CASE 3748:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

Case No.

348

Application, Transcript,
Small 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 NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 3748
Order No. R-3402

THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN
ORDER CREATING, ABOLISHING, CONTRACTING,
REDEFINING VERTICAL LIMITS, AND EXTENDING
CERTAIN POOLS IN CHAVES, EDDY, LEA, AND
ROOSEVELT COUNTIES, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on April 17, 1968,
at Hobbs, New Mexico, before the Oil Conservation Commission of
New Mexico, hereinafter referred to as the "Commission."

NOW, on this ___25th___ day of April, 1968, 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 gas pool
in Eddy County, New Mexico, for the production of gas from the
Upper Pennsylvanian formation, said pool to bear the designation
of Antelope Sink-Upper Pennsylvanian Gas Pool. Said Antelope
Sink-Upper Pennsylvanian Gas Pool was discovered by Marathon Oil
Company, Antelope Sink Unit No. 1, located in Unit G of Section
18, Township 19 South, Range 24 East, NMPM. It was completed in
Upper Pennsylvanian on July 21, 1963. The top of perforations
is 6366 feet.

-2-
CASE No. 3748
Order No. R-3402

(3) That there is need for the creation of a new oil pool
in Eddy County, New Mexico, for the production of oil from the
Delaware formation, said pool to bear the designation of Big
Eddy-Delaware Pool. Said Big Eddy-Delaware Pool was discovered
by Pan American Petroleum Corporation, Big Eddy Unit Well No. 11,
located in Unit I of Section 7, Township 20 South, Range 31 East,
NMPM. It was completed in Delaware on January 2, 1968. The top
of perforations is 5165 feet.

(4) That there is need for the creation of a new oil pool in
Lea County, New Mexico, for the production of oil from the Abo for-
mation, said pool to bear the designation of House-Abo Pool. Said
House-Abo Pool was discovered by Pan American Petroleum Corpora-
tion, Howse "C" No. 1, located in Unit H of Section 11, Township
20 South, Range 38 East, NMPM. It was completed in Abo on
November 8, 1967. The top of perforations is 7214 feet.

(5) That there is need for the creation of a new gas pool
in Eddy County, New Mexico, for the production of gas from the
Morrow formation, said pool to bear the designation of Huapache-
Morrow Gas Pool. Said Huapache-Morrow Gas Pool was discovered
by Humble Oil & Refining Company, Huapache Unit No. 10, located
in Unit F of Section 10, Township 23 South, Range 22 East, NMPM.
It was completed in Morrow on May 18, 1963. The top of perfora-
tions is 9942 feet.

(6) That there is need for the creation of a new oil pool
in Lea County, New Mexico, for the production of oil from the
Tubb-Drinkard formation, said pool to bear the designation of
Imperial Tubb-Drinkard Pool. Said Imperial Tubb-Drinkard Pool
was discovered by Bronco Oil Corporation, E. C. Hill "A" No. 3,
located in Unit O of Section 27, Township 20 South, Range 37
E , NMPM. It was completed in Tubb-Drinkard on December 13,
1967. The top of perforations is 6081 feet.

(7) That there is need for the consolidation of the Middle
Jane Permo-Pennsylvanian Pool and the Inbe Permo-Pennsylvanian
Pool inasmuch as the pools produce from a common source of supply.
Said consolidation to be accomplished by abolishing the Middle
Jane Permo-Pennsylvanian Pool and extending the Inbe Permo-
Pennsylvanian Pool.

(8) That there is need for the deletion of certain acreage
from the Cave-Grayburg Pool in Eddy County, New Mexico, in order
to eliminate non-productive acreage and to place all acreage in
the Grayburg Jackson West Cooperative Unit in the Grayburg-
Jackson Pool.

(9) That there is need for the deletion of certain acreage from the Monument Grayburg-San Andres Pool in Lea County, New Mexico, in order that the deleted acreage may be included in the Eunice Grayburg-San Andres Pool.

(10) That there is need for the redesignation of the Cedar Hills-Wolfcamp Gas Pool in Eddy County, New Mexico, to be the Cedar Hills-Upper Pennsylvanian Gas Pool in order to correctly reflect the producing interval in said pool.

(11) That there is need for certain extensions to the Twin Lakes-San Andres Pool in Chaves County, New Mexico, the Grayburg-Jackson Pool, the North Indian Hills-Morrow Gas Pool, the McMillan-Morrow Gas Pool, and the Cedar Hills-Upper Pennsylvanian Gas Pool, all in Eddy County, New Mexico, the West Bronco-Devonian Pool, the East Brunson-McKee Pool, the Eunice Grayburg-San Andres Pool, the Inbe Permo-Pennsylvanian Pool, the Tatum-Wolfcamp Pool, and the Teague-Blinebry Pool, all in Lea County, New Mexico, and the Todd-Lower San Andres Pool in Roosevelt County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM
Section 18: N/2

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

TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
Section 7: NE/4 SE/4

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

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 11: NE/4

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

TOWNSHIP 23 SOUTH, RANGE 22 EAST, NMPH
Section 10: N/2

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

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 27: SE/4

(f) That the Cave-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 17 SOUTH, RANGE 29 EAST, NMPM
Section 16: NW/4
Section 17: NE/4

(g) That the Grayburg-Jackson 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 16: N/2 and SW/4

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

TOWNSHIP 13 SOUTH, RANGE 38 EAST, NMPM
Section 6: SW/4

(i) That the East Brunson-McKee 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 23: SW/4 SE/4

(j) That the Middle Lane Permo-Pennsylvanian Pool in Lea
County, New Mexico, consisting of the following-described area:

<u>TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM</u>
Section 3: SE/4
Section 10: E/2
Section 11: All
Section 13: S/2
Section 14: All
Section 15: E/2 NW/4, NE/4, and S/2
Section 22: W/2 and NE/4
Section 23: N/2 and N/2 SW/4
Section 24: NW/4, N/2 SW/4, and SE/4

<u>is hereby abolished</u>.

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

<u>TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM</u>
Section 3: SE/4
Section 10: E/2
Section 11: All
Section 13: S/2
Section 14: All
Section 15: E/2 NW/4, NE/4, and S/2
Section 22: All
Section 23: N/2 and N/2 SW/4
Section 24: NW/4, N/2 SW/4, and SE/4
Section 27: N/2
Section 33: N/2 NE/4

<u>TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM</u>
Section 26: NE/4

(l) That the North Indian Hills-Morrow Gas Pool in Eddy
County, New Mexico, as heretofore classified, defined, and
described, is hereby extended to include therein:

<u>TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM</u>
Section 9: All

(m) That the McMillan-Morrow Gas Pool in Eddy County,
New Mexico, as heretofore classified, defined, and described,

-6-
CASE No. 3748
Order No. R-3402

is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 24: All

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

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM
Section 5: NE/4

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

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 33: NE/4

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

TOWNSHIP 7 SOUTH, RANGE 36 EAST, NMPM
Section 20: SW/4
Section 29: NW/4
Section 32: NW/4

(q) That the Twin Lakes-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM
Section 36: N/2 SW/4

(r) That the vertical limits of the Cedar Hills-Wolfcamp Gas Pool in Eddy County, New Mexico, are redefined to be the Upper Pennsylvanian formation rather than the Wolfcamp formation, and that said pool be redesignated Cedar Hills-Upper Pennsylvanian Gas Pool.

That the Cedar Hills-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and

-7-
CASE No. 3748
Order No. R-3402

described, is hereby extended to include therein:

> **TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM**
> Section 15: NE/4

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

> **TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM**
> Section 19: N/2 NE/4

(t) That the Eunice Grayburg-San Andres 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 19: N/2 NE/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations, abolishments, contractions, redefinitions of vertical limits, and extensions included herein shall be May 1, 1968.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.
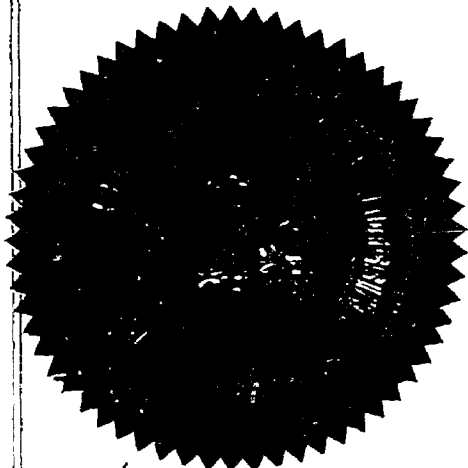
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

esr/

DOCKET: REGULAR HEARING - WEDNESDAY - APRIL 17, 1968

OIL CONSERVATION COMMISSION - 9 A.M. - THE HOLIDAY INN, 200 SOUTH LINAM,
HOBBS, NEW MEXICO

ALLOWABLE: (1) Consideration of the oil allowable for May, 1968;

(2) Consideration of the allowable production of gas for May, 1968, from thirteen prorated pools in Lea, Eddy, and Roosevelt Counties, New Mexico. Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico, for May, 1968.

CASE 3745: Application of Humble Oil & Refining Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the North White City Unit Area comprising 5114 acres, more or less, of Federal, State, and Fee lands in Township 23 South, Ranges 25 and 26 East, Eddy County, New Mexico.

CASE 3746: Application of Atlantic Richfield Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Cawley Unit Area comprising 4,480 acres, more or less, of Federal and State lands in Township 22 South, Range 22 East, Eddy County, New Mexico.

CASE 3747: Application of Depco, Inc. for an amendment to Order No. R-2869, Eddy County, New Mexico. Applicant, as successor to International Oil & Gas Corporation, seeks the amendment of Order No. R-2869 to substitute its Dunn "B" Well No. 5 in Unit I of Section 11 and its Dunn "B" Well No. 6, and Dunn "A" Well No. 1 located in Units M and G, respectively, of Section 12 for its Dunn "B" Wells Nos. 15, 19, and 21 which were included in the originally authorized water injection wells for a waterflood project authorized by said order in Township 18 South, Range 28 East, Artesia Pool, Eddy County, New Mexico.

CASE 3711: (Reopened):

In the matter of Case No. 3711, originally heard January 24, 1968, and in which no order has yet been entered, being reopened on the motion of the Commission to hear additional testimony regarding the amendment of Rule 509 of the Commission Rules and Regulations; among other things, the Commission will consider the assignment of an oil discovery allowable to each zone of a multiple discovery well based on the depth of said zone from the surface of the ground.

CASE 3748: Southeastern New Mexico nomenclature case calling for an order for the creation, extension, abolishment, contraction and redefinition of certain pools in Chaves, Eddy, Lea and Roosevelt Counties, New Mexico.

(a) Create a new pool in Eddy County, New Mexico, classified as
a gas pool for Upper Pennsylvanian production and designated as
the Antelope Sink-Upper Pennsylvanian Gas Pool. The discovery
well is Marathon Oil Company, Antelope Sink Unit No. 1, located
in Unit G of Section 18, Township 19 South, Range 24 East, NMPM.
Said pool should comprise the following described acreage:

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM
SECTION 18: N/2

(b) Create a new pool in Eddy County, New Mexico, classified as
an oil pool for Delaware production and designated as the Big
Eddy-Delaware Pool. The discovery well is Pan American Petroleum
Corporation, Big Eddy Unit No. 11, located in Unit I of Section 7,
Township 20 South, Range 31 East, NMPM.   Said pool should comprise
the following described acreage:

TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
SECTION 7: NE/4 SE/4

(c) Create a new pool in Lea County, New Mexico, classified as
an oil pool for Abo production and designated as the House-Abo
Pool. The discovery well is Pan American Petroleum Corporation,
Howse "C" No. 1 located in Unit H of Section 11, Township 20
South, Range 38 East, NPMM. Said pool should comprise the fol-
lowing described acreage:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
SECTION 11: NE/4

(d) Create a new pool in Eddy County, New Mexico, classified as a
gas pool for Morrow production and designated as the Huapahce-
Morrow Gas Pool. The discovery well is Humble Oil & Refining
Company, Huapache Unit No. 10, located in Unit F of Section 10,
Township 23 South, Range 22 East, NMPM. Said pool should comprise
the following described acreage:

TOWNSHIP 23 SOUTH, RANGE 22 EAST, NMPM
SECTION 10: N/2

(e) Create a new pool in Lea County, New Mexico, classified as an
oil pool for Tubb Drinkard production and designated as the
Imperial Tubb-Drinkard Pool. The discovery well is Bronco Oil
Corporation, E. C. Hill "A" No. 3, located in Unit O of Section
27, Township 23 South, Range 37 East, NMPM. Said pool should
comprise the following described acreage:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
SECTION 27: SE/4

(f) Contract the Cave-Grayburg Pool in Eddy County, New Mexico,
by the deletion of the following described acreage:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 16: NW/4
SECTION 17: NE/4

(g) Extend the Grayburg-Jackson Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
SECTION 16: N/2 and SW/4

(h) Extend the West Bronco-Devonian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 38 EAST, NMPM
SECTION 6: SW/4

(i) Extend the East Brunson-McKee Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 23: SW/4 SE/4

(j) Abolish the Middle Lane Permo-Pennsylvanian Pool in Lea County, New Mexico, described as:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 3: SE/4
SECTION 10: E/2
SECTION 11: All
SECTION 13: S/2
SECTION 14: All
SECTION 15: E/2 NW/4, NE/4, and S/2
SECTION 22: W/2 and NE/4
SECTION 23: N/2 and N/2 SW/4
SECTION 24: NW/4, N/2 SW/4, and SE/4

(k) Extend the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, to include the area described above from the abolished Middle Lane Permo-Pennsylvanian Pool and also the following described area:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 22: SE/4
SECTION 27: N/2

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 26: NE/4

(l) Extend the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM
SECTION 9: All

(m) Extend the McMillan-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
SECTION 24: All

(n) Extend the Tatum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM
SECTION 5: NE/4

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

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
SECTION 33: NE/4

(p) Extend the Todd-Lower San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 36 EAST, NMPM
SECTION 29: NW/4
SECTION 32: NW/4

(q) Extend the Twin Lakes-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM
SECTION 36: N/2 NW/4

(r) Redefine the vertical limits of the Cedar Hills-Wolfcamp Gas Pool in Eddy County, New Mexico, which comprises:

TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM
SECTION 15: SE/4

to be the Upper Pennsylvanian formation rather than the Wolfcamp formation and rename said pool Cedar Hills-Upper Pennsylvanian Gas Pool.

Extend said Cedar Hills-Upper Pennsylvanian Gas Pool to include therein:

TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM
SECTION 15: NE/4

(s) Contract the Monument (Grayburg-San Andres) Pool in Lea County, New Mexico, by the deletion of the following-described acreage:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
SECTION 19: N/2 NE/4

(t) Extend the Eunice (Grayburg-San Andres) Pool in Lea
County, New Mexico, to include therein:

> TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
> SECTION 19: N/2 NE/4

CASE 3749:   Northwestern New Mexico nomenclature case calling for an
order for the extension of certain pools in San Juan, Rio
Arriba, Sandoval, and McKinley Counties, New Mexico:

(a) Extend the Aztec-Pictured Cliffs Pool boundary in
San Juan County, New Mexico, to include therein:

> TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM
> SECTION 11: SW/4
> SECTION 13: SE/4

(b) Extend the Blanco-Pictured Cliffs Pool boundary in
San Juan County, New Mexico, to include therein:

> TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM
> SECTION 7: S/2
> SECTION 8: N/2

> TOWNSHIP 30 NORTH, RANGE 8 WEST, NMPM
> SECTION 18: S/2
> SECTION 30: S/2
> SECTION 31: NW/4

> TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM
> SECTION 25: S/2
> SECTION 30: W/2

(c) Extend the South Blanco-Pictured Cliffs Pool boundary
in Rio Arriba, Sandoval, and San Juan Counties, New Mexico,
to include therein:

> TOWNSHIP 25 NORTH, RANGE 5 WEST, NMPM
> SECTION 35: All

(d) Extend the Tapacito-Pictured Cliffs Pool boundary in
Rio Arriba County, New Mexico, to include therein:

> TOWNSHIP 25 NORTH, RANGE 3 WEST, NMPM
> SECTION 6: SW/4

> TOWNSHIP 27 NORTH, RANGE 3 WEST, NMPM
> SECTION 30: SW/4
> SECTION 31: W/2 and SE/4

(e) Extend the Otero-Chacra Pool boundary in Rio Arriba
County, New Mexico, to include therein:

TOWNSHIP 25 NORTH, RANGE 5 WEST, NMPM
Section   6:   W/2
Section   7:   All
Section 19:   NW/4

TOWNSHIP 25 NORTH, RANGE 6 WEST, NMPM
SECTION   2:   All
SECTION   3:   S/2
SECTION   4:   All
SECTION   5:   N/2
SECTION   9:   N/2
ALL OF SECTIONS 10, 11, AND 12
SECTION 13:   W/2 and SE/4
SECTION 14:   All
SECTION 15:   E/2
SECTION 22:   E/2
SECTION 24:   NE/4

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM
SECTION 29:   SE/4
SECTION 31:   S/2
SECTION 32:   All
SECTION 33:   W/2
SECTION 35:   All

(f) Extend the Blanco-Mesaverde Pool boundary in Rio
Arriba and San Juan Counties, New Mexico, to include
therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM
SECTION 15:   N/2

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM
Section 30:   W/2

TOWNSHIP 28 NORTH, RANGE 10 WEST, NMPM
SECTION 25:   N/2

(g) Extend the South Hospah-Lower Sand Oil Pool boundary
in McKinley County, New Mexico, to include therein:

TOWNSHIP 17 NORTH, RANGE 8 WEST, NMPM
SECTION 7:   NW/4 NE/4

TOWNSHIP 17 NORTH, RANGE 9 WEST, NMPM
SECTION 12:   NE/4, E/2 NW/4, and SW/4 NW/4

(h) Extend the South Hospah-Upper Sand Oil Pool boundary
in McKinley County, New Mexico, to include therein:

TOWNSHIP 17 NORTH, RANGE 9 WEST, NMPM
SECTION 12:   SW/4 NW/4

(i) Extend the Tapacito-Gallup Associated Pool boundary in
Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM
SECTION 26:   All

(j) Extend the Slick Rock-Dakota Oil Pool boundary in San
Juan County, New Mexico, to include therein:

TOWNSHIP 30 NORTH, RANGE 17 WEST, NMPM
SECTION 36:   N/2 SE/4 & SE/4 NE/4

(k) Extend the Tocito Dome-Pennsylvanian D Oil Pool boundary
in San Juan County, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 18 WEST, NMPM
SECTION 22:   SW/4
SECTION 27:   NW/4

NOMENCLATURE ADVERTISEMENT FOR APRIL, 1968
CASE _3748_   , contraction

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 in
Eddy and Lea Counties, New Mexico, the ~~deletion~~ of an existing pool in Eddy
County, New Mexico, and the extension of certain existing pools in Chaves,
Eddy, Lea, and Roosevelt Counties, New Mexico, and giving notice to all per-
sons and parties interested in the subject matter thereof to appear and show
cause why such creations, deletions, and extensions should not be made.

a) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool
for Upper Pennsylvanian production and designated as the Antelope Sink-
Upper Pennsylvanian Gas Pool. The discovery well is Marathon Oil Company,
Antelope Sink Unit No. 1, located in Unit G of Section 18, Township 19
South, Range 24 East, NMPM. Said pool described as:

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM
SECTION 18: N/2

b) CREATE A new pool in Eddy County, New Mexico, classified as an oil pool
for Delaware production and designated as the Big Eddy-Delaware Pool. The
discovery well is Pan American Petroleum Corporation, Big Eddy Unit No. 11,
located in Unit I of Section 7, Township 20 South, Range 31 East, NMPM.
Said pool described as:

TOWNSHIP 20 SOUTH, RANGE 31 EAST, NMPM
SECTION 7: NE/4 SE/4

c) CREATE A new pool in Lea County, New Mexico, classified as an oil pool
for Abo production and designated as the House-Abo Pool. The discovery
well is Pan American Petroleum Corporation, Howse "C" No. 1, located in
Unit H of Section 11, Township 20 South, Range 38 East, NMPM. Said pool
described as:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
SECTION 11: NE/4

d) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool
for Morrow production and designated as the Huapache-Morrow Gas Pool. The
discovery well is Humble Oil & Refining Company, Huapache Unit No. 10, lo-
cated in Unit F of Section 10, Township 23 South, Range 22 East, NMPM.
Said pool described as:

TOWNSHIP 23 SOUTH, RANGE 22 EAST, NMPM
SECTION 10: N/2

e) CREATE A new pool in Lea County, New Mexico, classified as an oil pool
for Tubb Drinkard production and designated as the Imperial Tubb-Drinkard
Pool. The discovery well is Bronco Oil Corporation, E. C. Hill "A" No. 3,
located in Unit O of Section 27, Township 23 South, Range 37 East, NMPM.
Said pool described as:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
SECTION 27: SE/4

(handwritten in left margin) the abolishment of an existing pool in Lea County, New Mexico,

✓ Contract

by the deletion of the

f) ~~DELETE~~ the Cave-Grayburg Pool in Eddy County, New Mexico, ~~described as~~:

following acreage:

    TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
    SECTION 16: NW/4
    SECTION 17: NE/4

(*h* ~~g~~) EXTEND the West Bronco-Devonian Pool in Lea County, New Mexico, to include therein:

    TOWNSHIP 13 SOUTH, RANGE 38 EAST, NMPM
    SECTION 6: SW/4

(*i* ~~h~~) EXTEND the East Brunson-McKee Pool in Lea County, New Mexico, to include therein:

    TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
    SECTION 23: SW/4 SE/4

j) EXTEND the Grayburg-Jackson Pool in Eddy County, New Mexico, to include therein:

    TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
    SECTION 16: N/2 and SW/4

add j) from next page

k) ~~j~~) ~~EXTEND the Inbe-Permo-Pennsylvanian Pool in Lea County, New Mexico, to include therein:~~ ~~j)~~ *T 10S, R 33E* - K) *from next page*

add the portion of k) shown on next page

    ~~TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM~~
    ~~SECTION 26: NE/4~~

l) ~~k~~) EXTEND the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

    TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM
    SECTION 9: All

m) ~~l~~) EXTEND the McMillan-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

    TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
    SECTION 24: All

n) ~~m~~) EXTEND the Tatum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

    TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM
    SECTION 5: NE/4

o) ~~n~~) EXTEND the Teague-Blinebry Pool in Lea County, New Mexico, to include therein:

    TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
    SECTION 33: NE/4

f) o) EXTEND the Todd-Lower San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 36 EAST, NMPM
SECTION 29:   NW/4
SECTION 32:   NW/4

g) p) EXTEND the Twin Lakes-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM
SECTION 36:   N/2 NW/4

j) q) Abolish the Middle Lane - Permo Pennsylvanian Pool in Lea County, New Mexico, described as:

Township 10 South, Range 33 East, NMPM
Section 3: SE/4
Section 10: E/2
Section 11: All
Section 13: S/2
Section 14: All
Section 15: E/2 NW/4, NE/4, and S/2
Section 22: W/2 and NE/4
Section 23: N/2 and N/2 SW/4
Section 24: NW/4, N/2 SW/4, and SE/4

k) Extend the Jalee Permo - Pennsylvanian Pool in Lea County, New Mexico, add to j) on preceding page to include the area described above from the abolished Middle Lane - Permo Penn. and include also the following described area:

T 10 S, R 33 E
Section 22: SE/4   (This leaves All in the extension)
Section 27: N/2

T 11 S R 33 E
Section 26: NE/4

u) Redefine the vertical limits of the Cedar Hills-Wolfcamp Gas Pool in Eddy County, New Mexico, which comprises:

Township 21 South, Range 27 East NMPM
Section 15: SE/4

to be the Upper Pennsylvanian formation rather than the Wolfcamp formation and to name said pool Cedar Hills - Upper Pennsylvanian gas Pool

Extend said Cedar Hills - Upper Pennsylvanian gas Pool to include therein:

Township 21 South, Range 27 East NMPM
Section 15: NE/4

A) Contract the Monument (grayburg-San Andres) Pool in Lea County, New Mexico by the deletion of the following-described acreage:

Township 20 South, Range 37 East, NMPM
Section 19: N/2 NE/4

t) Extend the Eunice (grayburg-San Andres) Pool in Lea County to include therein:

Township 20 South, Range 37 East, NMPM
Section 19: N/2 NE/4

Case 3748

March 15, 1968

N. M. Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

'68 MAR 18 AM 8: 08

Attention: George Hatch

Re: April Nomenclature Case, South-
east New Mexico

Dear George:

We urgently need to make an addition to the nomenclature adver-
tisement for the April 17th Commission Hearing. We wish to abolish
the Cedar Hills - Wolfcamp Gas Pool, T21S, R27E, Sec. 15, SE/4 and
create the Cedar Hills - Upper Pennsylvanian Gas Pool, T21S, R27E,
Sec. 15, E/2 or, in the alternative, amend the vertical limits of
the forementioned pool from Wolfcamp to Upper Pennsylvanian and
extend the pool to include all of the E/2 of Section 15.

The operator has requested this change, see enclosed letter.
My own studies of this matter, made some time ago, confirm the
operator's opinion as to the formation designation.

Further, the operator wishes to dedicate 320 acres to the
well. As both the current pool and the surviving pool will have
been created after June 1, 1964, there should be no problem on
this point.

This matter needs to be heard at the April hearing in order

March 15, 1968

Mr. George Hatch
N. M. Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

to facilitate the operators application for a 320 acre communitiza-
tion agreement. If there are any problems or questions on this
matter, please call me.

                            Very truly yours,

                            OIL CONSERVATION COMMISSION

                            R. L. Stamets
                            Geologist

RLS/bh
Enc.

OFFICE PHONE 746-3558

HARVEY E. YATES

DRILLING AND PRODUCTION

CARPER BUILDING

ARTESIA, NEW MEXICO – 88210

March 15, 1968

Case 3 '68 Mar 18 AM 8 06

RECEIVED

MAR 1 5 1968

O. C. C.
ARTESIA. OFFICE

New Mexico Oil Conservation Commission
Drawer DD
Artesia, New Mexico

RE: Cedar Hills Unit T21S R27E NMPM

Dear Sirs:

We respectifully request the pool name changed from Cedar Hills Wolfcamp Gas to Cedar Hills Upper Pennsylvanian Gas, for the following reasons:

Our Geologist determined the production from perforations 9558-9569 is from the Upper Pennsylvanian formation on well log correlation.

Also the gravity of the gas and condensate, and the appearance of the condensate is similar, to other Upper Pennsylvanian Gas distillate production in the area.

We further request 320 acre spacing for said Cedar Hills-Upper Pennsylvanian Gas Pool.

Yours truly,

Harvey E. Yates

HEY:vc

DOCKET MAILED

Date 4-4-68

Case 3748

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Harvey E. Yates	Cedar Hills Unit #	1

Unit Letter	Section	Township	Range	County	
I	15	21S	27E		Eddy

Actual Footage Location of Well:

1980 feet from the **South** line and **660** feet from the **East** line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
	Cisco,	Cedar Hills	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

[X] Yes   [ ] No   If answer is "yes," type of consolidation ___Communitization___   MAR 15 1968

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_____ See Reverse Side _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

'68 MAR 18 AM 8 03
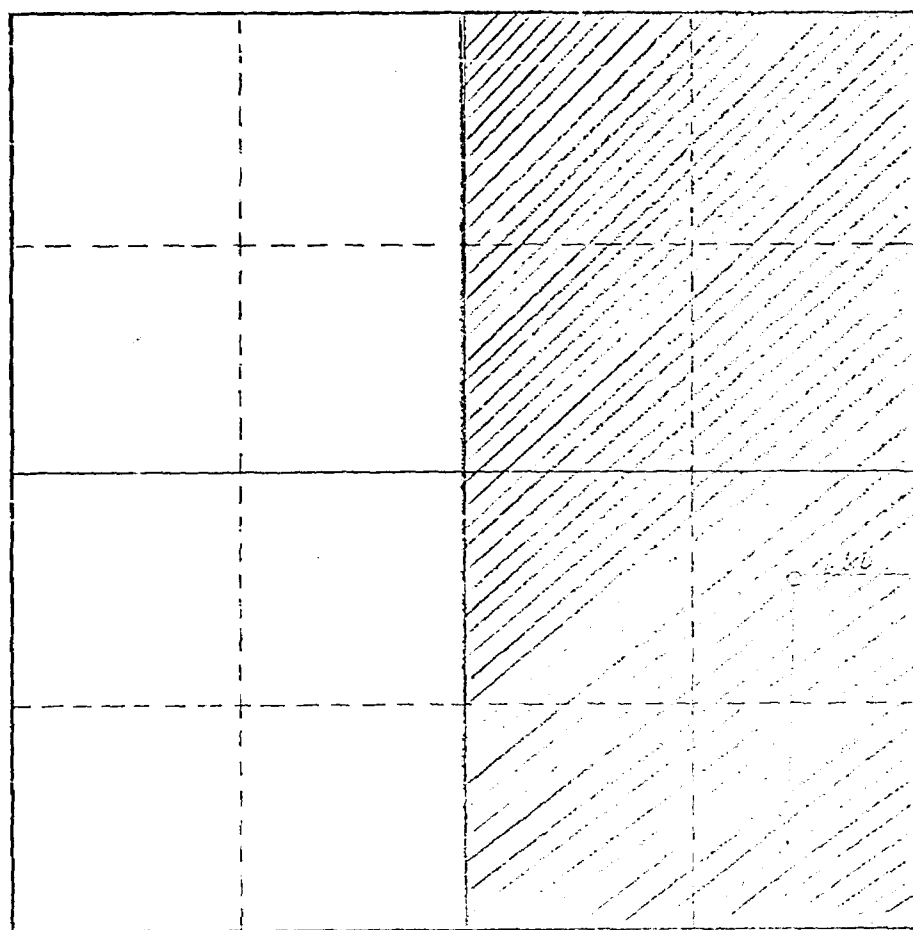
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Harvey E. Yates
Name
Harvey E. Yates

Position
Operator

Company
Harvey E. Yates

Date
MAR 15 1968

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

See Platt Dated 9/13/62
Date Surveyed

Humble Oil & Refinery
Registered Professional Engineer and/or Land Surveyor

Certificate No.

| 0 | 330 | 660 | 990 | 1320 | 1650 | 1980 | 2310 | 2640 | 2000 | 1500 | 1000 | 500 | 0 |
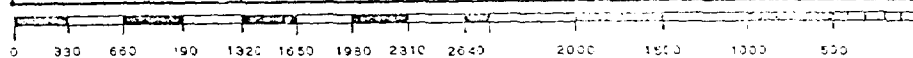
TEXACO
INC.

PETROLEUM PRODUCTS

Case 3748

DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION

P. O. BOX 3109
MIDLAND, TEXAS

March 14, 1968

<u>REQUEST FOR EXAMINER HEARING</u>
PILOT WATERFLOOD PROJECT
EUNICE (GRAYBURG-SAN ANDRES) OIL POOL
LEA COUNTY, NEW MEXICO

Oil Conservation Commission (3)
P. O. Box 2088
Santa Fe, New Mexico 87501

'68 MAR 15 AM 8 27

Attn: Mr. A. L. Porter, Jr.

Gentlemen:

It is respectfully requested that an examiner hearing be scheduled in Santa Fe, New Mexico to consider the application of Texaco Inc. for Oil Conservation Commission approval to conduct a pilot waterflood operation in the Eunice (Grayburg-San Andres) Oil Pool in Lea County, New Mexico.

The proposed project area of the waterflood project is comprised of the proration unit upon which the injection well is located plus all the proration units directly or diagonally offsetting the injection well and having producing wells completed thereon in the same formation as provided by Statewide Rule 701, E.2. This area comprises all Texaco's New Mexico "C" State NCT-2 Lease, being the NE/4 of Section 19, T-20-S, R-37-E, Lea County, New Mexico, containing 160 acres.

Approval will be requested to convert Well No. 7 located in Unit G to water injection. Initially, this will be the only injection well. It is anticipated that after establishing successful pilot operations, consideration will be given to expanding this waterflood project by unitizing adjacent tracts and converting additional wells to injection service.

The injection fluid for this proposed pilot project will be fresh water from the Ogallala formation, obtainable from a water well presently completed in the SE/4 of the NE/4 of Section 19, T-20-S, R-37-E. This well was drilled and completed in accordance with State Engineer Water Right Permit No. L-4410. Injection will be down 2-3/8"

CARBON MAILED

Date 7-4-68

plastic coated tubing with a packer set at approximately 3620' into
the open hole interval from 3670' to 3866'. It is estimated that
initial injection rates will approximate 500 barrels of water per day
with a surface injection pressure of approximately 500 psi.

In addition to requesting an order authorizing the formation
of this pilot project and the conversion of Well No. 7 to injection
service, Texaco Inc. will also request Commission approval to trans-
fer Wells No. 5 and 6 on the subject lease from the Monument (Grayburg
San Andres) Pool to the Eunice (Grayburg-San Andres) Oil Pool. Of
the four wells completed on the New Mexico "C" State NCT-2 Lease,
Numbers 5 and 6 are currently assigned to the Monument Pool while
Numbers 7 and 8 are assigned to the Eunice Oil Pool. All four wells
produce from the same formation.

In support of this application and in compliance with Statewide
Rule 701 B., we attach hereto a plat showing the location of the sub-
ject lease, project area, producing and injection well, and offset
operators. In addition, a diagrammatic sketch of the proposed inject-
ion well is attached showing the subsurface installation. Also attach-
ed is a copy of the Schlumberger Electrical Log of the proposed in-
jection well.

Listed below are all of the offset operators to Texaco's New
Mexico "C" State NCT-2 Lease. A copy of this letter is being mailed
this date to each of the offset operators.

Yours very truly,

C. L. Whigham
Division Proration Engineer

CLW:jl
Attach.

cc: Oil Conservation Commission
P. O. Box 1110
Hobbs, New Mexico

Offset Operators
Continental Oil Company - Box 431 - Midland, Texas 79701
Gulf Oil Corporation - Box 1150 - Midland, Texas 79701
Humble Oil & Refng. Company - Box 1600 - Midland, Texas 79701
Phillips Petroleum Company - Box 791 - Midland, Texas 79701

TEXACO INC.

PORTION OF EUNICE-MONUMENT FIELDS

LEA COUNTY, NEW MEXICO

⊙ WELLS IN PROPOSED PROJECT AREA

∅ PROPOSED INJECTION WELL

PROPOSED PROJECT AREA

SCALE: 1" 4000'   EDMc 3-7-68

13" casing set @ 135'
cemented with 125 sacks.
Cement circulated

8 5/8" casing in 11" hole
set @ 1122' cemented with
250 sacks (top of cement
unknown)

Casing-Tubing Annulus
To Be Loaded With
Inhibited Fluid

5 1/2" casing in 7 7/8" hole
set @ 3670' cemented with
125 sacks (top of cement
unknown)

2" tubing set @ approximately 3670'
(Internally Plastic Coated)

3620' estimated

DIAGRAMATIC SKETCH
PROPOSED INJECTION WELL
TEXACO INC.
N.M. STATE "C" (NCT-2) NO. 7
EUNICE GRAYBURG SAN ANDRES FIELD
LEA COUNTY, NEW MEXICO

Top of Grayburg 3640'

Injection interval
3670' to 3866' open hole

4 3/4" open hole to total
depth of 3866'
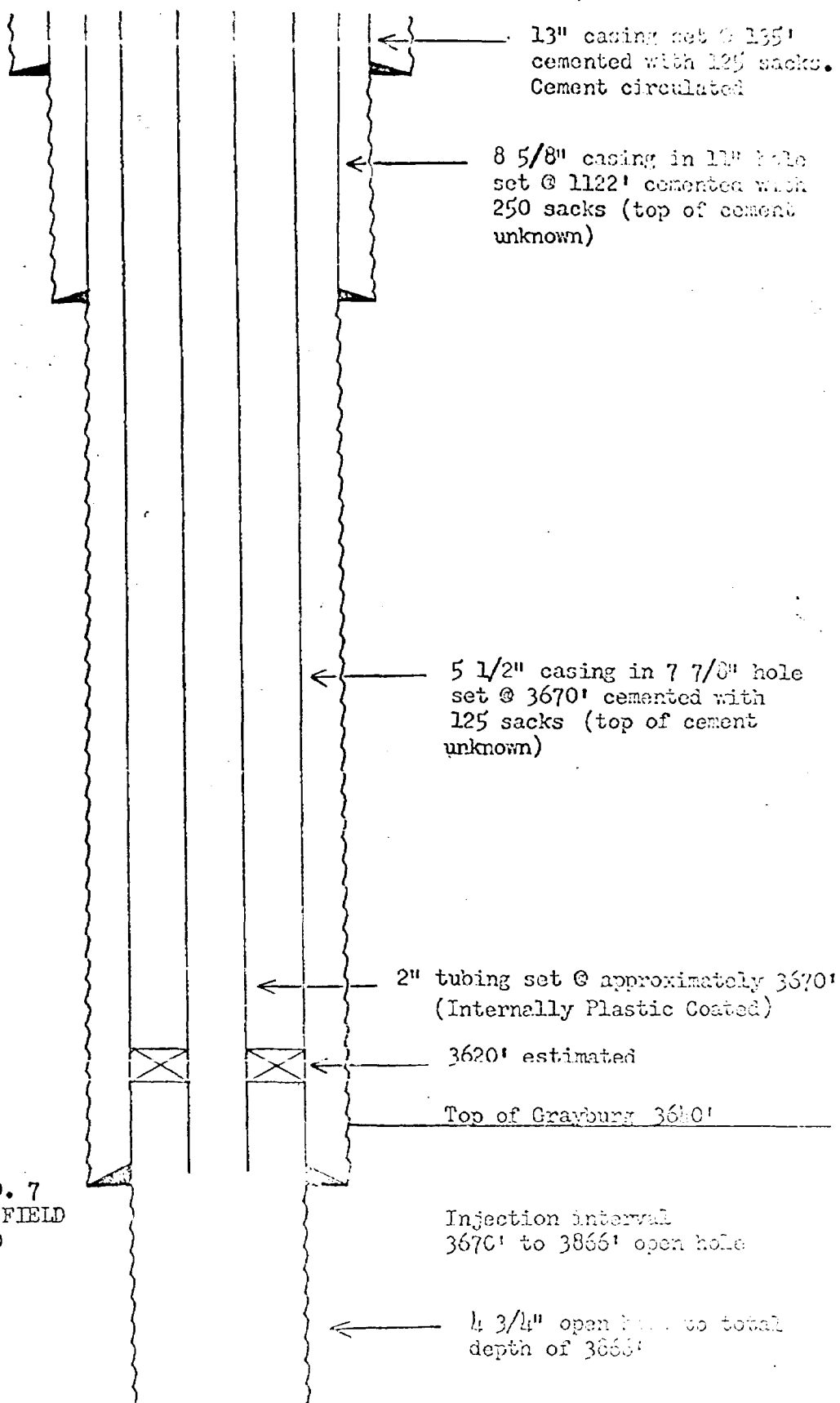
Case 3748

WELLS IN PROJECT WITH CURRENT ALLOWABLES

	Location	Allowable
New Mexico 'C' State (NCT-2) No. 8-H	19-20S-37E	1
New Mexico 'C' State (NCT-2) No. 5-A	19-20S-37E	7
New Mexico 'C' State (NCT-2) No. 6-B	19-20S-37E	4

C tot 3748

OFFSET OPERATORS
TEXACO Inc.

NEW MEXICO 'C' STATE (NCT-2)
LEASE

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico

Gulf Oil Corporation
P. O. Box 1938
Roswell, New Mexico

Humble Oil & Refining Co
P. O. Box 2100
Hobbs, New Mexico

Phillips Petroleum Co
P. O. Box 1232
Odessa, Texas

Oase 3748

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Hobbs, New Mexico
April 17, 1968
REGULAR HEARING

IN THE MATTER OF:)
)
Southeastern New Mexico   )
nomenclature case calling for an   )   Case 3748
order for the creation, abolishment,   )
contraction and redefinition of   )
certain pools in Chaves, Eddy, Lea   )
and Roosevelt Counties, New Mexico.   )
)
)
)
)
)
)

BEFORE:

          A.L. "Pete" Porter, Secretary-Director
          Guyton B. Hayes, Land Commissioner
          David F. Cargo, Governor

                    TRANSCRIPT OF HEARING

MR. PORTER: The Commission will next take up Case 3748.

MR. HATCH: Case 3748: Southeastern New Mexico nomenclature case calling for an order for the creation, extension, abolishment, contraction and redefinition of certain pools in Chaves, Eddy, Lea and Roosevelt Counties, New Mexico.

(Witness sworn)

JOHN W. RUNYAN

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

DIRECT EXAMINATION

BY MR. HATCH:

Q   State your name and position for the record.

A   John W. Runyan, Geologist with the New Mexico Oil Conservation Commission.

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

A   Yes, sir.

Q   Are your recommendations prepared in the form

of an exhibit?

    A   Yes, sir.

    Q   What is that exhibit?

    A   Exhibits A through T.

    Q   That would be Exhibit 1 Paragraphs A through T?

    A   Yes, sir.

    Q   Would you please refer to that exhibit and to the docket that has been prepared and distributed and point out any substantial differences between the two and any corrections that need to be made?

    A   Yes, sir. Paragraph K, under Township 10 South, Range 33 East, we have an additional acreage, in Section 33, the north half of the northeast quarter, and under Paragraph P we have an addition, under Township 7 South, Range 36 East an addition in Section 20, southwest quarter.

    Q   Are those the only corrections to be made?

    A   Yes, sir.

    Q   Do you recommend to the Commission that the subject pools be created, extended, abolished, contracted and redefined as advertised and as you have just corrected in this hearing?

A   Yes, sir.

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

A   Under my supervision.

MR. HATCH: I would like to move the introduction of Exhibit 1.

MR. PORTER: If there are no objections Exhibit 1 will be admitted.

>(Whereupon, Exhibit 1 was
>offered and admitted in
>evidence)

MR. PORTER: Does anyone have a question of Mr. Runyan? He may be excused.

>(Witness excused)

MR. PORTER: Is there anything further to be offered in the Southeast nomenclature case? The Commission will take the case under advisement.

STATE OF NEW MEXICO   )
) ss
COUNTY OF BERNALILLO)

I, KAY EMBREE, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Witness my Hand and Seal this 29th day of April, 1968.

_____
NOTARY PUBLIC

My Commission Expires:

November 19, 1971

CASE 3748: (a) CREATION OF A NEW GAS POOL

COUNTY **Eddy**   POOL   **Antelope Sink-Upper Pennsylvanian Gas**

TOWNSHIP   **19S**   RANGE   **24E**   NMPM

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

Purpose: One completed gas well capable of producing.

Discovery Well: Marathon Oil Co., Antelope Sink Unit Well No. 1
in unit G of Section 18-19-24. Completed in Upper Pennsylvanian
July 21, 1963, through perforations 6148 to 6366'.

Proposed pool boundary colored in green.

                    Section 18: N/2

CASE 3748: (b) CREATION OF A NEW OIL POOL

COUNTY **Eddy**   POOL   **Big Eddy-Delaware**

TOWNSHIP   **20S**   RANGE   **31E**   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: Pan American Petroleum Corp. Big Eddy Unit
Well No. 11 in unit I of Section 7-20-31. Completed in Delaware
in January 2, 1968 through perforations 5142' to 5165'.

Proposed pool boundary colored in green.

Section 7: NE/4 SE/4

CASE 3748: (c) CREATION OF A NEW OIL POOL

COUNTY __LEA__   POOL   __HOUSE-ABO__

TOWNSHIP __20 South__   RANGE __38 East__   NMPM

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

PURPOSE: One completed oil well capable of producing.

PAN AMERICAN PETROLEUM CORPORATION - Howse "C" #1 in Unit H of Section
11-20-38.   Completed in Abo on November 8, 1967.   Top of Perforations
7214'.

Proposed pool boundary colored in red.   SECTION 11:   NE/4

CASE 3748: (d) CREATION OF A NEW GAS POOL

COUNTY **Eddy**   POOL **Huapache-Morrow Gas**

TOWNSHIP **23S**   RANGE **22E**   NMPM

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

Purpose: One completed gas well capable of producing.

Discovery Well: Humble Oil & Refining Co. Huapache Unit
Well No. 10 in unit F of Section 10-23-22. Completed in Morrow
May 18, 1963, through perforations 9932' to 9942'.

Proposed pool boundary colored in green.
                    Section 10: N/2

CASE 3748: (e) CREATION OF A NEW OIL POOL

COUNTY   LEA   POOL   IMPERIAL TUBB-DRINKARD

TOWNSHIP   22 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 completed oil well capable of producing.

BRONCO OIL CORPORATION - E. C. Hill "A" #3 in Unit O of Section 27-23-37.

Completed in Tubb-Drinkard on December 13, 1967. Top of Perforations

6081'.

Proposed pool boundary colored in red. SECTION 27: SE/4

CASE 3748: (?) DELETION OF AN EXISTING OIL POOL

COUNTY **Eddy**   POOL   **Cave**

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
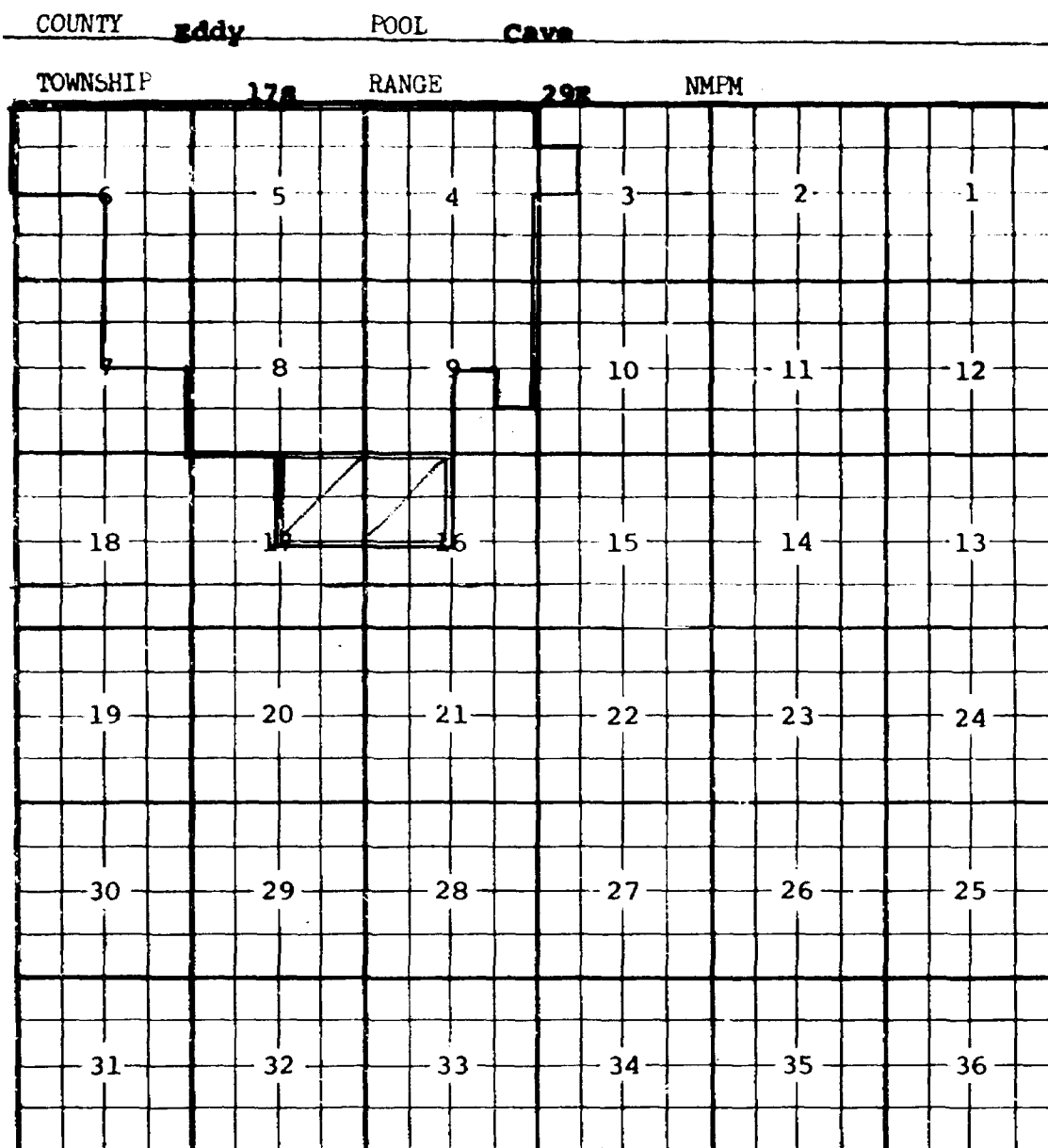
Purpose: To eliminate non-productive acreage and to place all acreage in the Grayburg Jackson West Cooperative Unit in the Grayburg Jackson Pool.

Pool boundary colored in red.

Proposed deletion colored in blue.
          Section 16: NW/4
          Section 17: NE/4

COUNTY **Eddy**   POOL **Grayburg Jackson**

RANGE   **29E**   NMPM

TOWNSHIP   **17S**

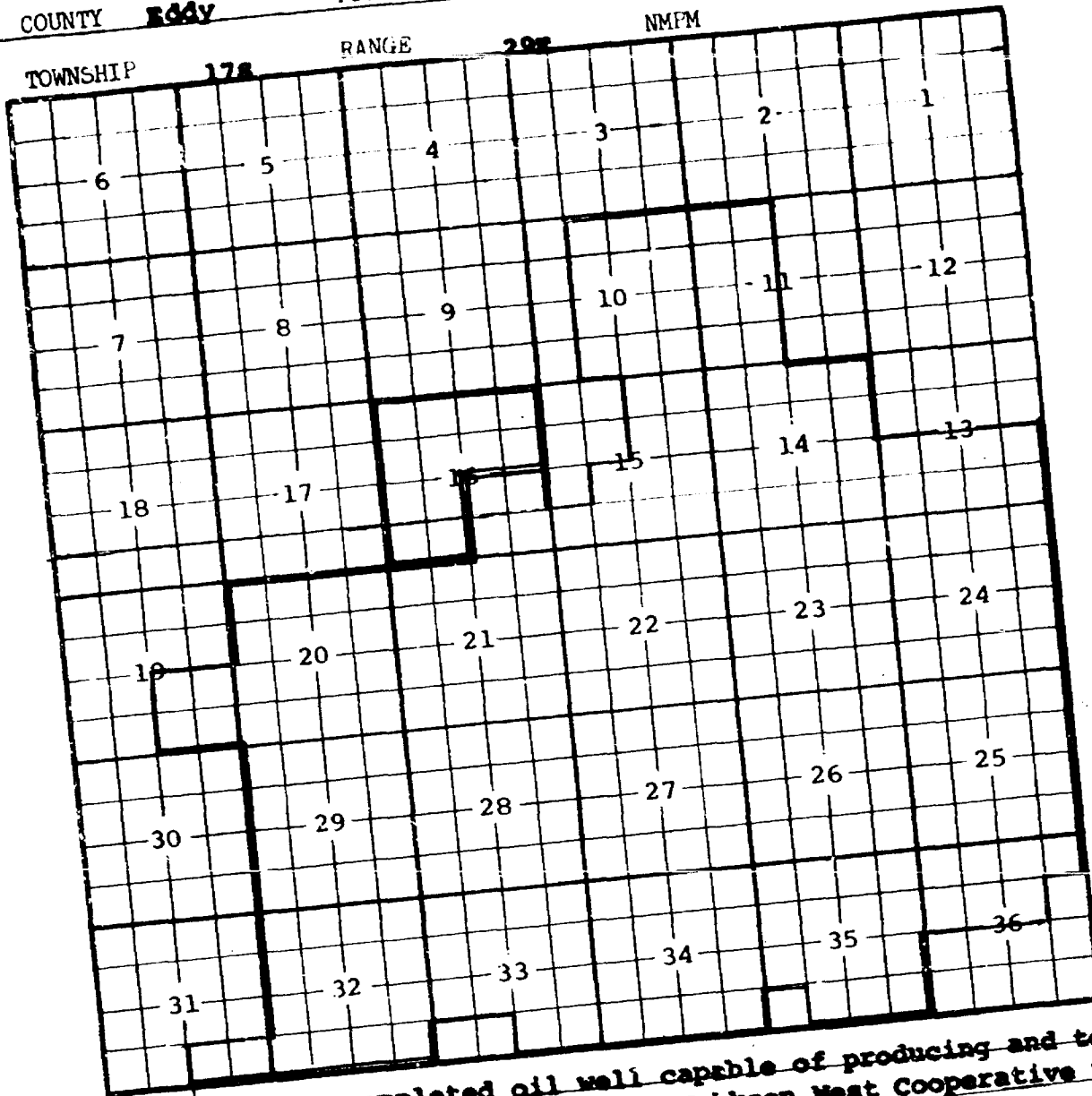**Purpose:** One completed oil well capable of producing and to place all acreage in the Grayburg Jackson West Cooperative unit in the Grayburg Jackson Pool.

Tenneco Oil Co. Sinclair "A" State well No. 1 in unit K of Section 16-17-29. Completed in Grayburg-San Andres January 7, 1968.

Pool boundary colored in red.
Proposed extension colored in green;
       Section 16: N/2 & SW/4

CASE 3743: (h) EXTENSION OF AN EXISTING OIL POOL

COUNTY __LEA__   POOL   __WEST BRONCO-DEVONIAN__

TOWNSHIP __13 South__   RANGE __38 East__   NMPM

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

PURPOSE: One completed oil well capable of producing.

MAJOR, GIEBEL & FORSTER - E. B. Anderson #1 in Unit L of Section 6-13-38.

Completed in Devonian on January 14, 1967. Depth to Casing Shoe 12,182'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 6: SW/4

CASE 3748: **(1) EXTENSION OF AN EXISTING OIL POOL**

COUNTY __LEA__ POOL __EAST BRUNSON-McKEE__

TOWNSHIP __22 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 completed oil well capable of producing.

GULF OIL CORPORATION - O. I. Boyd #4 in Unit O of Section 23-22-37. Completed in McKee on February 6, 1968. Top of Perforations 7353'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 23: SW/4 SE/4

CASE 3748: (j) ABOLISHMENT OF AN EXISTING OIL POOL

COUNTY __LEA__   POOL __MIDDLE LANE PERMO-PENNSYLVANIAN__

TOWNSHIP __10 South__   RANGE __33 East__   NMPM
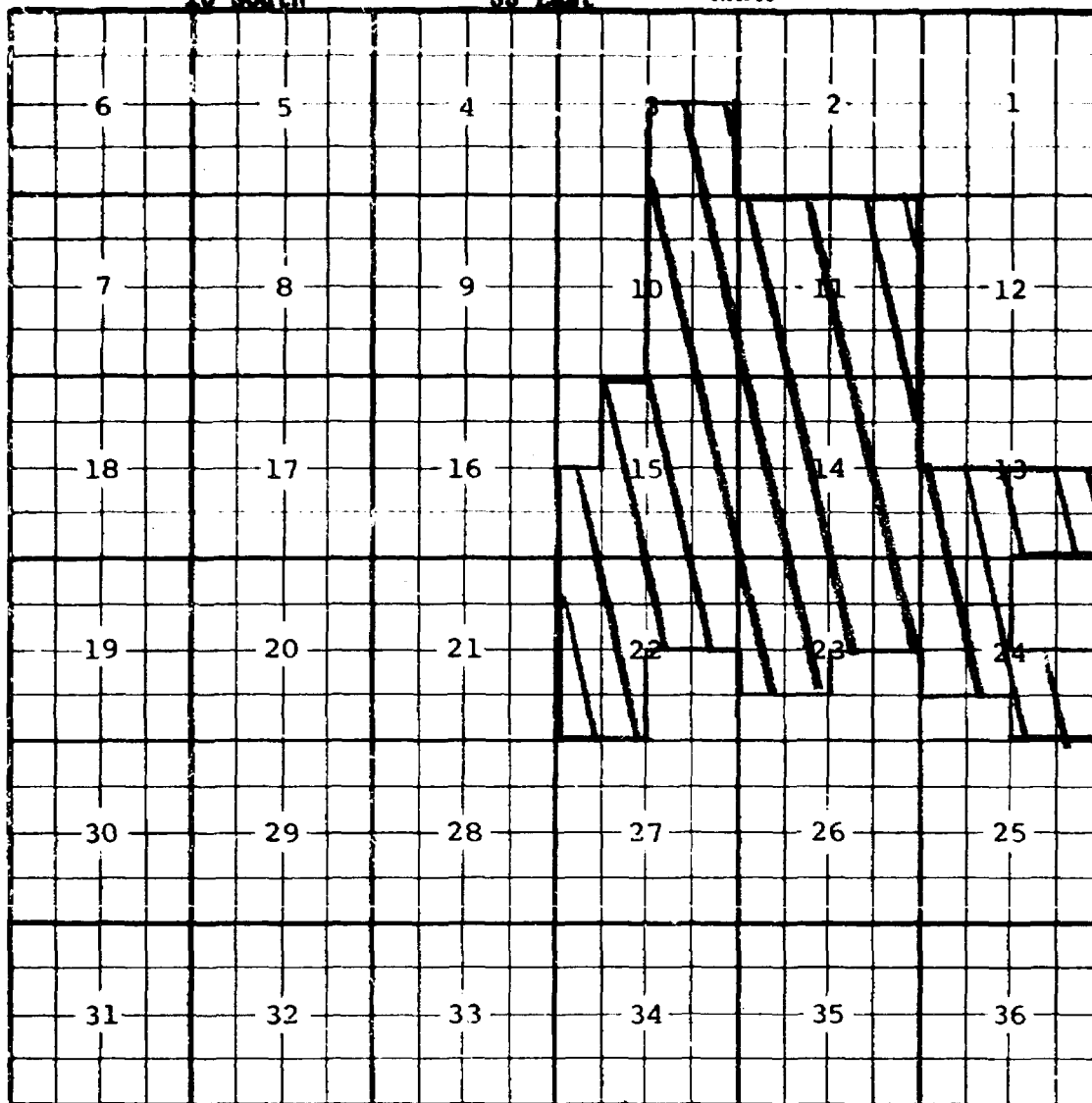
PURPOSE: To consolidate two oil pools with contiguous pool boundaries
          and producing from the same pay zone.

Proposed pool abolishment colored in blue. SECTION 3:   SE/4

                                            SECTION 10: E/2

                                            SECTION 11: All

                                            SECTION 13: S/2

                                            SECTION 14: All

                                            SECTION 15: E/2 NW/4, NE/4, and S/2

                                            SECTION 22: W/2 and NE/4

                                            SECTION 23: N/2 and N/2 SW/4

                                            SECTION 24: NW/4, N/2 SW/4, and SE/4

CASE 3748: (k) EXTENSION TO AN EXISTING OIL POOL (Continued on next page)

COUNTY __LEA__   POOL __INBE PERMO-PENNSYLVANIAN__

TOWNSHIP __10 South__   RANGE __33 East__   NMPM

PURPOSE: To include abolished acreage from the Middle Lane Permo-
          Pennsylvanian Pool and two completed oil wells capable of pro-
          ducing.

ADDITION--CHARLES B. READ - State "CF" #1 in Unit A of Section 33-10-33.
          Completed in Bough C on March 21, 1968. Top of Perforations 9469'.

Pool boundary colored in red.

Proposed pool extensions colored in green.

SECTION 3: SE/4	SECTION 23: N/2 and N/2 SW/4
SECTION 10: E/2	SECTION 24: NW/4, N/2 SW/4, and SE/4
SECTION 11: All	SECTION 27: N/2
SECTION 13: S/2	ADDITION----SECTION 33: N/2 NE/4
SECTION 14: All	
SECTION 15: E/2 NW/4, NE/4, and S/2	
SECTION 22: All	

COUNTY   LEA   POOL   INBE PERMO-PENNSYLVANIAN

TOWNSHIP   11 South   RANGE   33 East   NMPM

Short section

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

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

MIDWEST OIL CORPORATION - New Mexico "O" State #1 in Unit A of Section
26-11-33. Completed in Bough "C" on February 17, 1968. Top of Perfora-
tions 9800'.

MIDWEST OIL CORPORATION - Mae Dallas #1 in Unit H of Section 26-11-33.
Completed in Pennsylvanian on March 27, 1968. Top of Perforations 9800'.
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 26: NE/4

CASE 3748: (1) EXTENSION OF AN EXISTING GAS POOL

COUNTY **Eddy**   POOL **North Indian Hills-Morrow Gas**

TOWNSHIP **21S**   RANGE **24E**   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
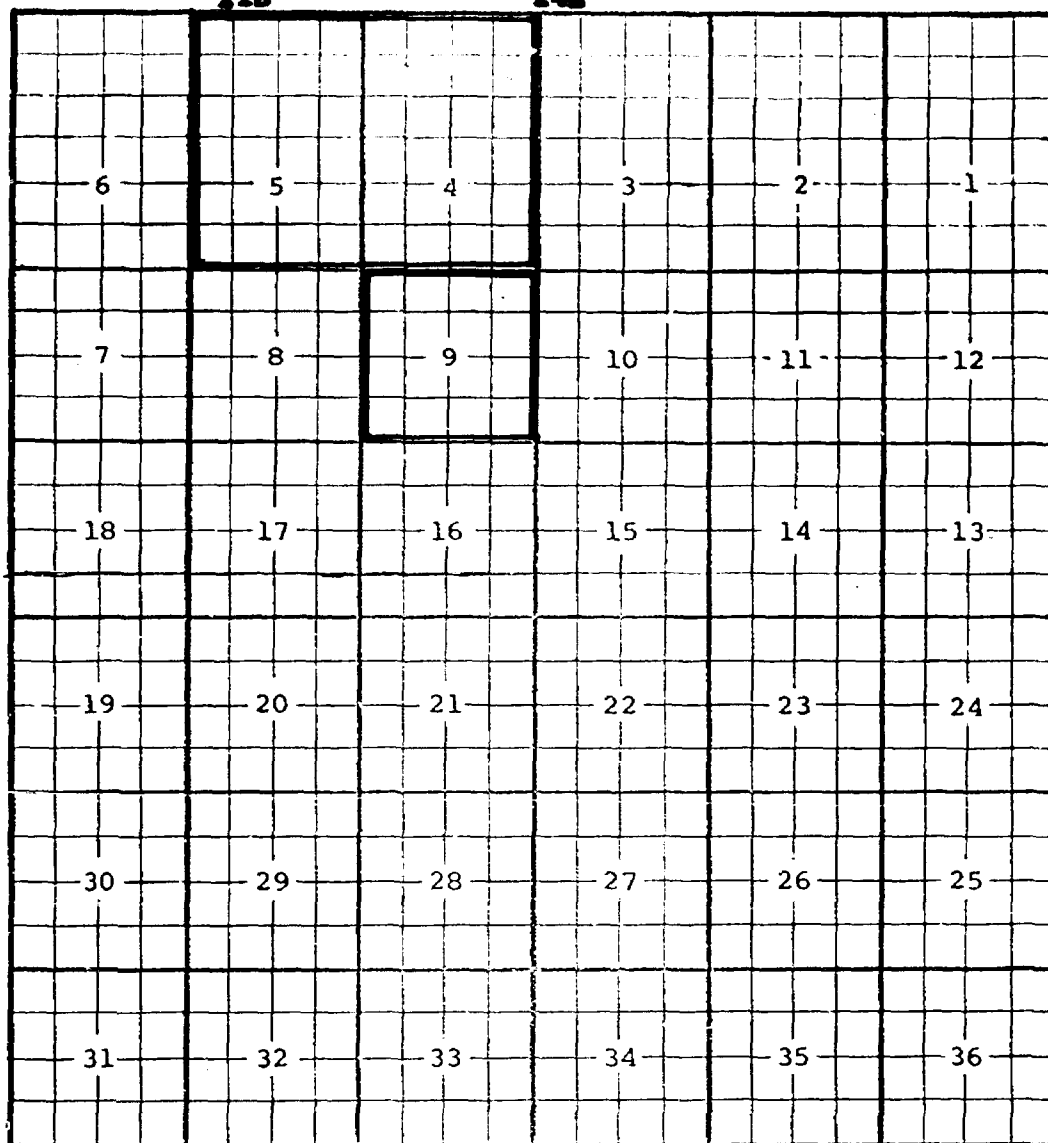
Purpose: One completed gas well capable of producing.

David Fasken, Skelly Federal well No. 1 in unit M of Section
9-21-24. Completed in Morrow October 25, 1967, through
perforations 9784' to 9804'.

Pool boundary colored in red.

Proposed extension colored in green.

Section 9: ALL

COUNTY **Eddy**   POOL **McMillan-Morrow Gas**

TOWNSHIP **20S**   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.

Cities Service Oil Co., State CJ Com well No. 1 in unit G of Section 24-20-26. Completed in Morrow February 6, 1968, through perforations 10240' to 10349'.

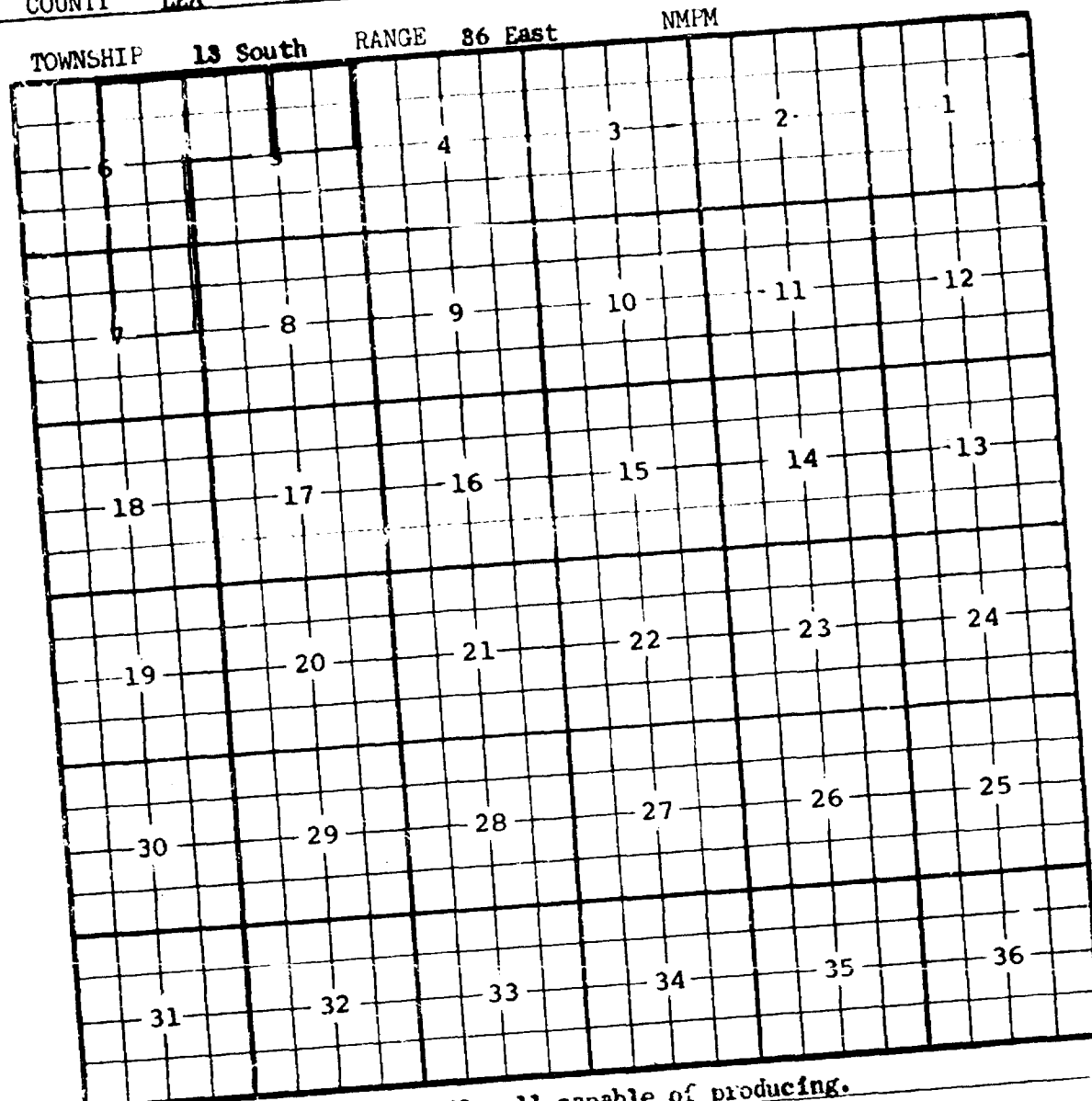Pool boundary colored in red.

Proposed extension colored in green.

Section 24: ALL

COUNTY   LEA   POOL   TATUM-WOLFCAMP

TOWNSHIP   13 South   RANGE   86 East   NMPM

PURPOSE: One completed oil well capable of producing.

THE SUPERIOR OIL COMPANY - State "F" #1 in Unit B of Section 5-13-36.

Completed in Wolfcamp on January 1, 1968. Top of Perforations 10,362'.
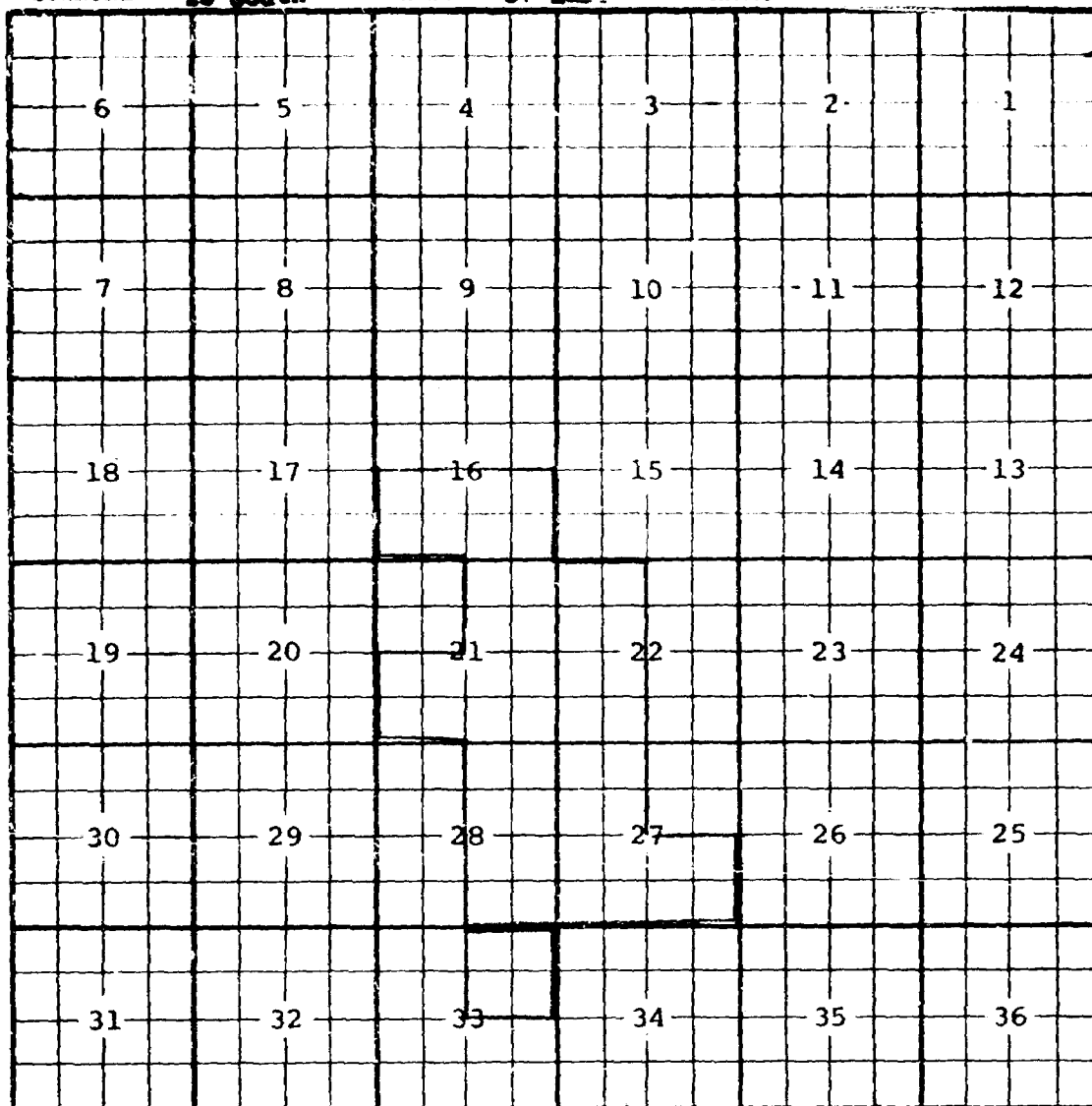
Pool boundary colored in red.

Proposed pool extension colored in green.   SECTION 5: NE/4

COUNTY **LEA**   POOL **TEAGUE-BLINEBRY**

TOWNSHIP   **23 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: Two completed oil wells capable of producing.

BRONCO OIL CORPORATION - Fanning "B" #1 in Unit A of Section 33-23-37.

Completed in Blinebry on December 22, 1967. Top of Perforations 5405'.

BRONCO OIL CORPORATION - Fanning "A" #1 in Unit B of Section 33-23-37.

Completed in Blinebry on January 28, 1968. Top of Perforations 5741'.
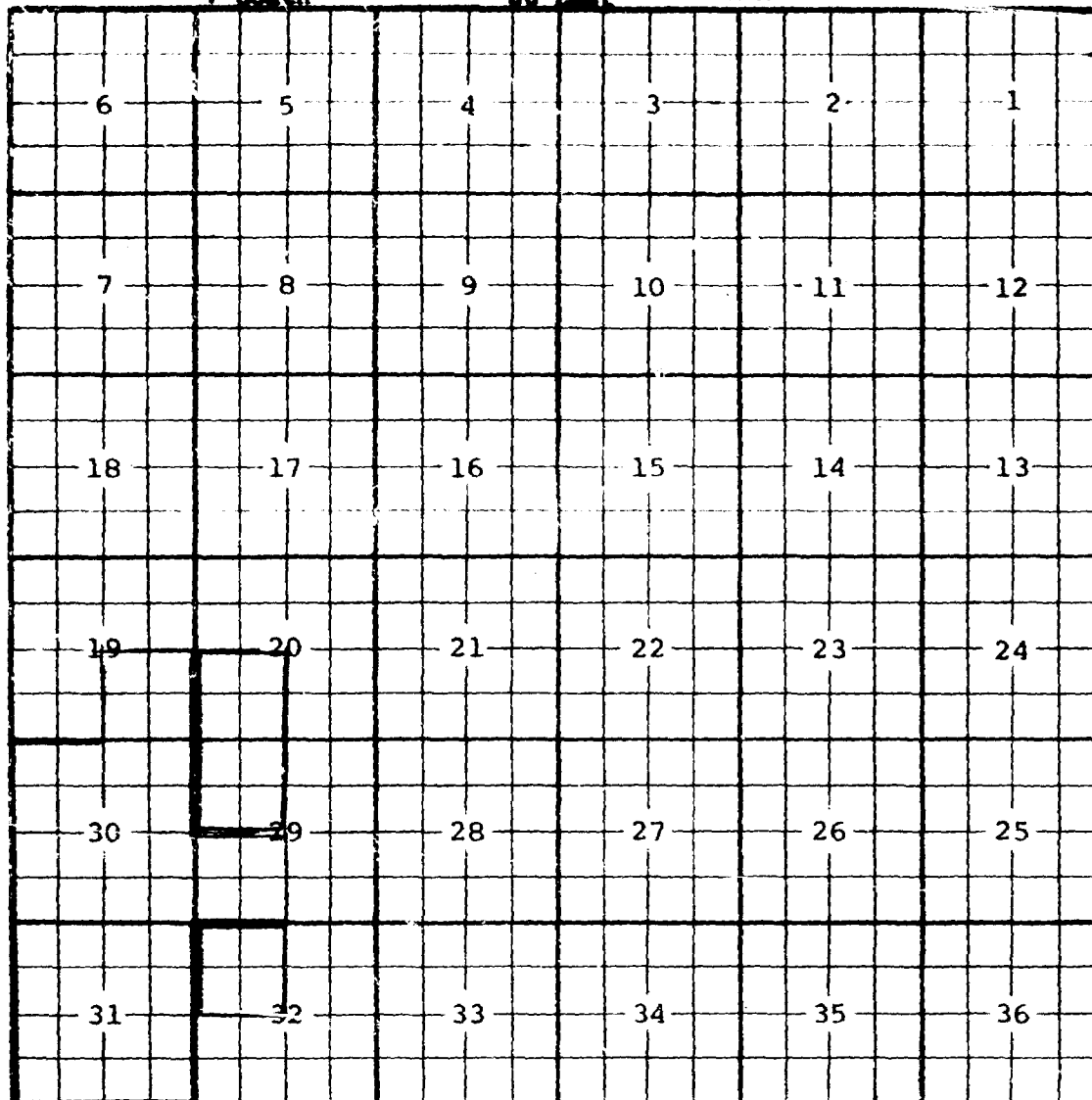
Pool boundary colored in red.

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

CASE 3748: (p) EXTENSION OF AN EXISTING OIL POOL

COUNTY **ROOSEVELT** POOL **TODD-LOWER SAN ANDRES**

TOWNSHIP **7 South** RANGE **36 East** NMPM

```
 6      5      4      3      2      1

 7      8      9     10     11     12

18     17     16     15     14     13

19     20     21     22     23     24

30     29     28     27     26     25

31     32     33     34     35     36
```

PURPOSE: Two completed oil wells capable of producing.

PAN AMERICAN PETROLEUM CORPORATION - Peterson "A" Federal #3 in Unit E
of Section 29-7-36. Completed in San Andres on February 14, 1968. Top
of Perforations 4240'.

FRANKLIN, ASTON & FAIR, INC. - Gates State #1 in Unit D of Section 32-7-
36. Completed in San Andres on February 3, 1968. Top of Perforations
4244'.

ADDITION--SUNRAY DX OIL COMPANY - New Mexico "HH" State #1 in Unit L of
        Section 20-7-36. Completed in San Andres on March 4, 1968.
        Top of Perforations 4284'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 29: NW/4

                                        SECTION 32: NW/4

                    ADDITION---------SECTION 20: SW/4

CASE 3748: (q) EXTENSION OF AN EXISTING OIL POOL

COUNTY   Chaves   POOL   Twin Lakes-San Andres

TOWNSHIP   8s   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 oil well capable of producing.

Twinlakes Oil Co. Citgo A State well No. 5 in unit C of Section 36-8-28. Completed in San Andres February 13, 1968, through perforations 2584' to 2590.

Pool boundary colored in red.

Proposed extension colored in green.

Section 36:   N/2 NW/4

CASE 3748: (r) REDEFINITION OF VERTICAL LIMITS AND EXTENSION OF HORIZONTAL LIMITS OF AN
Cedar Hills-Wolfcamp Gas   EXISTING GAS POOL
<u>Change to</u>

COUNTY   **Eddy**   POOL   **Cedar Hills-Upper Pennsylvanian Gas**

TOWNSHIP   **21S**   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
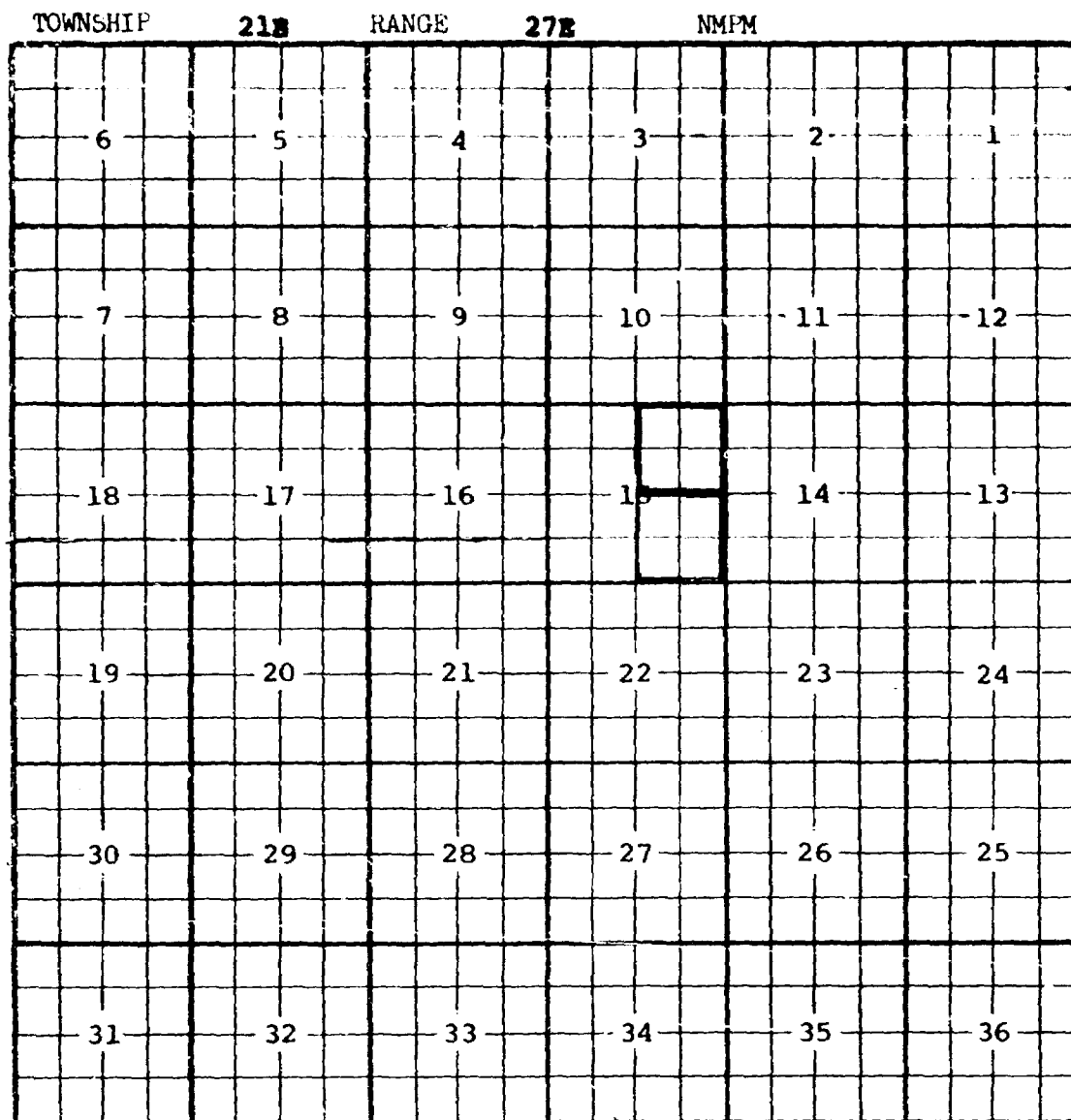
<u>Purpose:</u> To redefine the vertical limits of the pool from Wolfcamp
to Upper Pennsylvanian and to re-name said pool accordingly, based
on log correlations and a request by the sole operator in the pool.
Further, to extend the pool to include all dedicated acreage.
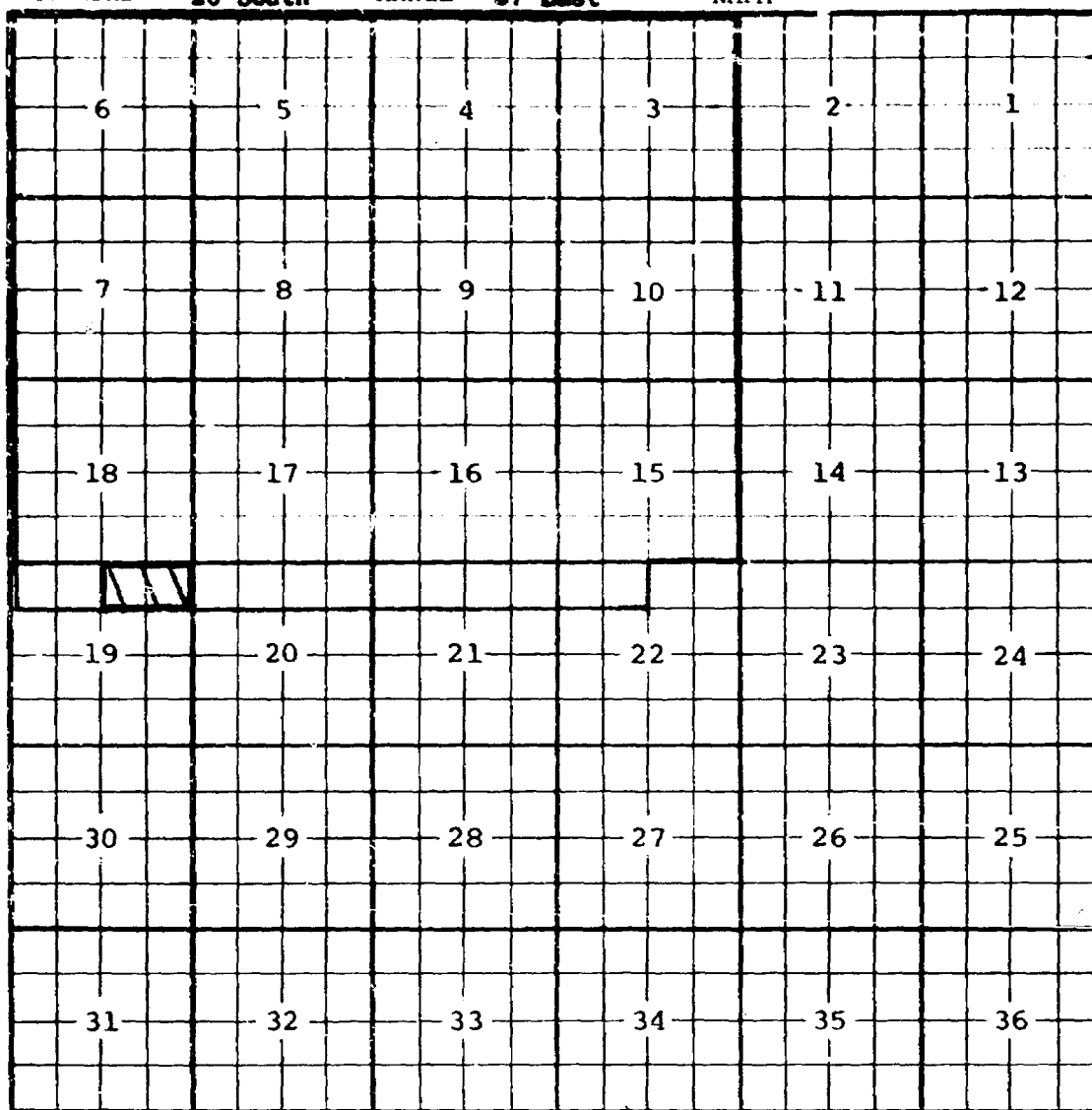
Pool boundary colored in red.
Proposed extension colored in green.
Section 15: NE/4

CASE 3748: (6) DELETION OF AN EXISTING OIL POOL

COUNTY **LEA**   POOL   **MONUMENT GRAYBURG-SAN ANDRES**

TOWNSHIP **20 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: To extend deleted acreage to the Eunice Grayburg-San Andres
          Pool.

Pool boundary colored in red.

Proposed pool deletion colored in blue. SECTION 19: N/2 NE/4

CASE 3748: (t) EXTENSION OF AN EXISTING OIL POOL
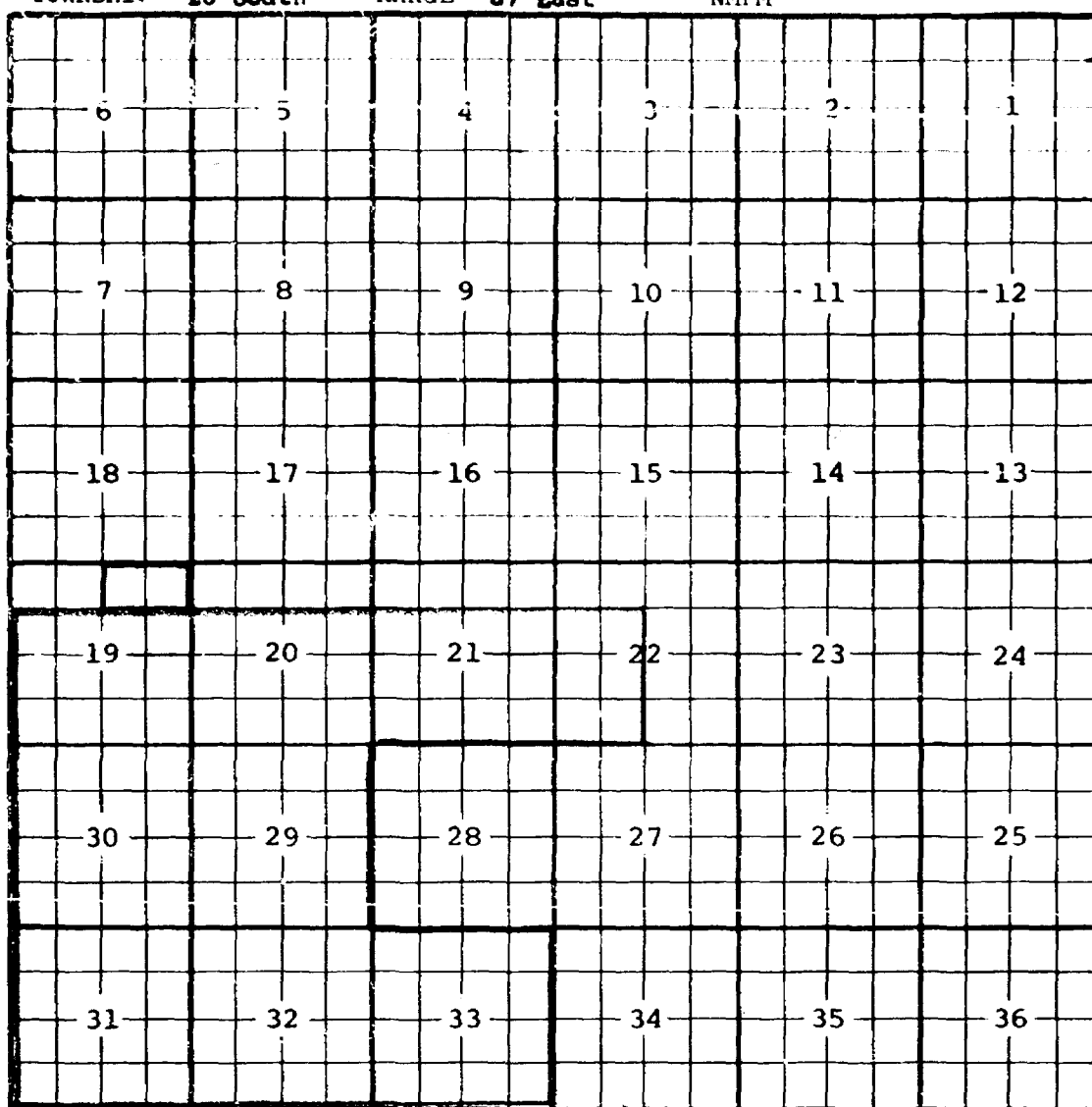
COUNTY LEA   POOL EUNICE GRAYBURG-SAN ANDRES

TOWNSHIP 20 South   RANGE 37 East   NMPM

PURPOSE: To include deleted acreage from Monument Grayburg-San Andres
          Pool.

Pool boundary colored in red.

Proposed pool extension colored in green.   SECTION 19: N/2 NE/4