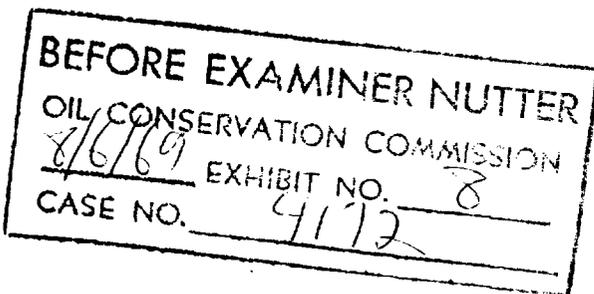


ECONOMICS FOR
LOVINGTON EAST PENN FIELD
LEA COUNTY, NEW MEXICO

	<u>40-Acre Spacing</u>	<u>80-Acre Spacing</u>
<u>Revenue For Average Well</u>		
40 acre - 250,000 barrels oil @ \$3.16	\$ 790,000	\$
80 acre - 217,000 barrels oil @ \$3.16		685,700
Less Royalty @ 12.5%	98,800	85,700
Less Severance Tax @ 6%	41,500	36,000
Total Revenue	649,700	564,000
<u>Expense</u>		
Drilling, Completion, Pumping Equipment	\$ 480,000	\$ 240,000
<u>Operating Cost</u>		
40 acre - 8 years @ \$7,000 (2 wells)	112,000	
80 acre - 11 years @ \$7,000		77,000
Total Expense	592,000	317,000
Net Profit	57,700	247,000
Profit to Investment Ratio	0.12	1.03

Note: This analysis does not consider the eleven dry holes that have been drilled.



By: B. C. Sinclair
Date: 7-31-69

EX. 8
CASE 4172

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. 4172
Order No. R-3816-A

APPLICATION OF PENNZOIL UNITED, INC.,
FOR SPECIAL POOL RULES, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:30 a.m. on August 19, 1970, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 21st day of August, 1970, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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 by Order No. R-3816, dated August 14, 1969, temporary Special Rules and Regulations were promulgated for the Northeast Lovington-Pennsylvanian Pool, Lea County, New Mexico, establishing 80-acre spacing units for a period of one year.

(3) That pursuant to the provisions of Order No. R-3816, this case was reopened to allow the operators in the subject pool to appear and show cause why the Northeast Lovington-Pennsylvanian Pool should not be developed on 40-acre spacing units.

(4) That the evidence establishes that one well in the Northeast Lovington-Pennsylvanian Pool can efficiently and economically drain and develop 80 acres.

-2-

CASE No. 4172
Order No. R-3816-A

(5) That the Special Rules and Regulations promulgated by Order No. R-3816 have afforded and will afford to the owner of each property in the pool the opportunity to produce his just and equitable share of the oil in the pool.

(6) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, the Special Rules and Regulations promulgated by Order No. R-3816 should be continued in full force and effect until further order of the Commission.

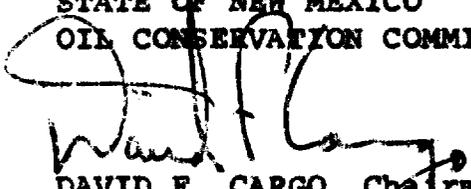
IT IS THEREFORE ORDERED:

(1) That the Special Rules and Regulations governing the Northeast Lovington-Pennsylvanian Pool, Lea County, New Mexico, promulgated by Order No. R-3816, are hereby continued in full force and effect until further order of the Commission.

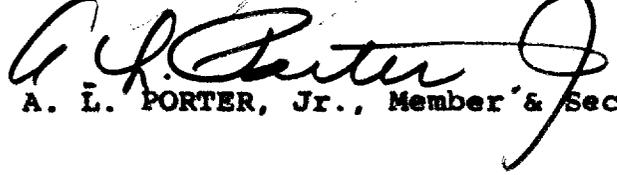
(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


ALEX J. ARMIJO, Member


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



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. 4172
Order No. R-3816
NOMENCLATURE

APPLICATION OF PENNZOIL UNITED, INC.,
FOR SPECIAL POOL RULES, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 6, 1969,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 14th day of August, 1969, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, 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 the applicant, Pennzoil United, Inc., seeks the
promulgation of special rules and regulations for the East
Lovington-Pennsylvanian Pool, Lea County, New Mexico, including
a provision for 80-acre oil proration units.

(3) That the reservoir information presently available
indicates that the horizontal limits of the East Lovington-
Pennsylvanian Pool, as presently designated, encompass more
than one separate common source of supply.

(4) That the horizontal limits of the East Lovington-
Pennsylvanian Pool should, in order to prevent waste and protect

CASE No. 4172
Order No. R-3816

correlative rights, be contracted by deleting the following-described lands in Lea County, New Mexico:

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM

Section 16: SW/4
Section 17: SE/4
Section 18: SE/4
Section 19: All
Section 20: NE/4 and S/2
Section 21: NW/4
Section 29: All
Section 31: N/2 N/2, SW/4 NW/4, SW/4,
and W/2 SE/4
Section 32: N/2 and N/2 S/2
Section 33: N/2 SW/4 and SE/4 SW/4

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM

Section 4: NE/4, E/2 NW/4, and SW/4 NW/4
Section 5: S/2 N/2

(5) That in order to prevent waste and protect correlative rights, a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production should be created and designated the Northeast Lovington-Pennsylvanian Pool, with vertical limits comprising the Pennsylvanian formation and horizontal limits comprising the following-described lands in Lea County, New Mexico:

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM

Section 24: SE/4

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM

Section 16: SW/4
Section 17: SE/4
Section 18: SE/4
Section 19: All
Section 20: NE/4 and S/2
Section 21: NW/4

(6) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary special rules and regulations

CASE No. 4172
Order No. R-3816

providing for 80-acre spacing units should be promulgated for the Northeast Lovington-Pennsylvanian Pool.

(7) That the temporary special rules and regulations should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.

(8) That the temporary special rules and regulations should be established for a one-year period in order to allow the operators in the subject pool to gather reservoir information to establish the area that can be efficiently and economically drained and developed by one well.

(9) That this case should be reopened at an examiner hearing in August, 1970, at which time the operators in the subject pool should be prepared to appear and show cause why the Northeast Lovington-Pennsylvanian Pool should not be developed on 40-acre spacing units.

IT IS THEREFORE ORDERED:

(1) That, effective September 1, 1969, the horizontal limits of the East Lovington-Pennsylvanian Pool, Lea County, New Mexico, are hereby contracted by the deletion therefrom of the following-described lands:

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM

Section 16: SW/4
Section 17: SE/4
Section 18: SE/4
Section 19: All
Section 20: NE/4 and S/2
Section 21: NW/4
Section 29: All
Section 31: N/2 N/2, SW/4 NW/4, SW/4,
and W/2 SE/4
Section 32: N/2 and N/2 S/2
Section 33: N/2 SW/4 and SE/4 SW/4

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM

Section 4: NE/4, E/2 NW/4, and SW/4 NW/4
Section 5: S/2 N/2

(2) That, effective September 1, 1969, a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian

-4-

CASE No. 4172

Order No. R-3816

production, is hereby created and designated the Northeast Lovington-Pennsylvanian Pool, with vertical limits comprising the Pennsylvanian formation and horizontal limits comprising the following-described lands:

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM
Section 24: SE/4

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM
Section 16: SW/4
Section 17: SE/4
Section 18: SE/4
Section 19: All
Section 20: NE/4 and S/2
Section 21: NW/4

(3) That effective September 1, 1969, temporary Special Rules and Regulations for the Northeast Lovington-Pennsylvanian Pool, Lea County, New Mexico, are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS
FOR THE
NORTHEAST LOVINGTON-PENNSYLVANIAN POOL

RULE 1. Each well completed or recompleted in the Northeast Lovington-Pennsylvanian Pool or in the Pennsylvanian formation within one mile thereof, and not nearer to or within the limits of another designated Pennsylvanian oil pool, shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.

RULE 2. Each well shall be located on a standard unit containing 80 acres, more or less, consisting of the N/2, S/2, E/2, or W/2 of a governmental quarter section; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in the unit.

RULE 3. The Secretary-Director of the Commission may grant an exception to the requirements of Rule 2 without notice and hearing with an application has been filed for a non-standard unit comprising a governmental quarter-quarter section or lot, or the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Land Surveys. All operators offsetting the proposed non-standard unit shall be

CASE No. 4172

Order No. R-3816

notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Secretary-Director has received the application.

RULE 4. Each well shall be located within 150 feet of the center of a governmental quarter-quarter section or lot.

RULE 5. The Secretary-Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all operators offsetting the proposed location or if no objection to the unorthodox location has been entered within 20 days after the Secretary-Director has received the application.

RULE 6. A standard proration unit (79 through 81 acres) shall be assigned an 80-acre proportional factor of 6.67 for allowable purposes, and in the event there is more than one well on an 80-acre proration unit, the operator may produce the allowable assigned to the unit from the wells on the unit in any proportion.

The allowable assigned to a non-standard proration unit shall bear the same ratio to a standard allowable as the acreage in such non-standard unit bears to 80 acres.

IT IS FURTHER ORDERED:

(1) That the locations of all wells presently drilling to or completed in the Northeast Lovington-Pennsylvanian Pool or in the Pennsylvanian formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify the Hobbs District Office of the Commission in writing of the name and location of the well on or before September 1, 1969.

-6-

CASE No. 4172
Order No. R-3816

(2) That, pursuant to Paragraph A. of Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, existing wells in the Northeast Lovington-Pennsylvanian Pool shall have dedicated thereto 80 acres in accordance with the foregoing pool rules; or, pursuant to Paragraph C. of said Section 65-3-14.5, existing wells may have non-standard spacing or proration units established by the Commission and dedicated thereto.

Failure to file new Forms C-102 with the Commission dedicating 80 acres to a well or to obtain a non-standard unit approved by the Commission within 60 days from the effective date of this order shall subject the well to cancellation of allowable. Until said Form C-102 has been filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the Northeast Lovington-Pennsylvanian Pool or in the Pennsylvanian formation within one mile thereof shall receive no more than one-half of a standard allowable for the pool.

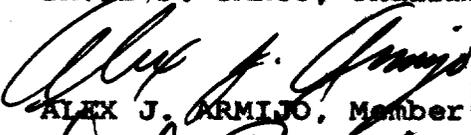
(3) That this case shall be reopened at an examiner hearing in August, 1970, at which time the operators in the subject pool may appear and show cause why the Northeast Lovington-Pennsylvanian Pool should not be developed on 40-acre spacing units.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

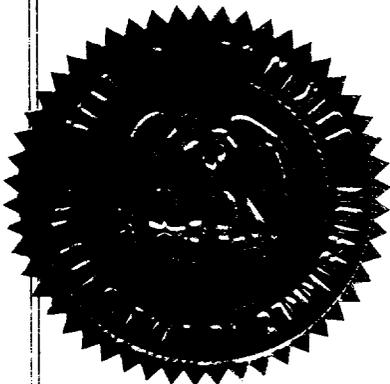
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman


ALEX J. ARMIÑO, Member


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



esr/