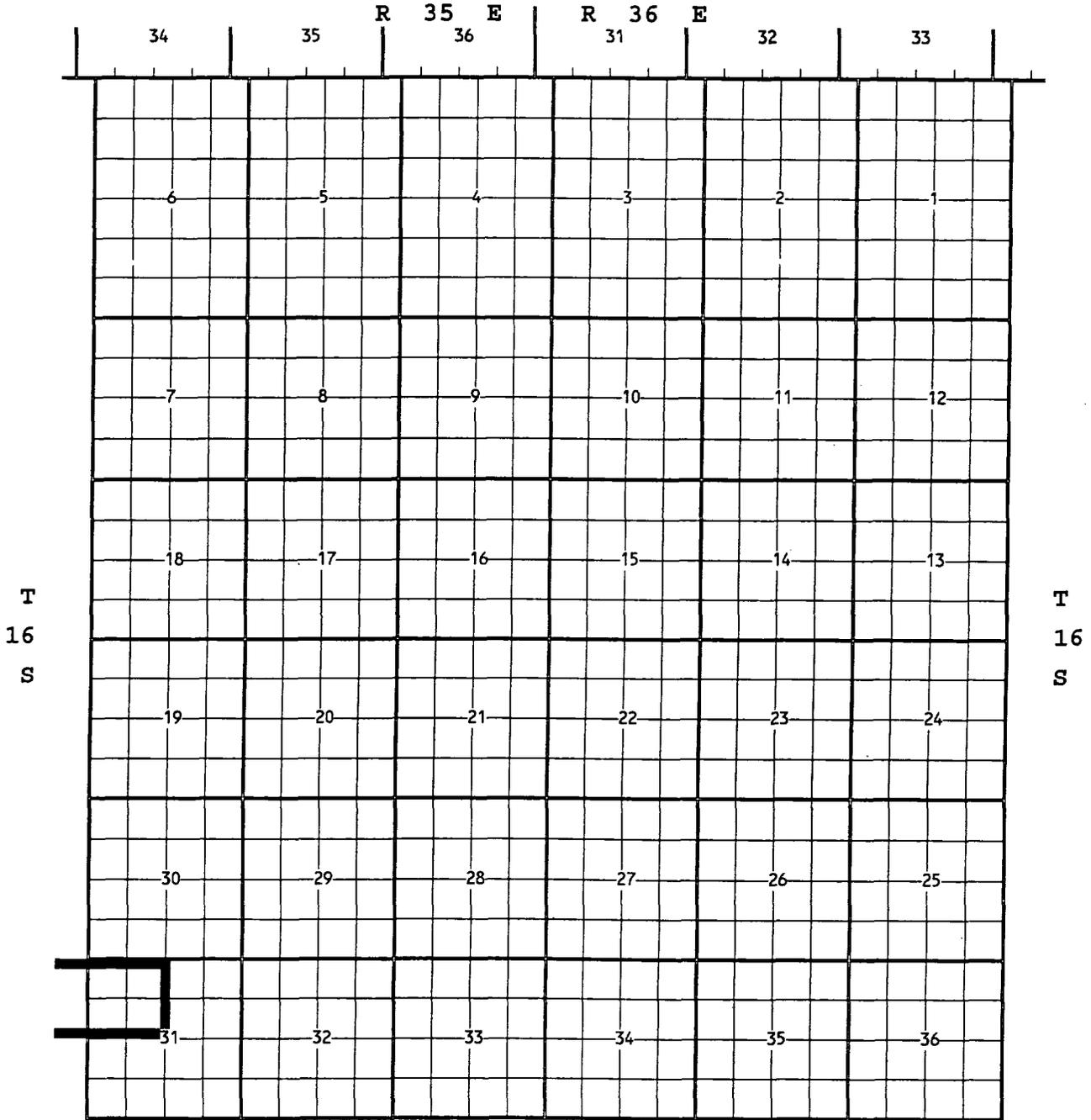
Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 26 Range 37 Section 6 : NE/4
 Township 26 Range 37 Section 26: NE/4
 Township 26 Range 37 Section 23: NW/4

CASE NO. 12090 (O) RECLASSIFY VERTICAL LIMITS OF EXISTING OIL POOL

COUNTY: LEA

POOL: SHOE BAR; PENN ~~TO~~ SHOE BAR; UPPER PENN

TOWNSHIP: 16 SOUTH RANGE: 36 EAST NMPM

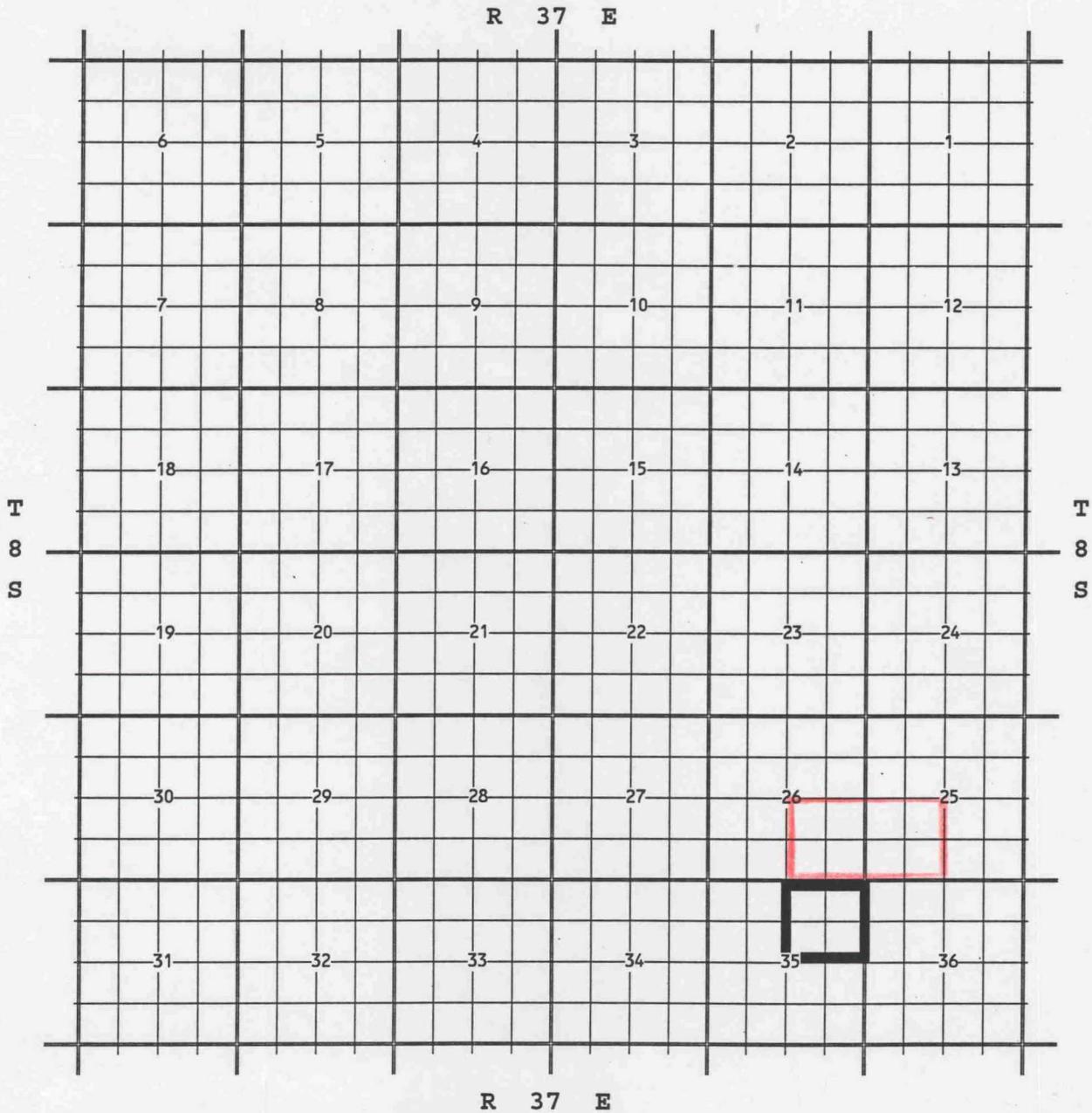


R 36 E

PURPOSE: Pool is reclassified to reflect vertical limits of pool.

Pool boundry in bold outline.

CASE NO. 12090 (P) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: ROOSEVELT POOL: BLUITT; SAN ANDRES, SOUTH
 TOWNSHIP: 8 SOUTH RANGE: 37 EAST NMPM

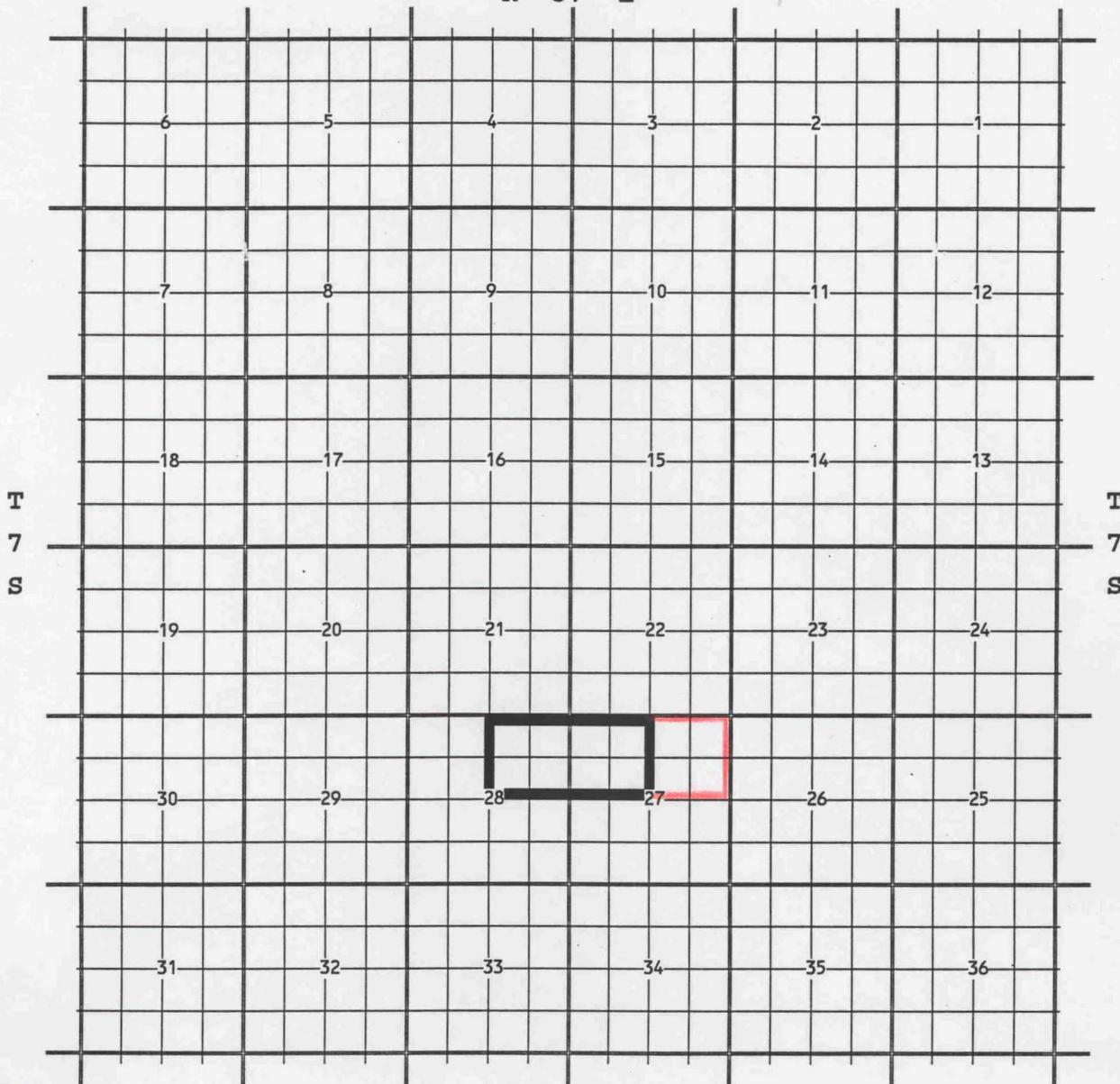


PURPOSE: One completed oil well capable of producing.
 UMC PETROLEUM CORP, RUSHMORE FEDERAL # 1, K-25-T8S-R37E, completed 04/07/1998, in the San Andres Formation,
 top perfs 4930 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 8 Range 37 Section 25: SW/4
 Township 8 Range 37 Section 26: SE/4

CASE NO. 12090 (Q) EXTENSION OF AN EXISTING OIL POOL
COUNTY: ROOSEVELT POOL: BLUITT; SILURO DEVONIAN, NORTH
TOWNSHIP: 7 SOUTH RANGE: 37 EAST NMPM

R 37 E

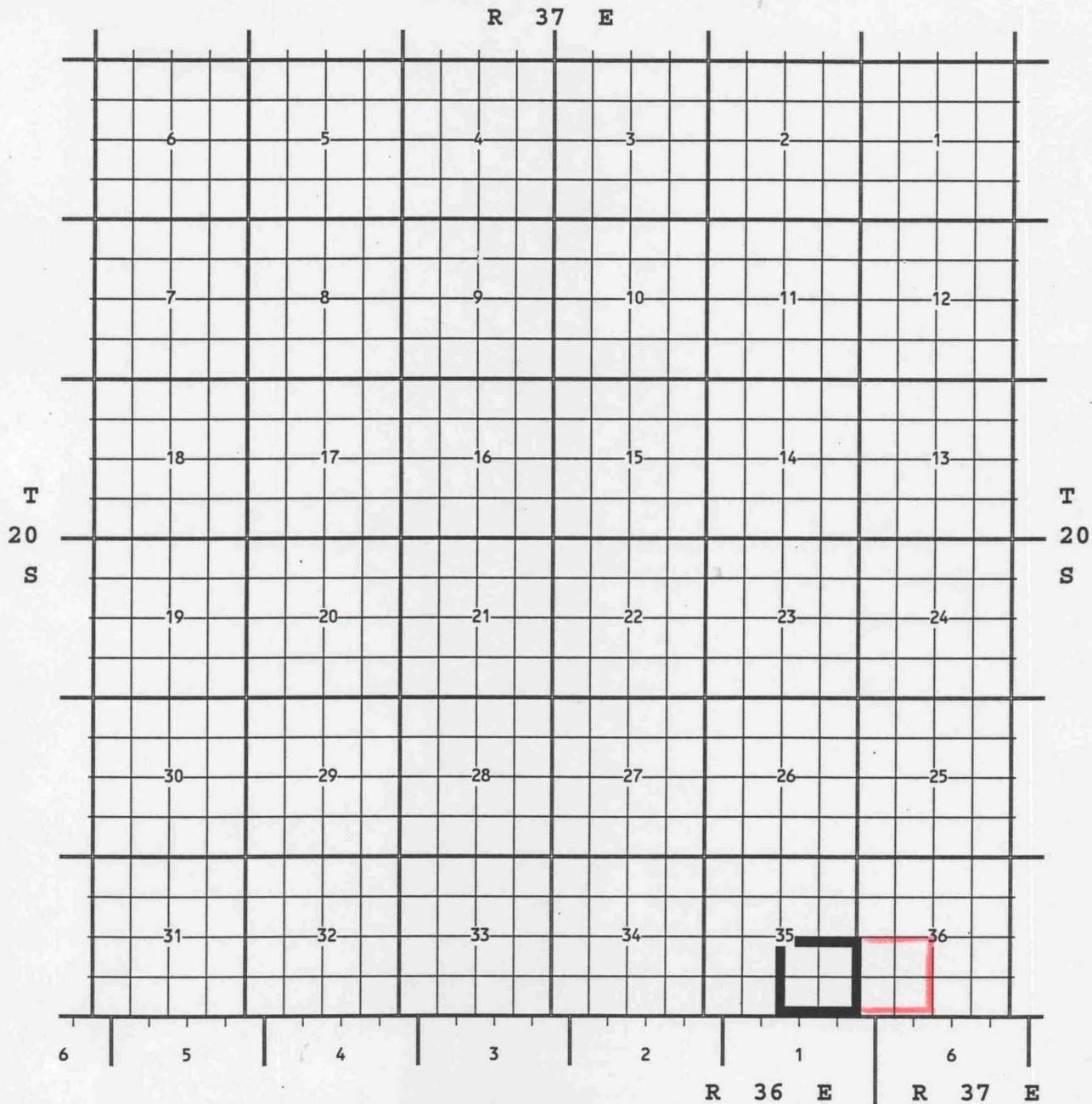


R 37 E

PURPOSE: One completed oil well capable of producing.
H L BROWN JR, FEDERAL 27 A # 2, G-27-T7S-R37E, completed 08/30/1997, in the Devonian Formation,
top perfs 8942 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 7 Range 37 Section 27: NE/4

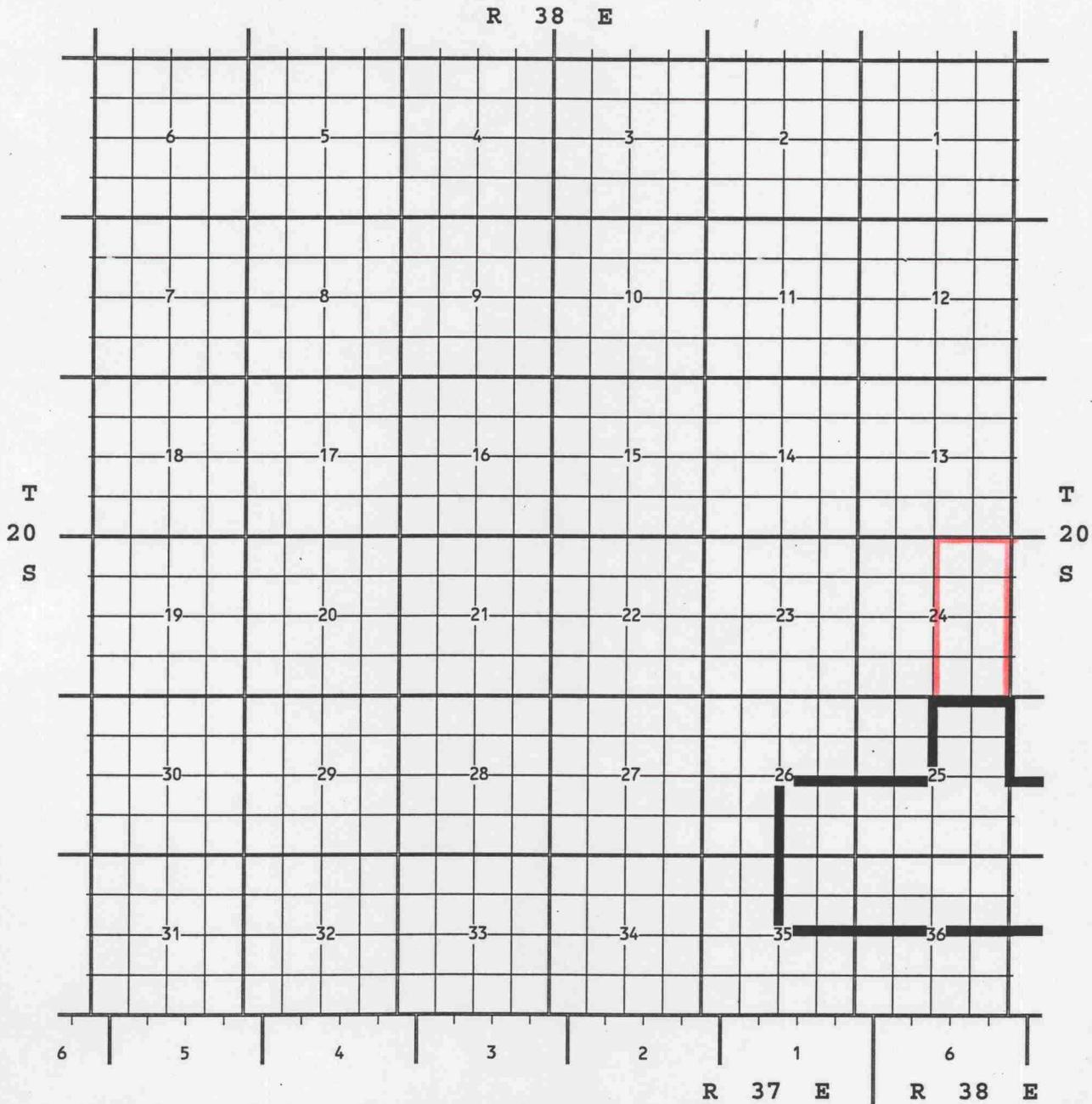
CASE NO. 12090 (A) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: CASS; STRAWN, SOUTH
 TOWNSHIP: 20 SOUTH RANGE: 37 EAST NMPM



PURPOSE: One completed oil well capable of producing.
 CONOCO INC, HARDY 36 STATE # 21, L-36-T20S-R37E, completed 10/11/1997, in the Strawn Formation,
 top perfs 7708 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 20 Range 37 Section 36: SW/4

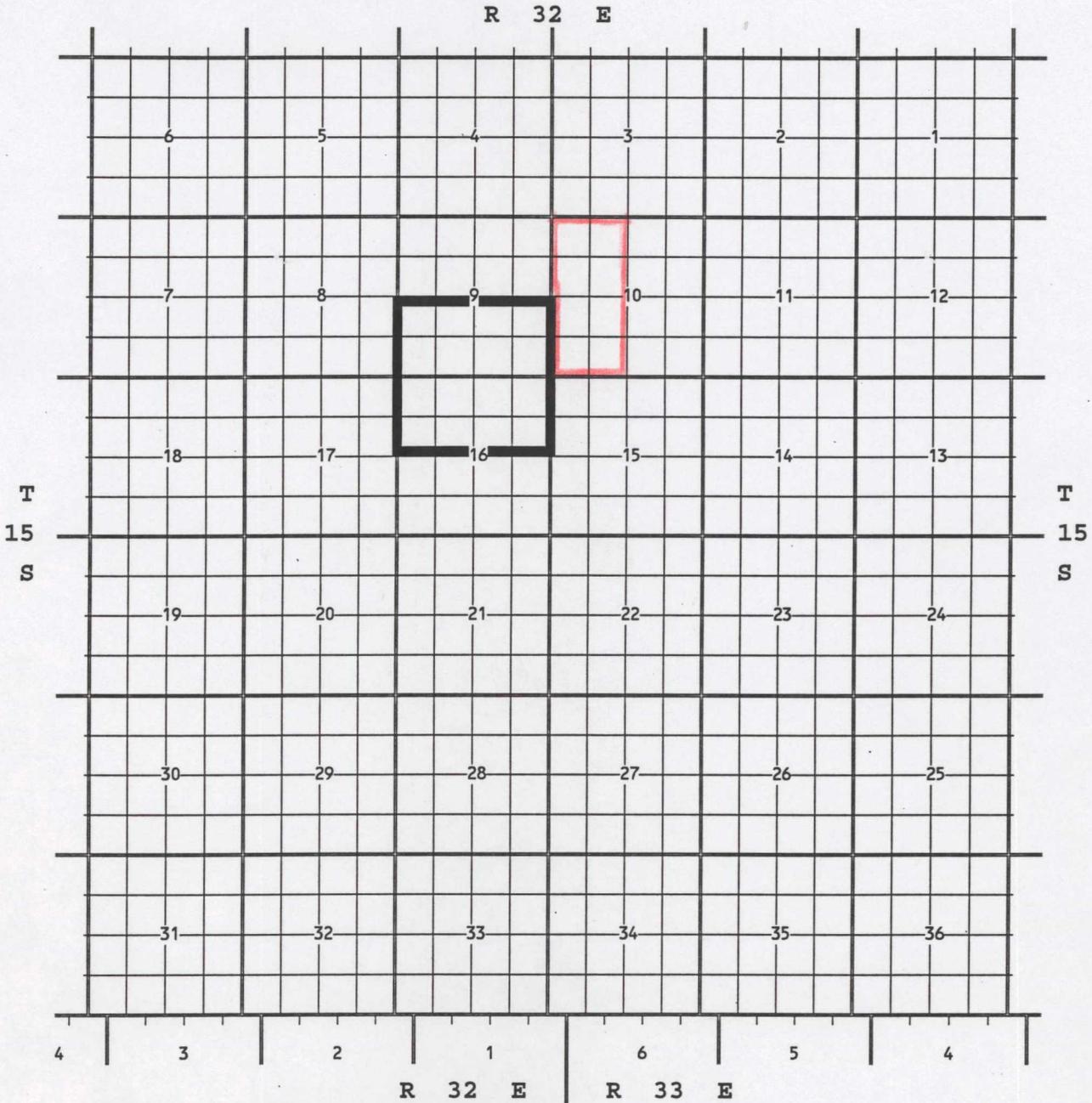
CASE NO. 12090 (S) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: D-K;ABO
 TOWNSHIP: 20 SOUTH RANGE: 38 EAST NMPM



PURPOSE: Two completed oil well capable of producing.
 STEVENS & TULL INC, FEDERAL 24 # 3, O-24-T20S-R38E, completed 01/08/1998, in the Abo Formation,
 top perfs 7302 ft.
 FALCON CREEK RESOURCES, INC., TERRY # 1, G-24-T20S-R38E, completed 02/07/1998, in the Abo Formation,
 top perfs 7258 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 20 Range 38 Section 24: E/2

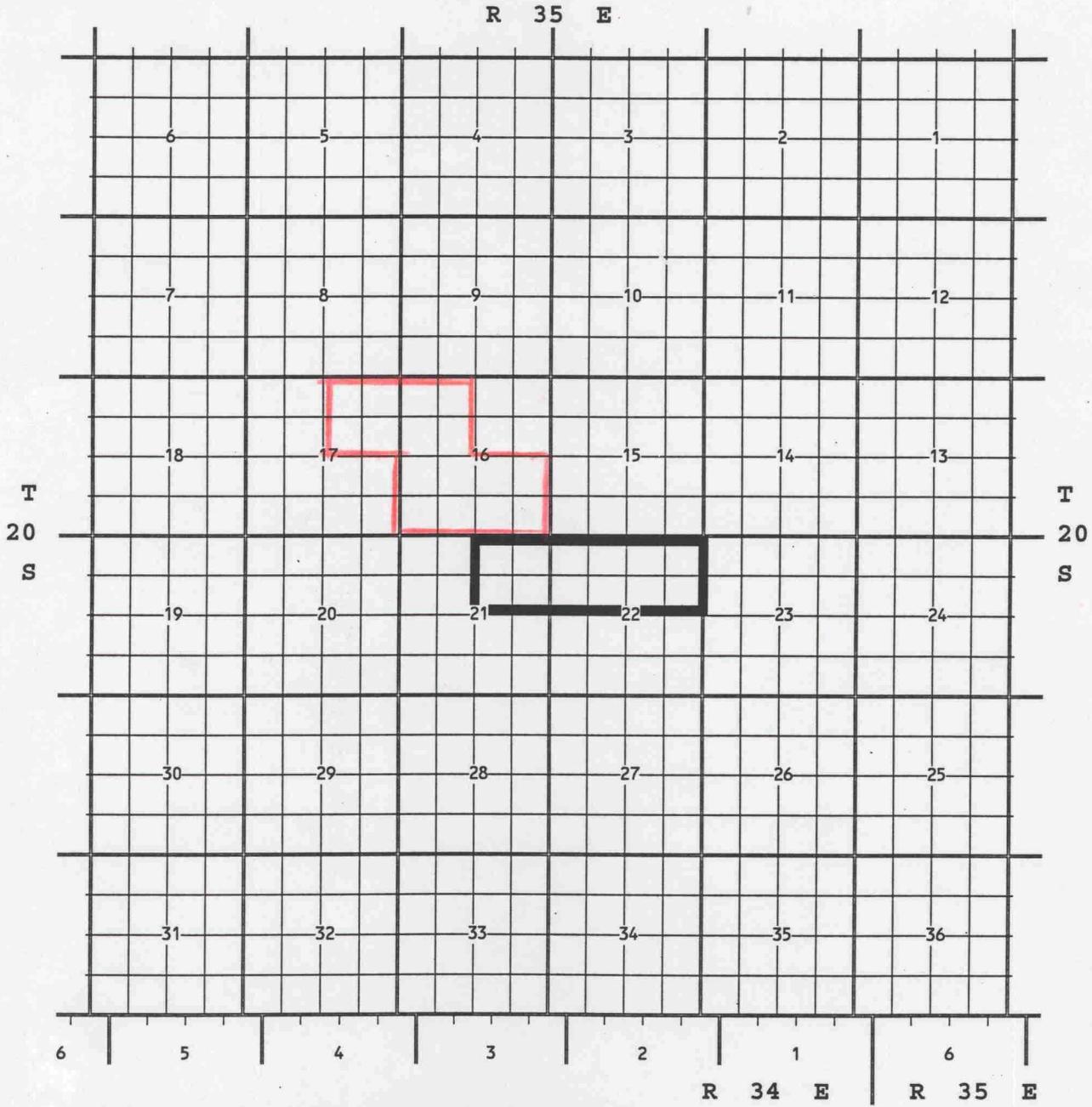
CASE NO. 12090 (T) EXTENSION OF AN EXISTING GAS POOL
 COUNTY: LEA POOL: FEATHER;MORROW, NORTH (GAS)
 TOWNSHIP: 15 SOUTH RANGE: 32 EAST NMPM



PURPOSE: One completed gas well capable of producing.
 YATES PETROLEUM CORPORATION, PLUMA ASD STATE COM # 1, L-10-T15S-R32E, completed 03/27/1998,
 in the Morrow Formation, top perfs 12381 ft.

Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 15 Range 32 Section 10: W/2

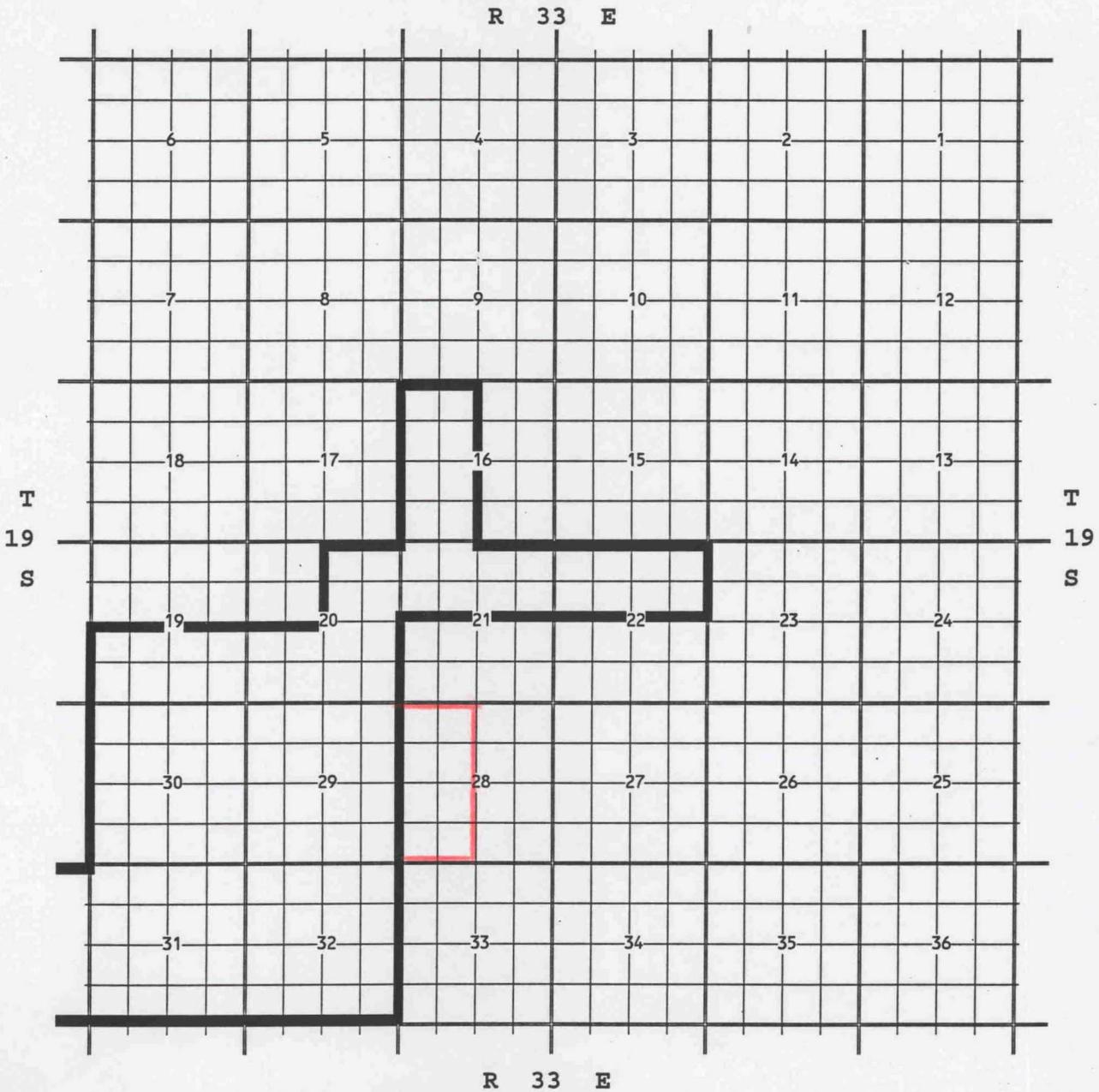
CASE NO. 12090 (U) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: FEATHERSTONE; BONE SPRING
 TOWNSHIP: 20 SOUTH RANGE: 35 EAST NMPM



PURPOSE: One completed oil well capable of producing.
 MANZANO OIL CORP, APPLESEED FEDERAL # 1, H-17-T20S-R35E, completed 05/07/1998, in the Bone Spring Formation,
 top perfs 10448 ft.

Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 20 Range 35 Section 16: S/2, NW/4
 Township 20 Range 35 Section 17: NE/4

CASE NO. 12090 (W) EXTENSION OF AN EXISTING GAS POOL
 COUNTY: LEA POOL: GEM;MORROW (GAS)
 TOWNSHIP: 19 SOUTH RANGE: 33 EAST NMPM



PURPOSE: One completed gas well capable of producing.
 NEARBURG PRODUCING CO, MADURO FEDERAL UNIT # 5, F-28-T19S-R33E, completed 03/26/1998,
 in the Morrow Formation, top perfs 13403 ft.

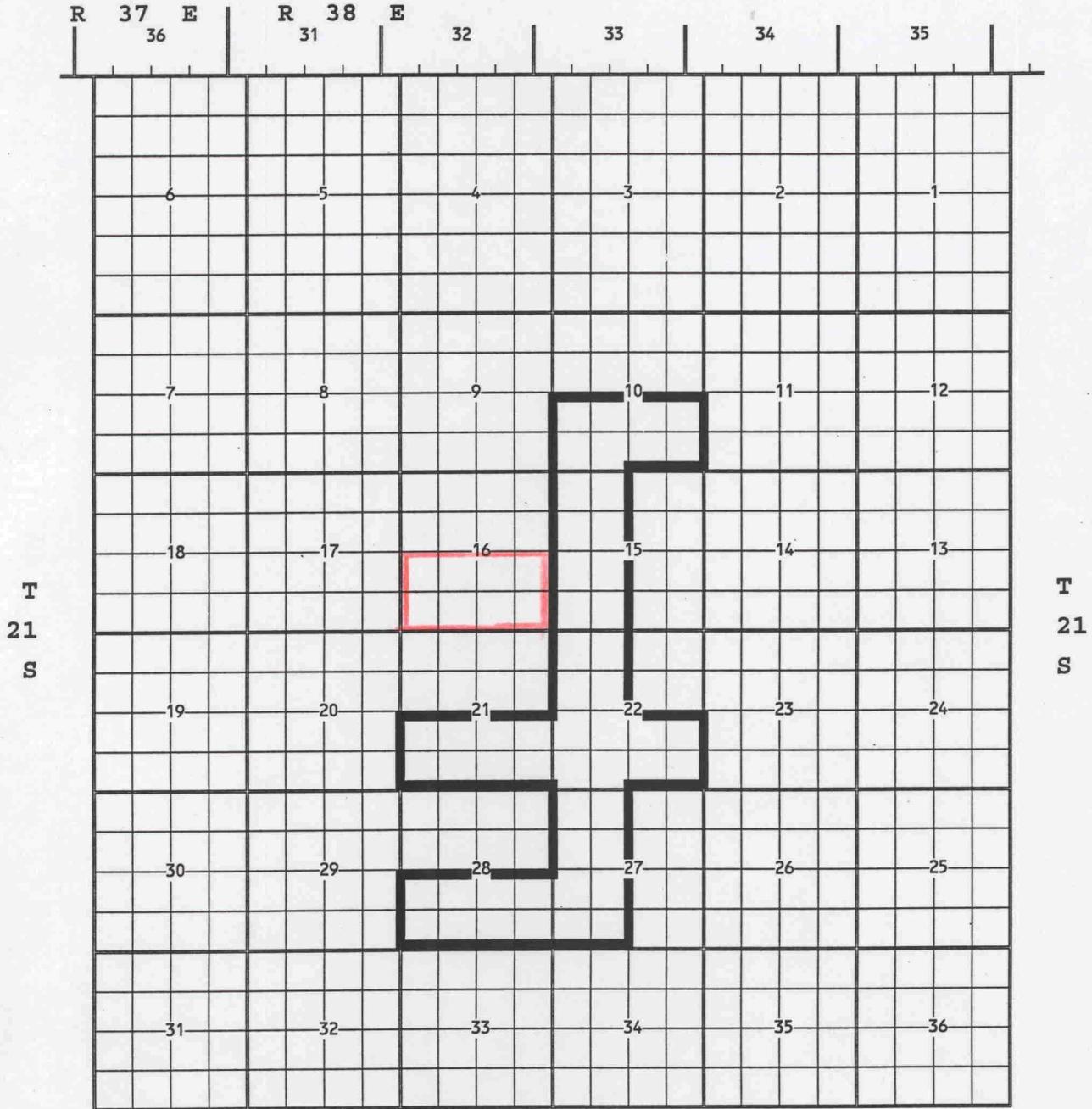
Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 19 Range 33 Section 28: W/2

CASE NO. 12090 (X) EXTENSION OF AN EXISTING GAS POOL

COUNTY: LEA

POOL: HARE; SAN ANDRES (GAS)

TOWNSHIP: 21 SOUTH RANGE: 37 EAST NMPM



R 37 E

PURPOSE: One completed gas well capable of producing.
COLLINS & WARE INC, STATE DA # 6, L-16-T21S-R37E, completed 01/22/1998, in the San Andres Formation,
top perfs 3905 ft.

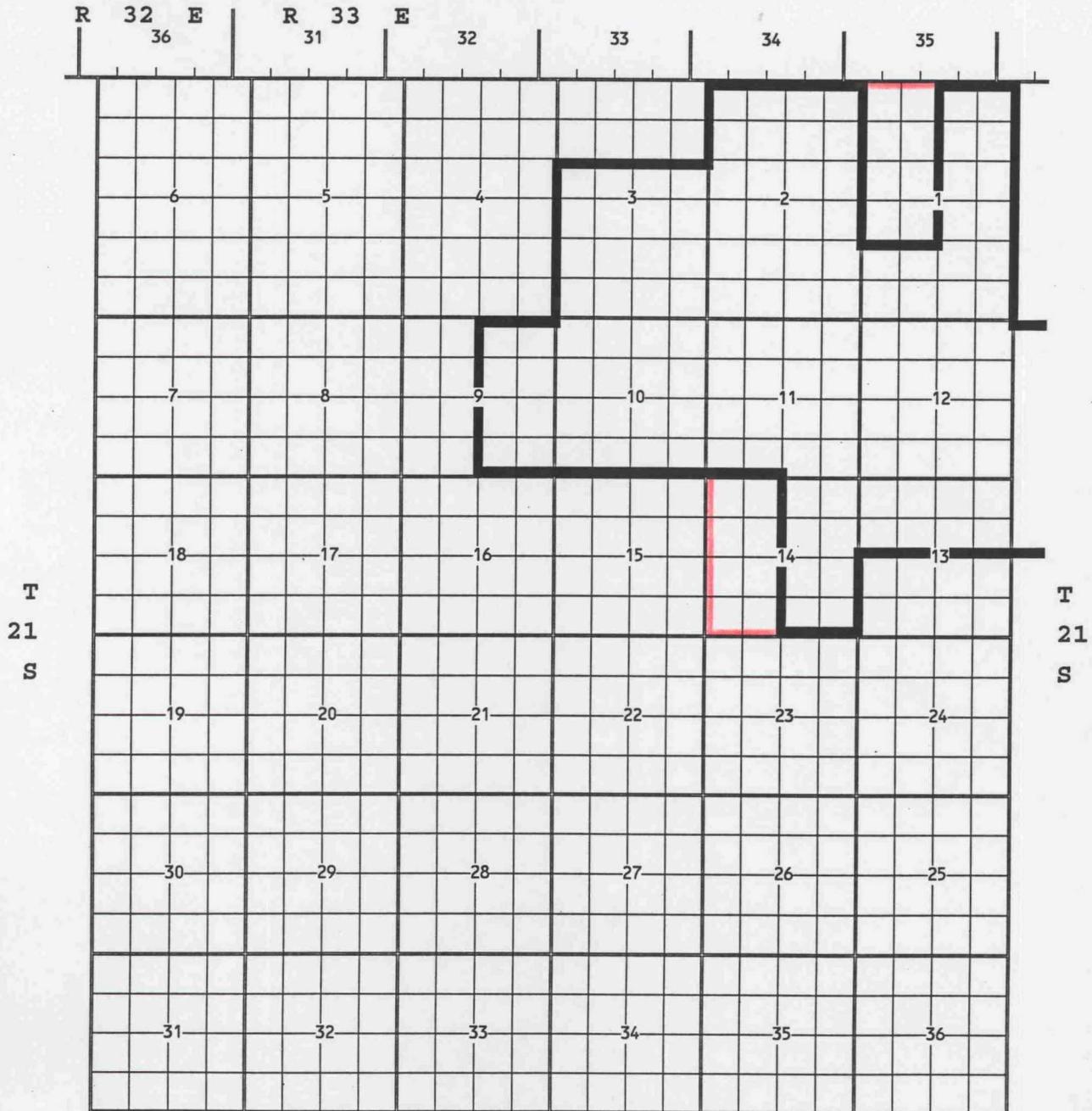
Pool boundry in bold outline.
Proposed pool extension outline in red. Township 21 Range 37 Section 16: S/2

CASE NO. 12090 (Y) EXTENSION OF AN EXISTING GAS POOL

COUNTY: LEA

POOL: HAT MESA; MORROW (GAS)

TOWNSHIP: 21 SOUTH RANGE: 32 EAST NMPM

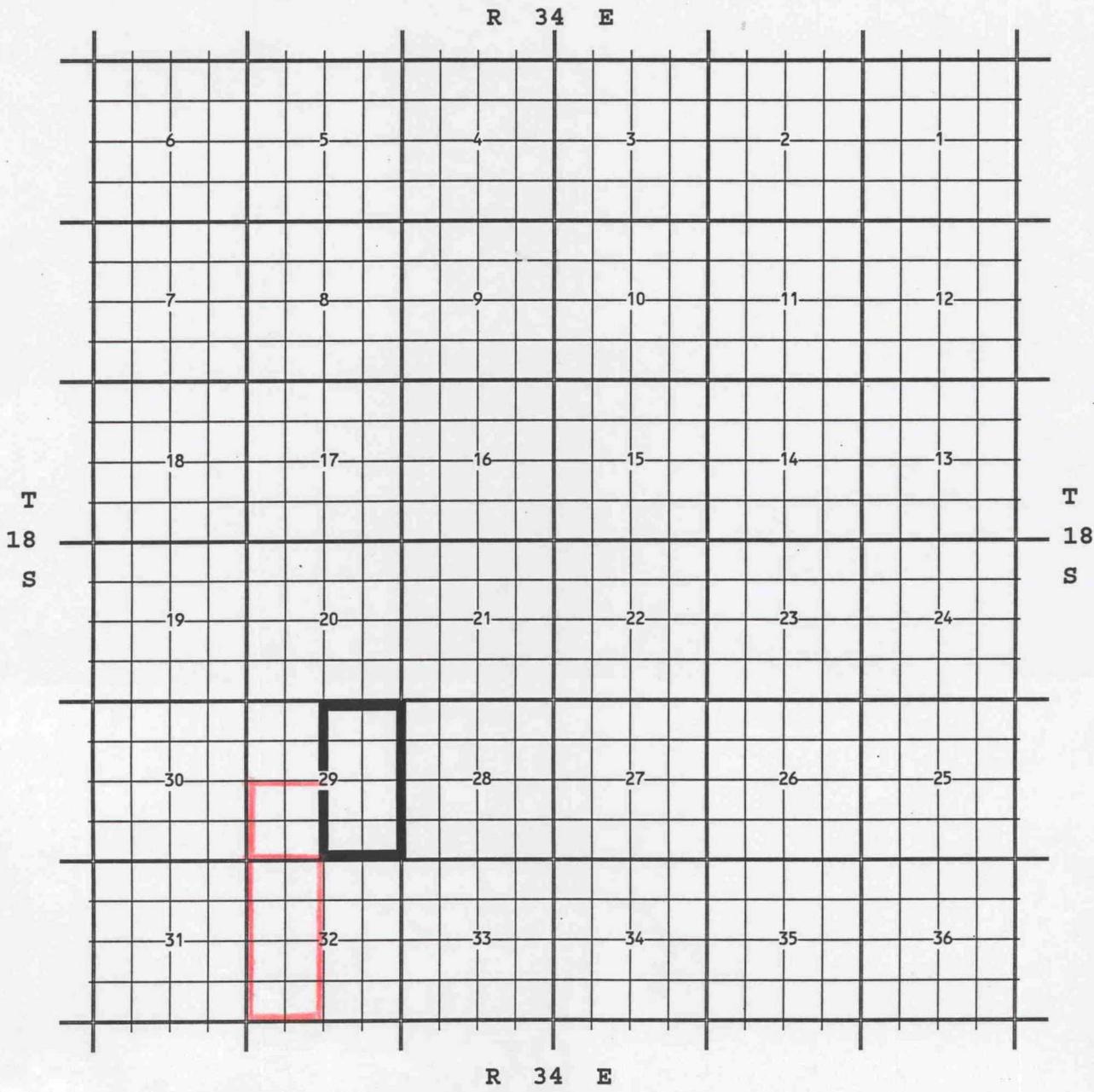


R 32 E

PURPOSE: Two completed gas well capable of producing.
NEARBURG PRODUCING CO, MINIS 1 FEDERAL COM # 3, L-1-T21S-R32E, completed 02/06/1998,
in the Morrow Formation, top perms 13936 ft.
NEARBURG PRODUCING CO, AZTEC 14 FEDERAL COM # 1, F-14-T21S-R32E, completed 10/20/1997,
in the Morrow Formation, top perms 14360 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 21 Range 32 Section 1 : LOTS 3-6,11-14
Township 21 Range 32 Section 14: W/2

CASE NO. 12090 (Z) EXTENSION OF AN EXISTING GAS POOL
 COUNTY: LEA POOL: LA RICA;MORROW, WEST (GAS)
 TOWNSHIP: 18 SOUTH RANGE: 34 EAST NMPM



PURPOSE: One completed gas well capable of producing.
 NEARBURG PRODUCING CO, WAPITI 32 STATE COM # 1, F-32-T18S-R34E, completed 03/27/1998,
 in the Morrow Formation, top perms 13496 ft.

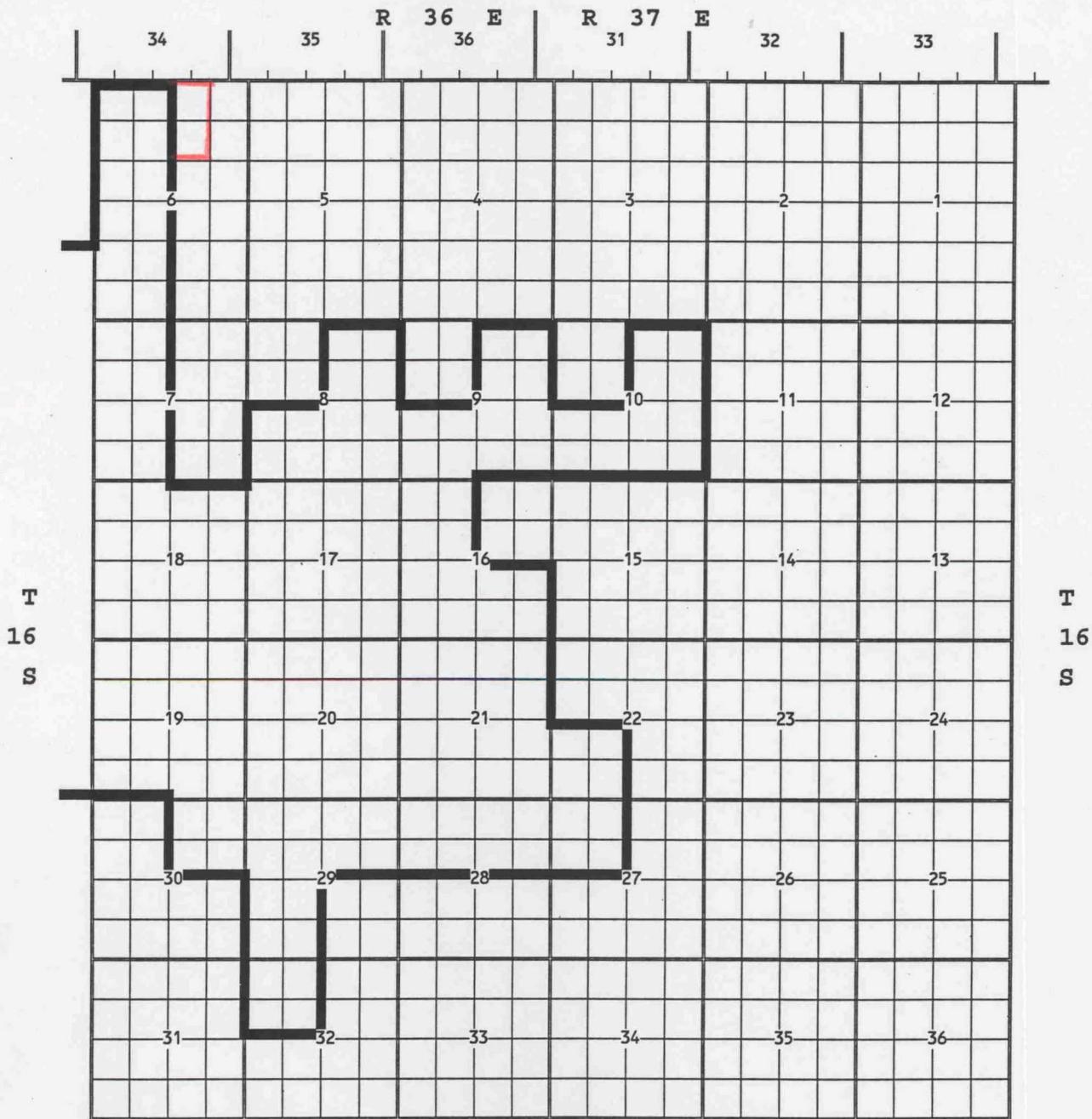
Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 18 Range 34 Section 29: SW/4
 Township 18 Range 34 Section 32: W/2

CASE NO. 12090 (aa) EXTENSION OF AN EXISTING OIL POOL

COUNTY: LEA

POOL: LOVINGTON; PENN, NORTHEAST

TOWNSHIP: 16 SOUTH RANGE: 37 EAST NMPM



R 37 E

PURPOSE: One completed oil well capable of producing.
CHESAPEAKE OPERATING, INC., LORENA 1 # 1, P-1-T16S-R36E, completed 01/23/1998, in the Strawn Formation,
top perfs 11576 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 16 Range 37 Section 6 : LOTS 2,7

CASE NO. 12090 (G.A.) EXTENSION OF AN EXISTING OIL POOL

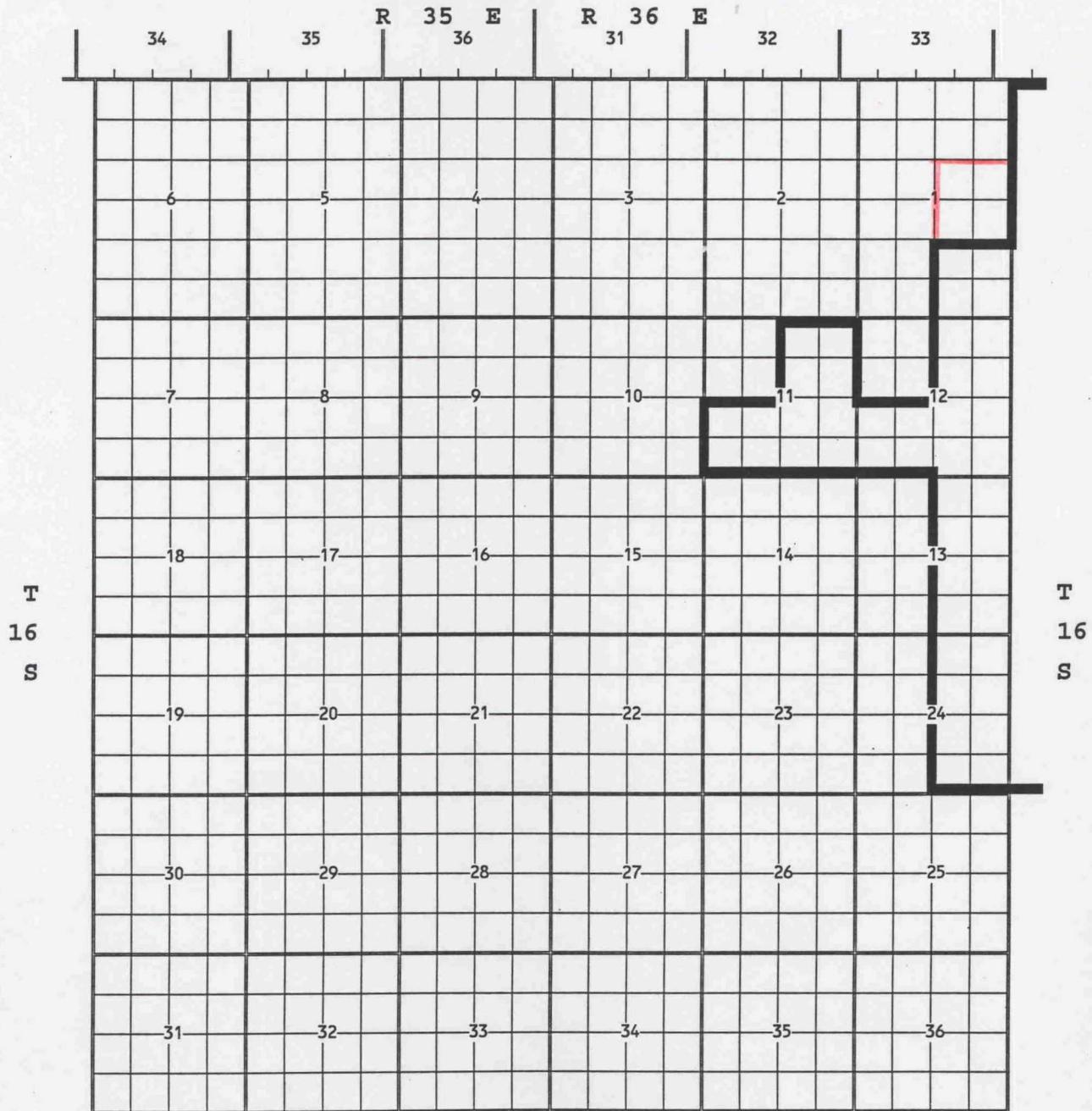
COUNTY: LEA

POOL: LOVINGTON; PENN, NORTHEAST

TOWNSHIP: 16 SOUTH

RANGE: 36 EAST

NMPM



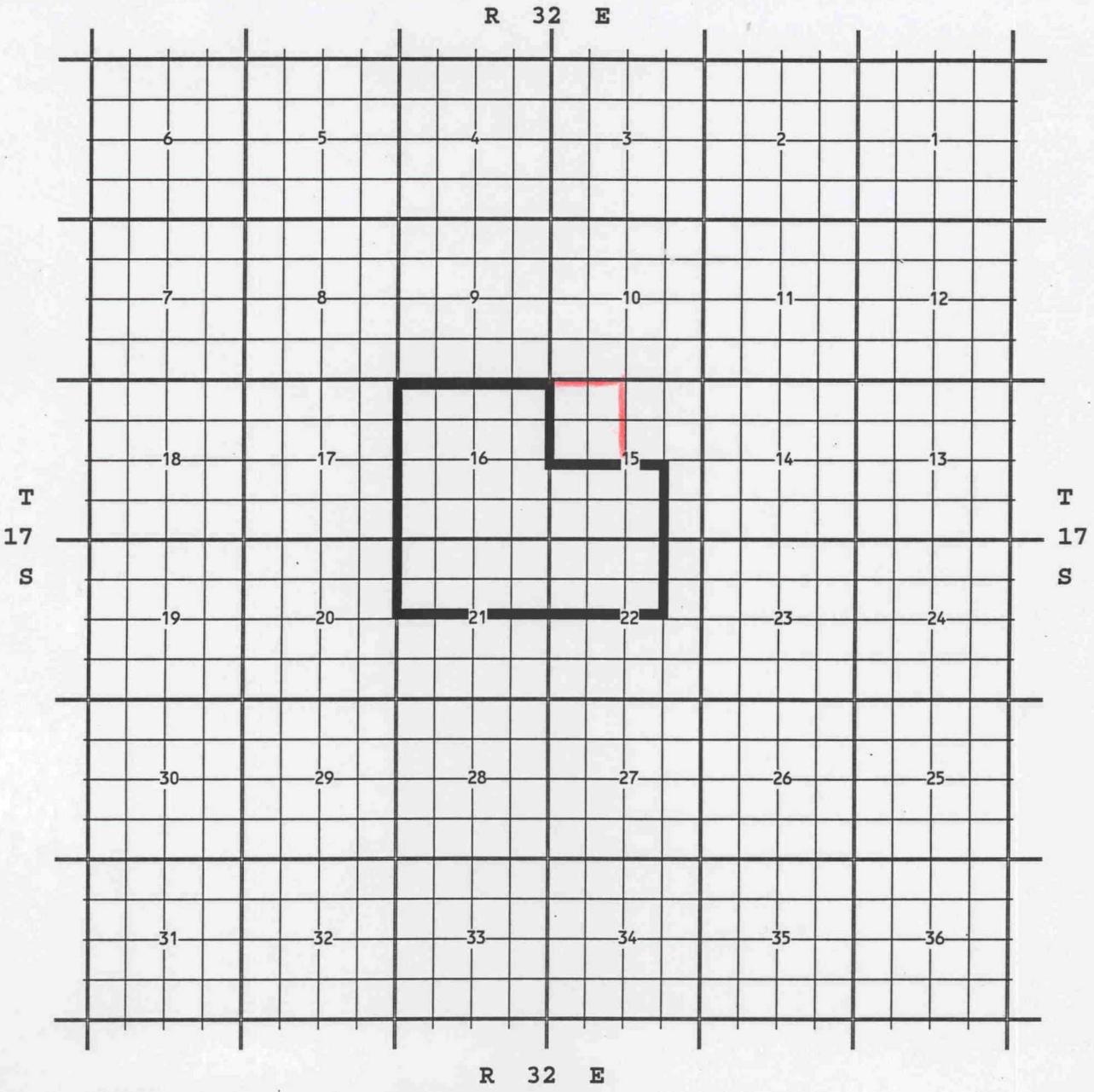
R 36 E

PURPOSE: One completed oil well capable of producing.
CHESAPEAKE OPERATING, INC., LORENA 1 # 1, P-1-T16S-R36E, completed 01/23/1998, in the Strawn Formation,
top perfs 11576 ft.

Pool boundry in bold outline.

Proposed pool extension outline in red. Township 16 Range 36 Section 1 : LOTS 9,10,15 & 16

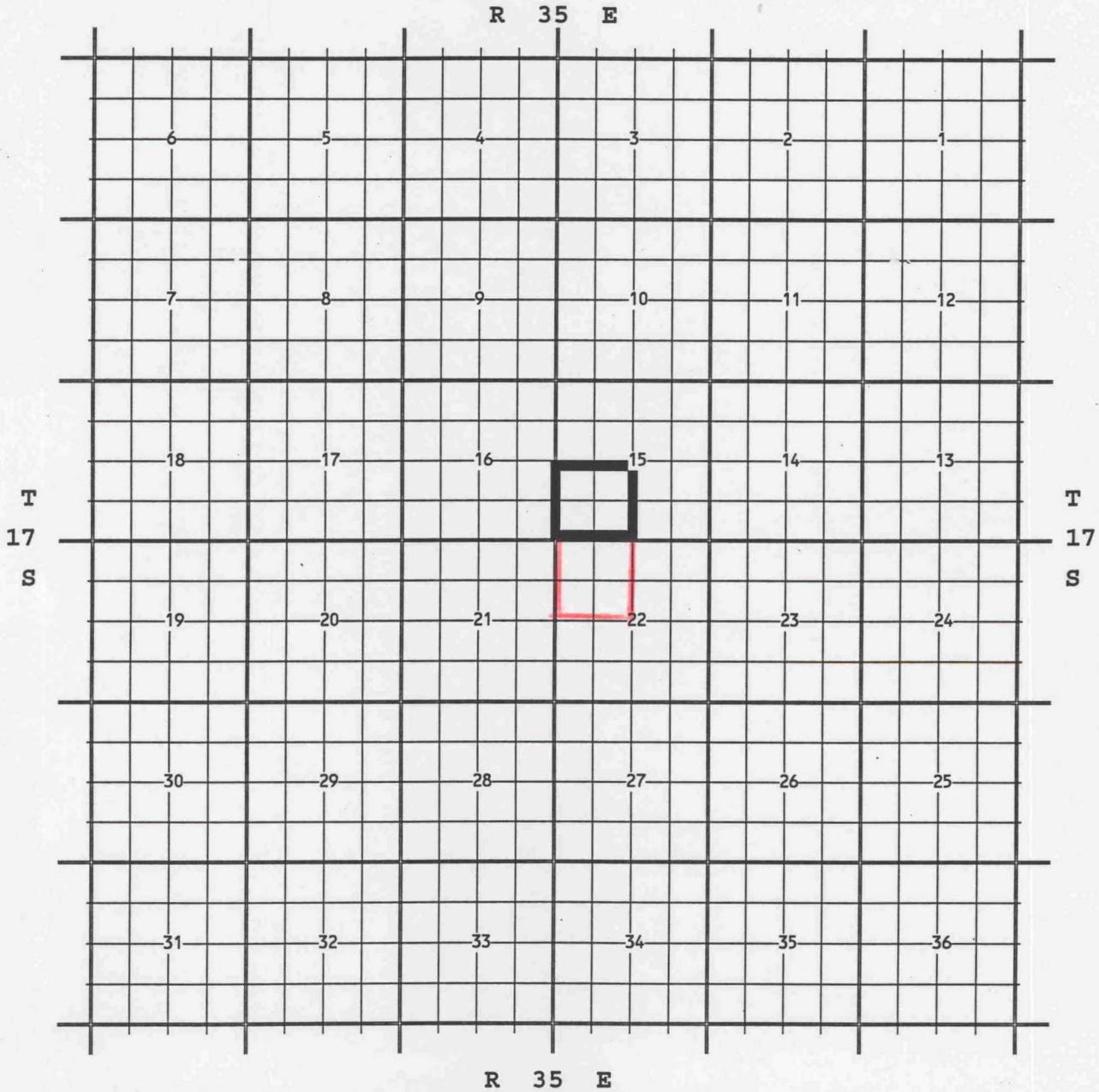
CASE NO. 12090 (bb) EXTENSION OF AN EXISTING GAS POOL
COUNTY: LEA POOL: MALJAMAR;QUEEN (GAS)
TOWNSHIP: 17 SOUTH RANGE: 32 EAST NMPM



PURPOSE: One completed gas well capable of producing.
LYNX PETROLEUM CONSULTANTS INC, LYNX FEDERAL # 2, E-15-T17S-R32E, completed 04/01/1998,
in the Queen Formation, top perms 3195 ft.

Pool boundary in bold outline.
Proposed pool extension outline in red. Township 17 Range 32 Section 15: NW/4

CASE NO. 12090 (CC) EXTENSION OF AN EXISTING OIL POOL
COUNTY: LEA POOL: MIDWAY; UPPER PENN, WEST
TOWNSHIP: 17 SOUTH RANGE: 35 EAST NMPM



PURPOSE: One completed oil well capable of producing.
PRIMERO OPERATING INC, STATE 22 # 1, D-22-T17S-R35E, completed 01/22/1998, in the Upper Penn Formation,
top perfs 10492 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 17 Range 35 Section 22: NW/4

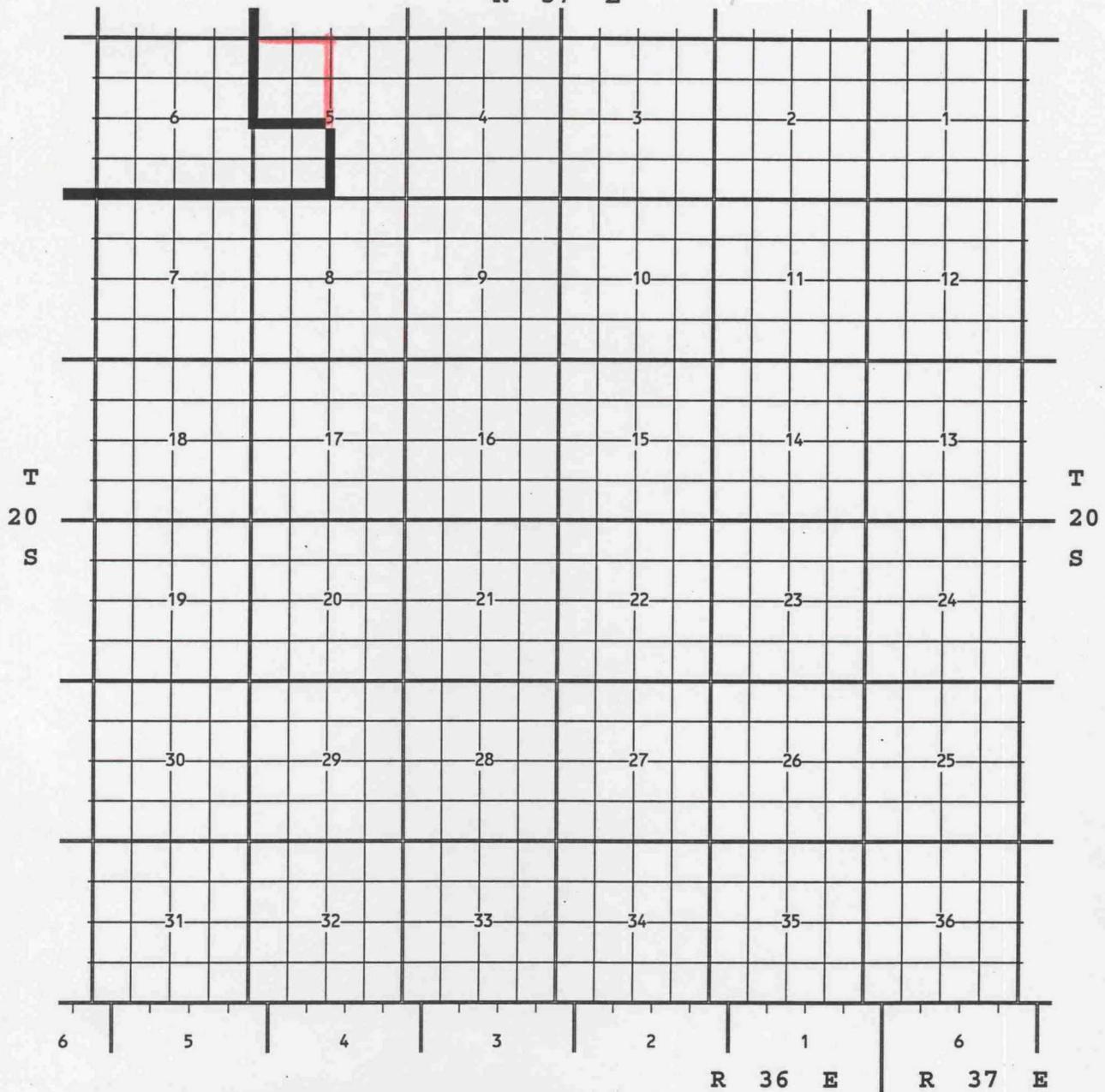
CASE NO. 12090 (dd) EXTENSION OF AN EXISTING OIL POOL

COUNTY: LEA

POOL: MONUMENT; ABO

TOWNSHIP: 20 SOUTH RANGE: 37 EAST NMPM

R 37 E



PURPOSE: One completed oil well capable of producing.
MARATHON OIL CO, BERTHA BARBER # 17, F-5-T20S-R37E, completed 02/03/1998, in the Abo Formation,
top perfs 7179 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 20 Range 37 Section 5 : NW/4

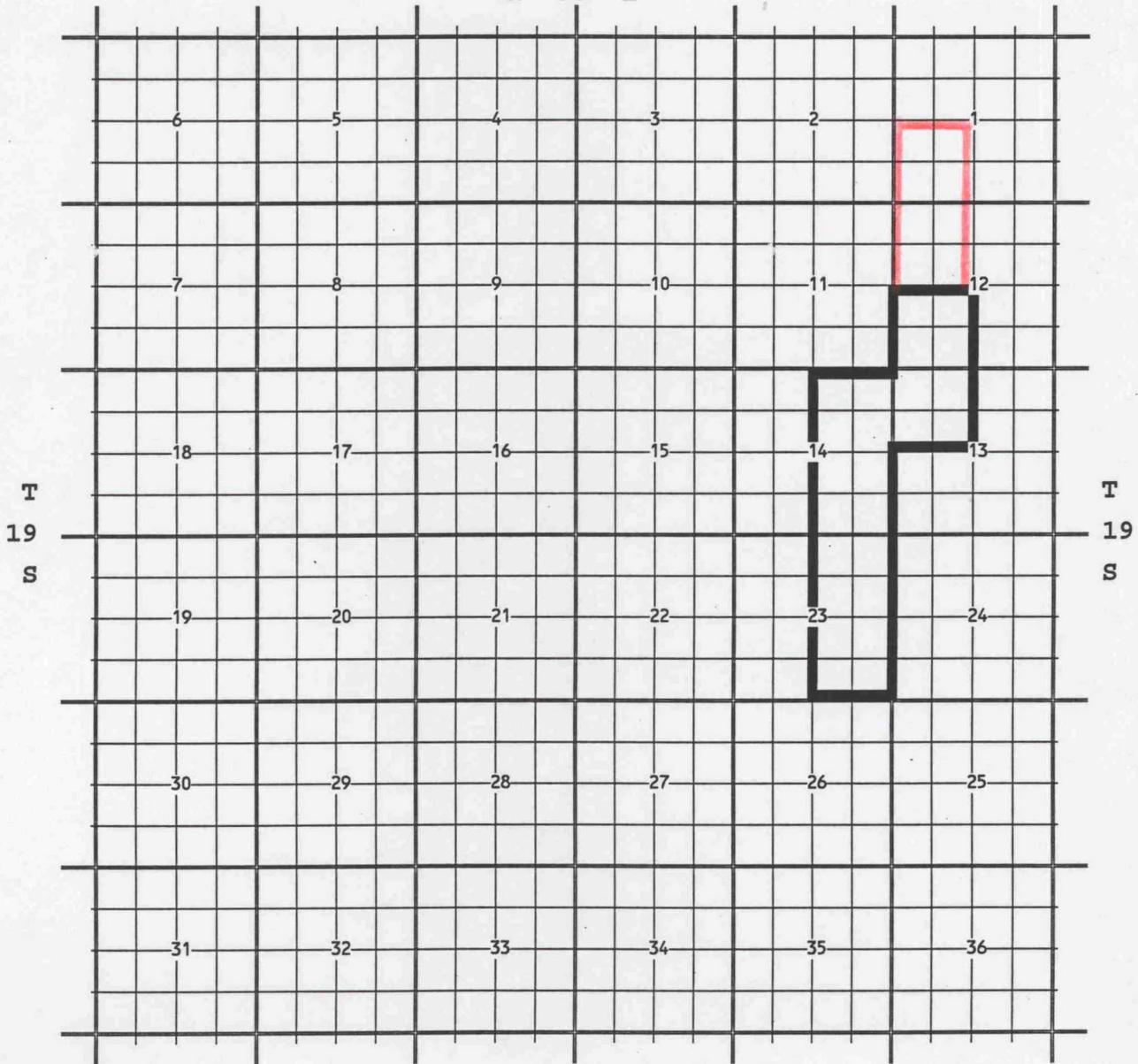
CASE NO. 12090 (ee) EXTENSION OF AN EXISTING OIL POOL

COUNTY: LEA

POOL: MONUMENT; ABO, NORTH

TOWNSHIP: 19 SOUTH RANGE: 36 EAST NMPM

R 36 E



R 36 E

PURPOSE: Four completed oil well capable of producing.
CHEVRON U S A INC, MONUMENT 1 STATE # 15, K-1-T19S-R36E, completed 02/03/1998, in the Abo Formation, top perfs 7281 ft.
CHEVRON U S A INC, MONUMENT 12 STATE # 11, F-12-T19S-R36E, completed 08/06/1997, in the Abo Formation, top perfs 7230 ft.
CHEVRON U S A INC, MONUMENT 12 STATE # 14, C-12-T19S-R36E, completed 01/09/1998, in the Abo Formation, top perfs 7152 ft.
CHEVRON U S A INC, MONUMENT 12 STATE # 16, E-12-T19S-R36E, completed 01/03/1998, in the Abo Formation, top perfs 7106 ft.

Pool boundary in bold outline.

Proposed pool extension outline in red. Township 19 Range 36 Section 1 : SW/4
Township 19 Range 36 Section 12: NW/4

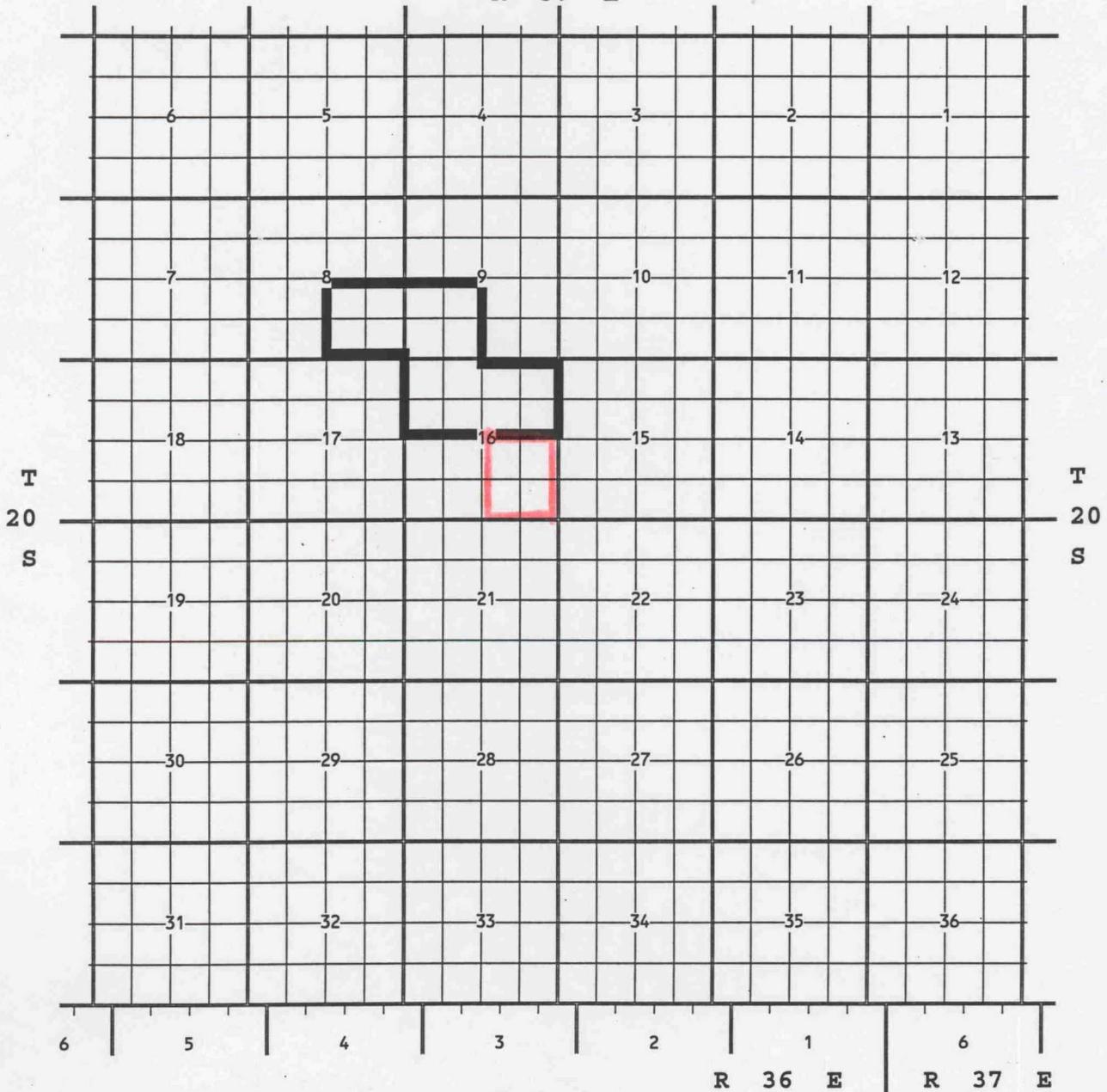
CASE NO. 12090 (ff) EXTENSION OF AN EXISTING OIL POOL:

COUNTY: LEA

POOL: MONUMENT; ABO, SOUTHEAST

TOWNSHIP: 20 SOUTH RANGE: 37 EAST NMPM

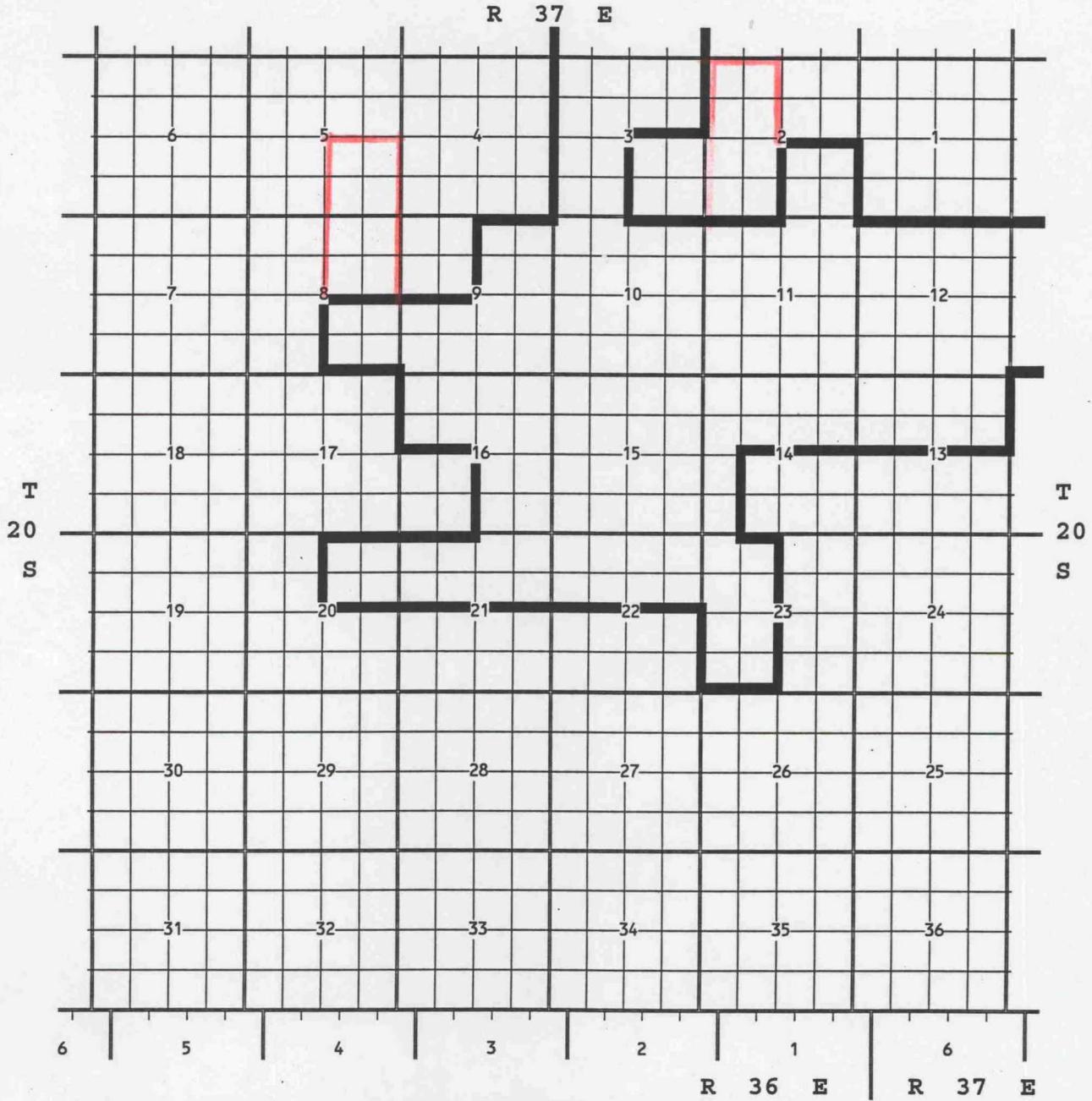
R 37 E



PURPOSE: One completed oil well capable of producing.
AMERADA HESS CORP, STATE Q # 7, J-16-T20S-R37E, completed 12/07/1997, in the Abo Formation,
top perfs 6936 ft.

Pool boundary in bold outline.
Proposed pool extension outline in red. Township 20 Range 37 Section 16: SE/4

CASE NO. 12090 (99) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: MONUMENT; TUBB
 TOWNSHIP: 20 SOUTH RANGE: 37 EAST NMPM



PURPOSE: Three completed oil well capable of producing.
 CHEVRON U S A INC, H T ORCUTT NCT-E # 2, D-2-T20S-R37E, completed 02/09/1998, in the Abo Formation, top perms 6498 ft.
 MARATHON OIL CO, BERTHA BARBER # 18-Y, L-5-T20S-R37E, completed 03/31/1998, in the Abo Formation, top perms 6414 ft.
 CONOCO INC, STATE A 3 # 3, I-3-T20S-R37E, completed 01/23/1998, in the Abo Formation, top perms 6410 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red.
 Township 20 Range 37 Section 2 : W/2
 Township 20 Range 37 Section 3 : SE/4
 Township 20 Range 37 Section 5 : SE/4
 Township 20 Range 37 Section 8 : NE/4

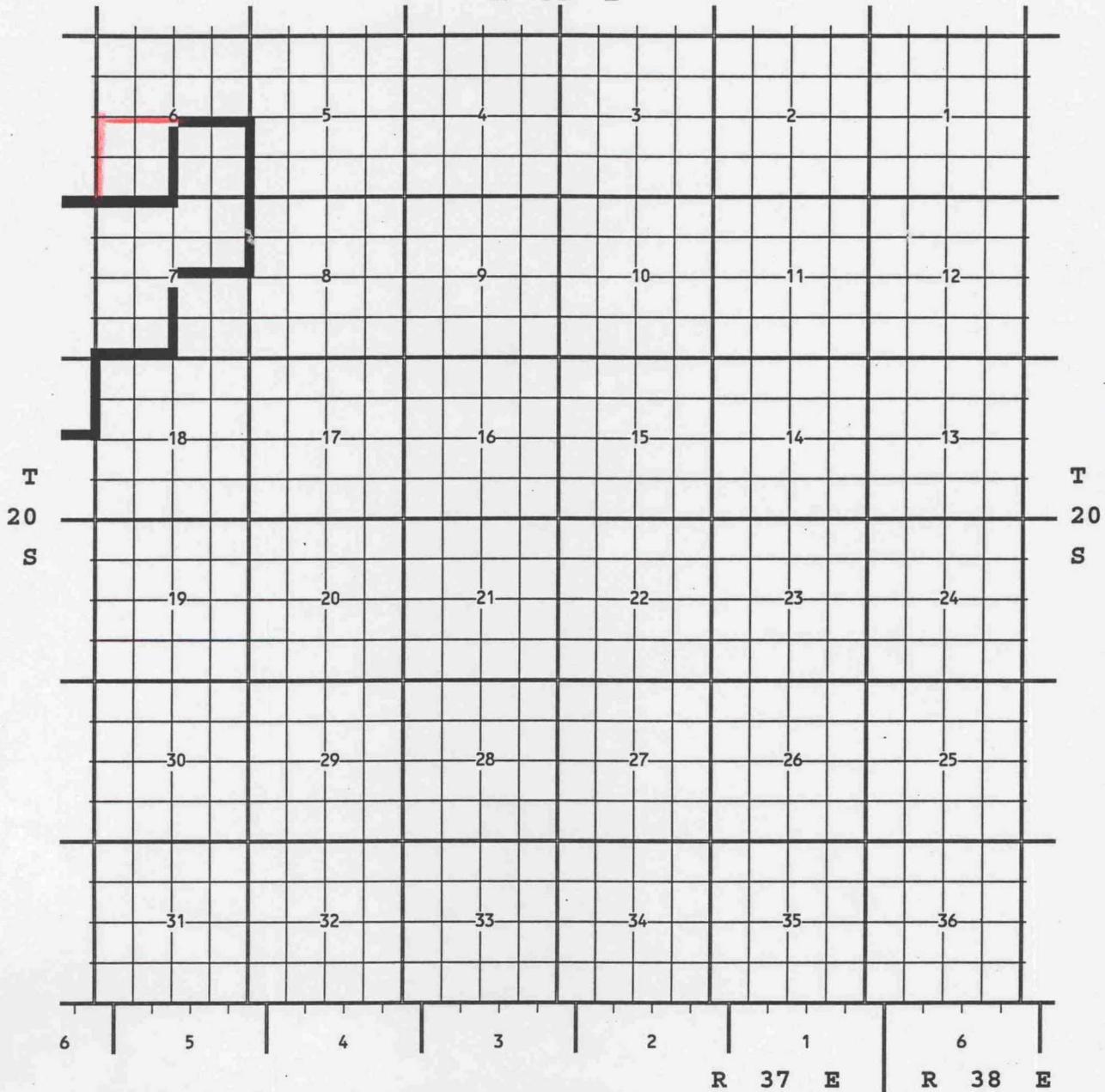
CASE NO. 12090 (99) EXTENSION OF AN EXISTING OIL POOL

COUNTY: LEA

POOL: MONUMENT; TUBB

TOWNSHIP: 20 SOUTH RANGE: 38 EAST NMPM

R 38 E



PURPOSE: Three completed oil well capable of producing.
 CHEVRON U S A INC, H T ORCUTT NCT-E # 2, D-2-T20S-R37E, completed 02/09/1998, in the Abo Formation, top perms 6498 ft.
 MARATHON OIL CO, BERTHA BARBER # 18-Y, L-5-T20S-R37E, completed 03/31/1998, in the Abo Formation, top perms 6414 ft.
 CONOCO INC, STATE A 3 # 3, I-3-T20S-R37E, completed 01/23/1998, in the Abo Formation, top perms 6410 ft.

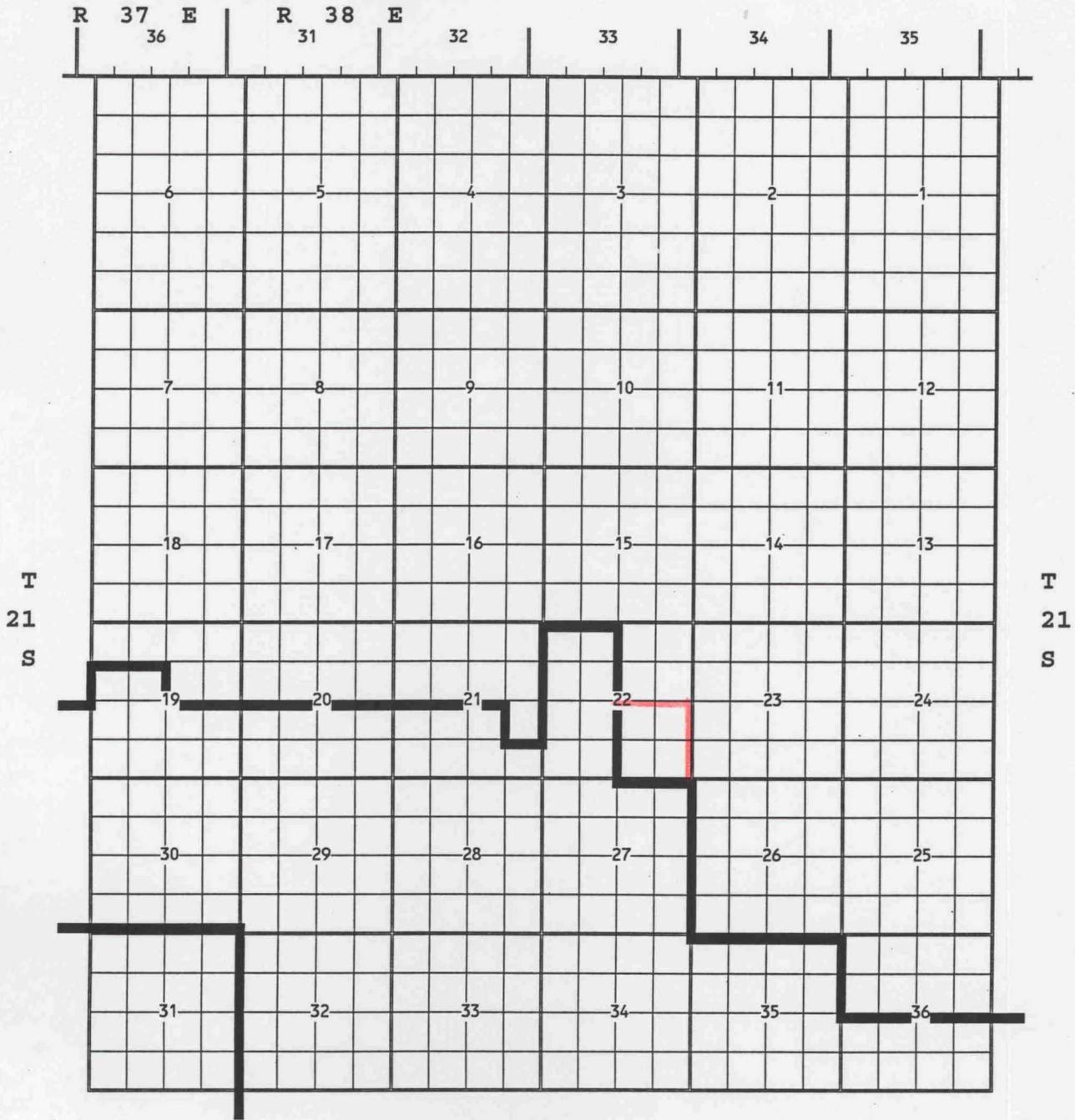
Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 20 Range 38 Section 6 :SW/4

CASE NO. 12090 (hh) EXTENSION OF AN EXISTING OIL POOL

COUNTY: LEA

POOL: PADDOCK

TOWNSHIP: 21 SOUTH RANGE: 37 EAST NMPM

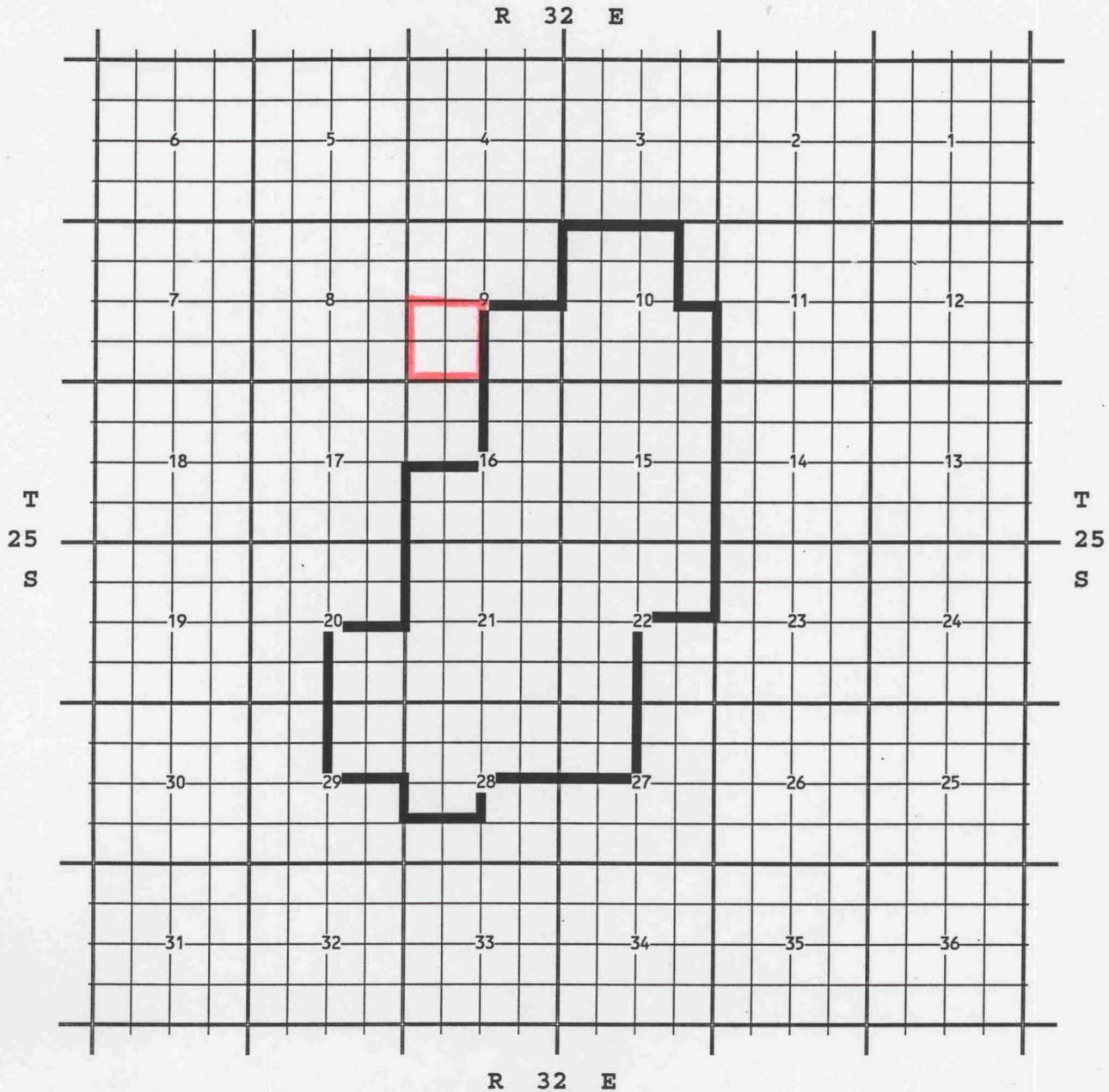


R 37 E

PURPOSE: One completed oil well capable of producing.
APACHE CORP, TURNER # 17, O-22-T21S-R37E, completed 04/09/1998, in the Paddock Formation, top perfs 5051 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 21 Range 37 Section 22: SE/4

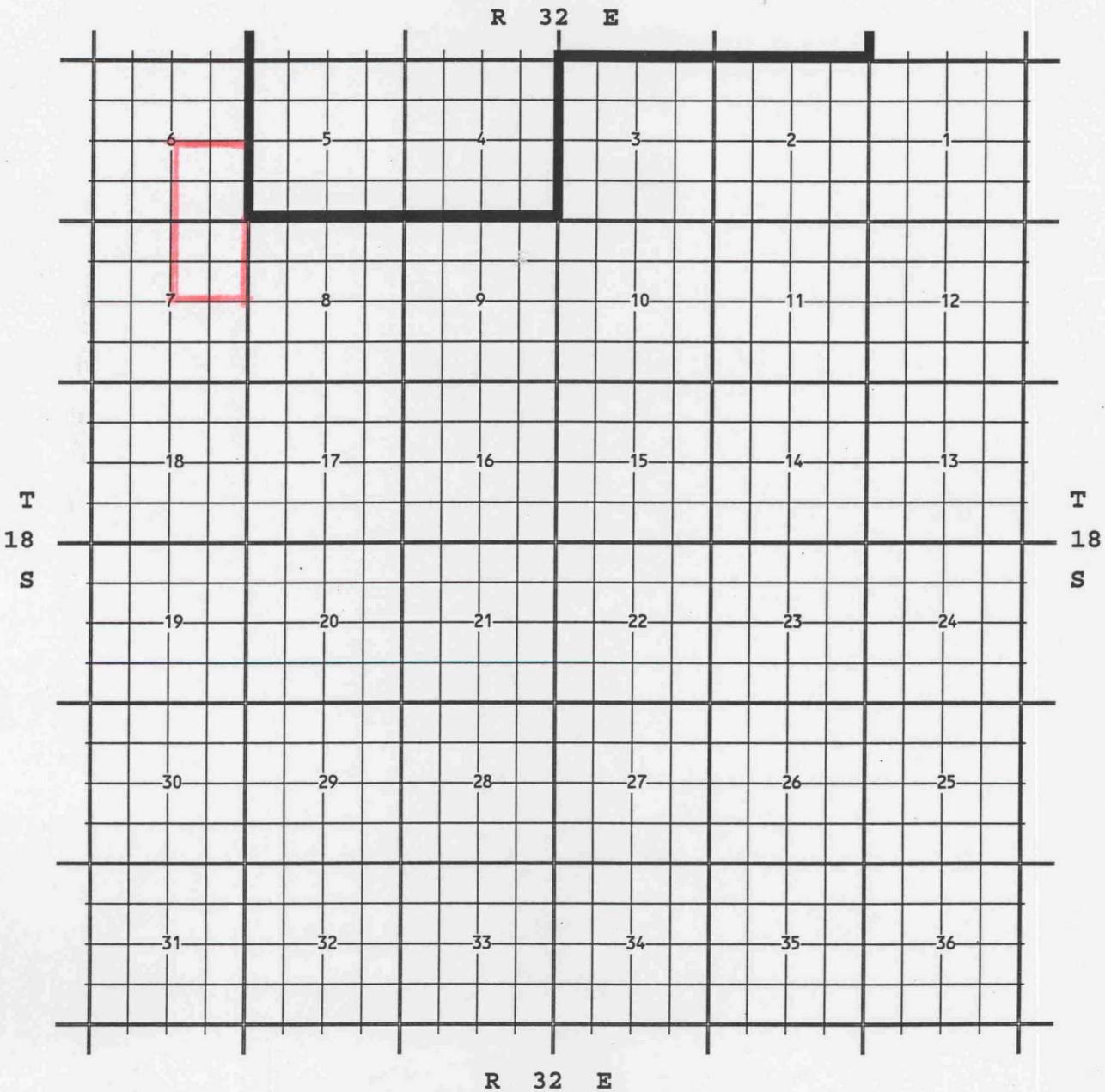
CASE NO. 12090 (ii) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: PADUCA;DELAWARE
 TOWNSHIP: 25 SOUTH RANGE: 32 EAST NMPM



PURPOSE: One completed oil well capable of producing.
 TEXACO EXPLORATION & PRODUCTION INC, COTTON DRAW 9L FEDERAL # 1, L-9-T25S-R32E, completed 08/16/1997,
 in the Delaware Formation, top perfs 4648 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 25 Range 32 Section 9 : SW/4

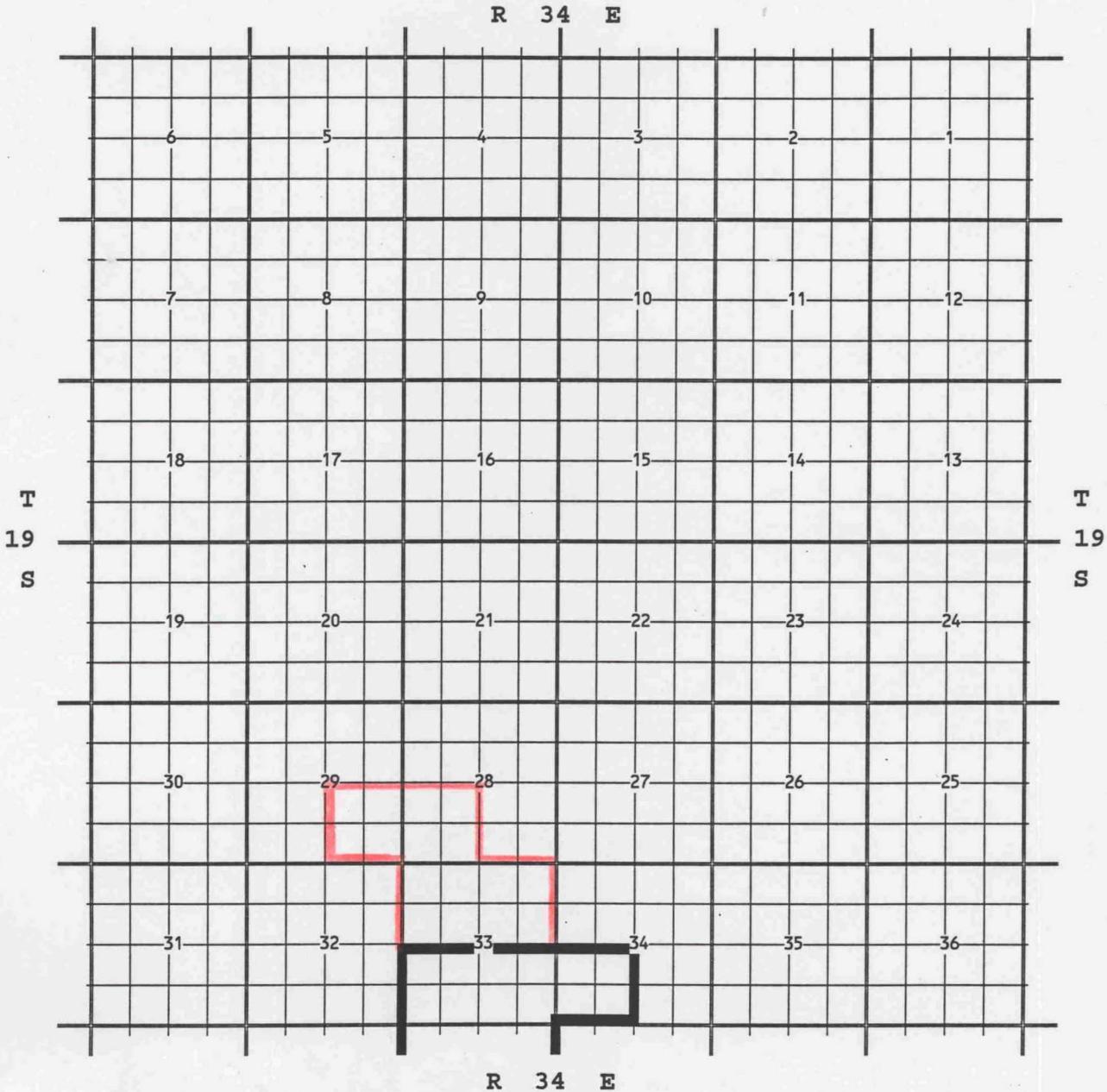
CASE NO. 12090 (JJ) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: PEARSALL;QUEEN
 TOWNSHIP: 18 SOUTH RANGE: 32 EAST NMPM



PURPOSE: One completed oil well capable of producing.
 MOREXCO INC, OSO FEDERAL # 1, H-7-T18S-R32E, completed 02/01/1997, in the Queen Formation,
 top perms 3714 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 18 Range 32 Section 6 : SE/4
 Township 18 Range 32 Section 7 : NE/4

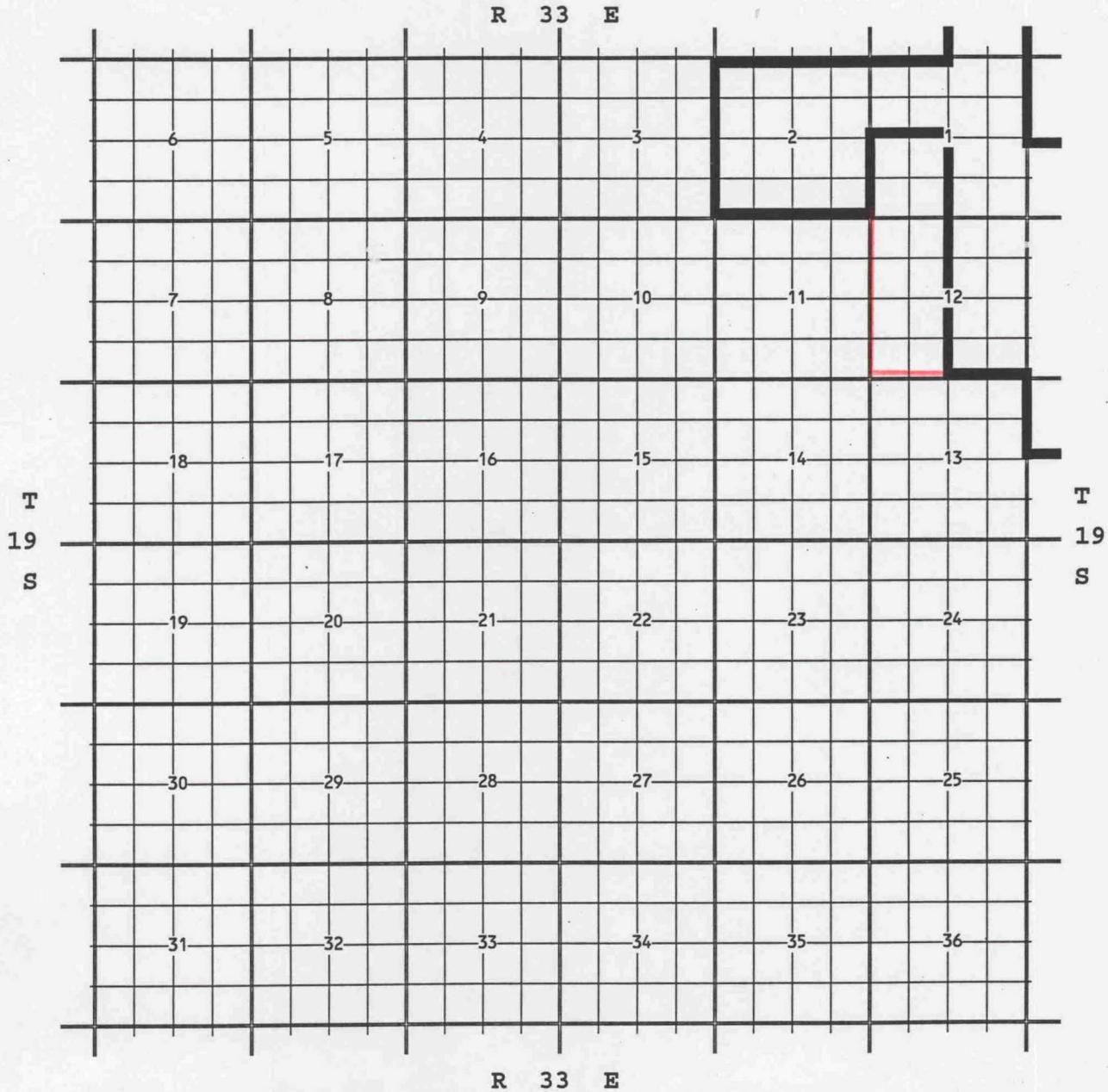
CASE NO. 12090 (kk) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: QUAIL RIDGE; BONE SPRING, SOUTH
 TOWNSHIP: 19 SOUTH RANGE: 34 EAST NMPM



PURPOSE: Two completed oil well capable of producing.
 MALLON OIL CO, MALLON 29 FEDERAL # 2, J-29-T19S-R34E, completed 02/01/1998, in the Bone Spring Formation, top perfs 9414 ft.
 MALLON OIL CO, MALLON 33 FEDERAL # 8, A-33-T19S-R34E, completed 02/03/1998, in the Bone Spring Formation, top perfs 9686 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red.
 Township 19 Range 34 Section 28: SW/4
 Township 19 Range 34 Section 29: SE/4
 Township 19 Range 34 Section 33: N/2

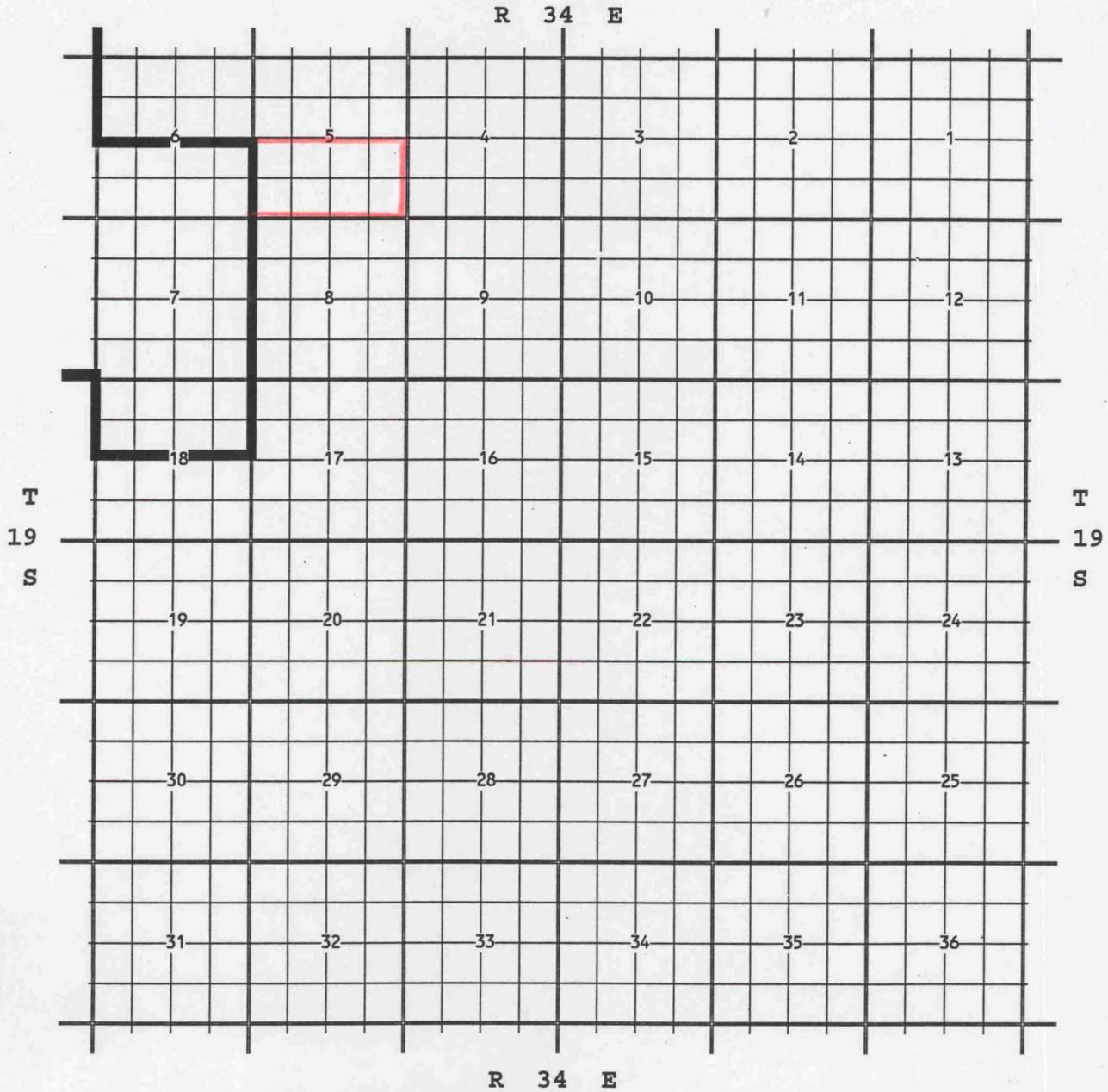
CASE NO. 12090 (LL) EXTENSION OF AN EXISTING GAS POOL
 COUNTY: LEA POOL: QUAIL RIDGE;MORROW, NORTH (GAS)
 TOWNSHIP: 19 SOUTH RANGE: 33 EAST NMPM



PURPOSE: One completed gas well capable of producing.
 NEARBURG PRODUCING CO, BISON 12 FEDERAL # 1, C-12-T19S-R33E, completed 04/20/1998, in the Morrow Formation,
 top perfs 13194 ft.

Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 19 Range 33 Section 1: SW/4
 Township 19 Range 33 Section 12: W/2

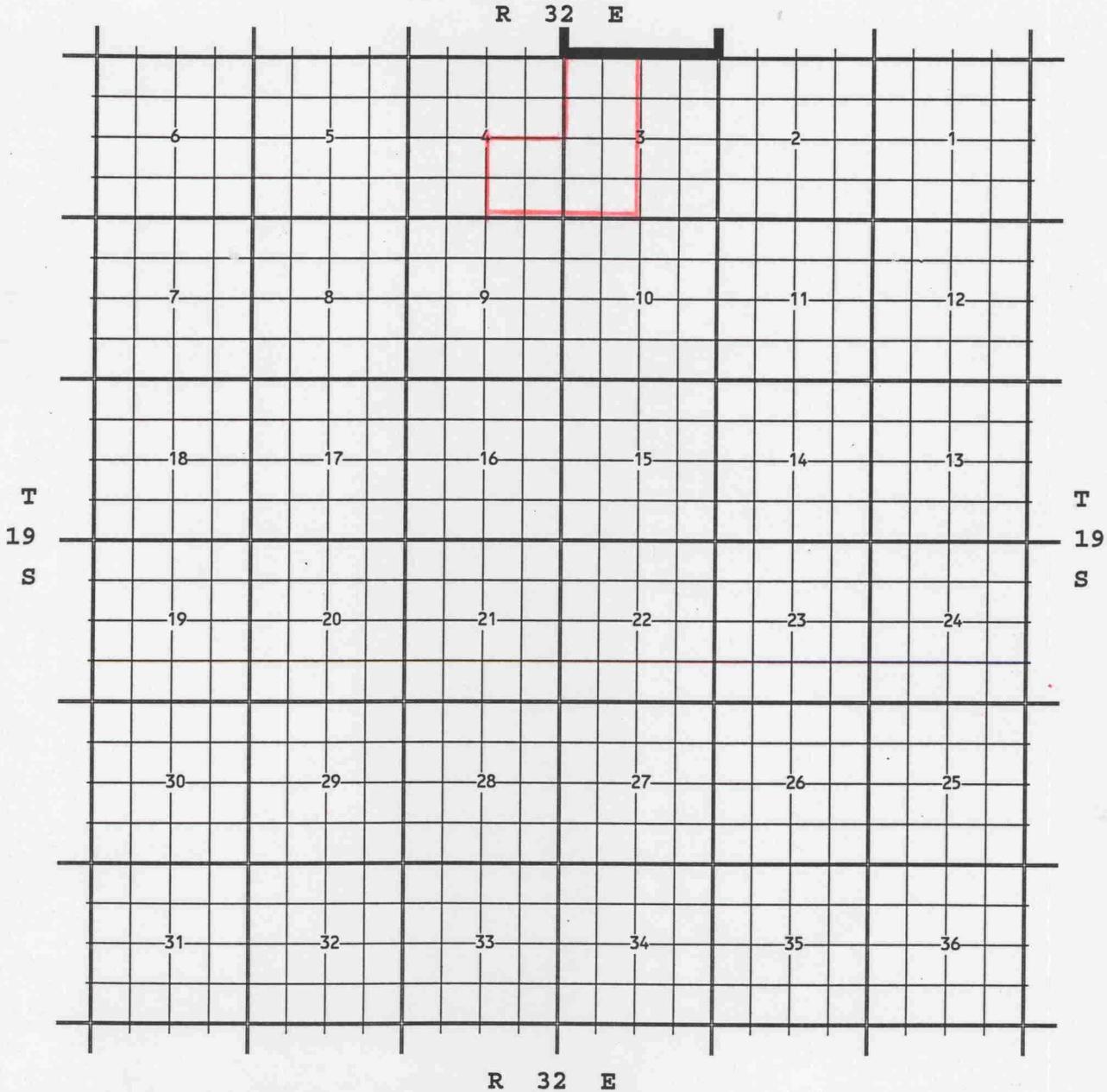
CASE NO. 12090 (LL) EXTENSION OF AN EXISTING GAS POOL
COUNTY: LEA POOL: QUAIL RIDGE; MORROW, NORTH (GAS)
TOWNSHIP: 19 SOUTH RANGE: 34 EAST NMPM



PURPOSE: One completed gas well capable of producing.
NEARBURG PRODUCING CO, BISON 12 FEDERAL # 1, C-12-T19S-R33E, completed 04/20/1998, in the Morrow Formation,
top perms 13194 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 19 Range 34 Section 5 : *S/2*

CASE NO. 12090 (M) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: QUERECHO PLAINS; DELAWARE
 TOWNSHIP: 19 SOUTH RANGE: 32 EAST NMPM

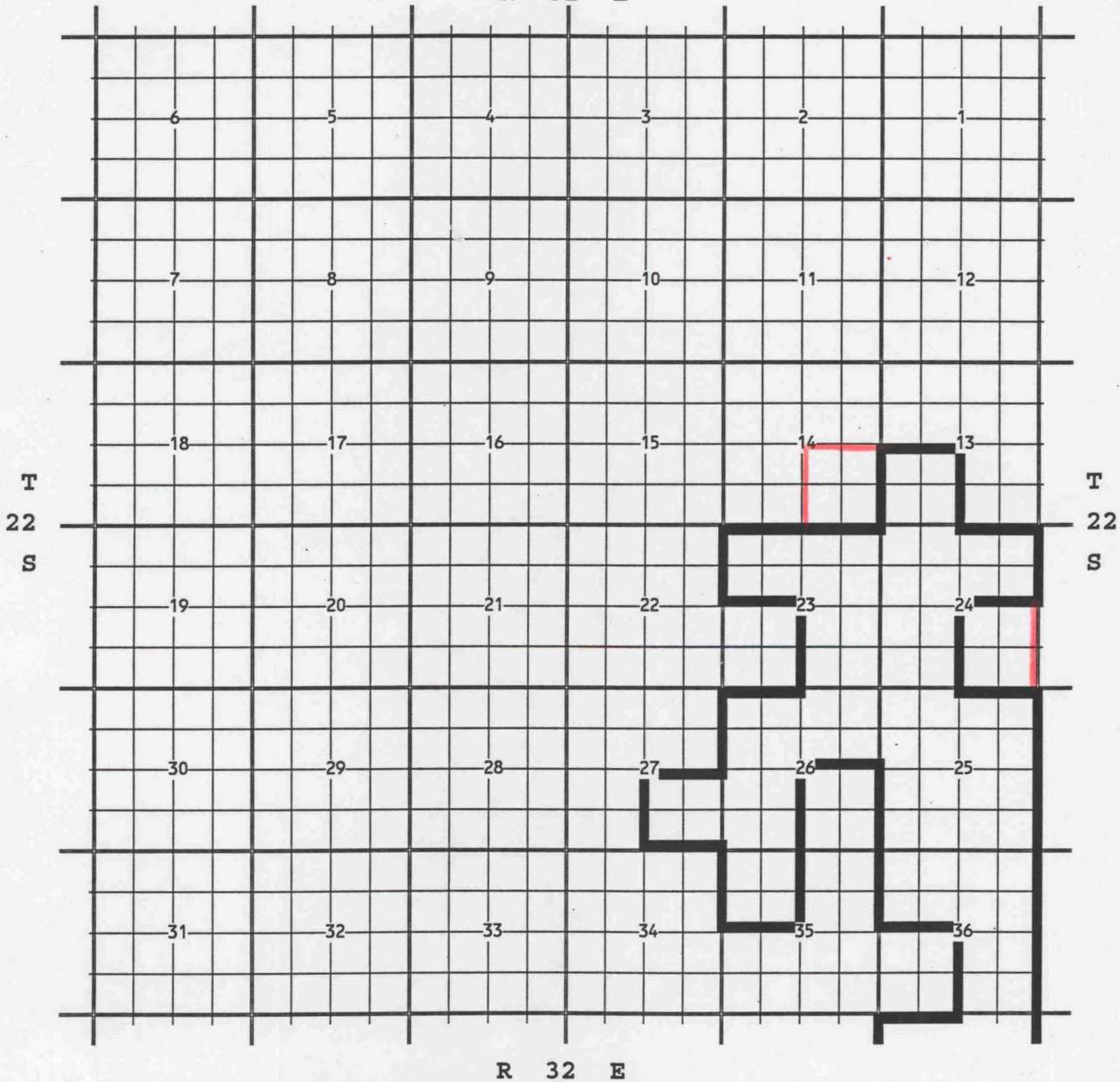


PURPOSE: One completed oil well capable of producing.
 CHEVRON U S A INC, LANDSDALE D FEDERAL # 2, I-4-T19S-R32E, completed 05/06/1998, in the Delaware Formation,
 top perfs 7098 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 19 Range 32 Section 3 : W/2
 Township 19 Range 32 Section 4 : SE/4

CASE NO. 12090 (NM) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: RED TANK; BONE SPRING
 TOWNSHIP: 22 SOUTH RANGE: 32 EAST NMPM

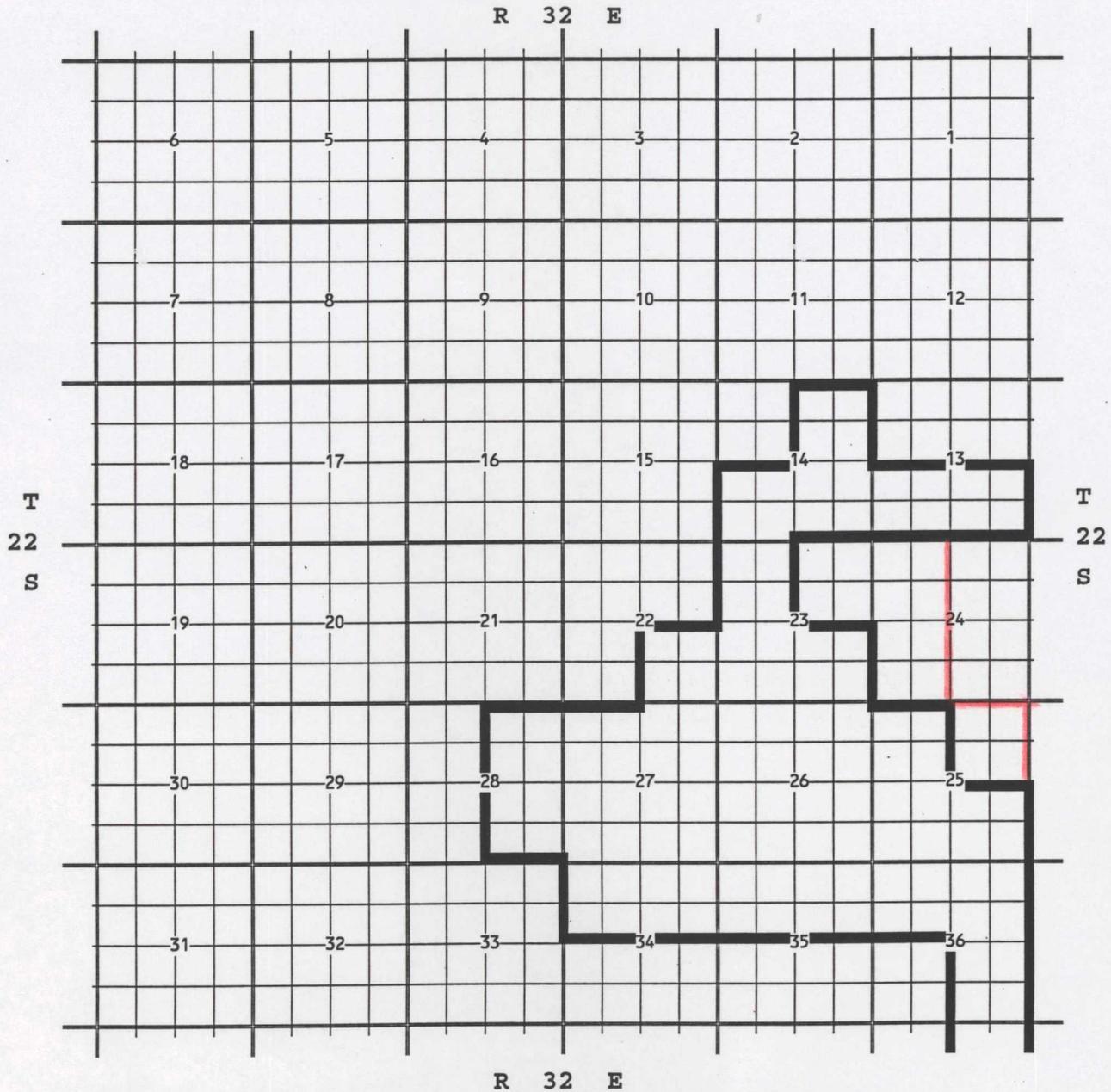
R 32 E



PURPOSE: Two completed oil well capable of producing.
 PENWELL ENERGY INC, CHECKERS 24 FEDERAL # 1, J-24-T22S-R32E, completed 09/26/1997,
 in the Bone Spring Formation, top perfs 8864 ft.
 BURLINGTON RESOURCES OIL AND GAS COMPANY, REDCHECKER 14 FEDERAL # 1, P-14-T22S-R32E, completed 01/20/1998,
 in the Bone Spring Formation, top perfs 8490 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 22 Range 32 Section 14: SE/4
 Township 22 Range 32 Section 24: SE/4

CASE NO. 12090 (00) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: RED TANK; DELAWARE, WEST
 TOWNSHIP: 22 SOUTH RANGE: 32 EAST NMPM

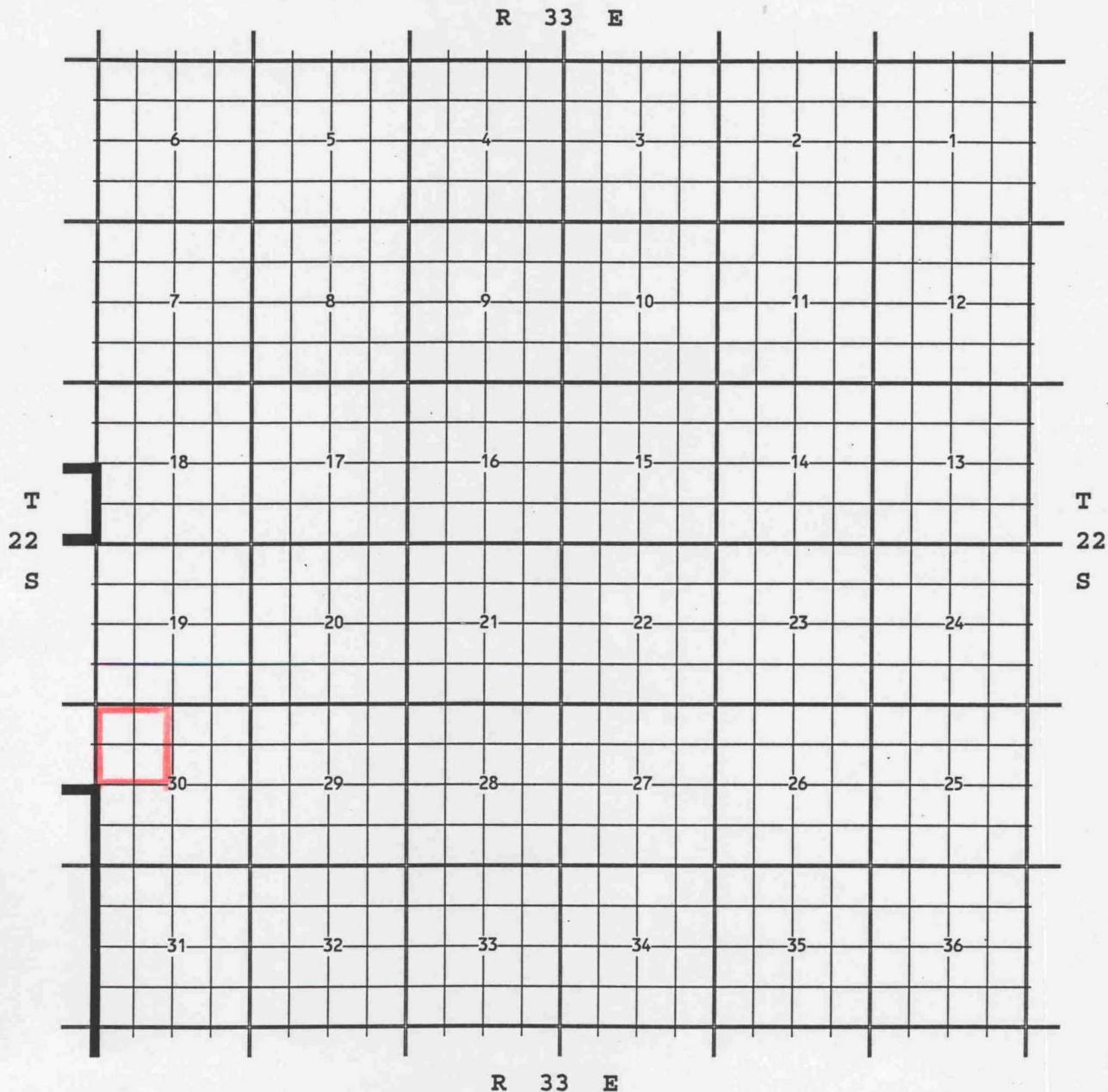


PURPOSE: One completed oil well capable of producing.
 POGO PRODUCING CO, CALMON 30 STATE # 1, E-30-T22S-R33E, completed 04/11/1998, in the Delaware Formation,
 top perms 8534 ft.

Pool boundary in bold outline.
 Proposed pool extension outline in red.

Township 22 Range 32: Section 23: NE/4
 Township 22 Range 32: Section 24: W/2
 Township 22 Range 32: Section 25: NE/4

CASE NO. 12090 (00) EXTENSION OF AN EXISTING OIL POOL
COUNTY: LEA POOL: RED TANK; DELAWARE, WEST
TOWNSHIP: 22 SOUTH RANGE: 33 EAST NMPM



PURPOSE: One completed oil well capable of producing.
POGO PRODUCING CO, CALMON 30 STATE # 1, E-30-T22S-R33E, completed 04/11/1998, in the Delaware Formation,
top perfs 8534 ft.

Pool boundary in bold outline.
Proposed pool extension outline in red. Township 22 Range 33 Section 30: NW/4

CASE NO. 12090 (PP) EXTENSION OF AN EXISTING GAS POOL

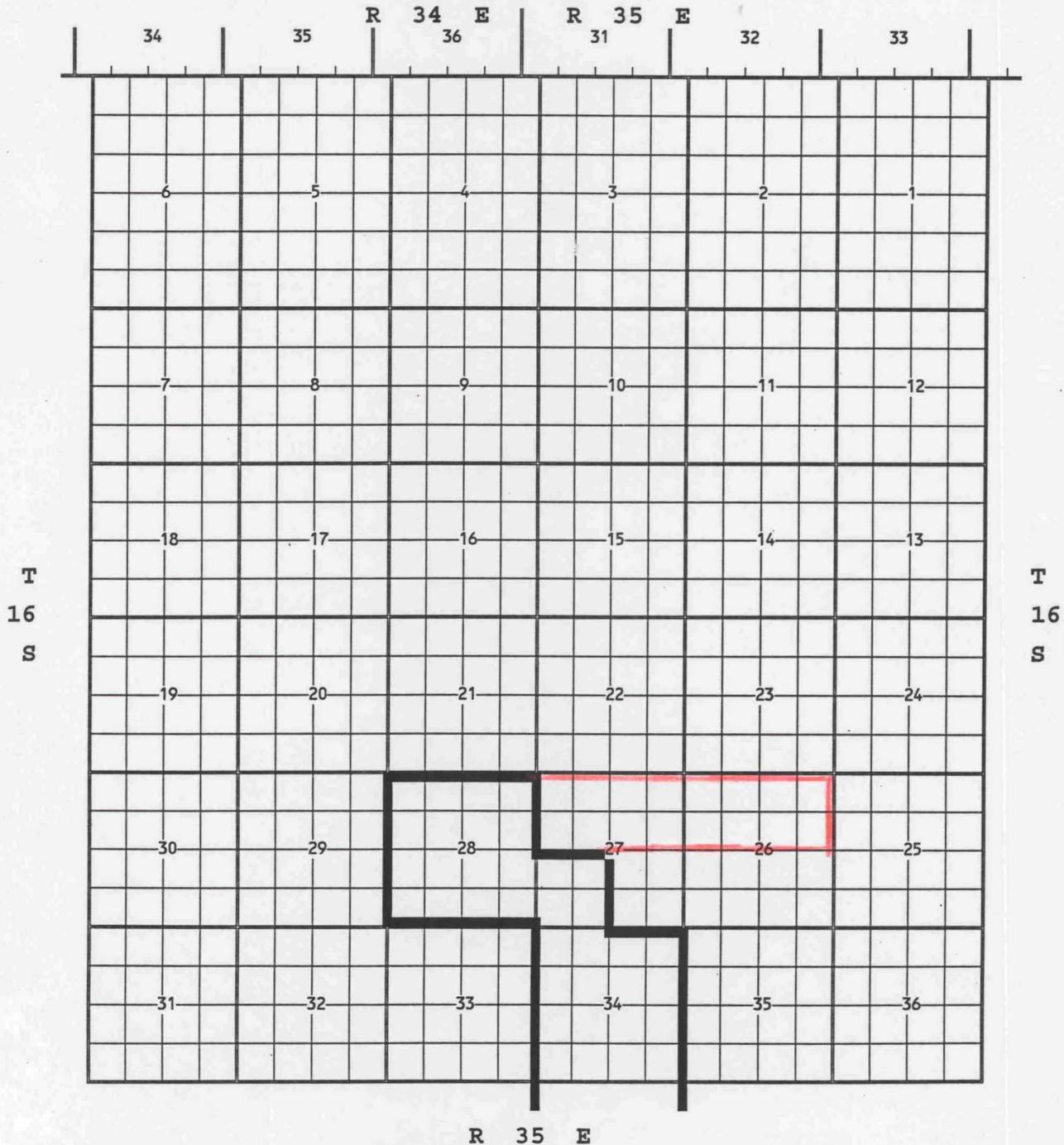
COUNTY: LEA

POOL: SHOE BAR; ATOKA (GAS)

TOWNSHIP: 16 SOUTH

RANGE: 35 EAST

NMPM



PURPOSE: One completed gas well capable of producing.
PRIMERO OPERATING INC, TILLEY # 1, N-26-T16S-R35E, completed 07/10/1998, in the Atoka Formation,
top perms 11430 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 16 Range 35 Section 26: N/2
Township 16 Range 35 Section 27: N/2

CASE NO. 12090 (PP) EXTENSION OF AN EXISTING GAS POOL

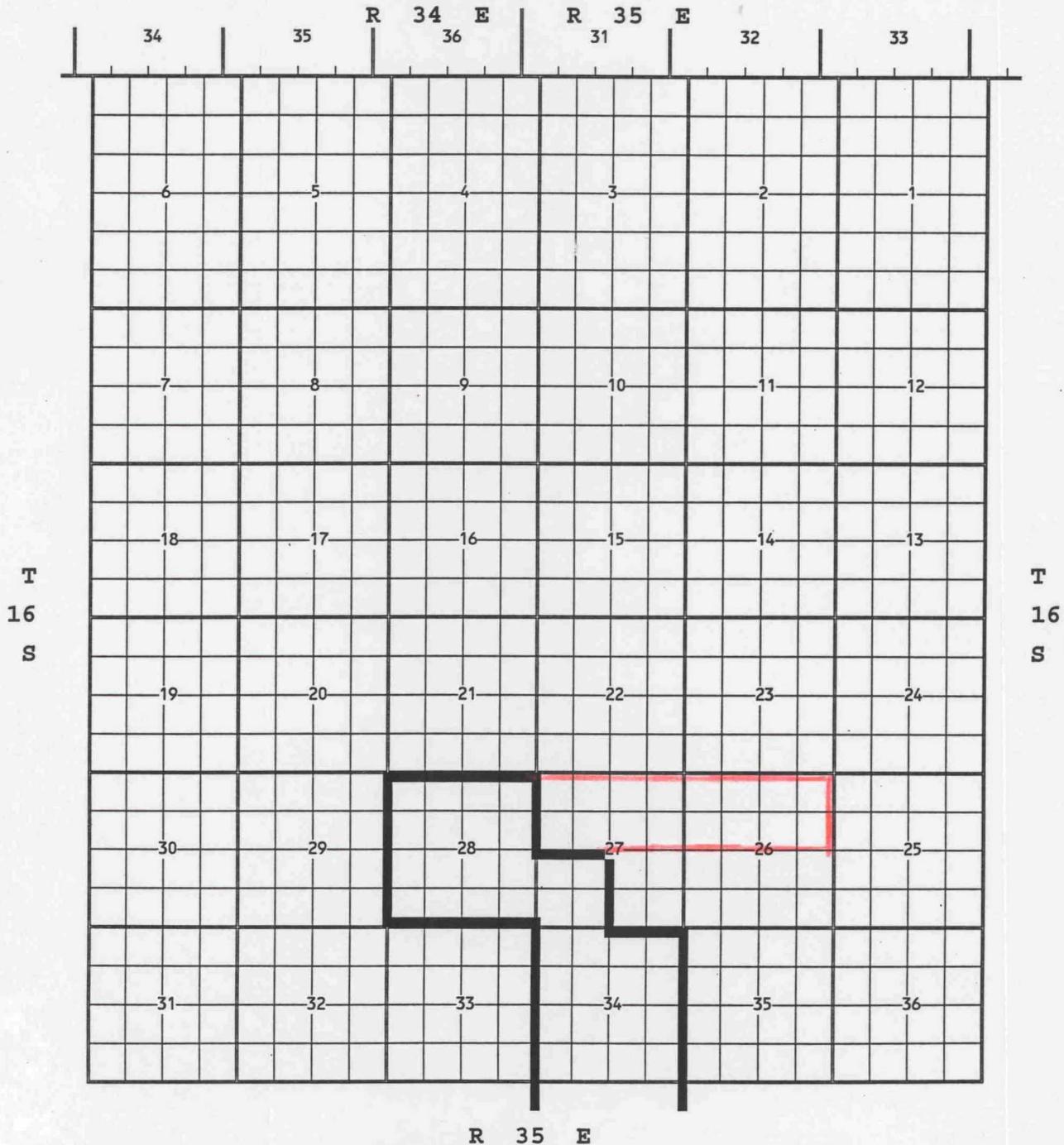
COUNTY: LEA

POOL: SHOE BAR; ATOKA (GAS)

TOWNSHIP: 16 SOUTH

RANGE: 35 EAST

NMPM



PURPOSE: One completed gas well capable of producing.
PRIMERO OPERATING INC, TILLEY # 1, N-26-T16S-R35E, completed 07/10/1998, in the Atoka Formation,
top perfs 11430 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 16 Range 35 Section 26: N/2
Township 16 Range 35 Section 27: N/2

CASE NO. 12090 (QQ) EXTENSION OF AN EXISTING OIL POOL

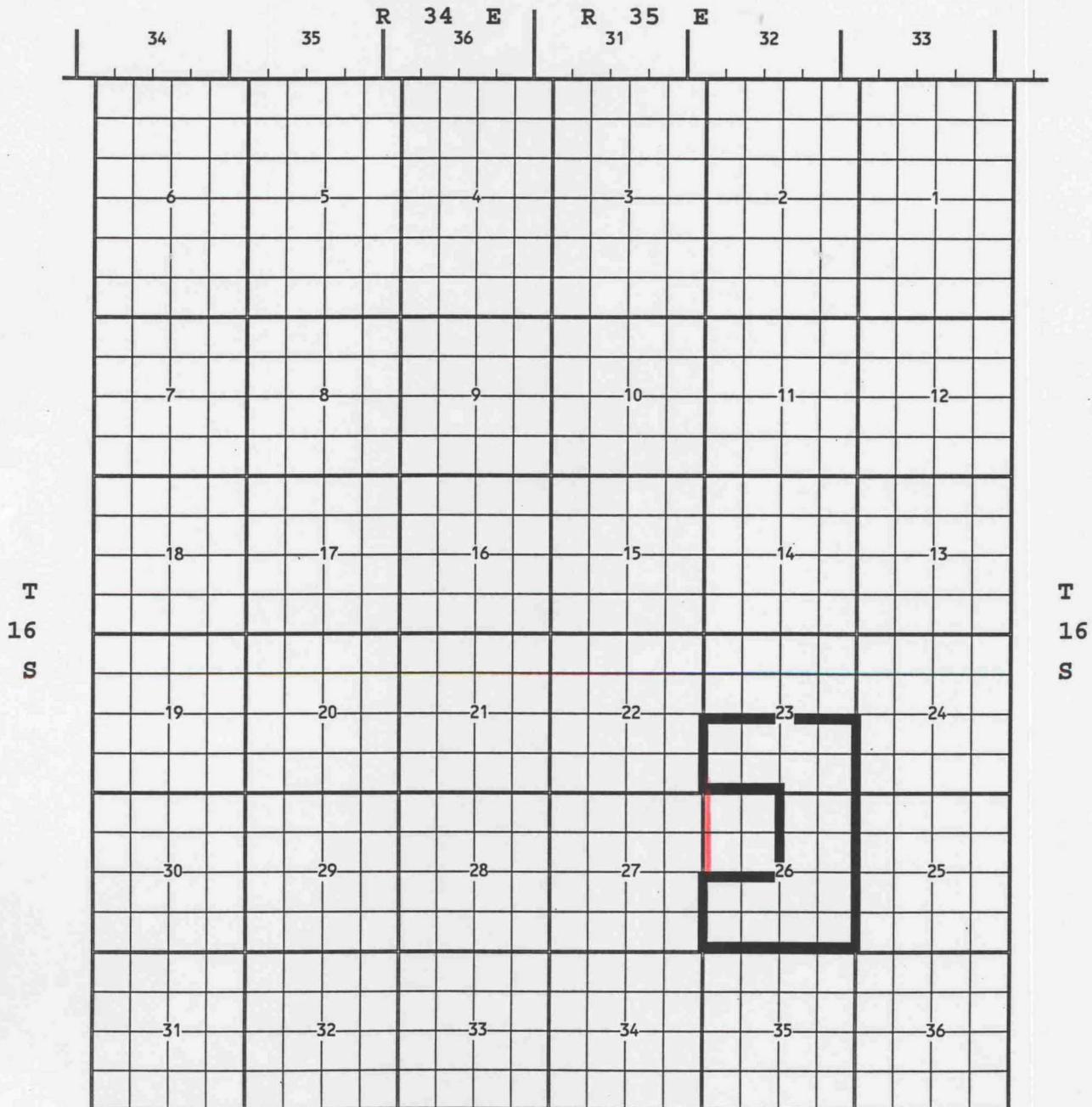
COUNTY: LEA

POOL: SHOE BAR; WOLFCAMP

TOWNSHIP: 16 SOUTH

RANGE: 35 EAST

NMPM

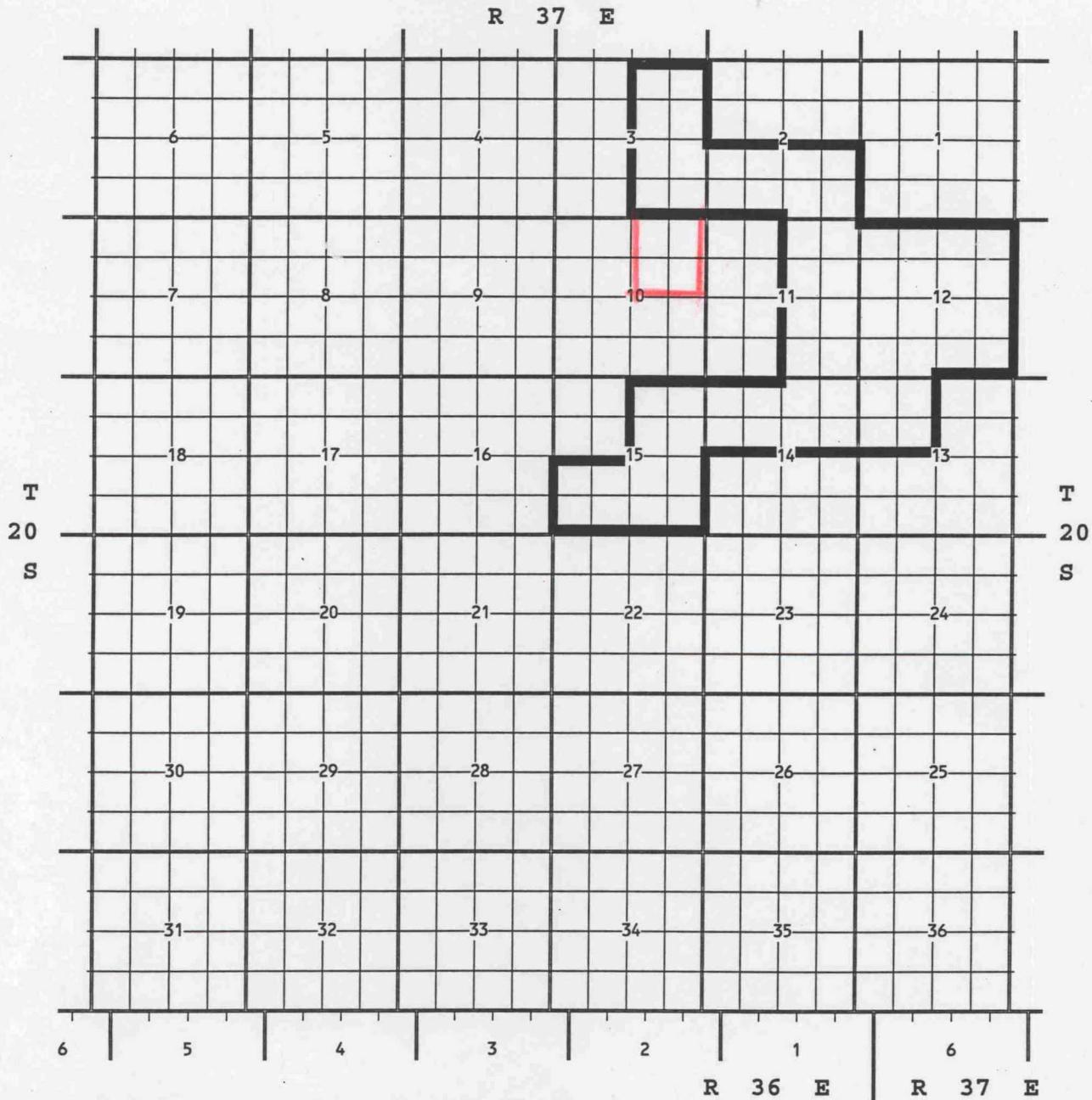


R 35 E

PURPOSE: One completed oil well capable of producing.
TMBR/SHARP DRILLING INC, EIDSON 26 # 1, C-26-T16S-R35E, completed 01/20/1998, in the Wolfcamp Formation,
top perms 10244 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 16 Range 35 Section 26: NW/4

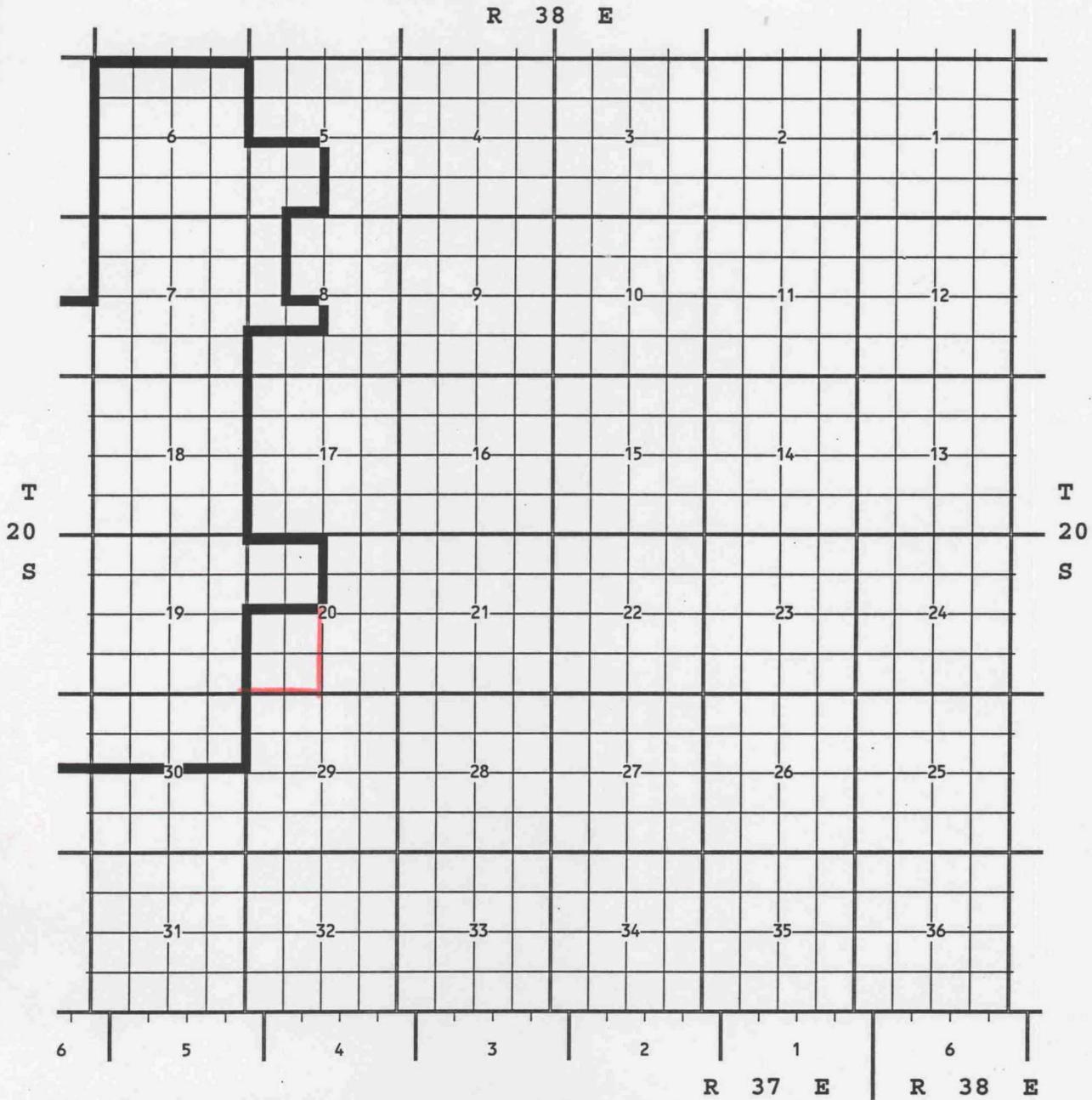
CASE NO. 12090 (pp) EXTENSION OF AN EXISTING GAS POOL
 COUNTY: LEA POOL: SKAGGS;ABO (GAS)
 TOWNSHIP: 20 SOUTH RANGE: 37 EAST NMPM



PURPOSE: One completed gas well capable of producing.
 TEXACO EXPLORATION & PRODUCTION INC, E H B PHILLIPS C # 2, H-10-T20S-R37E, completed 04/16/1998,
 in the Abo Formation, top perfs 7088 ft.

Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 20 Range 37 Section 10: NE/4

CASE NO. 12090 (55) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: SKAGGS; GRAYBURG
 TOWNSHIP: 20 SOUTH RANGE: 38 EAST NMPM



PURPOSE: One completed oil well capable of producing.
 CONOCO INC, SEMU BURGER B # 108, L-20-T20S-R38E, completed 10/30/1997, in the Grayburg Formation,
 top perfs 3810 ft.

Pool boundry in bold outline.
 Proposed pool extension outline in red. Township 20 Range 38 Section 20: SW/4

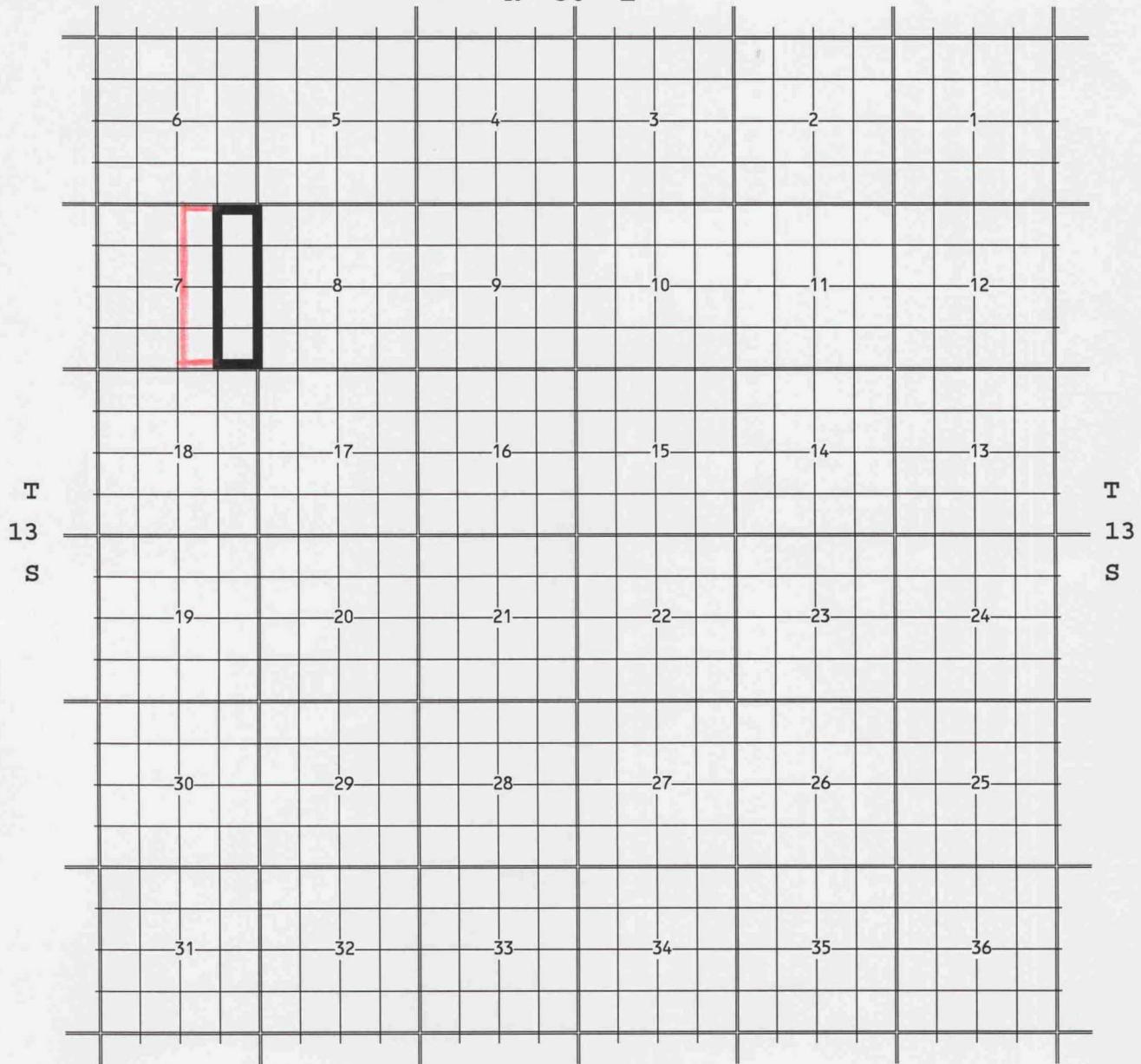
CASE NO. 12090 (tt) EXTENSION OF AN EXISTING OIL POOL

COUNTY: LEA

POOL: TATUM; UPPER PENN

TOWNSHIP: 13 SOUTH RANGE: 36 EAST NMPM

R 36 E



R 36 E

PURPOSE: One completed oil well capable of producing.
SABA ENERGY OF TEXAS INC, HARTON STATE # 1, H-7-T13S-R36E, completed 09/23/1997, in the Penn Formation,
top perms 10876 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 13 Range 36 Section 7 : E/2 + W/2

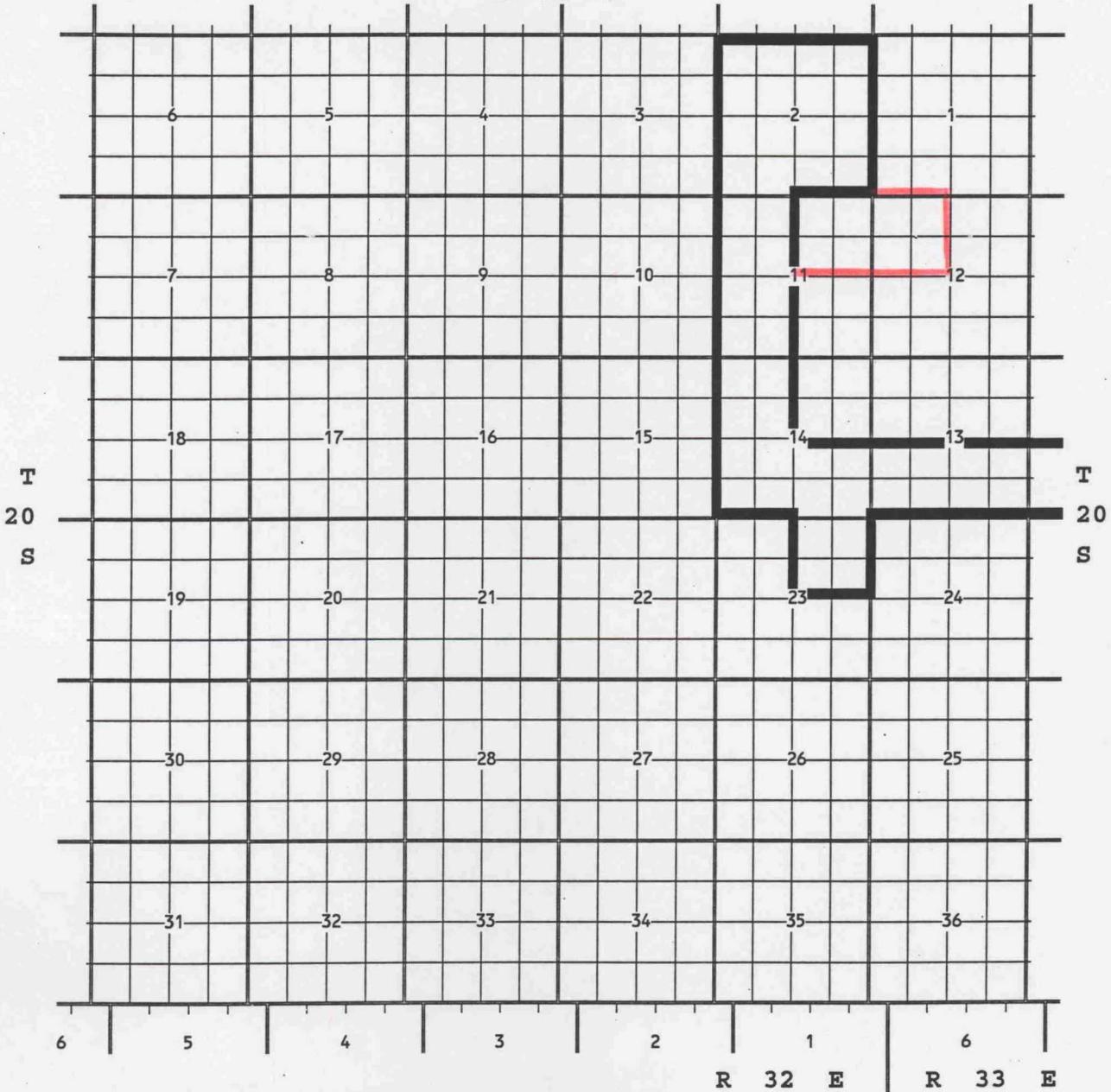
CASE NO. 12090 (uu) EXTENSION OF AN EXISTING OIL POOL

COUNTY: LEA

POOL: TEAS; BONE SPRING

TOWNSHIP: 20 SOUTH RANGE: 33 EAST NMPM

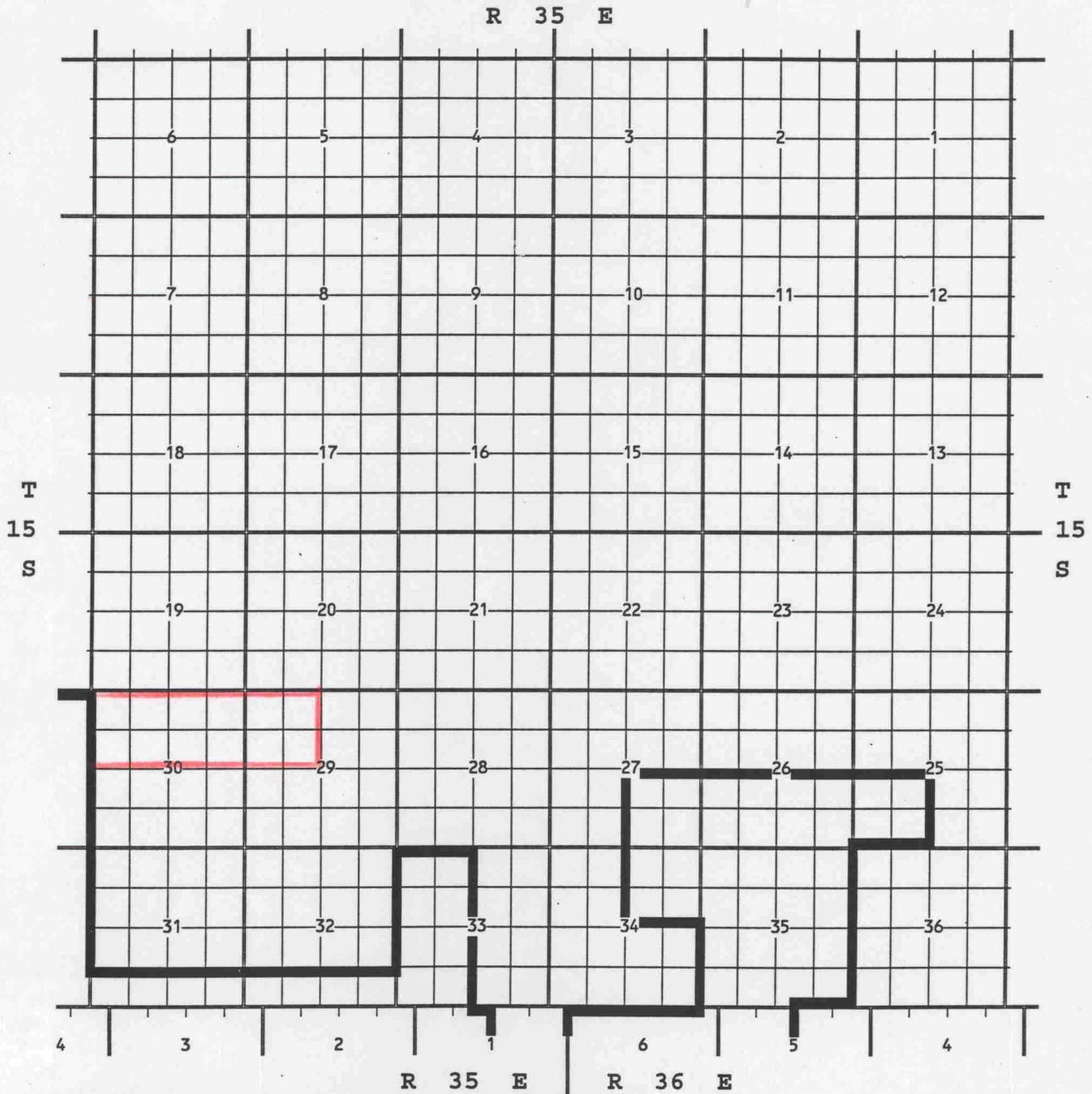
R 33 E



PURPOSE: One completed oil well capable of producing.
RAY WESTALL, EAST SMITH RANCH FEDERAL # 1, D-12-T20S-R33E, completed 01/16/1998,
in the Bone Spring Formation, top perms 9393 ft.

Pool boundary in bold outline.
Proposed pool extension outline in red. Township 20 Range 33 Section 11: NE/4
Township 20 Range 33 Section 12: NW/4

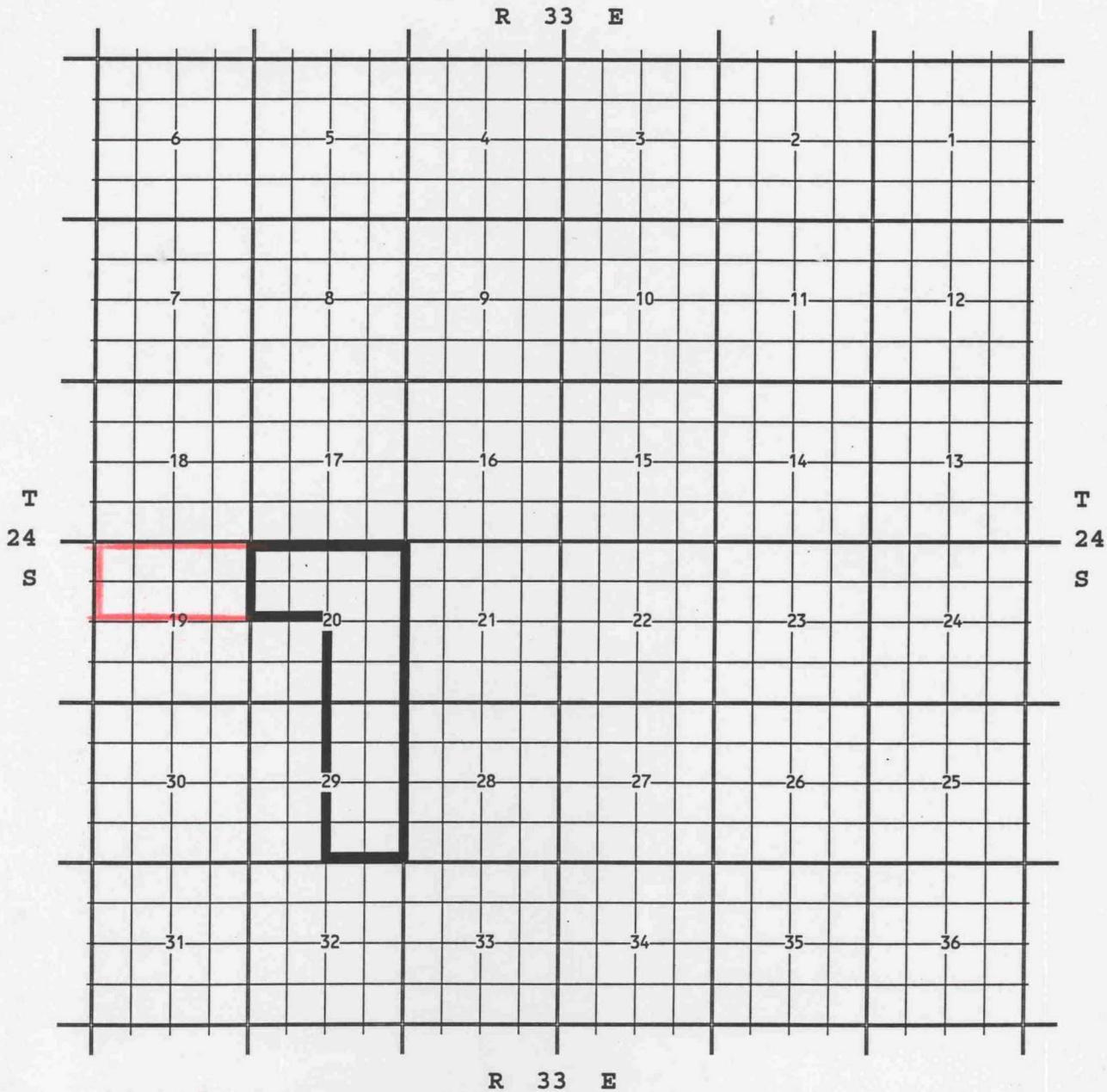
CASE NO. 12090 (VV) EXTENSION OF AN EXISTING OIL POOL
 COUNTY: LEA POOL: TOWNSEND; PERMO UPPER PENN
 TOWNSHIP: 15 SOUTH RANGE: 35 EAST NMPM



PURPOSE: One completed oil well capable of producing.
 YATES PETROLEUM CORPORATION, BARRY ARD STATE # 1, C-29-T15S-R35E, completed 01/31/1998,
 in the Wolfcamp Formation, top perms 10258 ft.

Pool boundary in bold outline.
 Proposed pool extension outline in red. Township 15 Range 35 Section 29: NW/4
 Township 15 Range 35 Section 30: N/2

CASE NO. 12090 (WW) EXTENSION OF AN EXISTING GAS POOL
COUNTY: LEA POOL: TRISTE DRAW; ATOKA, EAST (GAS)
TOWNSHIP: 24 SOUTH RANGE: 33 EAST NMPM

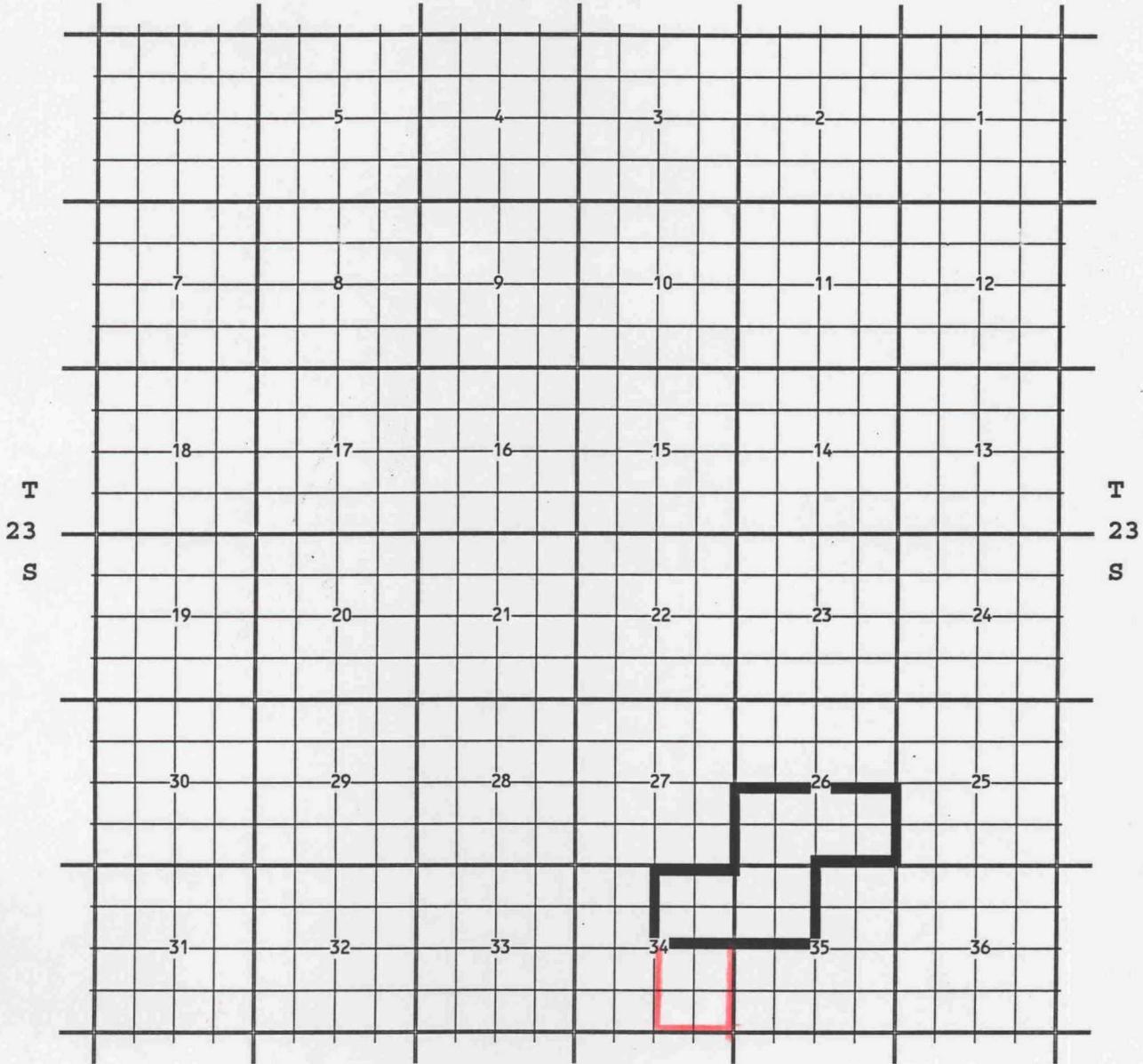


PURPOSE: One completed gas well capable of producing.
COBRA OIL & GAS CORPORATION, STATE 19 # 1, G-19-T24S-R33E, completed 01/05/1998, in the Atoka Formation,
top perfs 14360 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 24 Range 33 Section 19: N/2

CASE NO. 12090 (XX) EXTENSION OF AN EXISTING OIL POOL
COUNTY: LEA POOL: TRISTE DRAW;BONE SPRING
TOWNSHIP: 23 SOUTH RANGE: 32 EAST NMPM

R 32 E

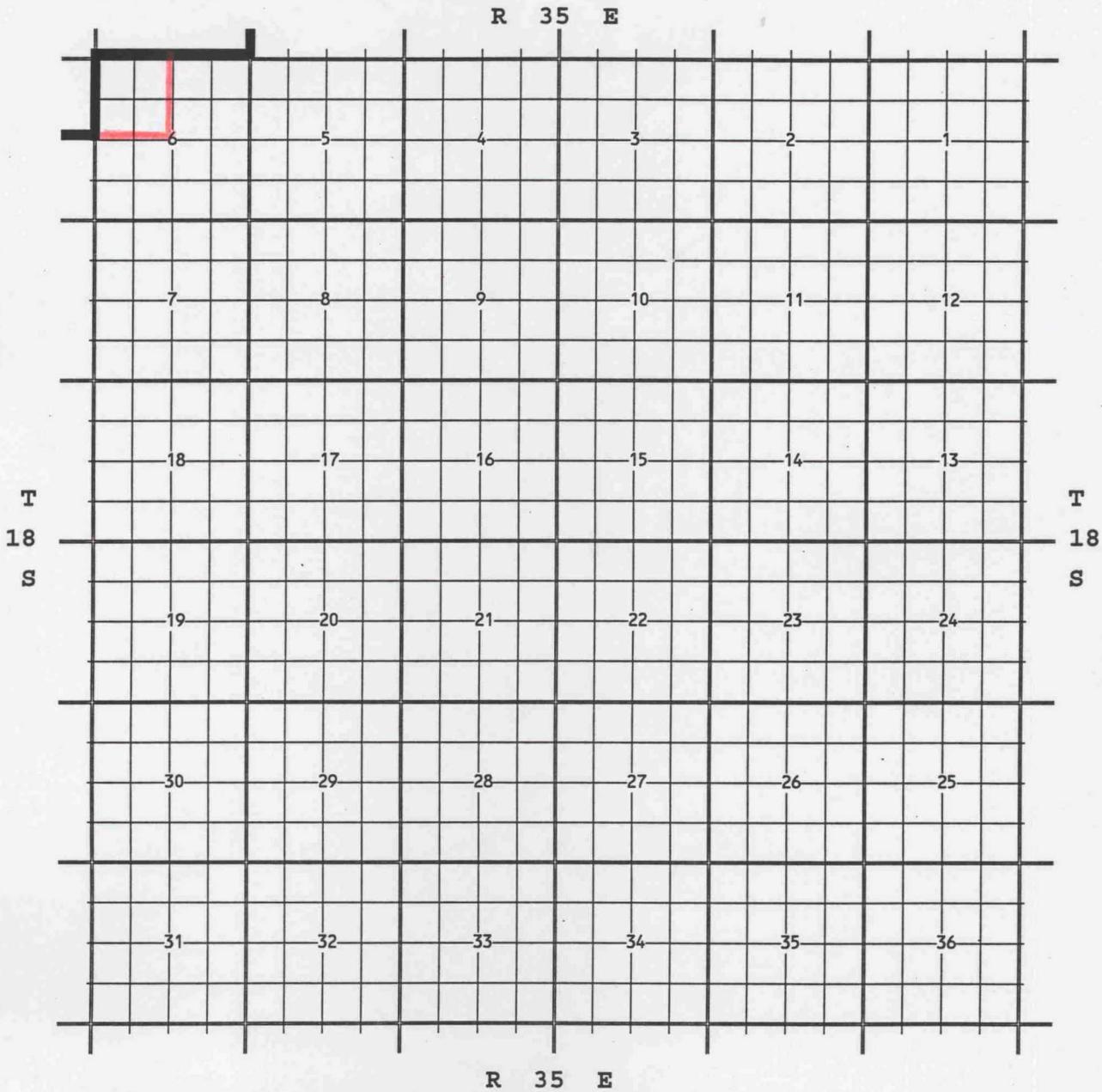


R 32 E

PURPOSE: One completed oil well capable of producing.
BURLINGTON RESOURCES OIL AND GAS COMPANY, DIAMONDTAIL 34 FEDERAL # 1, J-34-T23S-R32E, completed 12/19/1997,
in the Bone Spring Formation, top perfs 9862 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 23 Range 32 Section 34: SE/4

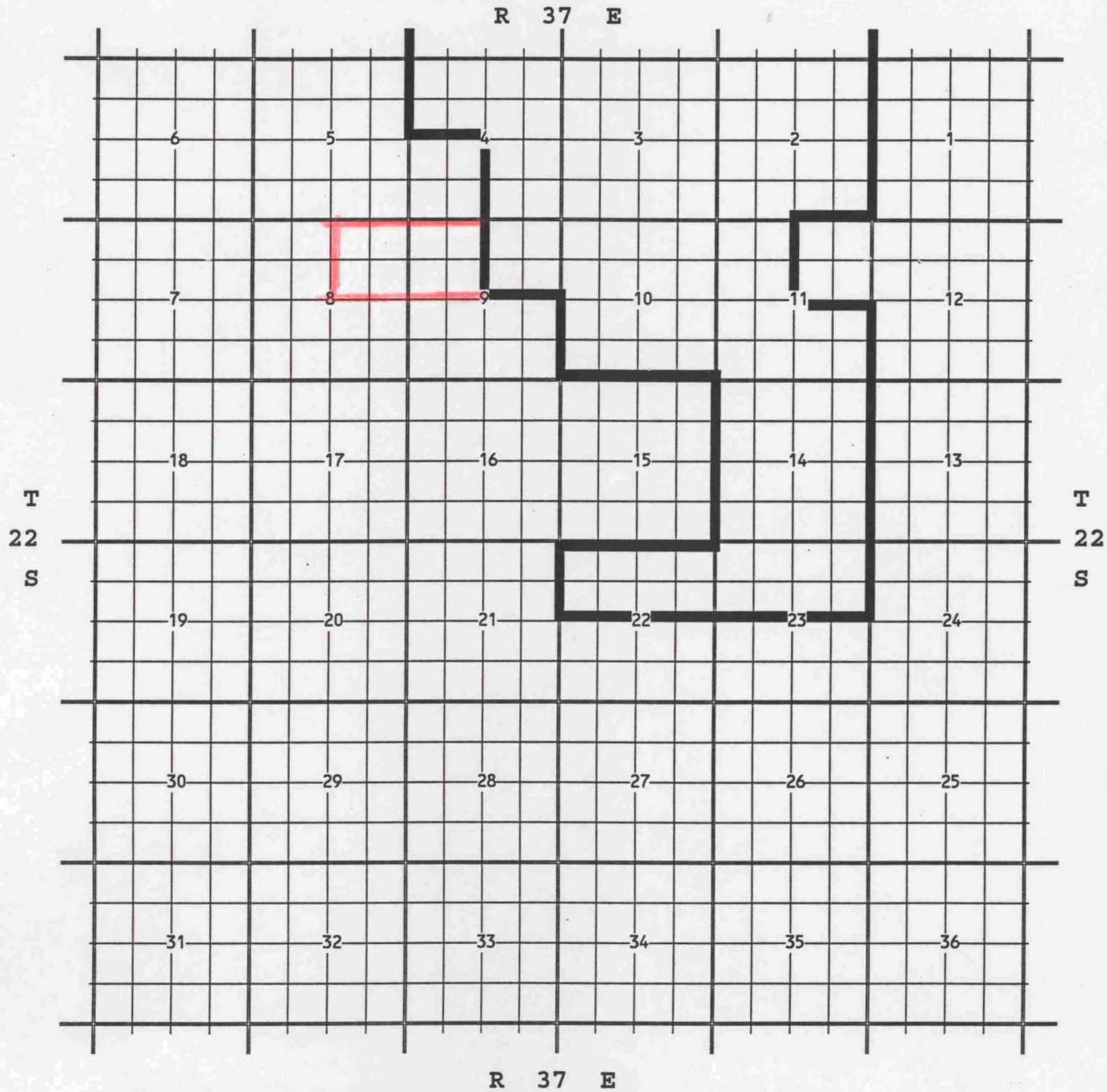
CASE NO. 12090 (YY) EXTENSION OF AN EXISTING OIL POOL
COUNTY: LEA POOL: VACUUM;WOLFCAMP
TOWNSHIP: 18 SOUTH RANGE: 35 EAST NMPM



PURPOSE: One completed oil well capable of producing.
MARATHON OIL CO, WARN STATE A/C 2 # 26, E-6-T18S-R35E, completed 05/29/1998, in the Wolfcamp Formation, top perfs 9495 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 18 Range 35 Section 6 : NW/4

CASE NO. 12090 (~~22~~) EXTENSION OF AN EXISTING OIL POOL
COUNTY: LEA POOL: WANTZ;ABO
TOWNSHIP: 22 SOUTH RANGE: 37 EAST NMPM



PURPOSE: One completed oil well capable of producing.
ZIA ENERGY INC, GRIZZELL B # 4, G-8-T22S-R37E, completed 03/22/1998, in the Abo Formation,
top perfs 7100 ft.

Pool boundry in bold outline.
Proposed pool extension outline in red. Township 22 Range 37 Section 8 : NE/4
Township 22 Range 37 Section 9 : NW/4

Insert

Color Page/Photo

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*Insert 42
color pages*