

-asa / No.

24494

plication, Transcript,

and Exhibits, Etc.

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. 2494
Order No. R-2187

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 14, 1962, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 21st day of February, 1962, 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 Lea County, New Mexico, for the production of gas from the Devonian formation, said pool to bear the designation North Bell Lake-Devonian Gas Pool. Said North Bell Lake-Devonian Gas Pool was discovered by Continental Oil Company, Bell Lake Unit No. 6 located in the SE/4, Unit 0 of Section 6, Township 23 South, Range 34 East, NMPM. It was completed June 8, 1960. The top of perforations is 14,568 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 Morrow formation, said pool to bear the designation Cedar Lake-Morrow Gas Pool. Said Cedar Lake-Morrow Gas Pool was discovered by Odessa Natural Gasoline Company, El Paso State No. 1 located in the NE/4, Unit A, of Section 36, Township 17 South, Range 30 East, NMPM. It was completed February 11, 1961. The top of perforations is 11,357 feet.

(4) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Seven Rivers formation, said pool to bear the designation East Empire Yates-Seven Rivers Pool. Said East Empire Yates-Seven Rivers Pool was discovered by John A. Yates, Lois Mae State No. 1, located in the S/2, Unit X of Section 27, Township 17 South, Range 28 East, NMPM. It was completed June 22, 1961. The top of perforations is 786 feet.

(5) That 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 North Justis-Devonian Pool. Said North Justis-Devonian Pool was discovered by Shell Oil Company, State JM No. 1, located in the NE/4, Unit B of Section 2, Township 25 South, Range 37 East, NMPM. It was completed December 11, 1961. The top of perforations is 7064 feet.

(6) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation East Mason-Delaware Pool. Said East Mason-Delaware pool was discovered by Robert M. Enfield, Ohio State No. 1, located in the SW/4, Unit X of Section 16, Township 26 South, Range 32 East NMPM. It was completed December 1, 1961. The top of perforations is 4443 feet.

(7) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Queen formation, said pool to bear the designation West McMillan Seven Rivers-Queen Pool. Said West McMillan Seven Rivers-Queen Pool was discovered by Hondo Oil & Gas Company, Federal M, No. 1, located in the SE/4, Unit J of Section 11, Township 20 South, Range 26 East, NMPM. It was completed September 19, 1961. The top of perforations is 520 feet.

(8) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Seven Rivers formation, said pool to bear the designation Palmillo-Seven Rivers Pool. Said Palmillo-Seven Rivers Pool was discovered by John A. Yates, Campbell Gwaltney No. 1, located in the NW/4, Unit D of Section 18, Township 19 South, Range 29 East, NMPM. It was completed September 2, 1960. The top of perforations is 1258 feet.

(9) That the need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Bone Springs formation, said pool to bear the designation Quail Ridge Bone Springs Pool. Said Quail Ridge-Bone Springs Pool was discovered by El Paso Natural Gas Company, Mescalero Ridge Unit No. 1, located in the NW/4, Unit D of Section 21, Township 19 South, Range 34 East, NMPM. It was completed October 17, 1961. The top of perforations is 10,118 feet.

(10) That 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 North Quail Ridge-Morrow Gas Pool. Said North Quail Ridge-Morrow Gas Pool was discovered by El Paso Natural Gas Company, Mescalero Unit No. 1, located in the NE/4, Unit G of Section 7, Township 19 South, Range 34 East, NMPM. It was completed April 11, 1961.

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The top of perforations is 13,160 feet.

(11) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of gas from the Pennsylvanian formation, said pool to bear the designation West Tonto-Pennsylvanian Gas Pool. Said West Tonto-Pennsylvanian Gas Pool was discovered by Pan American Petroleum Corporation, West Tonto Deep Unit No. 1, located in the NW/4, Unit E of Section 18, Township 19 South, Range 33 East, NMPM. It was completed on April 3, 1960. The top of perforations is 13,325 feet.

(12) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Bend formation, said pool to bear the designation North Williams-Pennsylvanian Pool. Said North Williams-Pennsylvanian Pool was discovered by Humble Oil & Refining Company, New Mexico State BL No. 1, located in the NW/4, Unit C of Section 16, Township 13 South, Range 32 East, NMPM. It was completed November 1, 1961. The top of perforations is 11,050 feet.

(13) That the name of the Greenwood-Wolfcamp Pool, Eddy County, New Mexico, should be changed to Shugart-Wolfcamp Pool, Eddy County, New Mexico, in order that both pools discovered by Pan American Petroleum Corporation, Greenwood Unit No. 3 in Unit H of Section 27, Township 18 South, Range 31 East, (dual completion) should have similar nomenclature.

(14) That there is need for the abolishment of the McMillan-Seven Rivers Pool as it lies wholly within the boundaries of another pool with the same vertical limits, the McMillan (Seven Rivers-Queen) Pool.

(15) That there is need for the deletion of certain portions of the Empire (Yates-Seven Rivers) Pool, Leo (Queen-Grayburg) Pool, Loco Hills-Queen Pool, and the Square Lake (Grayburg-San Andres) Pool, all in Eddy County, New Mexico.

(16) That there is need for certain extensions to the Artesia (Queen-Grayburg-San Andres) Pool, the Dog Canyon-Grayburg Pool, the Empire-Abo Pool, the Loco Hills-Abo Pool, the Loco Hills (Grayburg-San Andres) Pool, the East Millman-Seven Rivers Pool, the Parallel-Delaware Pool, the Russell (Yates) Pool, the Vandagriff Keyes Gas (Queen) Pool, the White City-Pennsylvanian Gas Pool, all in Eddy County, New Mexico, the Caprock-Queen Pool in Chavez County, New Mexico, the Milnesand-San Andres Pool in Roosevelt County, and the Anderson Ranch-Wolfcamp Pool, the Cruz-Delaware Pool, the Dollarhide-Queen Pool, the Drinkard Pool, the Jenkins-Wolfcamp Pool, the Lea-Devonian Pool, the Lusk-Strawn Pool, the Maljamar Pool, the Maljamar-Abo Pool, the Paduca-Delaware Pool, the Pearl-Queen Pool, and the North Skaggs-Drinkard Gas Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 6: SE/4

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

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 36: NE/4

(c) That a new pool in Eddy County, New Mexico, classified as an oil pool for Seven Rivers production, is hereby created and designated as the East Empire Yates-Seven Rivers Pool, consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 17: S/2

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, is hereby created and designated as the North Justis-Devonian Pool, consisting of the following described area:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 2: NE/4

(e) That a new pool in Lea County, New Mexico, classified as an oil pool for Delaware production, is hereby created and designated as the East Mason-Delaware Pool, consisting of the following described area:

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
Section 16: SW/4

(f) That a new pool in Eddy County, New Mexico, classified as an oil pool for Queen production, is hereby created and designated as the West McMillan Seven Rivers-Queen Pool, consisting of the following described area:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 11: SE/4

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

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 18: NW/4

(h) That a new pool in Lea County, New Mexico, classified as an oil pool for Bone Springs production, is hereby created and designated as the Quail Ridge-Bone Springs Pool, consisting of the following described area:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 21: NW/4

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

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 7: NE/4

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

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM
Section 15: NW/4

(k) That a new pool in Lea County, New Mexico, classified as an oil pool for Bend Production, is hereby created and designated as the North Williams-Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 13 SOUTH, RANGE 32 EAST, NMPM
Section 15: NW/4

(l) That the name of the Greenwood-Wolfcamp Pool, Eddy County, New Mexico, be changed to Shugart-Wolfcamp Pool, Eddy County, New Mexico, in order that both pools discovered by Pan American Petroleum Corporation, Greenwood Unit No. 3 in Unit H should have similar nomenclature. Said pool shall comprise the following described acreage:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
Section 27: NE/4

(m) That the McMillan-Seven Rivers Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, and consisting of the following described area:

TOWNSHIP 19 SOUTH, RANGE 27 EAST, NMPM
Section 31: E/2 SE/4 & SE/4 NE/4
Section 32: SW/4 & S/2 NW/4

is hereby abolished.

(n) That the Empire (Yates-Seven Rivers) Pool, in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 16: All
Section 17: S/2
Section 20: N/2
Section 21: W/2 & SE/4

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(o) That the Leo (Queen-Grayburg) Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM

Section 12: S/2 SW/4

Section 13: W/2

Section 14: SE/4

Section 16: S/2

Section 21: NW/4

Section 23: E/2

(p) That the Loco Hills-Queen Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM

Section 30: SE/4

(q) That the Square Lake (Grayburg-San Andres) Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 9: SW/4 & W/2 SE/4

(r) That the Anderson Ranch-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 32 EAST, NMPM

Section 28: S/2 SW/4

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

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM

Section 32: NE/4

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

TOWNSHIP 13 SOUTH, RANGE 31 EAST, NMPM

Section 10: SE/4

(u) That the Cruz-Delaware 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 24: SE/4

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

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TOWNSHIP 16 SOUTH, RANGE 27 EAST, NMPM
Section 27: SW/4 NE/4
Section 34: NW/4 NW/4

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

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
Section 24: NE/4

(x) That the Drinkard 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 19: SE/4 SW/4
Section 30: E/2 NW/4

(y) That the Empire-Abo Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 29: N/2 SW/4
Section 30: S/2 NE/4

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
Section 15: NW/4 SE/4

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

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
Section 10: N/2 NW/4

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

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
Section 11: SE/4

(bb) That the Loco Hills-Abo Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 21: SE/4

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

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM
Section 19: E/2 SE/4

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(dd) That the Lusk-Stream 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 26: NW/4

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

TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM
Section 32: SE/4

(ff) That the Maljamar-Abo 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 28: E/2

(gg) That the East Millman-Seven Rivers Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 28: NE/4

(hh) That the Milnesand-San Andres Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
Section 13: S/2 NE/4

(ii) That 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 10: W/2 NE/4
Section 28: N/2 SW/4

(jj) That the Parallel-Delaware Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
Section 26: NW/4
Section 27: NE/4

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

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TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
Section 9: NW/4 NW/4

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

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM
Section 22: SE/4 SE/4
Section 27: E/2 NE/4

(mm) That the North Skaggs-Brinkard Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 5: NW/4

(nn) That the Vandegriff Keyes (Queen) Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM
Section 38: NW/4

(oo) That the White City-Pennsylvanian Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
Section 28: E/2

IT IS FURTHER ORDERED:

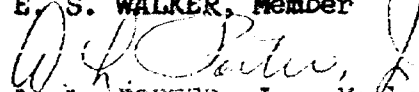
That the effective date of this order and all creations, change of pool names, abolishments, deletions and extensions included herein shall be March 1, 1962.

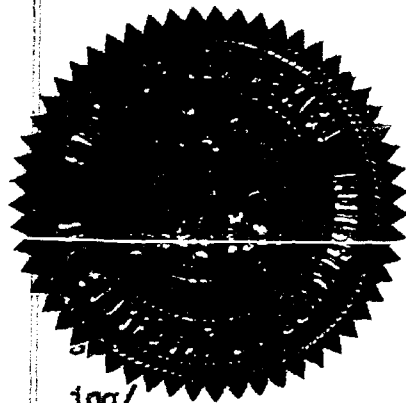
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


EDWIN L. MECHEM, Chairman


E. S. WALKER, Member


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



idg/

NOMENCLATURE ADVERTISEMENT FOR FEBRUARY 1962

CASE 2494

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, for the change of pool name, and the abolishment, deletion and extension of certain existing pools, in 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, change of pool name, abolishment, deletion and extensions should not be made.

a) CREATE a new pool in Lea County, New Mexico, classified as an gas pool for Devonian production, designated as the North Bell Lake-Devonian Gas Pool, and described as:

✓ TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
SECTION 6: SE/4

b) CREATE a new pool in Eddy County, New Mexico, classified as an gas pool for Morrow production, designated as the Cedar Lake-Morrow Gas Pool, and described as:

✓ ✓ TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
SECTION 36: NE/4

c) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Seven Rivers production, designated as the ~~East Empire Seven~~ *East Empire Yates-Seven Rivers* Pool, and described as:

✓ TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
SECTION 27: S/2

d) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the North Justice Devonian Pool, and described as:

✓ TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
SECTION 2: NE/4

e) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Delaware production, designated as the East Mason-Delaware Pool, and described as:

✓ TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
SECTION 16: SW/4

f) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Queen production, designated as the ~~McMillan-Queen~~ *West Mc Millan Seven Rivers-Queen* Pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 26 SOUTH, NMPM
SECTION 11: SE/4

-2- February 1962, Nomenclature

g) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Seven Rivers production, designated as the Palmillo-Seven Rivers Pool, and described as:

✓ ✓ TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
SECTION 18: NW/4

h) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Bone Springs production, designated as the Quail Ridge-Bone Springs Pool, and described as:

✓ ✓ TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
SECTION 21: NW/4

i) CREATE a new pool in Lea County, New Mexico, classified as an gas pool for Morrow production, designated as the North Quail Ridge-Morrow Gas Pool, and described as:

✓ ✓ TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: NE/4

j) CREATE a new pool in Lea County, New Mexico, classified as an gas pool for Pennsylvanian production, designated as the West Tonto-Pennsylvanian Gas Pool, and described as:

✓ ✓ TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM
SECTION 18: NW/4

k) CREATE a new pool in Lea County, New Mexico, classified as an oil pool in Pennsylvanian production, designated as the North Williams-Pennsylvanian Pool, and described as:

✓ ✓ TOWNSHIP 13 SOUTH, RANGE 32 EAST, NMPM
SECTION 16: NW/4

l) CHANGE OF POOL NAME in Eddy County, New Mexico, classified as an oil pool in Wolfcamp production, designated as Greenwood-Wolfcamp Pool and changed to be Shugart-Wolfcamp Pool in order that both pools discovered by Pan American Petroleum Corporation, Greenwood Unit No. 3, Unit II, Section 27, Township 18 South, Range 31 East, NMPM. should have more similar definitive nomenclature, and described as:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
SECTION 27: NE/4

m) ABOLISH the McMillan-Seven Rivers Pool in Eddy County, New Mexico, described as: *comprising:*

✓ ✓ TOWNSHIP 19 SOUTH, RANGE 27 EAST, NMPM
SECTION 31: E/2 SE/4, SE/4 NE/4
SECTION 32: SW/4, S/2 NW/4

Contract the _____ Pool in
Eddy County has been by the
deletion of certain acreage.

-3- February 1962 Not an enclosure

Contract (Yates - Seven Rivers)

n) ~~DELETE~~ the Empire ~~Seven Rivers~~ Pool in Eddy County, New Mexico,
~~described as:~~ *by the deletion of the following described Area:*

✓ TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
SECTION 16: All
SECTION 17: S/2
SECTION 20: N/2
SECTION 21: W/2 & SE/4

Contract

o) ~~DELETE~~ the Leo ~~Queen-Grayburg~~ Pool in Eddy County, New Mexico,
~~described as:~~ *by the deletion of the following described area:*

✓ TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
SECTION 12: S/2 SW/4
SECTION 13: W/2
SECTION 14: SE/4
SECTION 16: S/2
SECTION 21: NW/4
SECTION 23: E/2

Contract

p) ~~DELETE~~ the Loco Hills-Queen Pool in Eddy County, New Mexico,
~~described as:~~ *by the deletion of the following described area:*

✓ TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
SECTION 30: SE/4

Contract

q) ~~DELETE~~ the Square Lake ~~Grayburg-San Andres~~ Pool in Eddy County,
New Mexico, ~~described as:~~ *by the deletion of the following described area:*

✓ TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 9: SW/4 & W/2 SE/4

r) EXTEND the Anderson Ranch ~~Wolfcamp~~ Pool in Lea County, New
Mexico, to include therein:

✓ TOWNSHIP 15 SOUTH, RANGE 32 EAST, NMPM
SECTION 28: S/2 SW/4

s) EXTEND the Artesia Queen-Grayburg-San Andres Pool in Eddy County,
New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
SECTION 32: NE/4

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

✓ TOWNSHIP 13 SOUTH, RANGE 31 EAST, NMPM
SECTION 10: SE/4

u) EXTEND the Cruz-Delaware Pool in Lea County, New Mexico, to
include therein:

✓ TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM
SECTION 24: SE/4

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v) EXTEND the Dog Canyon-Grayburg Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 27 EAST, NMPM
SECTION 27: SW/4 NE/4
SECTION 34: NW/4 NW/4

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

✓ TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
SECTION 24: NE/4

x) EXTEND the Drinkard Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 30: E/2 NW/4

y) EXTEND the Empire-Abo Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 30: S/2 NE/4

✓ TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
SECTION 16: NW/4 SE/4

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

✓ TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
SECTION 10: N/2 NW/4

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

✓ TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 11: SE/4

bb) EXTEND the Loco Hills-Abo Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
SECTION 21: SE/4

cc) EXTEND the Loco Hills(Grayburg-San Andres) Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM
SECTION 19: E/2 SE/4

dd) EXTEND the Lusk-Strawn Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM
SECTION 20: NW/4

-5- February 1962, Nomenclature

ee) EXTEND the Maljamar Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM
SECTION 32: SE/4

ff) EXTEND the Maljamar-Abo Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM
SECTION 28: E/2

gg) EXTEND the East Millman-Seven Rivers Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
SECTION 28: NE/4

hh) EXTEND the Milnesand-San Andres Pool in Roosevelt County, New Mexico, to include therein:

✓ TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
SECTION 13: S/2 NE/4

ii) EXTEND the Paduca-Delaware Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 25 SOUTH, RANGE 32 EAST, NMPM
SECTION 10: W/2 NE/4
SECTION 28: N/2 SW/4

jj) EXTEND the Parallel-Delaware Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
SECTION 26: NW/4
SECTION 27: NE/4

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

✓ TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
SECTION 9: NW/4 NW/4

ll) EXTEND the Russell Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM
SECTION 22: SE/4 SE/4
SECTION 27: E/2 NE/4

mm) EXTEND the North Skaggs-Drinkard Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
SECTION 5: SW/4

-6- February 1962, Nomenclature

nn) EXTEND the Vandagriff-Keyes Gas Pool in Eddy County, New Mexico,
to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM
SECTION 33: NE/4

oo) EXTEND the Whites City-Pennsylvanian Gas Pool in Eddy County,
New Mexico, to include therein:

✓ TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
SECTION 20: E/2

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

February 14, 1962

REGULAR HEARING

IN THE MATTER OF:

Southeastern New Mexico nomenclature
case calling for an order creating new
pools, extending, abolishing and con-
tracting certain existing pools and
changing pool name in Eddy, Lea and
Roosevelt Counties, New Mexico.

CASE NO.
2494

BEFORE: Edwin L. Mechem, Governor
E. S. "Johnny" Walker, Land Commissioner
A. L. "Pete" Porter, Secretary-Director of Commission

TRANSCRIPT OF HEARING

MR. PORTER: The Hearing will come to order.

MR. WHITFIELD: Case No. 2494, Southeastern New Mexico
nomenclature case.

Mr. Nutter, will you stand and be sworn?

(Witness sworn.)

DANIEL S. NUTTER,

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

DIRECT EXAMINATION

BY MR. MORRIS:

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6011

Q Will you state your name and position, for the record, please?

A Daniel Nutter, chief engineer for the New Mexico Oil Conservation Commission.

Q Mr. Nutter, in your capacity with the Commission, are you prepared to testify concerning the necessity of creating new pools, extending, abolishing and contracting certain existing pools and changing the name of a pool in Eddy, Lea and Roosevelt Counties, New Mexico?

A Yes, sir.

Q Have you prepared an exhibit reflecting your recommendations?

A I have had such an exhibit prepared. Yes, sir.

Q Is that marked as Exhibit 1 in Case 2494?

A Yes, sir.

Q Referring to that exhibit, Mr. Nutter, do you have a recommendation concerning the creation of a new gas pool for Devonian production?

A Yes, sir. I would recommend that a new gas pool for Devonian production be created, designated as the North Bell Lake Devonian Gas Pool, comprising the SE/4 of Section 6, Township 23 South, Range 34 East. This pool was discovered by the Devonian Bell Lake No. 6 in Section 6, Township 23 South, Range 34 East. It was completed June 8, 1960. The top of perforations is 14,008 feet.



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PHONE 243 6691

Q Do you have a recommendation concerning the creation of a new gas pool for Morrow production?

A Yes, sir. I would recommend that a new gas pool for Morrow production be created, designated as the Cedar Lake-Morrow Gas Pool, comprising the Northeast quarter of Section 36, Township 17 South, Range 30 East. This pool was discovered by El Paso's State No. 1, located in Unit E, of Section 36. It was completed in the Morrow Sand February 11, 1961. The top of the perforation is at 12,357.

Q Do you have a recommendation concerning the creation of a new oil pool for Seven Rivers production?

A Yes, sir. I would recommend that the East Empire Yates Seven Rivers Pool be created comprising the South half of Section 27, Township 17 South, Range 28 East, Eddy County, New Mexico. This pool was discovered by the John Yates State Well, No. 1 located in Unit K, Section 27, Township 17 South, Range 30 East. It was completed in the Seven Rivers formation June 22, 1961. The top of the perforation is 786 feet.

Q Do you have a recommendation concerning the creation of a new oil pool for Devonian production?

A Yes, sir. I recommend that a new oil pool be created designated as the North Justis-Devonian Pool and comprising the Northeast quarter of Section 2, Township 25 South, Range 37 East, Lea County. This Pool was discovered by Shell Oil Company's State JM-1, located in Unit B, Township 25 South, Range 37 East.



This well was completed in the Devonian formation December 1, 1961. The top of the perforation was 7,064 feet.

Q Do you have a recommendation concerning the creation of a new oil pool for Delaware production?

A Yes, sir. I would recommend that the East Mason-Delaware Pool be created comprising the Southwest quarter of Section 16, Township 26 South, Range 32 East. This pool was discovered by N. L. Fields, Ohio State No. 1, located in Unit K of Section 16, Township 26 South, Range 32 East. It was completed in the Delaware formation December 19, 1961. The top of the perforation is at 4,443 feet.

Q Do you have a recommendation concerning the creation of a new oil pool for Queen production?

A Yes, sir. I would recommend that the West McMillan Seven Rivers-Queen Pool be created comprising the Southeast quarter of Section 11, Township 20 South, Range 26 East. This pool was discovered by Honda Oil & Gas Federal No. 1, located in Unit J, Section 11, Township 20 South, Range 26 East. The top of perforations was 525 feet.

Q Do you have a recommendation concerning the creating of a new oil pool for the Seven Rivers production?

A Yes, sir. I recommend that the Palmillo-Seven Rivers Pool be created, comprising the Northwest quarter of Section 18, Township 19 South, Range 29 East, Eddy County. This pool was discovered January 5, 1961, by the John Yates No. 2, located in

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Unit D of said Section 18. It was completed in the Seven Rivers formation September 2, 1961. The top of perforation is 1,258 feet.

Q Do you have a recommendation concerning the creating of a new oil pool for Bone Springs production?

A Yes, sir. I would recommend that the Quail Ridge-Bone Springs Pool be created, comprising the Northwest quarter of Section 21, Township 19 South, Range 34 East. This pool was discovered by El Paso Natural Gas Company Mescalero No. 1 in Unit D of Section 21. It was completed in the Bone Spring formation October 17, 1961. The top of perforation is at 1,118 feet.

Q Do you have a recommendation concerning the creation of a new gas pool for Morrow production?

A Yes, sir. I would recommend the creation of the North Quail Ridge-Morrow Gas Pool, comprising the Northeast quarter of Section 7, Township 19 South, Range 34 East. This pool was discovered by El Paso Natural Gas Company's Mescalero Unit No. 1 in Unit G of Section 7, Township 19 South, Range 34 East. It was completed in the Morrow formation April 11, 1961, with the top of perforation at 13,160 feet.

Q Do you have a recommendation concerning the creating of a new gas pool for Pennsylvanian production?

A Yes, sir. I would recommend that the West Tonto-Pennsylvanian Gas Pool be created, comprising the Northwest quarter of Section 18, Township 19 South, Range 33 East, Lea



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County. This pool was discovered by Pan American Petroleum Company, Weston Well No. 1, Unit E of Section 18, Township 19 South, Range 33 East. It was completed in the Pennsylvanian formation April 3, 1960, with the top perforations at 13,325 feet.

Q Do you have a recommendation concerning the creation of a new oil pool for Pennsylvanian production?

A Yes, sir. I would recommend that the North Williams-Pennsylvanian Pool be created, comprising the Northwest quarter of Section 16, Township 13 South, Range 32 East, Lea County. This pool was discovered by Humble Oil & Refining Company's New Mexico State B Well No. 1, located in Unit C, Section 16, Township 13 South, Range 32 East. It was completed in the Pennsylvanian formation November 1, 1961, with the top of perforations at 11,050 feet.

Q Do you have a recommendation concerning a proposed change in name of the Greenwood-Wolfcamp Pool?

A Yes, sir. In order that the two pools in the same area be called by similar names, I would recommend that the Greenwood-Wolfcamp Pool, comprising the Northeast quarter of Section 27, Township 18 South, Range 31 East, be changed to the Shugart-Wolfcamp Pool, with the same horizontal and vertical figures.

Q Do you have a recommendation concerning the McMillan-Seven Rivers Pool?

A Yes, sir. I would recommend that the McMillan-Seven



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Rivers Pool comprising certain acreage in Section 31 down to Section 32. Township 19 South, Range 27 East, be abolished inasmuch as it lies wholly within the boundaries of another pool with the same vertical limits, being the McMillan-Seven Rivers Queen pool.

Q Do you have a recommendation concerning the contracting of the Empire (Yates-Seven Rivers) Pool?

A I would recommend certain deletions in Sections 16, 17, 20, and 21 of Township 17 South, Range 28 East, within the boundaries of the Empire (Yates-Seven Rivers) Pool, as this acreage is non-productive.

Q Do you have a recommendation concerning the contracting of the Leo Queen-Grayburg Pool?

A I would recommend that certain acreage in Section 12, 13, 14, 16, 21, and 23, Township 18 South, Range 30 East, be deleted from the Leo Queen-Grayburg Pool, inasmuch as this acreage is non-productive.

Q Do you have a recommendation concerning the contracting of the Loco Hills-Queen Pool?

A Yes, sir. I would recommend that certain acreage in Township 17 South, Range 30 East, be deleted from the Loco Hills-Queen Pool.

Q Do you have a recommendation concerning the contracting of the Square Lake Grayburg San Andres Pool?

A I would recommend that certain acreage in Section 9,



Township 17 South, Range 29 East, be deleted from the Square Lake Grayburg-San Andres Pool.

Q Mr. Nutter, with respect to the rest of your Exhibit No. 1, which proposes the extension of certain pools in Eddy, Lea and Roosevelt Counties, does your exhibit reflect your recommendation concerning the extension of those pools?

A Yes, sir, and the extensions are identical with the extensions noted in Paragraph "R" through "Z" and "aa" through "oo" of the Case as shown on the docket with two exceptions. The exceptions will be shown on the docket, except Paragraph "X" extending the Drinkard Pool. In addition to the East half of the Northwest quarter of Section 30, I would recommend that the Southeast quarter of the Southwest quarter of Section 19 be added to the Drinkard Pool. With respect to Paragraph "Y" in addition to the extension shown on the docket, of the South half of the Northeast quarter of Section 30, Township 17 South, Range 29 East, I would also recommend that the North half of the Southwest quarter of Section 29, Township 17 South, Range 29 East, be added to the Empire-Abo Pool.

Q Those additions are reflected upon your Exhibit No. 1?

A They are reflected upon the exhibit.

Q All these extensions are based upon the new wells in various pools?

A Yes, sir.

Q Do you have anything further you would like to offer?

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ALBUQUERQUE, N. M.
PHONE 243 6191



A No, sir.

MR. MORRIS: I offer Exhibit No. 1 in evidence in Case 2494. That completes my examination.

MR. PORTER: The exhibit will be admitted.

Does anyone have any questions of Mr. Nutter?

MR. KENDRICK: Mr. Nutter, in Paragraph "A", I believe you read into the record that it was Township 23 South, Range 34 West. Is that correct?

MR. NUTTER: You could use it, but we are going to keep it in the East; it is 34 East.

MR. PORTER: I believe you did say west. Mr. Nutter, what did you give as the top of perforations in Paragraph "H" for that discovery well?

MR. NUTTER: I don't know what I gave, but it says here 520 feet.

MR. PORTER: Do you think that is correct?

MR. NUTTER: I would recommend that the top of the perforation be as depicted in the order be the correct perforation, if other than 520 feet.

MR. PORTER: Does anyone have anything further with this witness?

He may be excused.

(Witness excused.)

We will take this case under advisement and take up Case No. 2495.

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FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6591



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

I, CECIL LANGFORD, NOTARY PUBLIC in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached transcript of hearing was reported by me in stenotype and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

Cecil Langford
 NOTARY PUBLIC

My Commission Expires:

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
 PHONE 325-1182

ALBUQUERQUE, N. M.
 PHONE 243-6691



Art

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

MAIN OFFICE OCC

State of New Mexico
Oil Conservation Commission 12



LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

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

DRAWN BY
ARTESIA

February 9, 1962

A. L. Porter, Jr., Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: Letter of February
6, 1962

Dear Pete,

After receiving your letter of February 6, 1962, I went to Mr. Neil Wills office in Carlsbad to check out his objection to the Russell Pool extension advertised for February, 1962. Mr. Wills was not in and I talked to Mr. Bob Light. Mr. Light told me that they had sent the letter merely to point out that the well to be taken into the pool lay about one and one-half miles from production. They have no serious objection to the extension and will not be affected in any way by its approval.

In this case the well lies one-half mile from the pool boundary but one and one-half miles from production. The well is marginal and it is not likely that additional wells will be drilled. We, here, felt that it would be better to extend the old field than create a new one in this case.

Lincoln, Si; Castro, No.

Very truly yours,

Rich

R. L. Stamets
Geologist

RLS/hb

CASE 2494: (a) CREATION OF A GAS POOL

County

Pool

LEA
Tounship

Range

NORTH BELL LAKE-DEVONIAN GAS
NMPM

	28 South		34 East		
	5	4	3	2	1
6					
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 (1) completed gas well capable of producing.

Discovery Well: CONTINENTAL OIL COMPANY-Bell Lake Unit No. 6 in Unit 0 of

Section 6-28-34. Completed in Devonian June 8, 1960.

Top of Perforations 14,568'

Proposed pool boundary colored in green. Section 6: SE/4

BEFORE THE
OIL AND GAS COMMISSION
SANTA FE, NEW MEXICO

EXHIBIT No. 2494
CASE

CASE 2494: (b) CREATION OF A GAS POOL

County oddy Pool Cedar Lake - Morrow Gas

Township	178	Range	30E	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

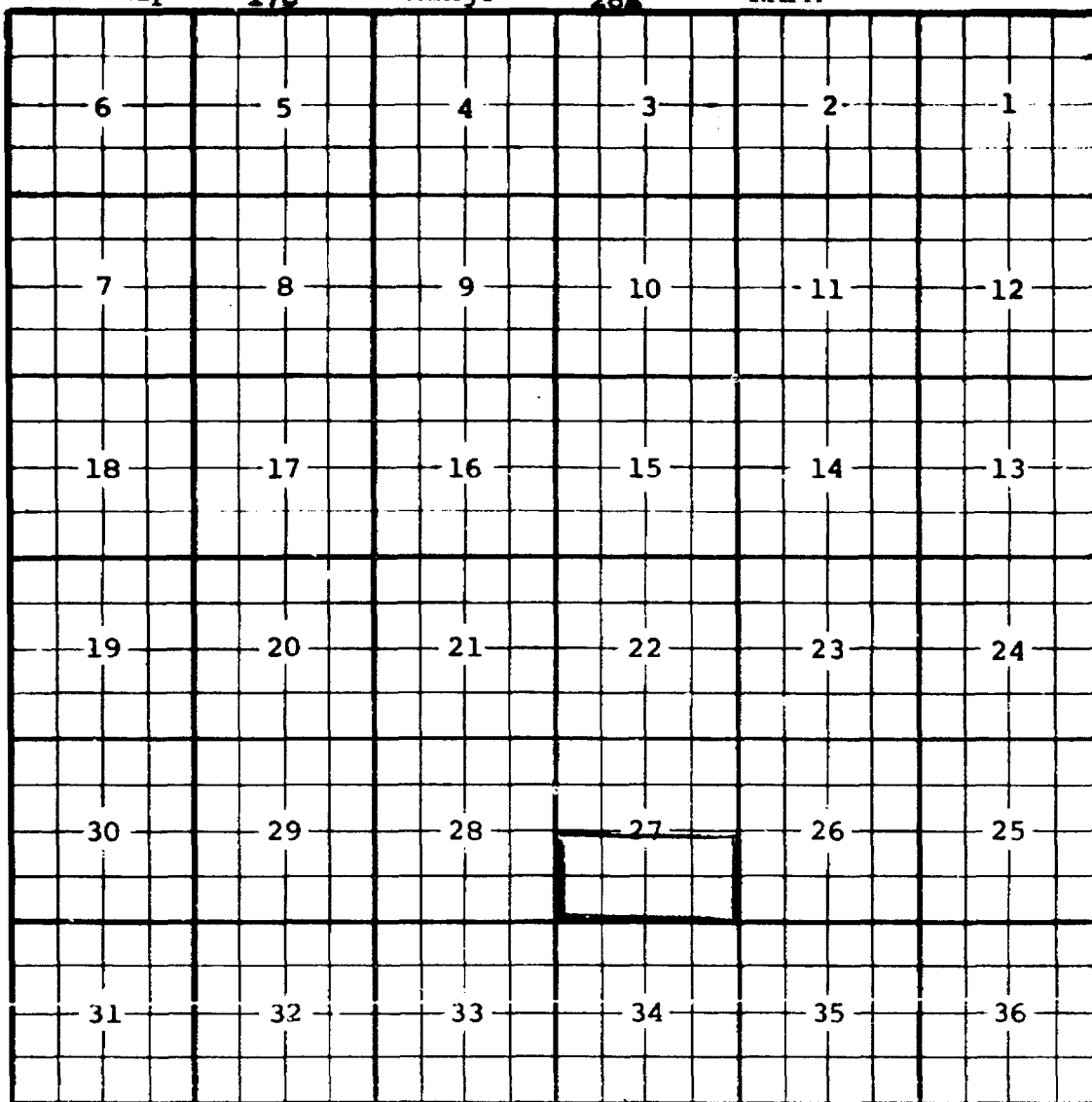
One completed gas well capable of producing
discovery well: Odessa Natural Gasoline Co. - El Paso State
No. 1 in Unit A of Section 36-17S-30E. Completed in Morrow
February 11, 1961. Top of Perforations 11,357.

Proposed pool boundary colored in green Section 36: NE/4

CASE 2494: (a) CREATION OF AN OIL POOL

County Eddy Pool East Empire - Yates - Seven Rivers

Township 17S Range 28E NMPM



Purpose: Two completed oil wells capable of producing
Discovery Well: John A Yates - Lois Mae St., No. 1 in Unit K
of Section 27-17-28. Completed in Seven Rivers June 22, 1961.
Top of Perforations 786.

Castle & Wigzell N.G. Phillips State No. 6 in Unit I of Section
27-17-28. Completed in Seven Rivers July 5, 1961, Top of
Perforations 830.

Proposed pool boundary colored in green. Section 27: S/2

CASE 2494: (d) CREATION OF AN OIL POOL

County LEA Pool NORTH JUSTIS-DEVONIAN

Township 25 South Range 37 East NMPM

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

PURPOSE: One (1) completed oil well capable of producing.

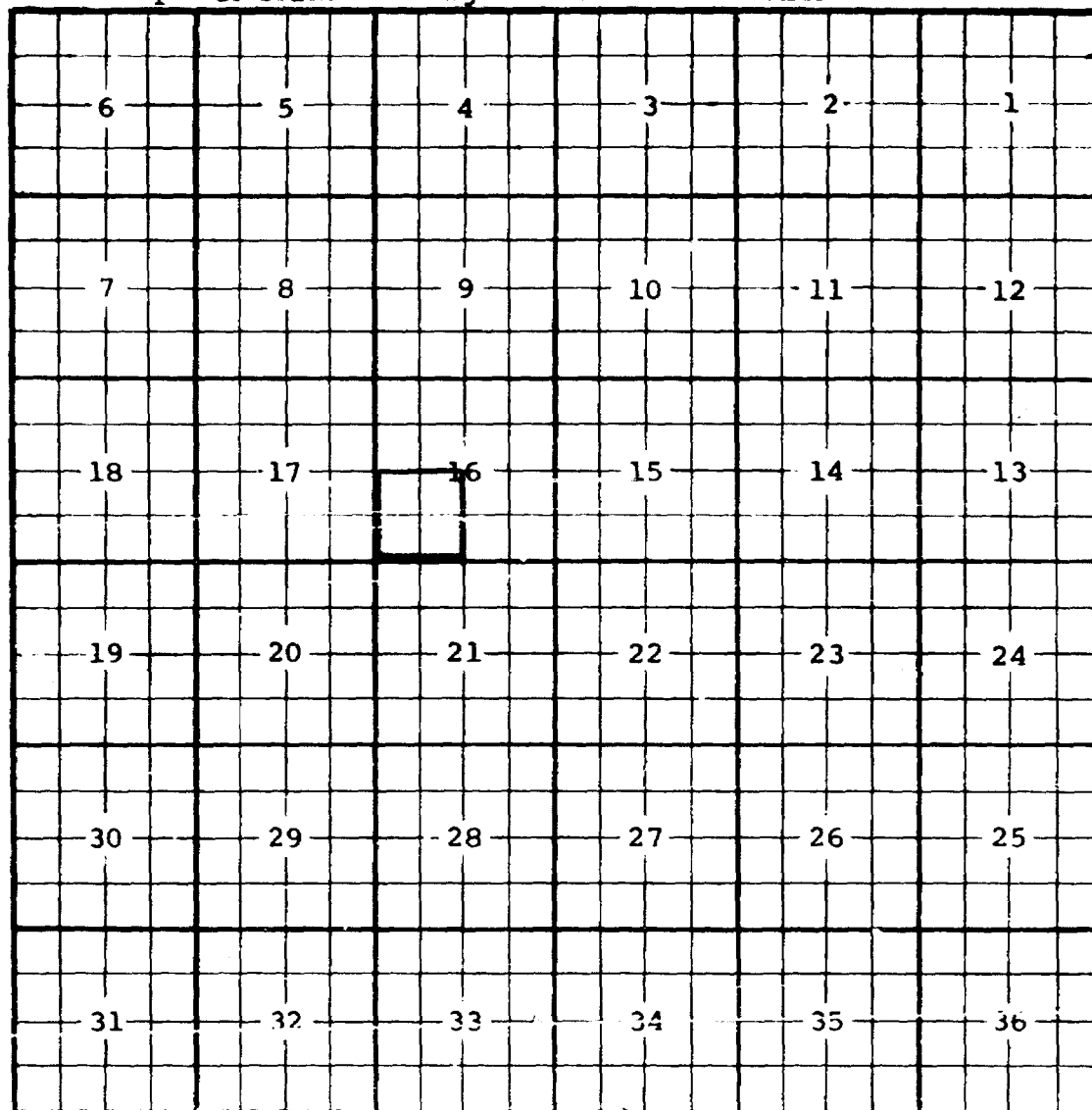
Discovery well: SHELL OIL COMPANY-State JM No. 1 in Unit B of Section 2-25-37.
 Completed in Devonian December 11, 1961. Top of Perforations
 7064'

Proposed pool boundary colored in green. Section 2: NE/4

CASE 2474: (e) CREATION OF AN OIL POOL

County Lee Pool EAST MASON-DELAWARE

Township 26 South Range 32 East NMPM



PURPOSE: One (1) completed oil well capable of producing.

Discovery well: ROBERT N. ENFIELD-Ohio State No. 1 in Unit K of Section 16-26-32.

Completed in Delaware December 1, 1961.

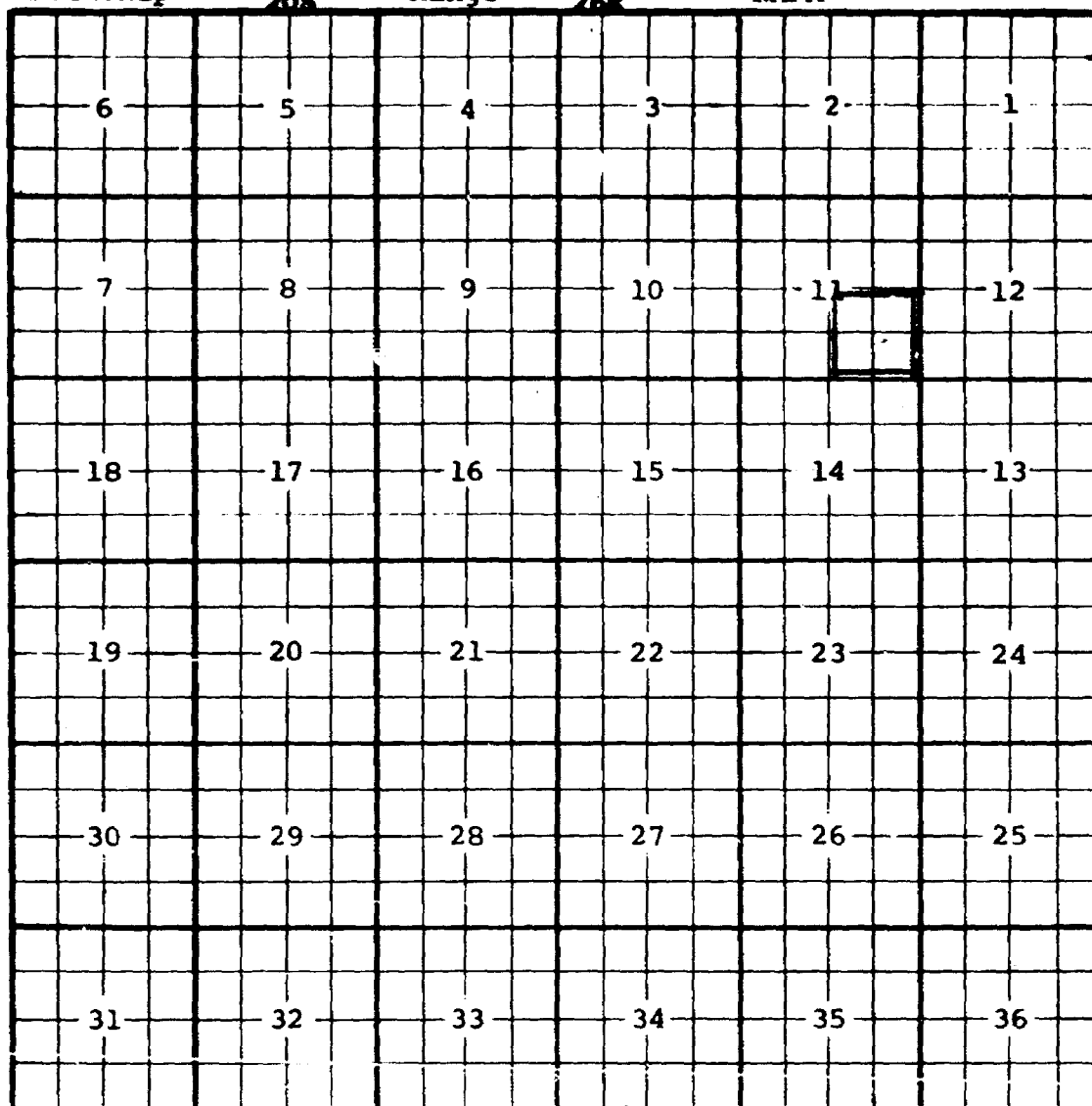
Top of Perforations 4443'

Proposed pool boundary colored in green. Section 16: SW/4

CASE 2494: (f) CREATION OF AN OIL POOL

County Eddy Pool West McMillan - Seven Rivers - Queen

Township 20S Range 26E NMPM



Purpose: One completed oil well capable of producing.

Discovery well: Bando Oil & Gas Co., Fed. M. No. 1 in Unit J of Section 11-20-26. Completed in Queen September 19, 1961. Top of Perforations 520.

Proposed pool boundary colored in green, Section 11: SE/4

CASE 3494: (g) CREATION OF AN OIL POOL

County addy Pool palmillo - Seven Rivers
Tounship 106 Range 247 NMPM

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

~~Purpose: One completed oil well capable of producing.~~
~~Discovery Well: John A Yates Campbell Gwaltney, No. 1 in~~
~~Unit D of Section 18-19-29. Completed in Seven Rivers~~
~~September 2, 1960. Top of perforations 1250.~~
~~Proposed pool boundary colored in green Section 18: NW/4~~

CASE 2494: (h) CREATION OF AN OIL POOL

County LEA Pool QUAIL RIDGE-BONE SPRINGS

Township 18 South Range 24 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 (1) completed oil well capable of producing.

Discovery well: EL PASO NATURAL GAS COMPANY-Mescalero Ridge Unit No. 1 in

Unit D of Section 21, 19-34. Completed in Bone Springs

October 17, 1961. Top of Perforations 10,118'

Proposed pool boundary colored in green. Section 21: NW/4

CASE 2494: (1) CREATION OF AN GAS POOL

County Los Pool NORTH CHAIL RIDGE-MORROW GAS

Township 19 South Range 34 East NMPM

6	5	4	3	2	1
	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 (1) completed gas well capable of producing.

Discovery Well: EL PASO NATURAL GAS COMPANY-Mescalero Unit No. 1 in Unit G
of Section 7-19-34. Completed in Morrow April 11, 1961.
Top of Perforations 13,160'

Proposed pool boundary colored in green. Section 7: NE/4

CASE 2494: (j) CREATION OF AN GAS POOL

County		Pool		TOWNSHIP		Range		NMPM	
LEA		WEST TONTO-PENNSYLVANIAN GAS		19 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: One (1) completed gas well capable of producing.

Discovery Well: PAN AMERICAN PETROLEUM CORPORATION-West Tonto Deep Unit No. 1

in Unit E of Section 18-19-33. Completed in Pennsylvanian

April 3, 1960. Top of perforations 13,325'

Proposed pool boundary colored in green: Section 18: NW/4

CASE 2494: (k) CREATION OF AN OIL POOL

County LEA Pool NORTH WILLIAMS-PENNSYLVANIAN
Tounship 18 South Range 33 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 (1) completed oil well capable of producing.

Discovery Well: HUMBLE OIL & REFINING COMPANY-New Mexico State BL No. 1
in Unit C of Section 16-13-32. Completed in Bend November 1, 1961.
Top of perforations 11,050'

Proposed pool boundary colored in green. Section 16: NW/4

CASE 2494: (1) CHANGE OF POOL NAME

County Eddy Pool Change to Shugart - Wolfcamp
 Tounship 18s Range 31E NMPM
 Change from Greenwood - Wolfcamp

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: To change the pool name to Shugart - Wolfcamp in
order that both pools discovered by Pan American Petroleum
Corp. Greenwood Unit No.3 in Unit H of Section 27-18-31,
Dual completion, should have more similar definitive
nomenclature.

Pool boundary colored in red: Section 27: NE/4

CASE 2494: (a) ABOLISHMENT OF EXISTING OIL POOL

County Eddy Pool McMillan Seven Rivers
 Tounship 136 Range 278 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: Pool to be abolished as it lies wholly within the boundaries of another pool with the same vertical limits, the McMillan (Seven Rivers - Queen) Pool.

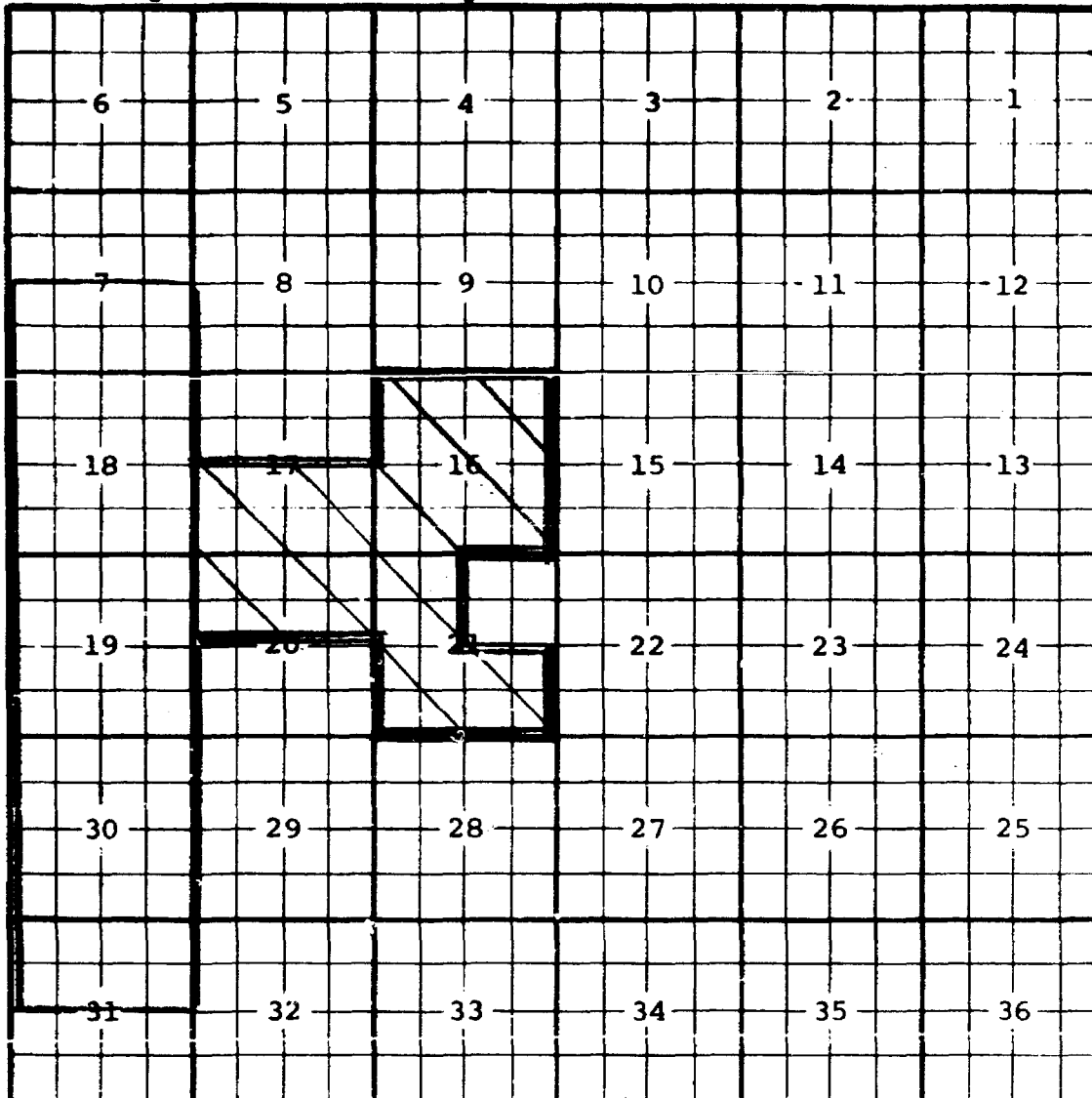
Proposed abolishment colored in blue.

Section 31: E/2 SE/4 & SE/4 NE/4

32: SW/4 & S/2 NW/4

CASE 2494: (a) DELETION OF CERTAIN PORTIONS OF AN EXISTING OIL POOL

County Reddy Pool Empire (Yates - Seven Rivers)
 Township 17S Range 28E NMPM



Purpose: To delete non-productive acreage from the Pool.

Pool boundary colored in red

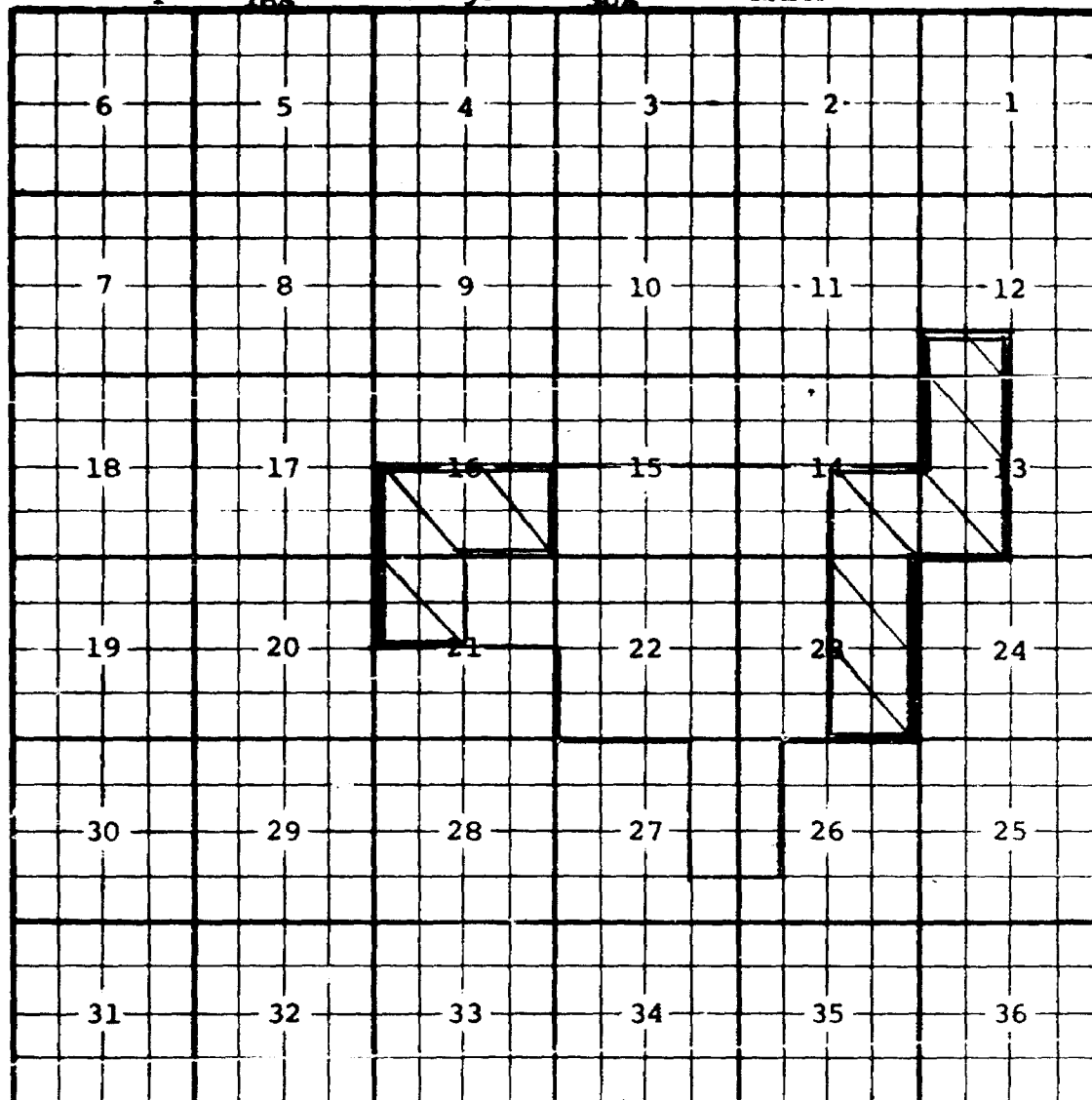
Proposed deletions colored in blue:

Section 16 all
 " 17 S/2
 " 20 N/2
 " 21 W/2 & SE/4

CASE 2494: (o) DELETION OF CERTAIN PORTIONS OF AN EXISTING OIL POOL

County Eddy Pool Leo (Queen-Grayburg)

Township 18S Range 30E NMPM



Purpose: To delete non productive acreage from the pool.

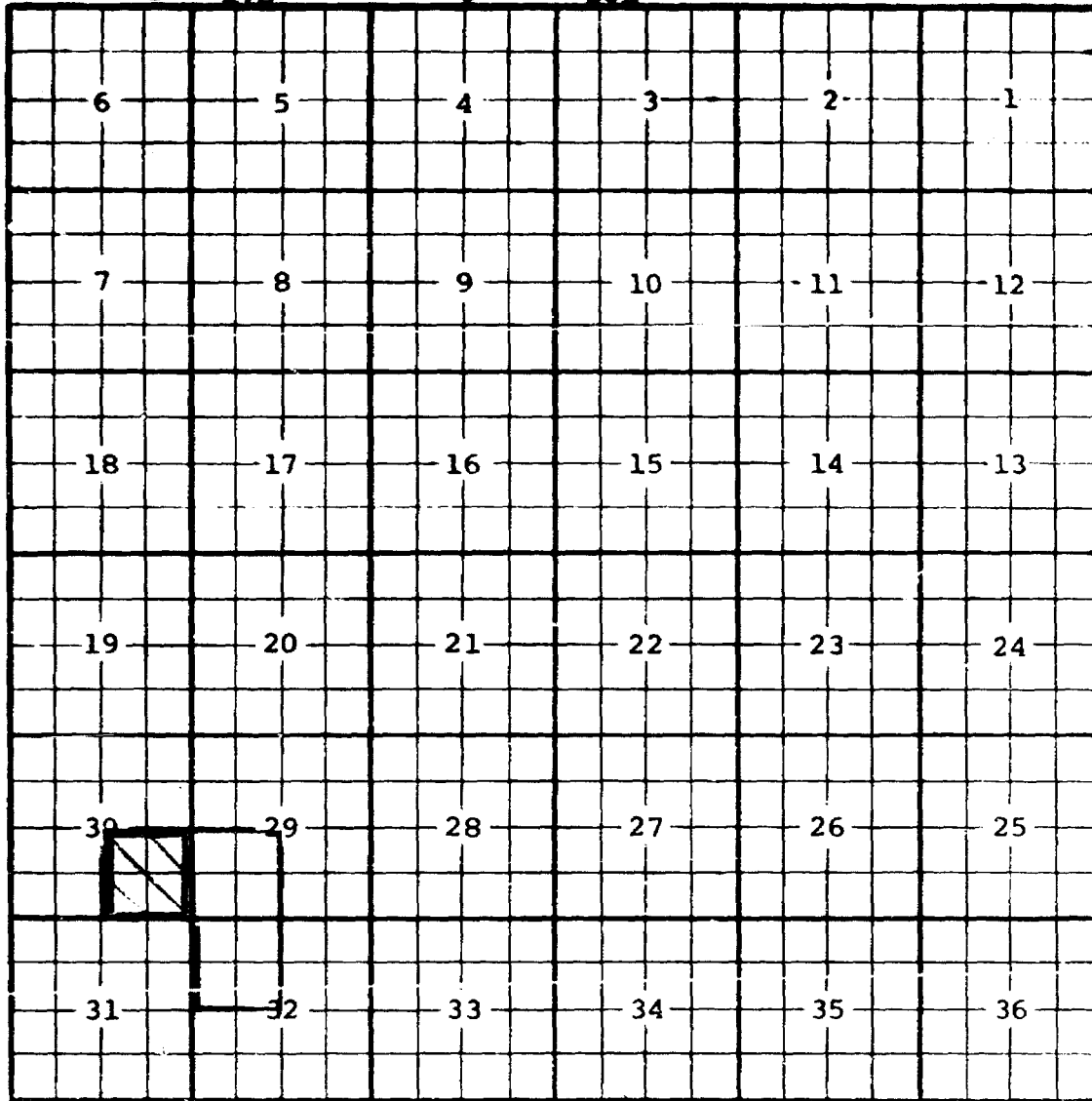
Pool boundary colored in red

Proposed deletions colored in blue Section 12 S/2 SW/4

"	13 W/2
"	14 SE/4
"	16 S/2
"	21 NW/4
"	23 E/2

CASE 2494: (p) DELETION OF CERTAIN PORTIONS OF AN EXISTING POOL

County Eddy Pool Loco Hills - Queen
 Township 17S Range 30E NMPM



Purpose: To eliminate an overlap with the Grayburg - Jackson
Pool producing from the same formation.

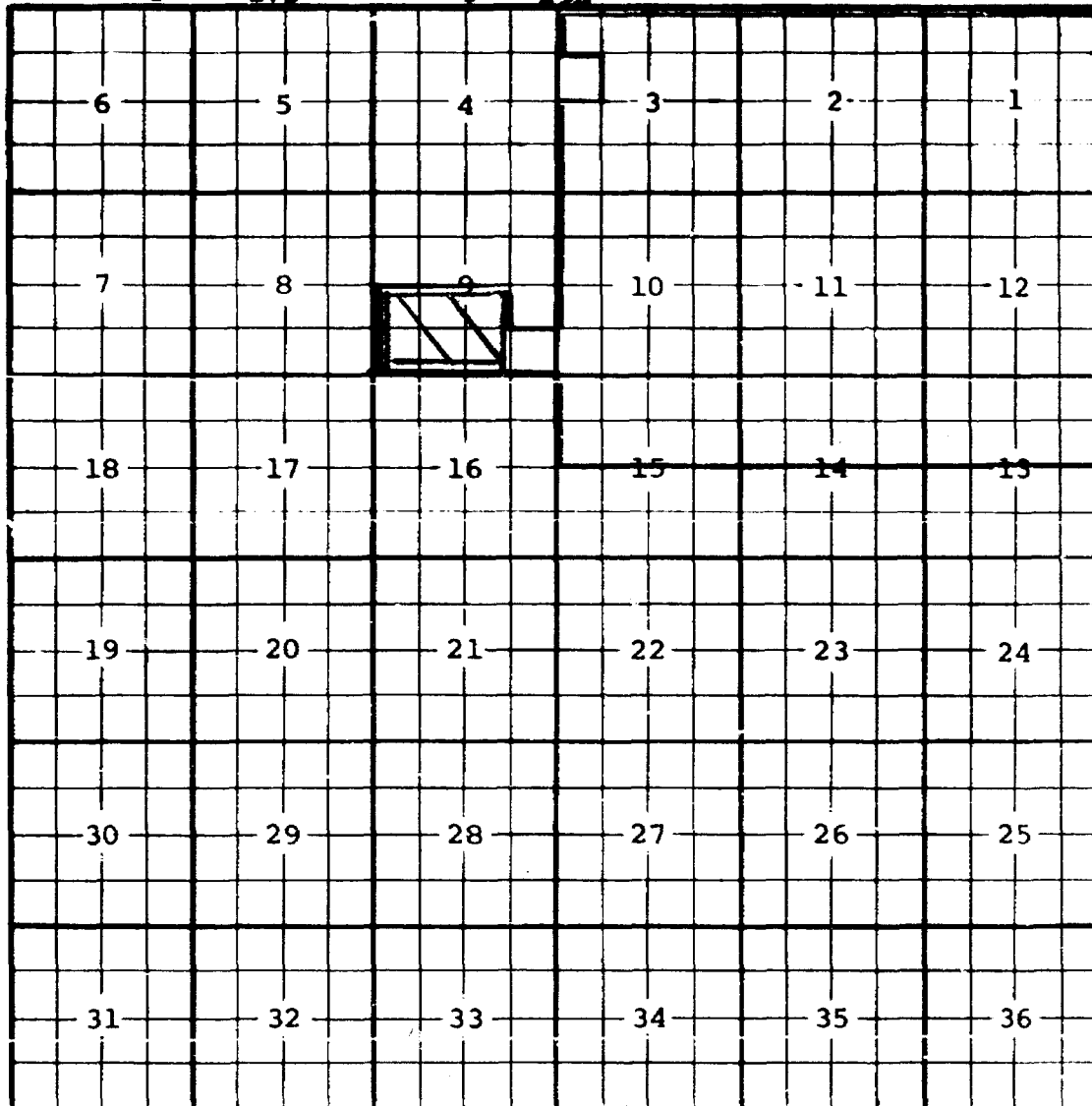
Pool boundary colored in red.

Proposed deletion colored in blue: Section 30 SE/4

CASE 2494: (q) DELETION OF CERTAIN PORTIONS OF AN EXISTING POOL

County Eddy Pool Square Lake (Grayburg - San Andres)

Township 17S Range 29E NMPM



Purpose: To eliminate an overlap with the Cave (Grayburg)
Pool producing from the same formation.

Pool boundary colored in red.

Proposed deletion colored in blue: Section 9 SW/4 & W/2 SE/4

CASE 2494: (r) EXTENSION OF AN EXISTING OIL POOL

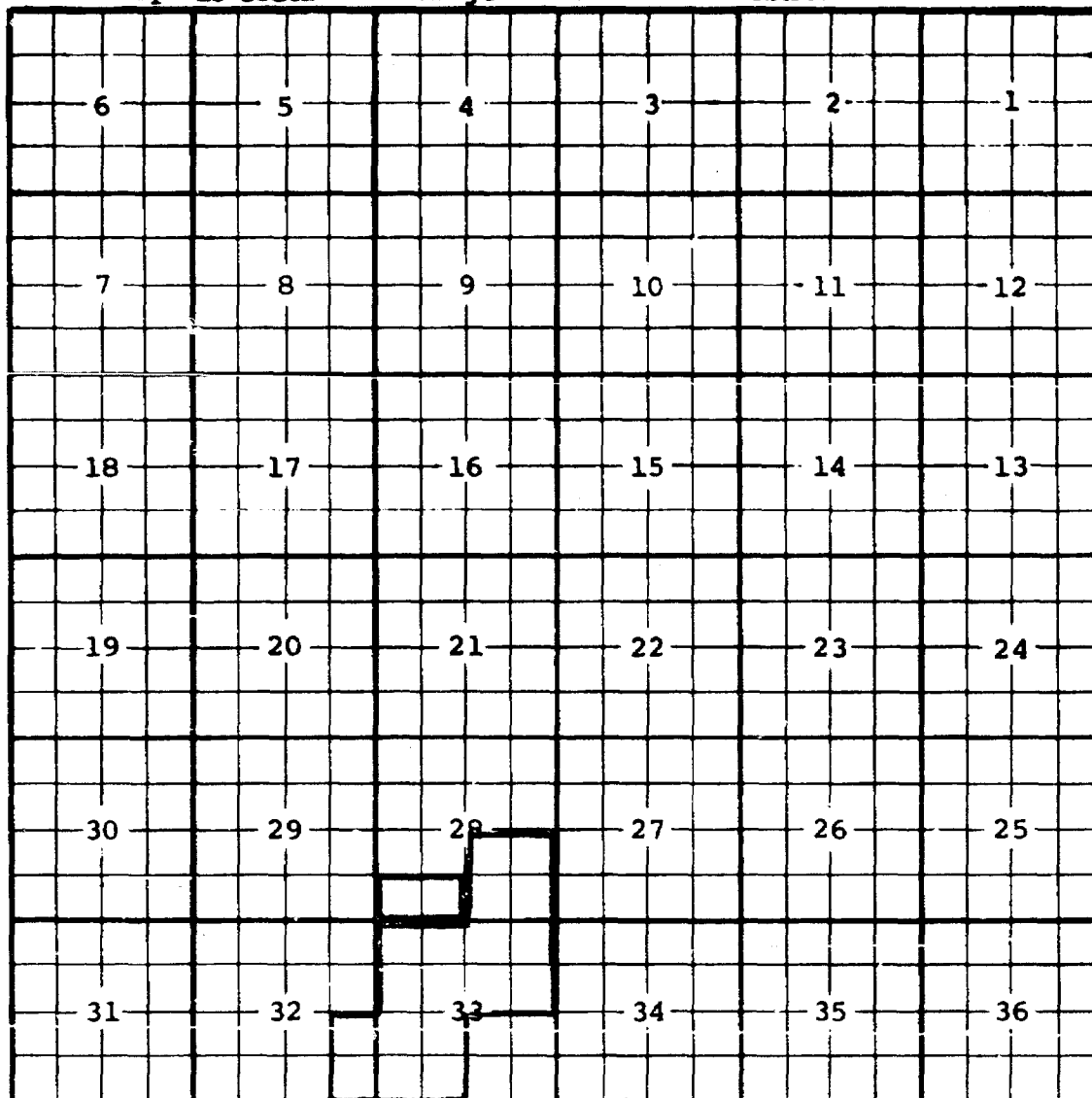
County LEA

Pool ANDERSON RANCH-WOLF CAMP

Township 15 South

Range 32 East

NMPM



PURPOSE: One (1) completed oil well capable of producing.

UNION OIL COMPANY OF CALIFORNIA-State "C" No. 1-28 in Unit M of Section 28-15-32

Completed in Wolfcamp January 4, 1962. Top of perforatuons 9950'

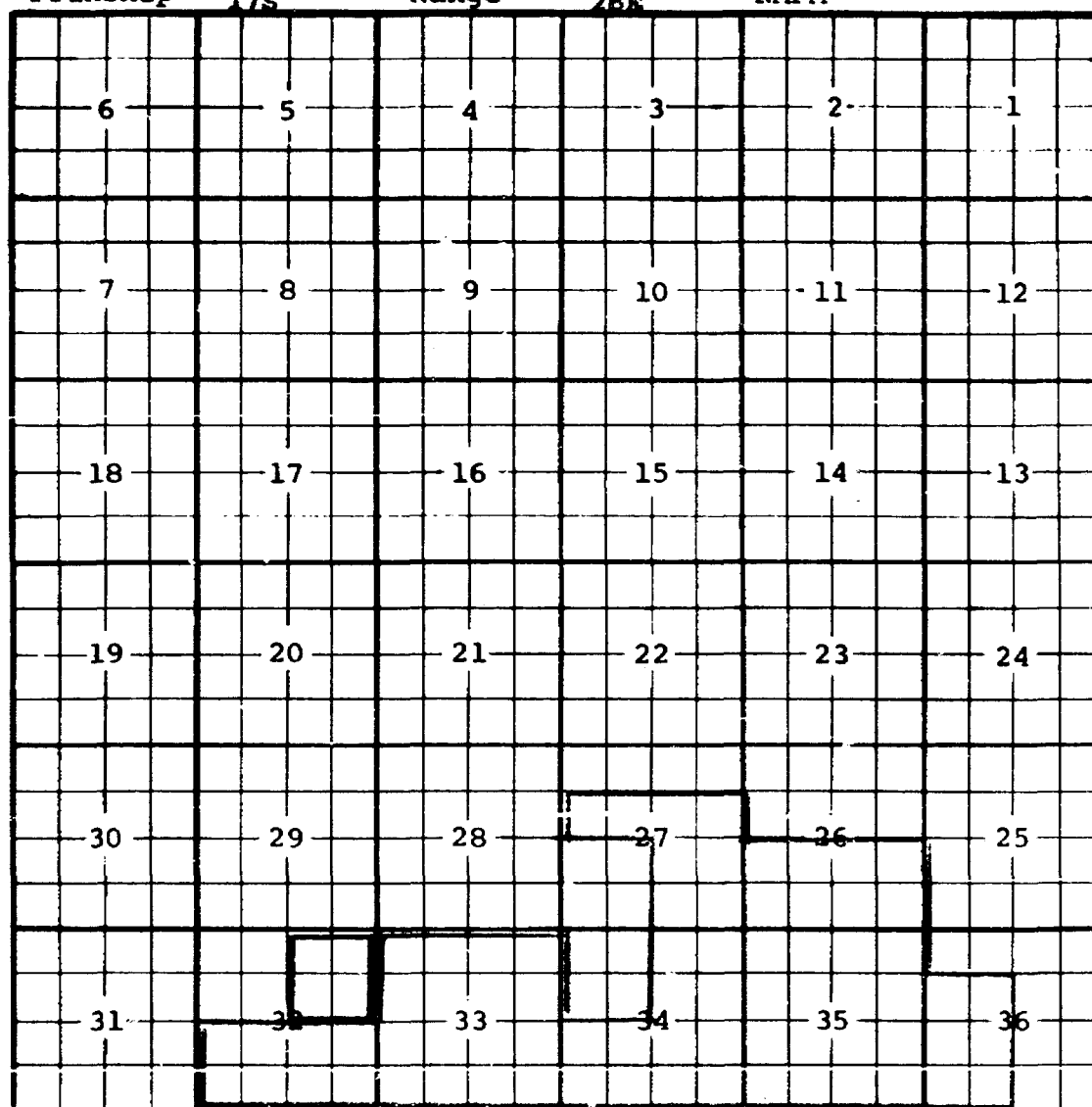
Pool boundaries colored in red.

Proposed extensions colored in green: SECTION 28: S/2 SW/4

CASE 2494 (s) EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool Artesia (Q-G-SA)

Township 17S Range 28E NMPM



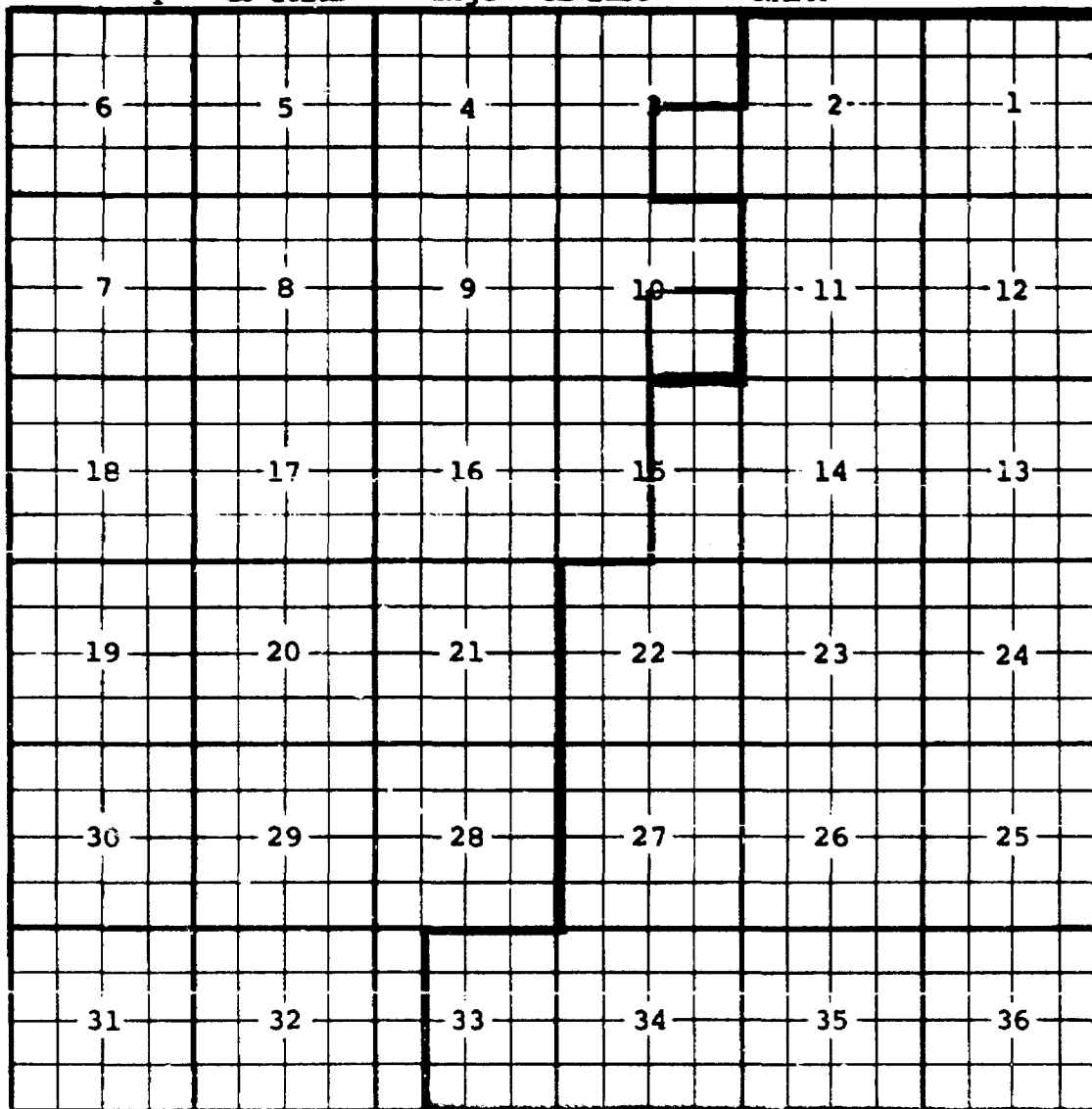
Purpose: One completed oil well capable of producing.
Western Yates - State 647, No. 179 in Unit H of Section 32-17-28,
completed in Grayburg December 6, 1961. Top of perforations 1920.

Pool boundary colored in red
Proposed extension colored in green. Section 32: NE/4

CASE 2494: (t) EXTENSION OF AN EXISTING OIL POOL

County CHAYNE Pool CARBON-QUEEN

Township 18 South Range 31 East NMPM



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

JOHN L. HARLAN-Williams Federal No. 1 in Unit I of Section 10-13-31.

Completed in the Queen formation November 17, 1961. Top of Perforations 3023'

JOHN L. HARLAN-Williams Federal No. 2 in Unit P of Section 10-13-31.

Completed in the Queen formation November 30, 1961. Top of Perforations 3012'

Pool boundaries colored in red.

Proposed extensions colored in green. SECTION 10: SE/4

CASE 2494: (u) EXTENSION OF AN EXISTING OIL POOL

County LEA

Pool CRUZ-DELANE

Township 23 South

Range 32 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

REMARKS: One (1) completed oil well capable of producing.

CONTINENTAL OIL COMPANY-Fields No. 1 in Unit P of Section 24-23-32.

Completed in Delaware November 2, 1961. Top of Perforations 5111'

Pool boundaries colored in red.

Proposed extensions colored in green: SECTION 24 : SE/4

CASE 2494: (v) EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool Dog Canyon - Grayburg

Township 18S Range 27E NMPM

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

Purpose: Two completed oil wells capable of producing
Ernest A. Hanson - Hanson Fed. A. No. 7 in Unit G of Section
27-16-27 completed in Grayburg October 1, 1961. Top of
Perforations 1458;

Ernest A. Hanson - Hitchcock Fed. A. No. 8, in Unit D of
Section 34-16-27, completed in Grayburg October 1, 1961.
Top of Perforations 1340.

Pool boundary colored in red

Proposed extensions colored in green: Section 27 SW/4 NE/4

" 34 NW/4 NW/4

CASE 2494: (w) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool BOLLAMIDE-QUEEN

Township 24 South Range 37 East NMPM

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

PURPOSE: One (1) completed oil well capable of producing.

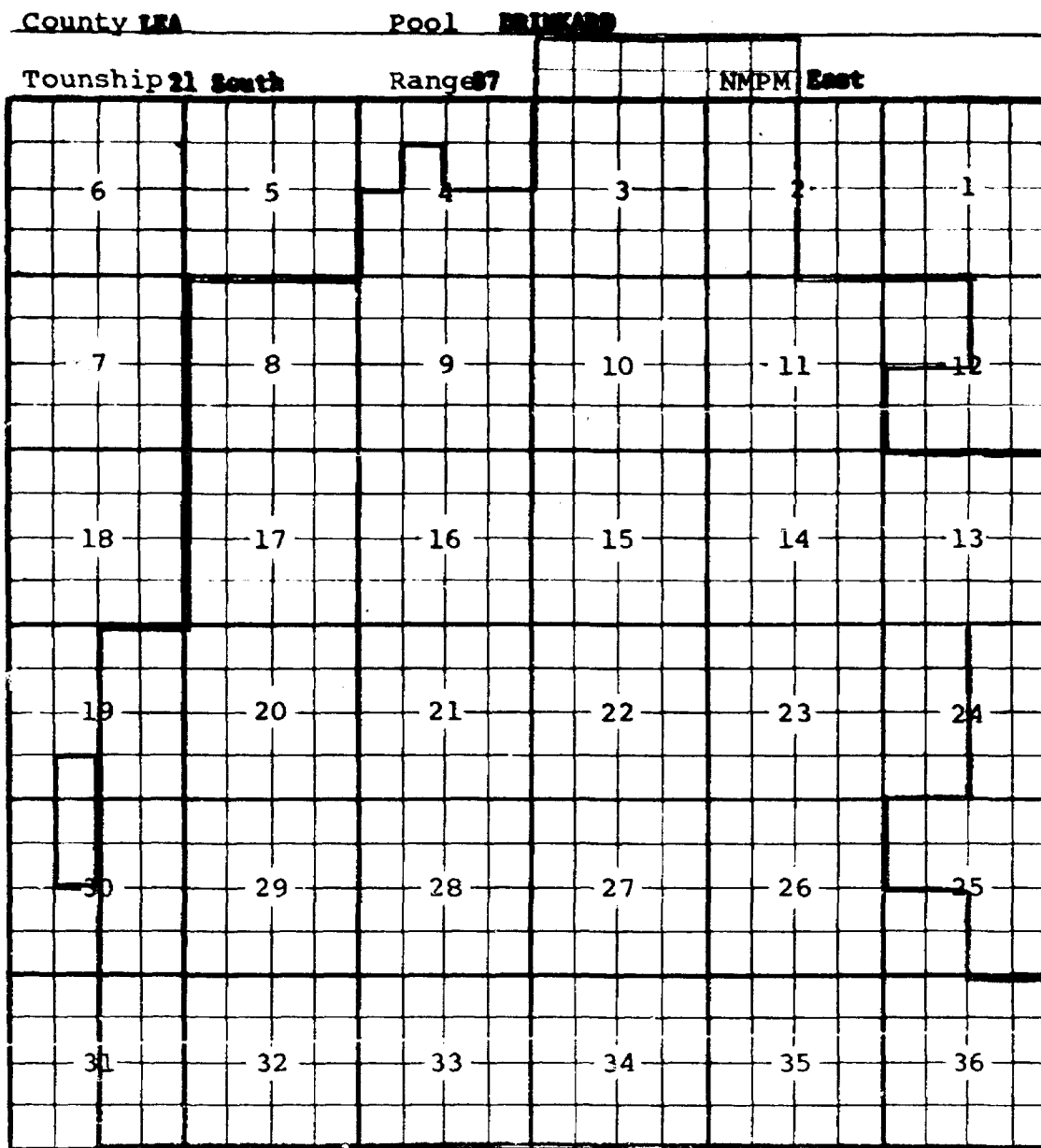
CHARLES B. GILLESPIE, JR.,-Gutman et al No. 1 in Unit A of Section 24,24-27.

Completed in Queen December 17, 1961. Top of Perforations 3743'

Pool boundaries colored in red.

Proposed extensions colored in green: Section 24: NE/4

CASE 2494: (x) EXTENSIONS OF AN EXISTING OIL POOL



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

TEXACO, INC.-V. M. Henderson No. 6 in Unit C of Section 30, 21-37. Completed in Drinkard December 15, 1961. Depth of Casing Shoe 6531'

ADDITION-----PAN AMERICAN PETROLEUM CORPORATION-State CK No. 1 in Unit N of Section 19-21-37. Completed in Drinkard January 1, 1962. Top of perforations 6631'

Pool boundaries colored in red.

Proposed extensions colored in green: Section 30: E/2 NW/4

ADDITION-----Section 19: SE/4 SW/4

CASE 2494: (y) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County Eddy Pool Empire - Abo

Township 17S Range 29E 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: Four completed oil wells capable of producing.

General American Oil Co. of Texas - Green A No. 5 in Unit G of section 30-17-29, Completed in Abo December 5, 1961

Top of perforations 6272;

Gen. Amer. Oil Co. of Texas - Green A, No. 6 in Unit H of Section 30-17-29, completed in Abo December 23, 1961, Top of perforations 6265;

ADDITION: Gen. Amer. Oil Co. of Texas - Green A No. 8, Unit L of Section 29-17-29, completed in Abo January 27, 1961, Top of perforations 6272.

Pool boundary colored in red

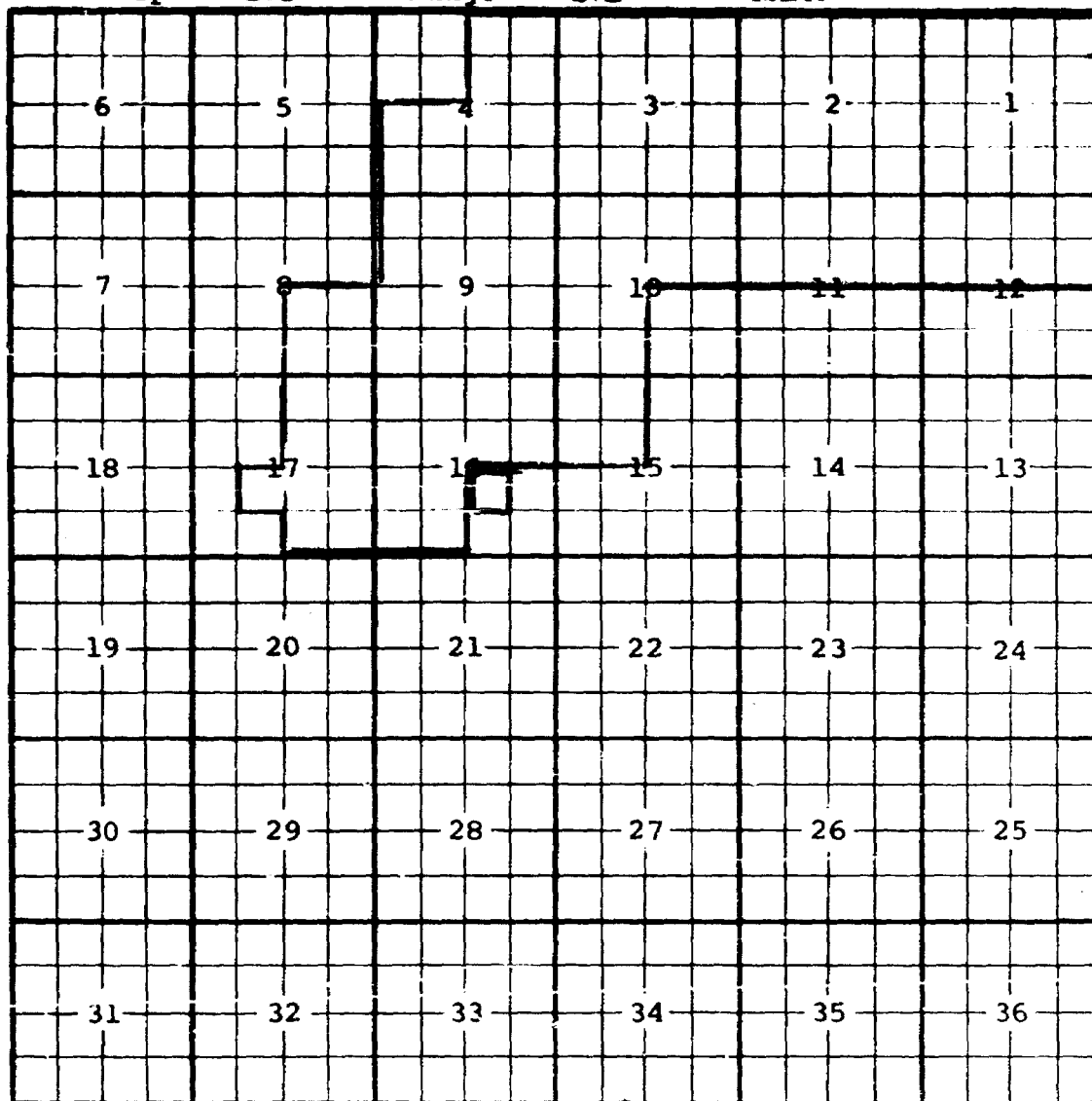
Proposed extensions colored in green Section 30 S/2 NE/4

ADDITION Section 29 N/2 SW/4

CASE 2494: (y) EXTENSION OF AN EXISTING OIL POOL (Continued)

County Eddy Pool Empire Abo

Township 18S Range 27E NMPM



Purpose: As stated on page one of this exhibit

Gulf Oil Corp. - Eddy State "BU", No. 1 in Unit J of Section 16-18-27, completed in Abo January 1, 1962. Top of Perforations 5711.

Pool boundary colored in red.

Proposed extension colored in green: Section 16 : NW/4 SE/4

CASE 2494: (a) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool JENKINS-WOLFCAMP

Township 9 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 (1) oil well completed and capable of producing.

TRICE PRODUCING COMPANY-A. T. HUTCHERSON No. 1 in Unit D of Section 10-9-34.

Completed in Bough "C" December 6, 1961. Top of perforations 9601'

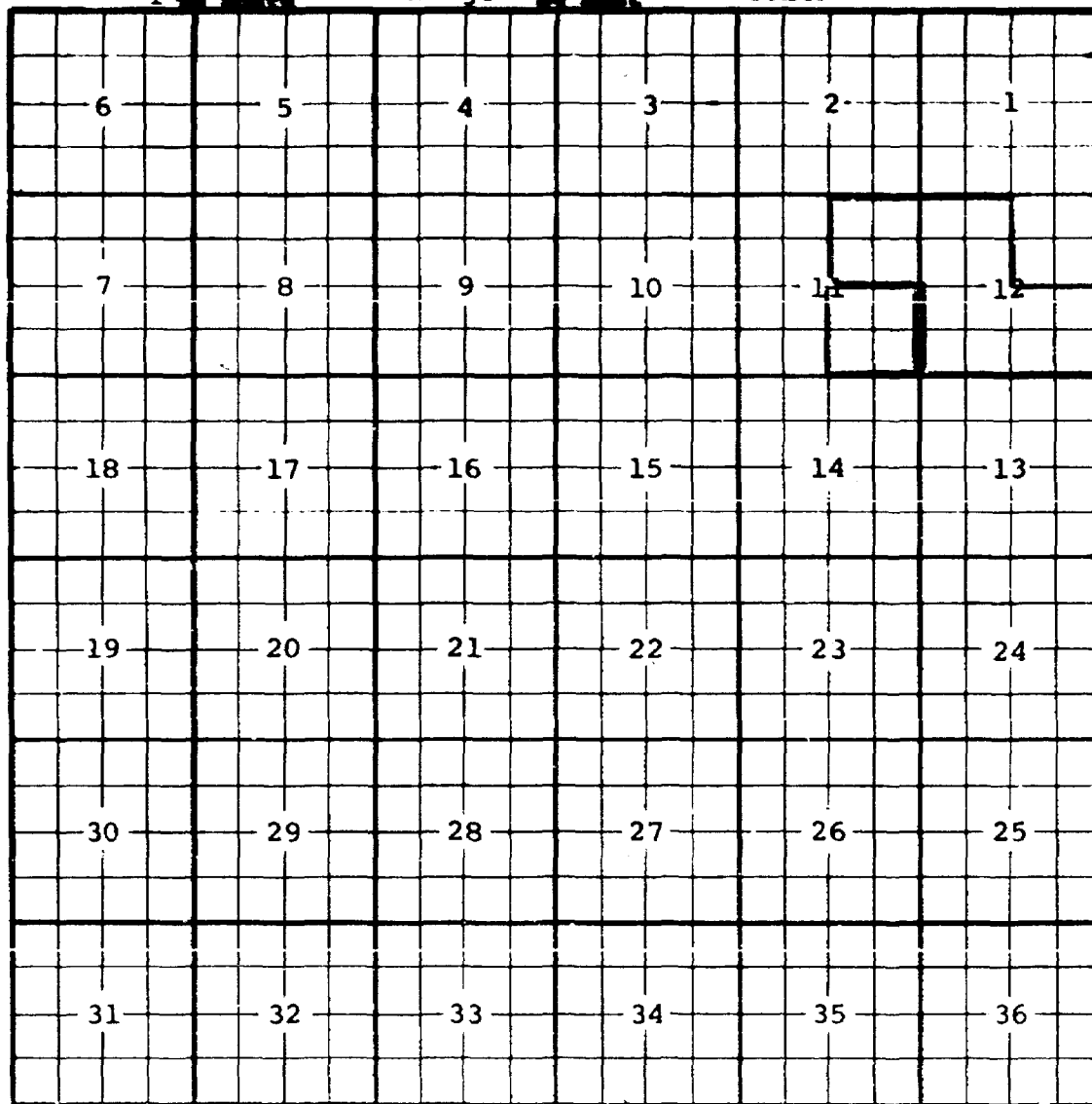
Pool boundaries colored in red.

Proposed extensions colored in green: SECTION 10: N/2 NW/4

CASE 2494: (as) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool LEA-DEVONIAN

Township 30 South Range 24 East NMPM



PURPOSE: One (1) completed oil well capable of producing.

THE OHIO OIL COMPANY-Lea Unit No. 6 in Unit J of Section 11-20-34.

Completed in Devonian December 2, 1961. Top of Perforations 14,355'

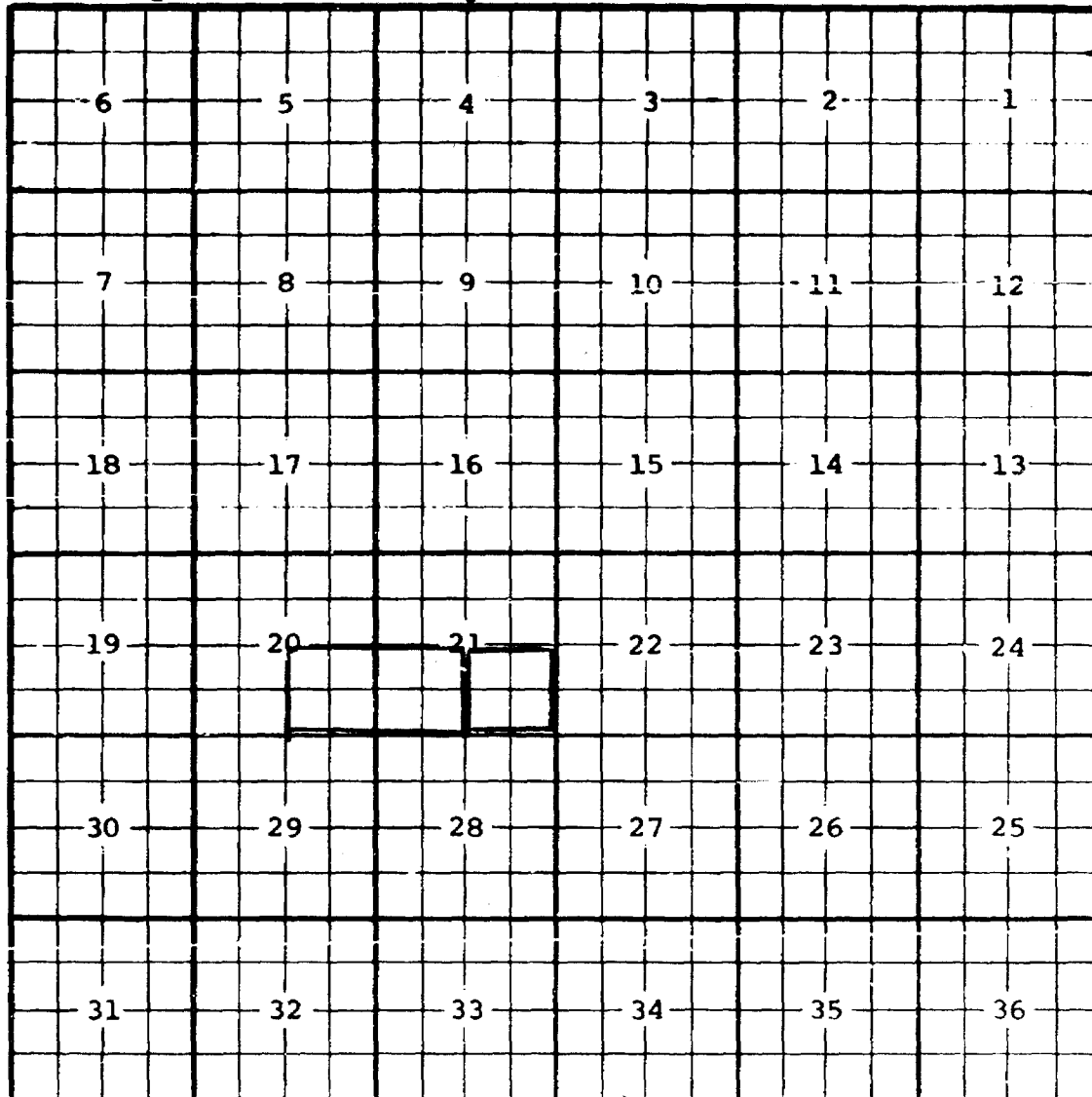
Pool boundaries colored in red.

Proposed pool extensions colored in green: Section 11: SE/4

CASE 2494: (b) EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool Loco Hills - Abo

Township 17S Range 30E NMPM



Purpose: One completed oil well capable of producing.

Chambers & Kennedy - Sinclair Fed, No. 2 in Unit J of
Section 21-17-30, completed in Abo December 3, 1961, Top of
Perforations 6863.

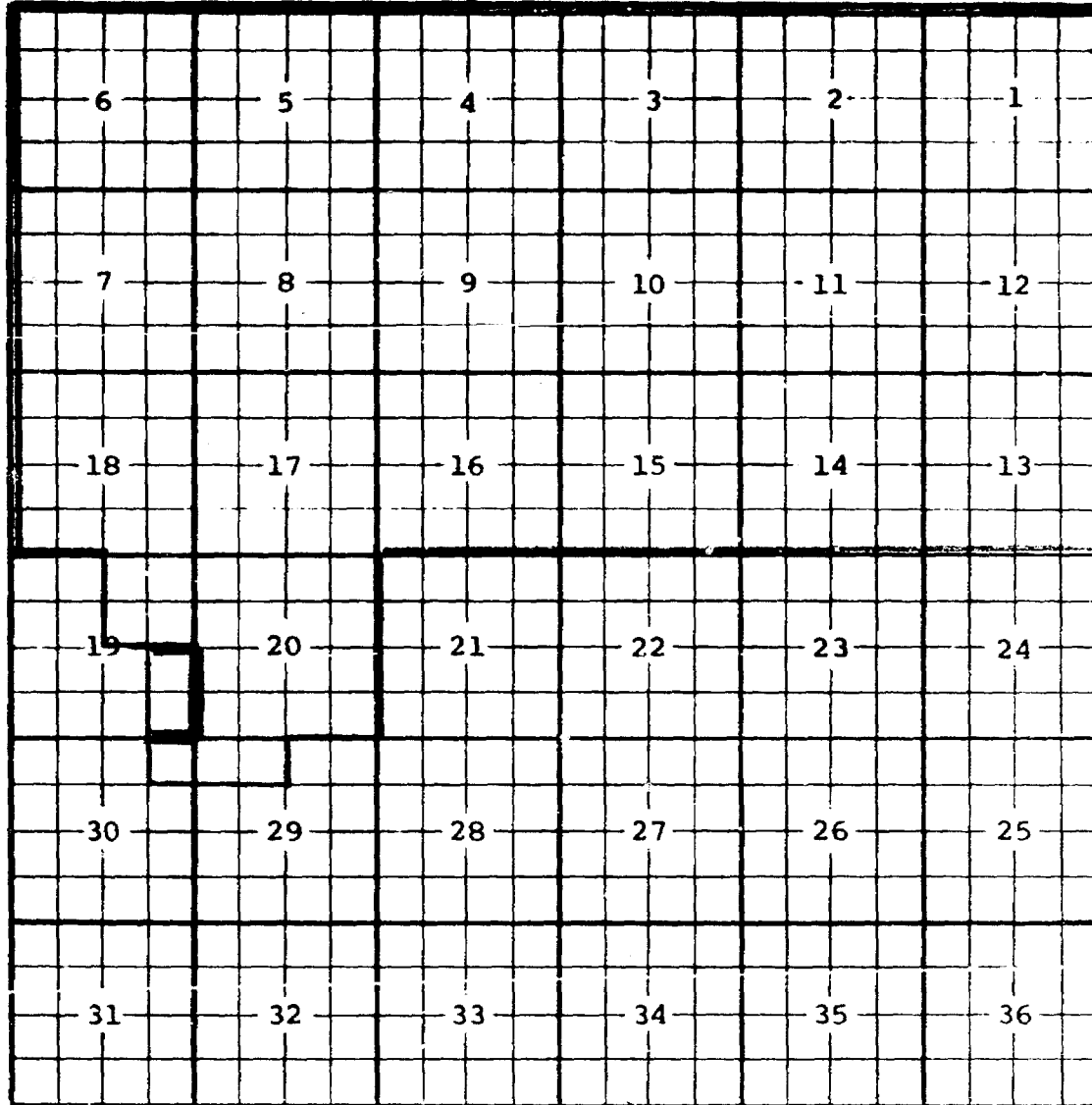
Pool boundary colored in red.

Proposed extension colored in green Section 21: SE/4

CASE 2494: (cc) EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool Loco Hills (G-SA)

Township 18S Range 29E NMPM



Purpose: One completed oil well capable of producing.
S. P. Yates & Martin Yates III Travis Fed. No. 1 in Unit P
of Section 19-18-29, Completed in Grayburg December 23, 1961.
Top of perforations 2338.

Pool boundary colored in red.
Proposed extension colored in green. Sec. 19: E/2 SE/4

CASE 2494: (dd) EXTENSION OF AN EXISTING OIL POOL

County IEA Pool LUSK-STRAWN

Township 19 South Range 32 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 (1) completed oil well capable of producing.

EL PASO NATURAL GAS COMPANY-Lusk Deep Unit No. 3 in Unit E of Section 20-19-32.

Completed in Strawn November 1, 1961. Top of Perforations 11,310'

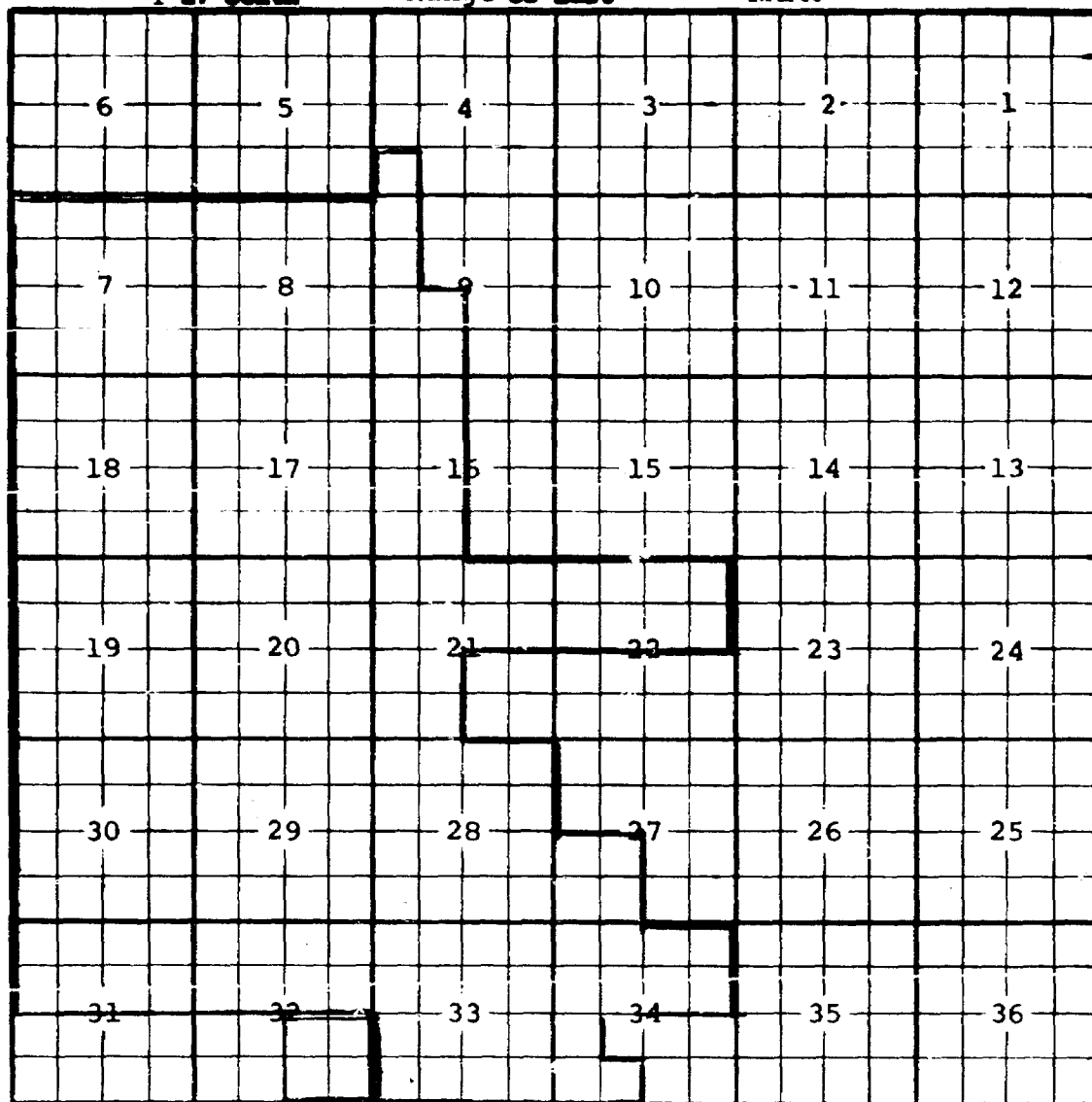
Pool boundaries colored in red.

Proposed extensions colored in green. Section 20: NW/4

CASE 2494: (ee) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool MALJAMAR

Township 17 South Range 33 East NMMP



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

CARPER DRILLING COMPANY-Carper State A No. 6 in Unit I of Section 32-17-33.

Completed in Grayburg December 4, 1961. Top of Perforations 4602'

CARPER DRILLING COMPANY-Carper State A No. 5 in Unit J of Section 32-17-33.

Completed in Grayburg December 21, 1961. Top of perforations 4568'

Pool boundaries colored in red.

Proposed extensions colored in green. Section 32: SE/4

CASE 2494: (ff) EXTENSION OF AN EXISTING OIL POOL

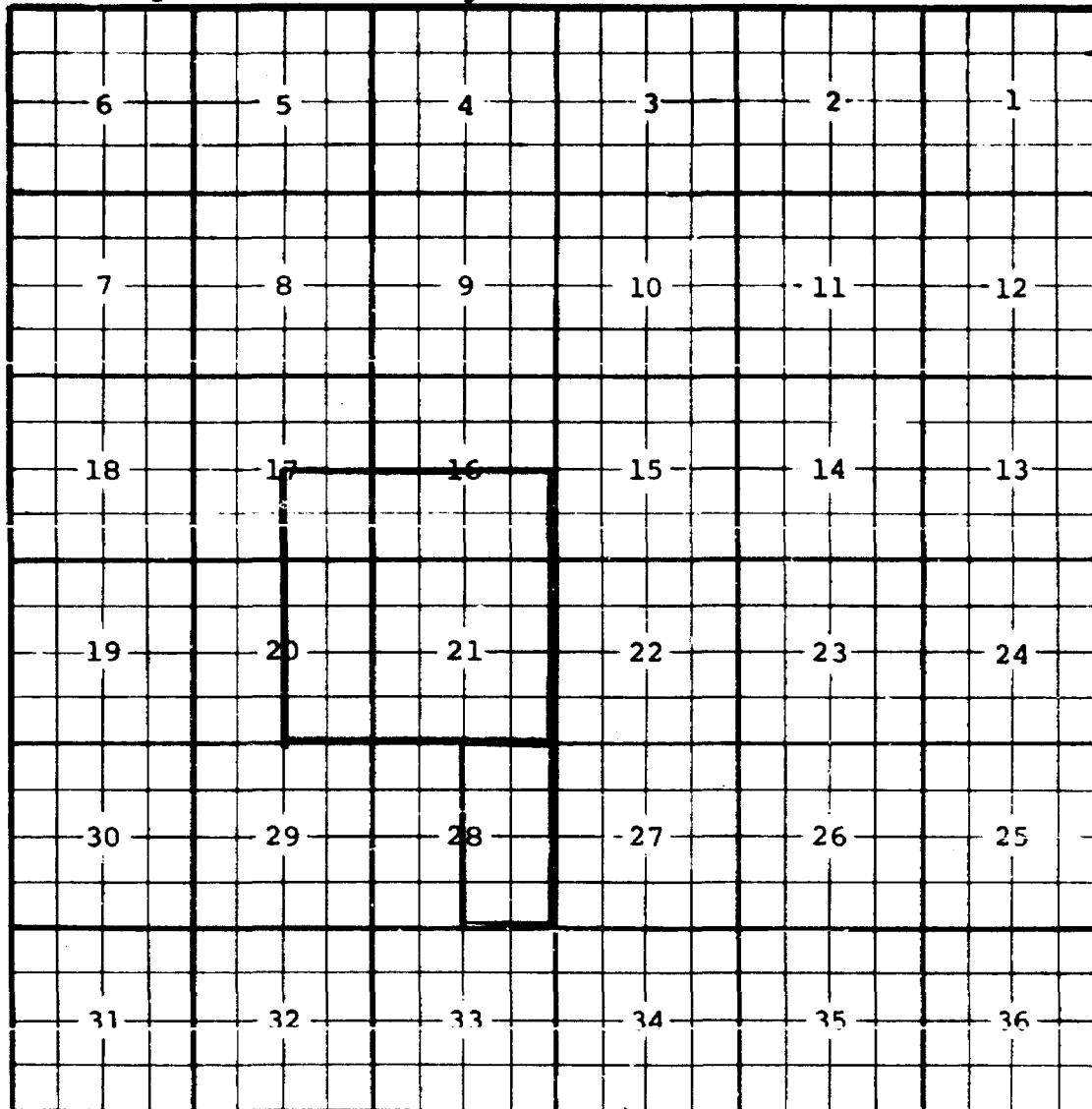
County LEA

Pool MALJIMAR-ABO

Township 17 South

Range 32 East

NMPM



PURPOSE: One (1) completed oil well capable of producing.

PAN AMERICAN PETROLEUM CORPORATION-USA Saish "B" No. 1 in Unit I of Section 28-17-32. Completed in Abo November 1, 1961. Top of perforations 8840'

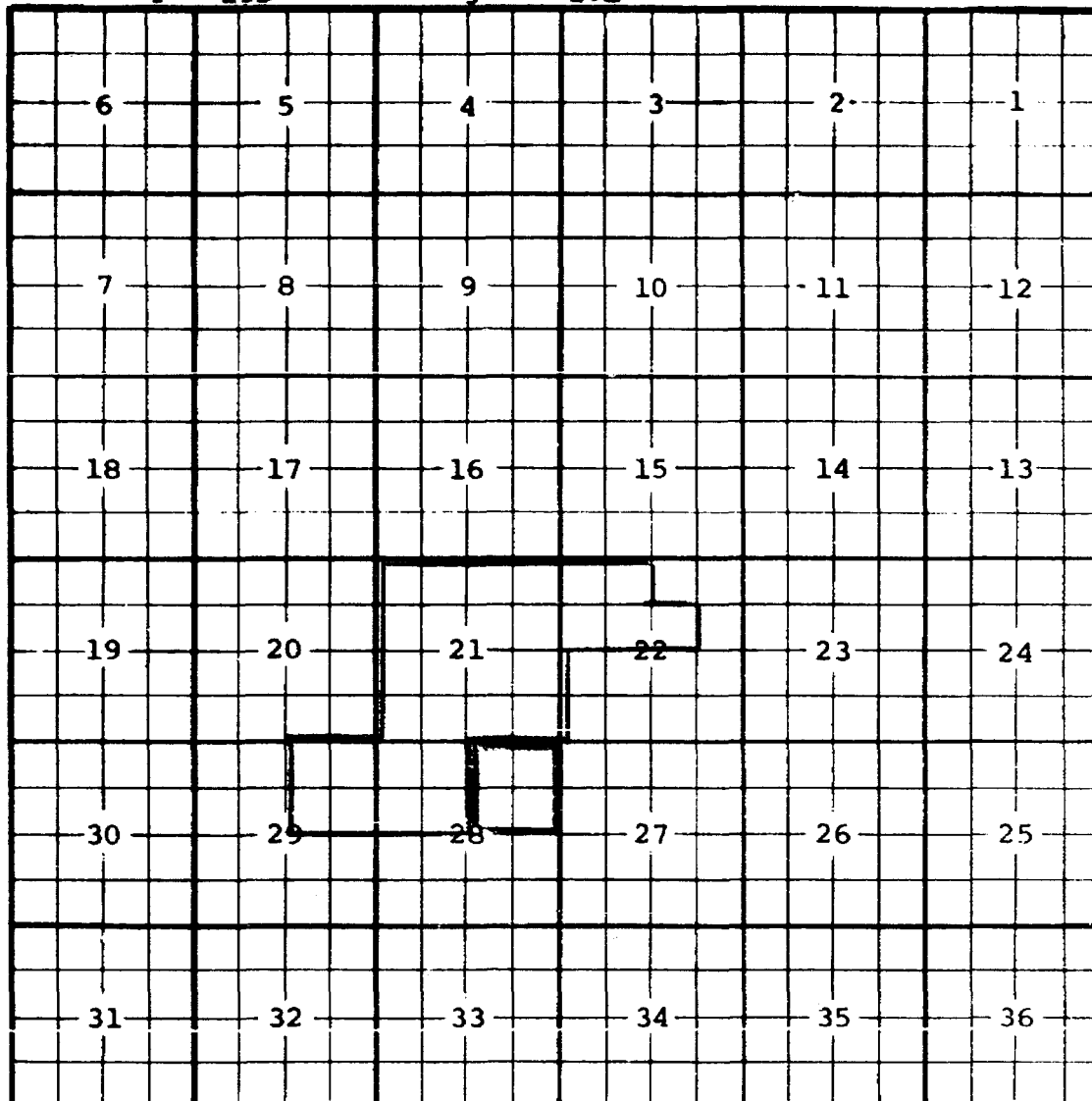
Pool boundaries colored in red.

Proposed extensions colored in green. Section 28: E/2

CASE 2494: (gg) EXTENSION OF AN EXISTING OIL POOL

County Adair Pool East Millman-Seven Rivers

Township 19S Range 28E NMPM



Purpose: One completed oil well capable of producing
Western Vator - Santa 648 No. 177 in Unit B of Section 28-19-28.
 Completed in Seven Rivers December 17, 1961. Top of perforations
 1091.

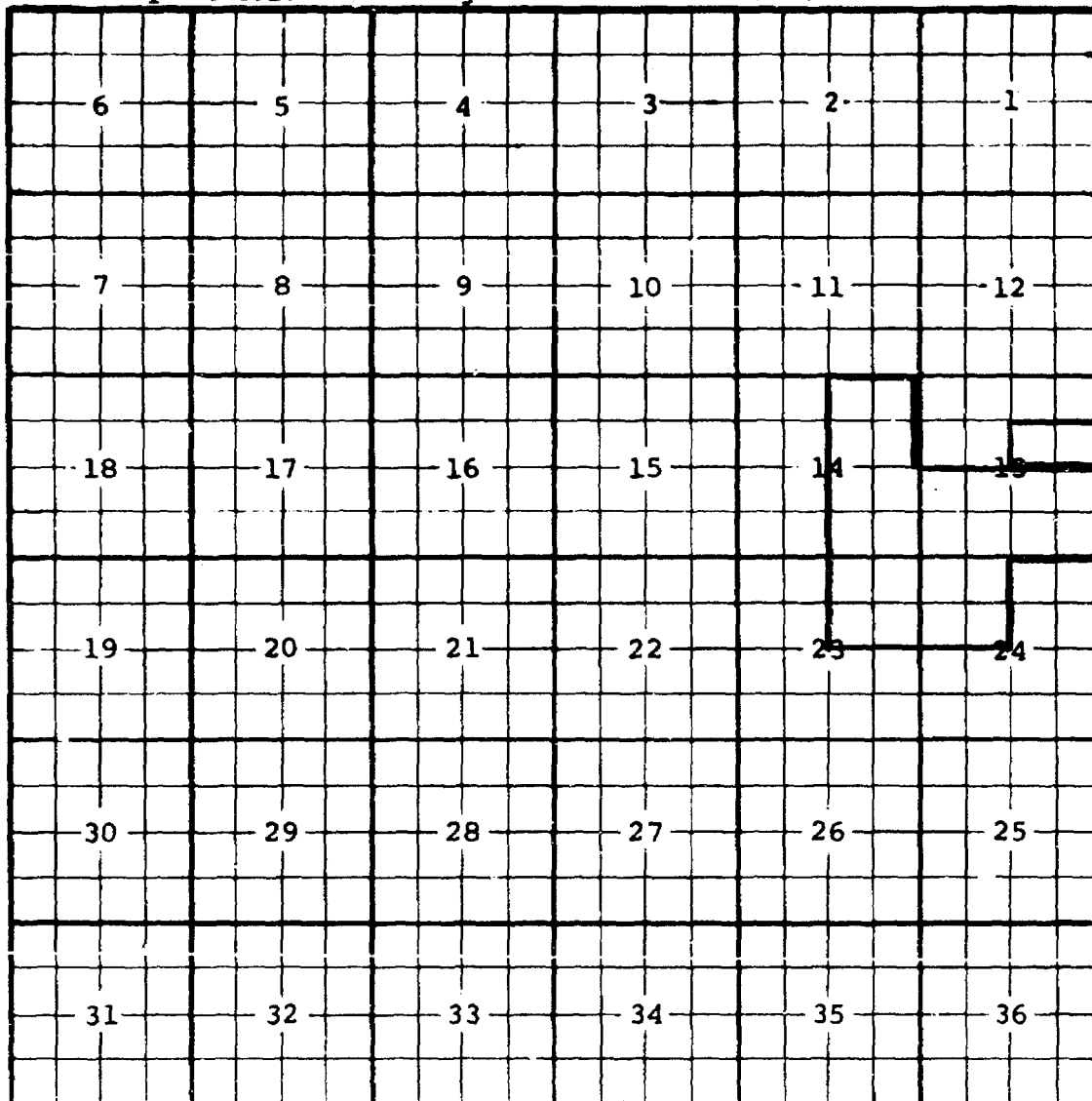
Pool boundary colored in red.

Proposed extension colored in green. Section 28: NE/4

CASE 3494: (hh) EXTENSION OF AN EXISTING OIL POOL

County ROOSEVELT Pool MILNESAND-SAN ANDRES

Township 8 South Range 34 East NMPM



PURPOSE: One (1) completed oil well capable of producing.

SUNRAY MID-CONTINENT OIL COMPANY-N. M. Federal "F" No. 4 in Unit H of Section 13-8-34. Completed in San Andres December 7, 1961. Top of Perforations 4452'

Pool boundaries colored in red.

Proposed extensions colored in green Section 13: S/2 NE/4

CASE 2494: (11) EXTENSION OF AN EXISTING OIL POOL

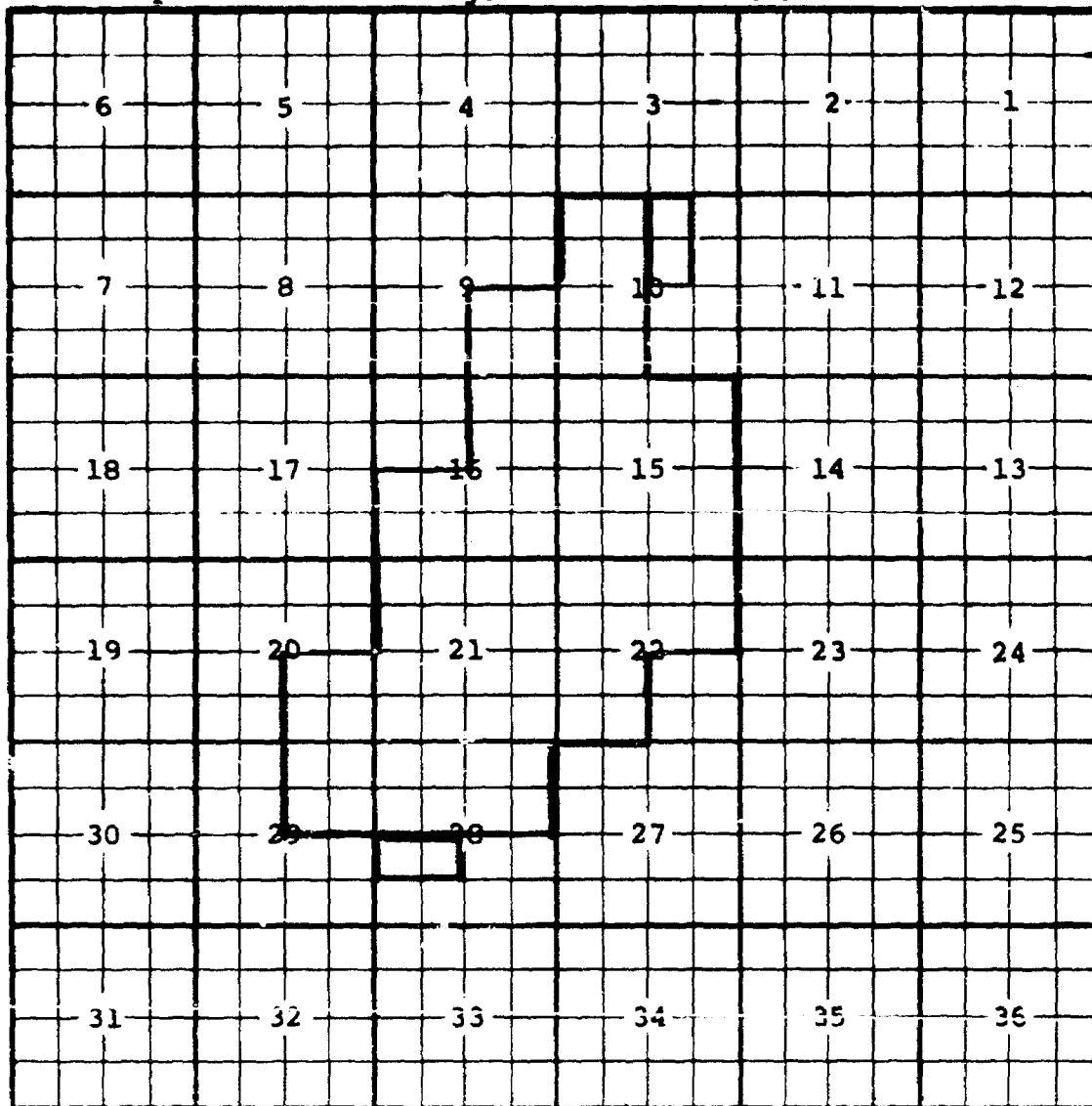
County LEA

Pool PANCA-DELANARE

Township 25 South

Range 32 East

NMPM



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

TEARCO, INC.-Cotton Draw Unit No. 60 in Unit G of Section 10-25-32. Completed in Delaware November 17, 1961. Top of perforations 4728'

TENNECO OIL COMPANY-J. D. Sena, Jr. USA No. 1 in Unit K of Section 28-25-32.
Completed in Delaware November 29, 1961. Top of perforations 4618'

Pool boundaries colored in red.

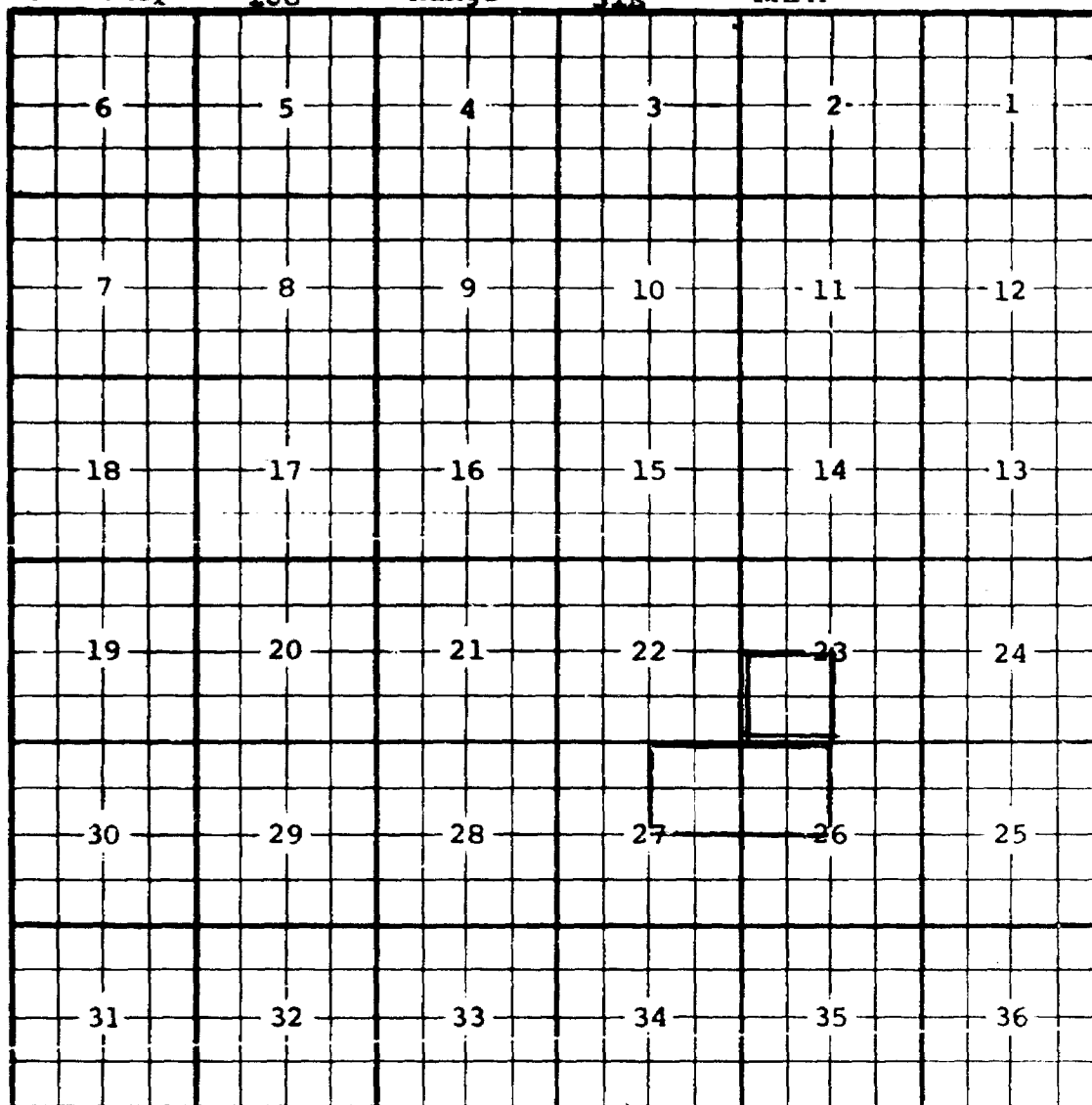
Proposed extensions colored in green: Section 10: W/2 NE/4

Section 28: N/2 SW/4

(33) CASE 2494: EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool ~~Paralleled~~ Delaware

Township 20S Range 31E NMPM



Purpose: One completed oil well capable of producing
Perry R. Bass - Fed. Josephine Rodke No. 1 in Unit G of
Section 27-20-31, completed in Delaware March 9, 1955.
Top of perforations 5722.

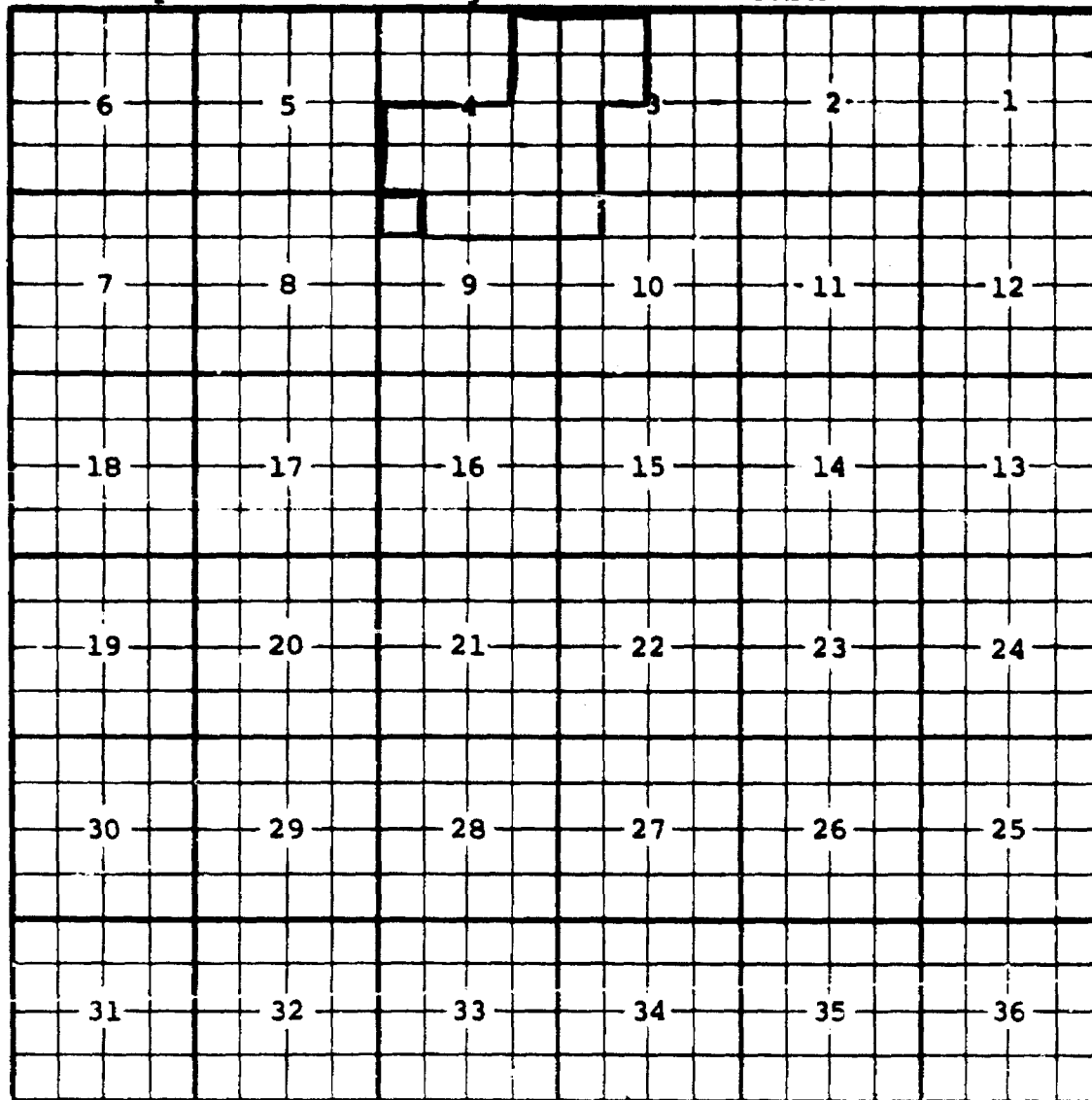
Pool boundary colored in red.

Proposed extension colored in green Section 26 NW/4
" 27 NE/4

CASE 2494: (1st) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool PEARL-QUEEN

Township 20 South Range 35 East NMPM



PURPOSE: One (1) completed oil well capable of producing.

SOUTHERN UNION PRODUCTION COMPANY-Federal Saunders No. 5 in Unit D of

Section 9-20-35. Completed in Queen November 6, 1961. Top of perforations 5020'

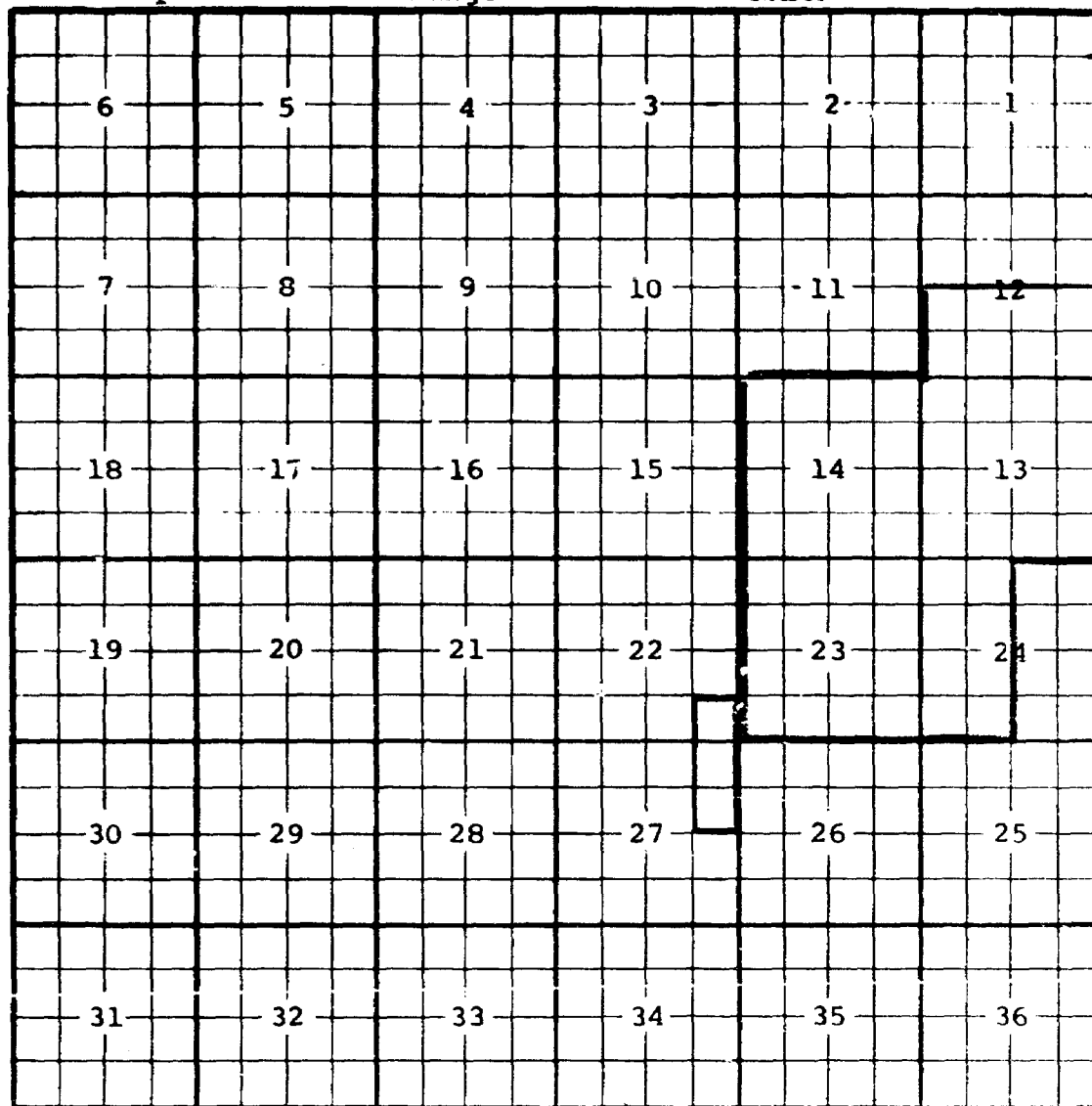
Pool boundaries colored in red.

Proposed extensions colored in green. Section 9: NW/4 NW/4

CASE 2494: (11) EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool Russell (Yates)

Township 20S Range 28E NMPM



Purpose: One completed oil well capable of producing.

A.H.Rains - Harrell No. 1 in Unit F of Section 27-20-28, completed in Yates November 1, 1961. Top of perforations 760.

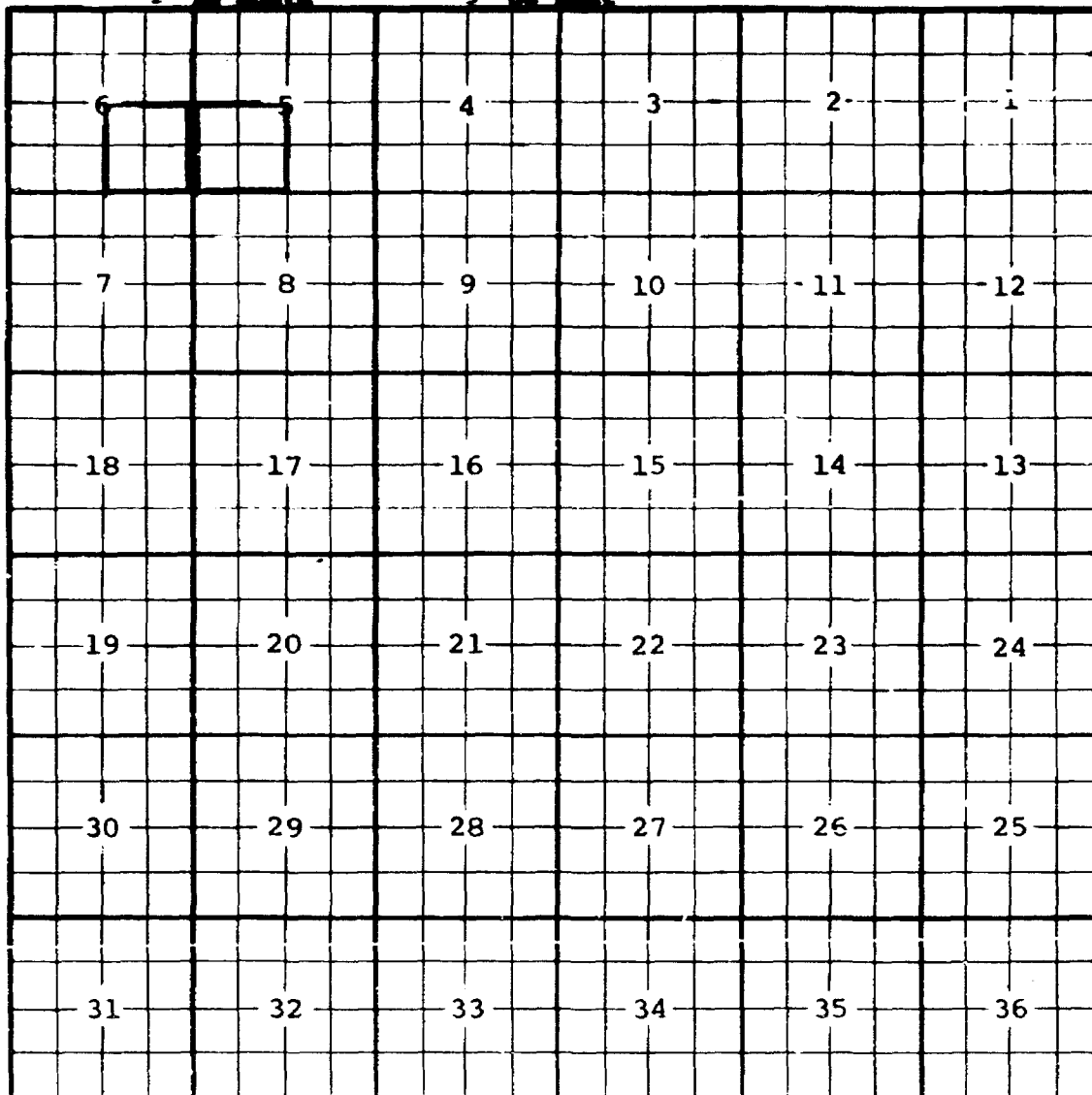
Pool boundary colored in red.

Proposed extension colored in green: Section 22: SE/4 SE/4
" 27: E/2 NE/4

CASE 2494: (pm) EXTENSION OF AN EXISTING GAS POOL

County LEA Pool NORTH SKAGGS-DRINKARD GAS

Township 20 South Range 28 East NMP11



PURPOSE: One (1) completed gas well capable of producing.

WOLFSON OIL COMPANY-McCallister No. 1 in Unit M of Section 5-20-38.

Completed in Drinkard September 7, 1961. Top of perforations 6914'

Pool boundaries colored in red.

Proposed extensions colored in green: Section 5: SW/4

CASE 3494: (nn) EXTENSION OF AN EXISTING GAS POOL

County Eddy **Pool** Vanda ruff Keyes Gas (Queen)

Township 16S **Range** 28E **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.
Kincaid & Watson Drilg.Co. Delhi Taylor No. 1 in Unit H of
Section 33-16-28. Completed in Queen January 11, 1961.
Top of perforations 1443.

Pool boundary colored in red.

Proposed extension colored in green. Section 33: NE/4

CASE 2494: (oo) EXTENSION OF AN EXISTING GAS POOL & CHANGE OF POOL NAME

County Eddy Pool Change To White City Permo-Penn. Gas
~~Change from White City Pennsylvanian Gas~~
 Township 24S Range 26E 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.
 Producing interval redefined from the Pennsylvanian to the
 Permo-Pennsylvanian as the result of the completion of an
 additional well.
 Gulf Oil Corporation Fed. Estill "7D" No. 2 in Unit G of Section
 20-24-26 Completed in Permo-Pennsylvanian November 9, 1961.
 Top of Perforations 9828.
 Pool boundary colored in red.
 Proposed extension colored in green. Section 20: E/2

*note
do this
if
was
not
advised*