

BRIDGE OIL (U.S.A.) INC. OIL CONSERVATION DIVISION  
RECEIVED  
DEC 6 AM 8 57  
Manager for  
PETRUS OIL COMPANY, L.P.  
PIN OAK JOINT VENTURE

December 4, 1989

Division Director  
Oil Conservation Commission  
Box 2088  
Santa Fe, NM 87501

Dear Sir:

By copy of this letter, we are hereby requesting administrative approval for exception to well location requirements. Attached please find a copy of Petrus Oil Company, L.P.'s application for permit to drill the Langlie Mattix Queen Unit Well No. 41 located in Lea County, New Mexico. The unorthodox location is needed to commence an infill drilling program in the Langlie Mattix Queen Unit. This additional development will allow Petrus to complete a more efficient production and injection pattern and increase the ultimate primary and secondary recovery from the unit.

Attached for your information is a plat showing the proposed location and lease ownership in the general area. Since the proposed location falls in a center spacing unit within the Langlie Mattix Unit, we are not required to notify offset operators of this request.

If you should require any additional information, please contact me at (214) 788-3397.

Sincerely,

Sheryl J. Carruth  
Technical Assistant

SJC:s

Enclosure

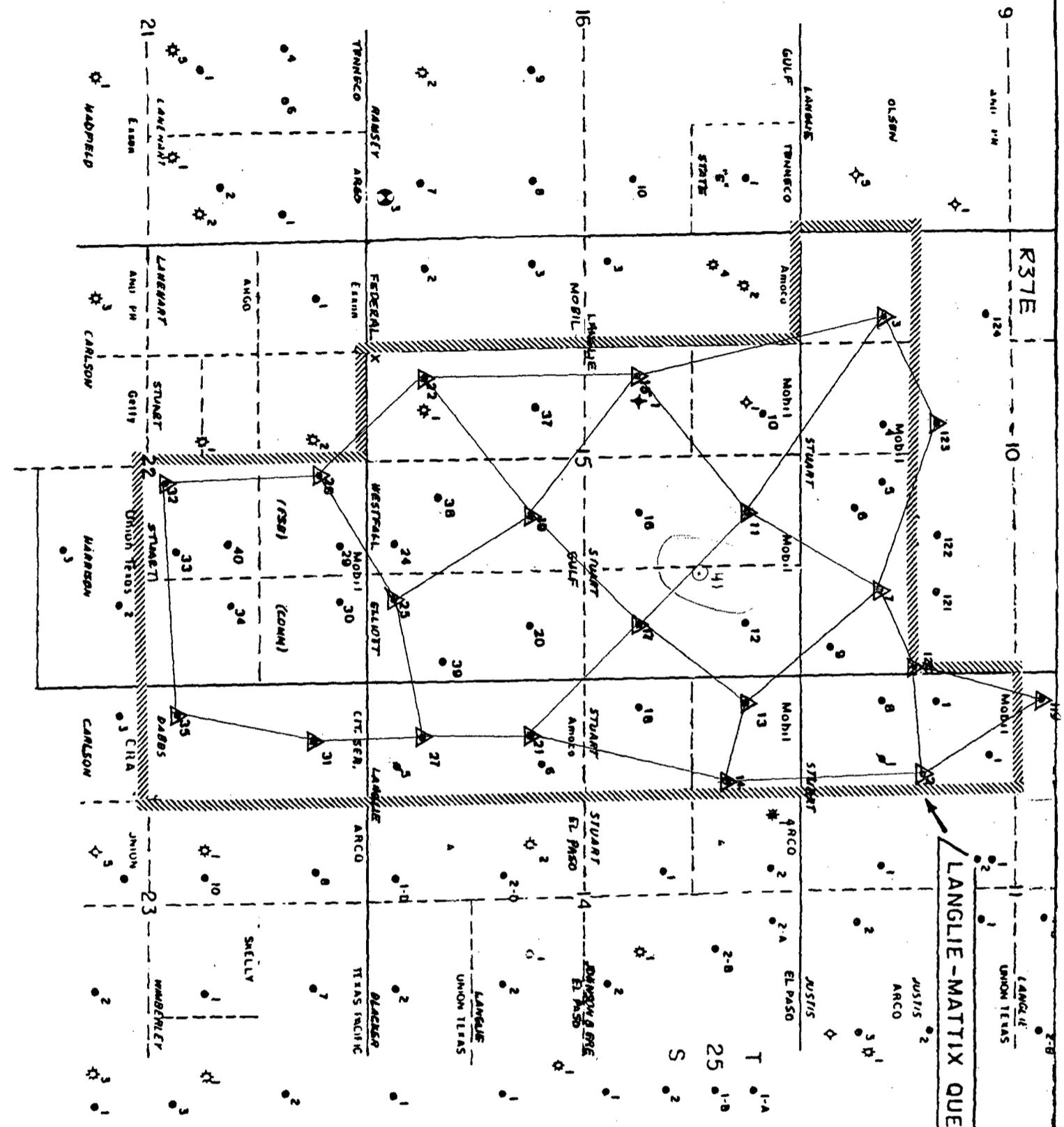
LANGLIE-MATTIX QUEEN UNIT



- LEGEND
- OIL WELL
  - ✱ GAS WELL
  - ⚡ ABANDONED WELL
  - DRY HOLE
  - ◊ INJECTION WELL
  - ▬ UNIT BOUNDARY

1" = 1581'

SCALE



LANGLIE-MATTIX  
QUEEN UNIT  
LEA COUNTY, NEW MEXICO

Submit to Appropriate District Office  
State Lease -- 6 copies  
Fee Lease -- 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. Type of Work:  
DRILL  RE-ENTER  DEEPEN  PLUG BACK   
b. Type of Well:  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

7. Lease Name or Unit Agreement Name  
Langlie Mattix Queen Unit

2. Name of Operator  
Petrus Oil Company, L.P.

8. Well No.  
41

3. Address of Operator  
12377 Merit Drive, Suite 1600, Dallas, TX 75251

9. Pool name or Wildcat  
Langlie Mattix 7 Rivers Queen

4. Well Location  
Unit Letter A : 1300 Feet From The North Line and 1300 Feet From The East Line  
Section 15 Township 25S Range 37E NMPM Lea County

10. Proposed Depth 3800'  
11. Formation Queen/Penrose  
12. Rotary or C.T. Rotary

13. Elevations (Show whether DF, RT, GR, etc.) 3103 GR  
14. Kind & Status Plug. Bond Blanket on File  
15. Drilling Contractor Cantex  
16. Approx. Date Work will start December 27, 1989

**PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24.0	400'	Circulate	Surface
7 7/8"	5 1/2"	15.5	3650'	Circulate	Surface

Blowout Preventor Program:

Casing String Surface Size & API Series 11" X 3000" No. & Type \_\_\_\_\_ Test Pressure (psi) 500 psi

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Sheryl J. Carruth TITLE Technical Assistant DATE 12-1-89

TYPE OR PRINT NAME Sheryl J. Carruth TELEPHONE NO. (214) 788-3

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

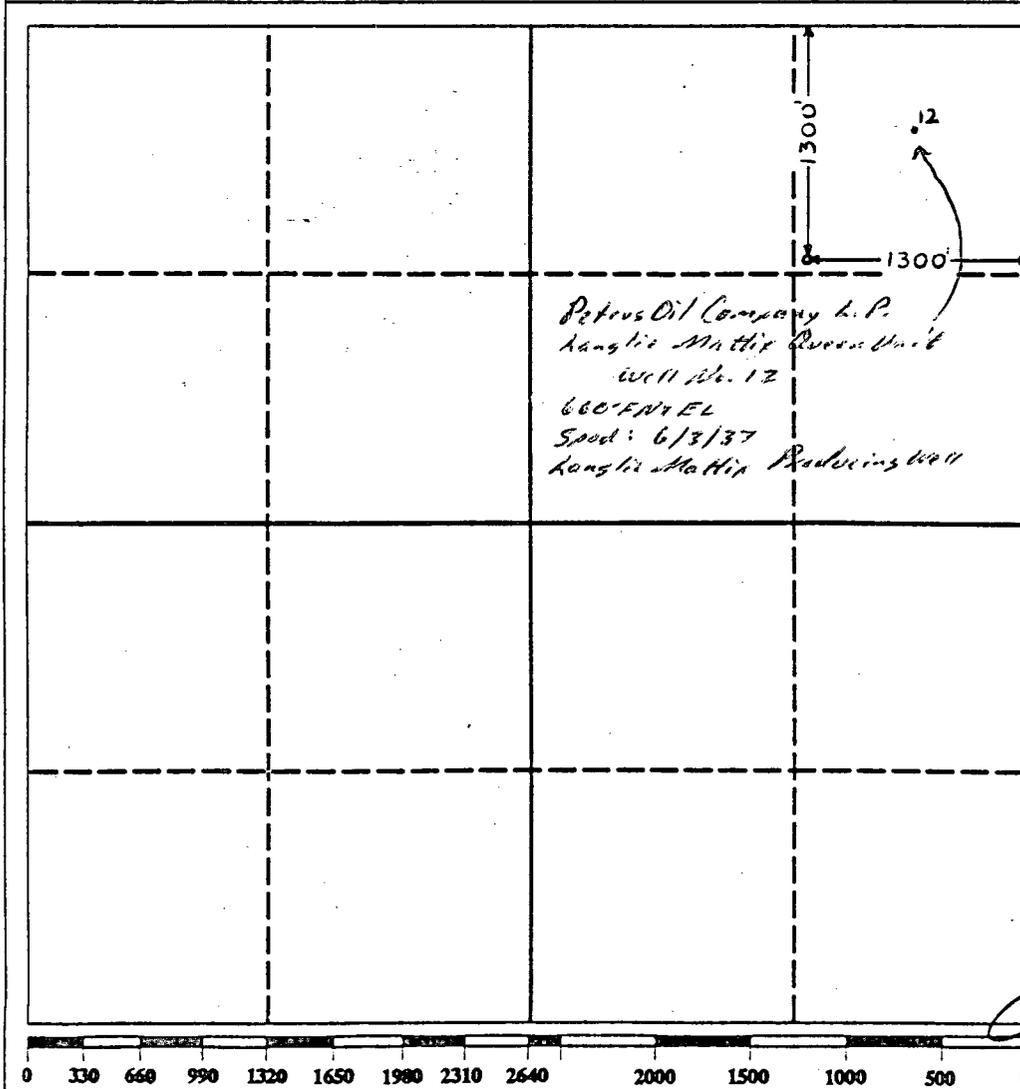
Operator Petrus Oil Company			Lease Langlie Mattix Queen Unit			Well No. 41		
Unit Letter A	Section 15	Township 25 South	Range 37 East	County NMPM		Lea		
Actual Footage Location of Well: 1300 feet from the North line and 1300 feet from the East line								
Ground level Elev. 3103.0		Producing Formation Queen/Penrose		Pool Langlie Mattix 7 Rivers Queen			Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 

Yes       No      If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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 interest, has been approved by the Division.



**OPERATOR CERTIFICATION**

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

*Sheryl J. Carruth*  
Signature  
Sheryl J. Carruth  
Printed Name  
Technical Assistant  
Position  
Petrus Oil Company, L.P.  
Company  
12-1-89  
Date

**SURVEYOR CERTIFICATION**

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.

Date Surveyed  
September 9, 1989

Signature & Seal of Professional Surveyor  
*John W. West*  
Certificate No. JOHN W. WEST, 476  
RONALD J. EIDSON, 239  
NEW MEXICO

125630

(LANGLIE-MATTIX (HUMPHREY QUEEN UNIT WATERFLOOD) POOL - Cont'd.)

LANGLIE-MATTIX POOL  
(Langlie-Mattix Queen Unit Waterflood)  
Lea County, New Mexico

however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection, and provided further, that said injection wells are drilled no closer than 330 feet to the outer boundary of the Humphrey Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary.

IT IS THEREFORE ORDERED:

(1) (As Amended by Order No. R-3824-A, March 2, 1970.) That the applicant, Mobil Oil Corporation, is hereby authorized to institute a waterflood project in the Humphrey Queen Unit Area, Langlie-Mattix Pool, by the injection of Water into the Queen sand formation through the following-described wells at orthodox and unorthodox locations in Township 25 South, Range 37 East, NMPM, Lea County, New Mexico:

Unit Well No.	Previous Well Name and Number	Unit	Section
2	Mobil-Liberty Well No. 1	D	3
4	Mobil-Humphrey "A" Well No. 1	B	3
6	Mobil-Fristoe Well No. 6	A	3
9	Mobil-Humphrey "A" Well No. 4	F	3
15	Mobil-Liberty Well No. 5	L	3
17	Mobil-Humphrey "A" Well No. 5	J	3
19	Mobil-Fristoe Well No. 7	I	3
23	Mobil-Humphrey "A" Well No. 9	O	3
20	To be drilled - 100' FSL & 5' FWL		3
7	Mobil-Smith Well No. 2	H	4
13	To be drilled - 1500' FSL & 1220' FEL		4

(2) That the subject waterflood project is hereby designated the Mobil Langlie Mattix Humphrey Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve such additional injection wells at orthodox and unorthodox locations within said waterflood project area as may be necessary to complete an efficient injection pattern; provided said wells are drilled no closer than 330 feet to the outer boundary of the Humphrey Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary, and provided further, that the application therefor has been filed in accordance with Rule 701 B of the Commission Rules and Regulations, and provided further, that a copy of the application has been sent to all offset operators, if any there be, and no such operator has objected within 15 days. The showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) That that portion of Order No. R-3426, dated June 5, 1968, which approved certain of the above wells as water injection wells is hereby superseded.

(5) 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.

Order No. R-3823, Authorizing Mobil Oil Corporation to Institute a Waterflood Project in the Langlie-Mattix Queen Unit Area, Langlie-Mattix Pool, Lea County, New Mexico, September 4, 1969.

Application of Mobil Oil Corporation for a Waterflood Project and Unorthodox Injection Well Locations, Lea County, New Mexico.

CASE NO. 4202  
Order No. R-3823

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on August 27, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of September, 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, Mobil Oil Corporation, seeks permission to institute a waterflood project in the Langlie Mattix Queen Unit Area, Langlie-Mattix Pool, by the injection of water into the Queen sand formation through 17 injection wells at orthodox and unorthodox locations in Sections 10, 11, 14, 15, 22, and 23, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant further seeks the establishment of an administrative procedure whereby the Secretary-Director of the Commission may authorize additional injection wells at orthodox and unorthodox locations within said waterflood project area as may be necessary to complete an efficient injection pattern without the necessity of showing well response.

(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(5) That the injection of water through a well proposed to be drilled 660 feet from the North line and 1220 feet from the West line of said Section 14 may cause waste and may violate the correlative rights of the offset operator to the east of the proposed location.

(6) That the applicant's request to drill an injection well 660 feet from the North line and 1220 feet from the West line of said Section 14 should be denied.

**(LANGLIE-MATTIX (LANGLIE-MATTIX QUEEN UNIT WATERFLOOD) POOL - Cont'd.)**

(7) That, subject to Finding No. 6, the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(8) That, subject to Finding No. 6, the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection, and provided further, that said injection wells are drilled no closer than 330 feet to the outer boundary of the Langlie Mattix Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary.

**IT IS THEREFORE ORDERED:**

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to institute a waterflood project in the Langlie Mattix Queen Unit Area, Langlie-Mattix Pool, by the injection of water into the Queen sand formation through the following-described wells at orthodox and unorthodox locations in Township 25 South, Range 37 East, NMPM, Lea County, New Mexico:

Unit Well No.	Previous Well Name and Number	Unit	Section
7	Mobil-Stuart Tr. 1 Well No. 2	P	10
3	To be drilled - 990' FSL & 890' FWL		10
2	To be drilled - 1440' FSL & 1220' FWL		11
13	Mobil-Stuart Tr. 5 Well No. 1	D	14
21	Pan American-Langlie "B" Well No. 4	L	14
27	Pan American-Langlie "B" Well No. 3	M	14
11	Mobil-Stuart Tr. 9 Well No. 1	B	15
17	Mobil-Stuart Tr. 9 Well No. 4	H	15
19	Gulf-Westfall Well No. 2	J	15
25	Gulf-Elliott Well No. 1	P	15
15	To be drilled - 1980' FNL & 1730' FWL		15
30	Mobil-Stuart Comm. Well No. 1	A	22
28	To be drilled - 500' FNL & 2540' FEL		22
32	To be drilled - 2530' FNL & 2600' FEL		22
31	Cities Service - Dabbs Well No. 1	D	23
35	Cities Service - Dabbs Well No. 2	E	23

(2) That the subject waterflood project is hereby designated the Mobil Langlie Mattix Unit Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve such additional injection wells at orthodox and unorthodox locations within said waterflood project area as may be necessary to complete an efficient injection pattern; provided said wells are drilled no closer than 330 feet to the outer boundary of the Langlie Mattix Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary, and provided further, that the application therefor has been filed in accordance with Rule

701 B of the Commission Rules and Regulations, and provided further, that a copy of the application has been sent to all offset operators, if any there be, and no such operator has objected within 15 days. The showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) That that portion of Order No. R-3426, dated June 5, 1968, which approved certain water injection wells in the Langlie Mattix Queen Unit Area is hereby superseded.

(5) 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.

**SCARBOROUGH YATES-SEVEN RIVERS POOL  
(Continental Pressure Maintenance)  
Lea County, New Mexico**

Order No. R-3487-A, Authorizing Continental Oil Company to Institute a Pressure Maintenance Project in the Scarborough Yates-Seven Rivers Pool, Lea County, New Mexico, September 8, 1969.

Application of Continental Oil Company for Amendment of Order No. R-3487, Lea County, New Mexico.

CASE NO. 4198  
Order No. R-3487-A

**ORDER OF THE COMMISSION**

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on August 27, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 8th day of September, 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.

HUMPHREY QUEEN UNIT  
Lea County, New Mexico

Order No. R-3828, Approving the Humphrey Queen Unit Agreement, Lea County, New Mexico, September 4, 1969.

Application of Mobil Oil Corporation for Approval of the Humphrey Queen Unit Agreement, Lea County, New Mexico.

CASE NO. 4203  
Order No. R-3828

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on August 27, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of September, 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, Mobil Oil Corporation, seeks approval of the Humphrey Queen Unit Agreement covering 761.25 acres, more or less, of Federal and Fee lands described as follows:

LEA COUNTY, NEW MEXICO  
TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 3: All  
Section 4: E/2 NE/4 and NE/4 SE/4

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

(1) That the Humphrey Queen Unit Agreement is hereby approved.

(2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement

reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.

(5) 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.

LANGLIE MATTIX QUEEN UNIT  
Lea County, New Mexico

Order No. R-3827, Approving the Langlie Mattix Queen Unit Agreement, Lea County, New Mexico, September 4, 1969.

Application of Mobil Oil Corporation for Approval of the Langlie Mattix Queen Unit Agreement, Lea County, New Mexico.

CASE NO. 4201  
Order No. R-3827

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on August 27, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of September, 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, Mobil Oil Corporation, seeks approval of the Langlie Mattix Queen Unit Agreement covering 1040 acres, more or less, of Federal and Fee lands described as follows:

LEA COUNTY, NEW MEXICO  
TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 10: S/2 S/2  
Section 11: W/2 SW/4  
Section 14: W/2 W/2

## (LANGLIE MATTIX QUEEN UNIT - Cont'd.)

Section 15: E/2 and E/2 NW/4  
 Section 22: NE/4  
 Section 23: W/2 NW/4

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

## IT IS THEREFORE ORDERED:

(1) That the Langlie Mattix Queen Unit Agreement is hereby approved.

(2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.

(5) 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.

NORTH SHUGART QUEEN UNIT  
Eddy County, New Mexico

Order No. R-3870, Approving the North Shugart Queen Unit Agreement, Eddy County, New Mexico, November 10, 1969.

Application of J. J. Travis for Approval of the North Shugart Queen Unit Agreement, Eddy County, New Mexico.

CASE NO. 4247  
 Order No. R-3870

## ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on November 5, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 10th day of November, 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, J. J. Travis, seeks approval of the North Shugart Queen Unit Agreement covering 520 acres, more or less, of Federal lands described as follows:

EDDY COUNTY, NEW MEXICO  
 TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM  
 Section 20: E/2 E/2  
 Section 21: W/2  
 Section 28: NW/4 NW/4

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

## IT IS THEREFORE ORDERED:

(1) That the North Shugart Queen Unit Agreement is hereby approved.

(2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved.