

Case Number  
4546

Application

Transcripts

Small Exhibits

ETC.

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

209 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO

BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
June 2, 1971

EXAMINER HEARING

IN THE MATTER OF

Application of Mobil Oil  
Corporation for an unorthodox  
oil well location, Lea County,  
New Mexico.

Case No. 4546

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

1 MR. UTZ: Case 4546.

2 MR. HATCH: Case 4546. Application of Mobil Oil  
3 Corporation for unorthodox oil well location, Lea  
4 County, New Mexico.

5 MR. SPERLING: J. E. Sperling, Modrall, Sperling,  
6 Roehl, Harris and Sisk, Albuquerque, appearing for the  
7 applicant, Mobil Oil Corporation.

8 (Witness sworn)

9 (Whereupon, Applicant's Exhibit Number One was  
10 marked for identification)

11 MR. UTZ: Are there other appearances? You may proceed.

12 JOHN H. SEEREY

13 having been first duly sworn, testified as follows:

14 DIRECT EXAMINATION

15 BY MR. SPERLING:

16 Q Would you please state your name, employer, position and  
17 place of residence?

18 A John H. Seerey, employed as Associate Engineer in the  
19 proration group from Midland Division of Mobil Oil  
20 Corporation.

21 MR. UTZ: How do you spell your name?

22 THE WITNESS: S-e-e-r-e-y.

23 MR. UTZ: I was afraid one of those e's might be an a.

24 Q (Mr. Sperling) Have you on any previous occasion, testified  
25 before the Commission so that your qualifications are a

1 matter of record?

2 A Yes, I have.

3 Q All right. Would you please state what is sought by the  
4 application in this case?

5 A Mobil Oil Corporation, requests approval of the Commission  
6 for the drilling of the Langlie-Mattix Queen Unit Number  
7 39 well at an unorthodox location. This well is a proposed  
8 infill producing well, located within the existing Langlie-  
9 Mattix Queen Unit.

10 Q Would you please refer now to what has been marked as  
11 Exhibit One and explain the purpose of that exhibit?

12 A Exhibit One, is a plat of the unit area, showing the location  
13 of the proposed unorthodox location well Number 39. This  
14 proposed well is shown 215 feet from the East line and 900  
15 feet from the South line in Unit "P" of Section 15, Township  
16 25 South, Range 37 East, Lea County, New Mexico. The  
17 proposed well is in an unorthodox location, because it is  
18 215 feet from the East line of Section 15. However, the  
19 well is located 1,535 feet from the nearest unit boundary  
20 to the East. Exhibit One, also shows the other producing  
21 wells and injection wells in the unit area.

22 Q Would you refer now to Exhibit Two, please, and explain its  
23 purpose.

24 A Exhibit Two is a plat showing the other leases and wells  
25 in the Langlie-Mattix Queen Unit Area.

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- 1 Q Why is it necessary to have the proposed well, the well
- 2 which is a subject of this application, located at that
- 3 particular point discribed in the application and as you
- 4 have just testified concerning its location?
- 5 A Well, Mobil has operated a Langlie-Mattix Queen Unit water
- 6 flood which was authorized by Commission Order Number R-
- 7 3823, dated September 4, 1969, injection began in this
- 8 water flood in December of '69. The original application
- 9 and testimony mentioned the ultimate need for three more
- 10 infill producing wells at the time the flood response was
- 11 indicated. These proposed wells, are shown on the previously
- 12 mentioned Exhibit One, two of which were regular locations
- 13 and the subject unorthodox location of this application.
- 14 The subject unorthodox location Number 39 was originally
- 15 planned to be symmetrically located between wells 20, 21,
- 16 27, and 25. This would have located it on the East line of
- 17 Section 15, and a paved county highway and a power line
- 18 physically prevented drilling in that location and
- 19 necessitated moving the location to a point 215 feet from
- 20 the East line of Section 15.
- 21 Q Now, the other proposed production wells at regular
- 22 locations are shown on Exhibit One within the yellow triangle?
- 23 A Yes, sir, that's correct.
- 24 Q Those have not been drilled as of this date?
- 25 A They are in the process of being drilled at this time.

1 Q I see. Now, would you refer to Exhibit Three and explain  
2 its purpose?

3 A Exhibit Three, shows the area calculated to be swept by  
4 the existing water flood in the five-spot vicinity of the  
5 proposed unorthodox well. This calculation further shows  
6 that the estimated area to be swept, if the subject well  
7 Number 39 is added to the pattern. This comparison shows  
8 that the Langlie-Mattix, Queen Unit well Number 39 is  
9 necessary to prevent the loss of approximately 200,000 barrels  
10 of water flood oil. As shown, the producing well Number  
11 20, currently the only producer within the five-spot  
12 pattern, is capable of draining no more than 44 acres.  
13 This is the yellow shaded area on Exhibit Three. It is  
14 estimated that the addition of the Langlie-Mattix number 39  
15 production well to this pattern at the proposed location  
16 will add 34 acres of productive acreage to this pattern.  
17 This additional acreage is shown in green on Exhibit Three.

18 Q Now, would you refer to Exhibit Four, please?

19 A Exhibit Four is a tabulation of the oil production from  
20 the Langlie-Mattix Queen Unit from the time of the formation  
21 of the unit until March, 1971.

22 Q I note that the daily production figure indicated for March  
23 of 1971 from fifteen producing wells is only 109 barrels  
24 of oil per day, is that correct?

25 A Yes, sir. I believe it is.

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1 Q What does Exhibit Five show?

2 A Exhibit Five is a graph of the production history of the

3 Langlie-Mattix Queen Unit.

4 Q And Exhibit Six?

5 A Exhibit Six is the copy of the C-101 form that was filed

6 for the unorthodox location.

7 Q And Exhibit Seven?

8 A Exhibit Seven is a copy of the C-101 that was recently

9 filed for the subject unorthodox location.

10 Q Mr. Seerey, in your opinion, would the granting of the

11 application of Mobil Oil Corporation in this matter,

12 result in prevention of waste?

13 A Yes, sir.

14 Q Would the location of the well as proposed have any adverse

15 effect upon correlative rights in this area?

16 A No, sir.

17 Q Do you have any other comment?

18 A No, that is all I have.

19 MR. SPERLING: I would like to offer at this time,

20 Exhibits One through Seven.

21 MR. UTZ: Without objection, Exhibits One through

22 Seven will be entered into the record of this case.

23 (Whereas, Exhibits One through Seven were entered

24 into the record of this case)

25 MR. SPERLING: That is all we have, Mr. Examiner, at

1 this time.

2 MR. UTZ: Are there questions of the witness? Actually,  
3 Mr. Seerey, this well is, according to my calculation,  
4 1,535 feet from the unit boundary, is that correct?

5 THE WITNESS: Yes, sir.

6 MR. UTZ: So that you are not crowding any diverse  
7 ownership by drilling this well in that unorthodox location.

8 THE WITNESS: No, sir.

9 MR. UTZ: The purpose of the well, then, is to give  
10 you a better location for a five-spot?

11 THE WITNESS: Yes, sir, that is true.

12 MR. UTZ: Are there other questions of the witness?  
13 You may be excused.

14 (Witness excused)

15 MR. UTZ: Statements? The case will be taken under  
16 advisement. The hearing is adjourned.

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dearnley-meier reporting service

|    |                                    |               |                             |
|----|------------------------------------|---------------|-----------------------------|
| 1  | <u>I N D E X</u>                   |               |                             |
| 2  | <u>WITNESS</u>                     |               | <u>PAGE</u>                 |
| 3  | JOHN H. SEEREY                     |               |                             |
| 4  | Direct Examination by Mr. Sperling |               | 2                           |
| 5  |                                    |               |                             |
| 6  |                                    |               |                             |
| 7  |                                    |               |                             |
| 8  | <u>EXHIBITS</u>                    | <u>MARKED</u> | <u>OFFERED AND ADMITTED</u> |
| 9  | Applicant's Exhibits               |               |                             |
| 10 | One through Seven                  |               | 6                           |
| 11 |                                    |               |                             |
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| 24 |                                    |               |                             |
| 25 |                                    |               |                             |

1 STATE OF NEW MEXICO )  
2 )  
3 COUNTY OF BERNALILLO)

4 I, GLENDA BURKS, Court Reporter, do hereby certify that  
5 the foregoing and attached Transcript of Hearing before the  
6 New Mexico Oil Conservation Commission was reported by me; and  
7 that the same is a true and correct record of the said  
8 proceedings, to the best of my knowledge, skill and ability.  
9

10 Glenda Burks  
11 Court Reporter  
12  
13  
14  
15  
16  
17  
18  
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20  
21

22 I do hereby certify that the foregoing is  
23 a complete record of the proceedings in  
24 the Bernalillo hearing of Case No. 4556,  
25 signed by me on September 19, 1961  
Glenda Burks, Reporter  
New Mexico Oil Conservation Commission



**OIL CONSERVATION COMMISSION**

**STATE OF NEW MEXICO**  
**P. O. BOX 2088 - SANTA FE**  
**87501**

GOVERNOR  
BRUCE KING  
CHAIRMAN  
LAND COMMISSIONER  
ALEX J. ARMIJO  
MEMBER  
STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

June 10, 1971

Mr. James E. Sperling  
Modrall, Seymour, Sperling,  
Roehl & Harris  
Attorneys at Law  
Public Service Building  
Post Office Box 2168  
Albuquerque, New Mexico 87103

Re: Case No. 4546  
Order No. R-4153  
Applicant:  
Mobil Oil Corporation

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec OCC \_\_\_\_\_

Other \_\_\_\_\_

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. 4546  
Order No. R-4153

APPLICATION OF MOBIL OIL  
CORPORATION FOR AN UNORTHODOX  
OIL WELL LOCATION, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 2, 1971,  
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 10th day of June, 1971, 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, is the  
operator of the Mobil Langlie-Mattix Queen Unit Waterflood  
Project in the Langlie-Mattix Pool, Lea County, New Mexico.

(3) That the applicant seeks authority to drill an oil  
producing well as an infill well in the Mobil Langlie-Mattix  
Queen Unit Waterflood project in the Langlie-Mattix Pool at an  
unorthodox location 900 feet from the South line and 215 feet  
from the East line of Section 15, Township 25 South, Range 37  
East, NMPM, Lea County, New Mexico.

(4) That approval of the proposed location should increase  
the efficiency of the Mobil Langlie-Mattix Queen Unit Waterflood  
Project and result in greater ultimate recovery of oil, thereby  
preventing waste.

-2-

CASE NO. 4546  
Order No. R-4153

(5) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the oil in the pool, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to drill a producing oil well as an infill well in the Mobil Langlie-Mattix Queen Unit Waterflood Project Area at an unorthodox location in the Langlie-Mattix Pool 900 feet from the South line and 215 feet from the East line of Section 15, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(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.

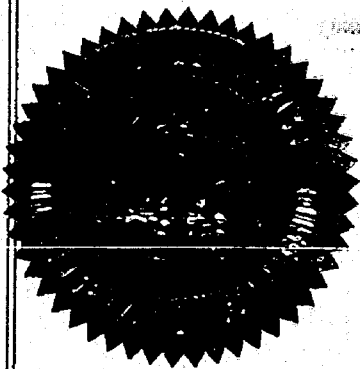
STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Bruce King*

BRUCE KING, Chairman

*Alex J. Armiijo*  
ALEX J. ARMIJO, Member

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



dr/

Case 4546

Heard 6-2-71

Rec. 6-3-71

Grant Muhl a NSL for their  
Langlie-Haller-Duquesne #39  
990/S - 215/E - 15 - 25S-37E. This well  
will be ~~an~~ injection for the flood.  
The well is necessary to prevent  
waste & recover more oil.  
— *Thud*

Examiner Hearing

June 2, 1971

-2-

Docket No. 11-71

CASE 4544: Application of Rijan Oil Company, Inc., for salt water disposal, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Dakota formation in the open-hole interval from 886 feet to 909 feet in its Rijan Well No. 15 located in Unit F of Section 31, Township 30 North, Range 16 West, Slick Rock-Dakota Pool, San Juan County, New Mexico.

CASE 4545: Application of Shiprock Corporation for a waterflood project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Shiprock-Gallup Pool by the injection of water into the Gallup formation through 5 wells located in Section 17, Township 29 North, Range 18 West, San Juan County, New Mexico.

CASE 4546: Application of Mobil Oil Corporation for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its Langlie Mattix Queen Unit Well No. 39 as a producing oil well at an unorthodox location 900 feet from the South line and 215 feet from the East line of Section 15, Township 25 South, Range 37 East, Langlie Mattix Pool, Lea County, New Mexico, as an infill well in its Langlie Mattix Queen Unit Area.

DOCKET NO. 11-71

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 2, 1971

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

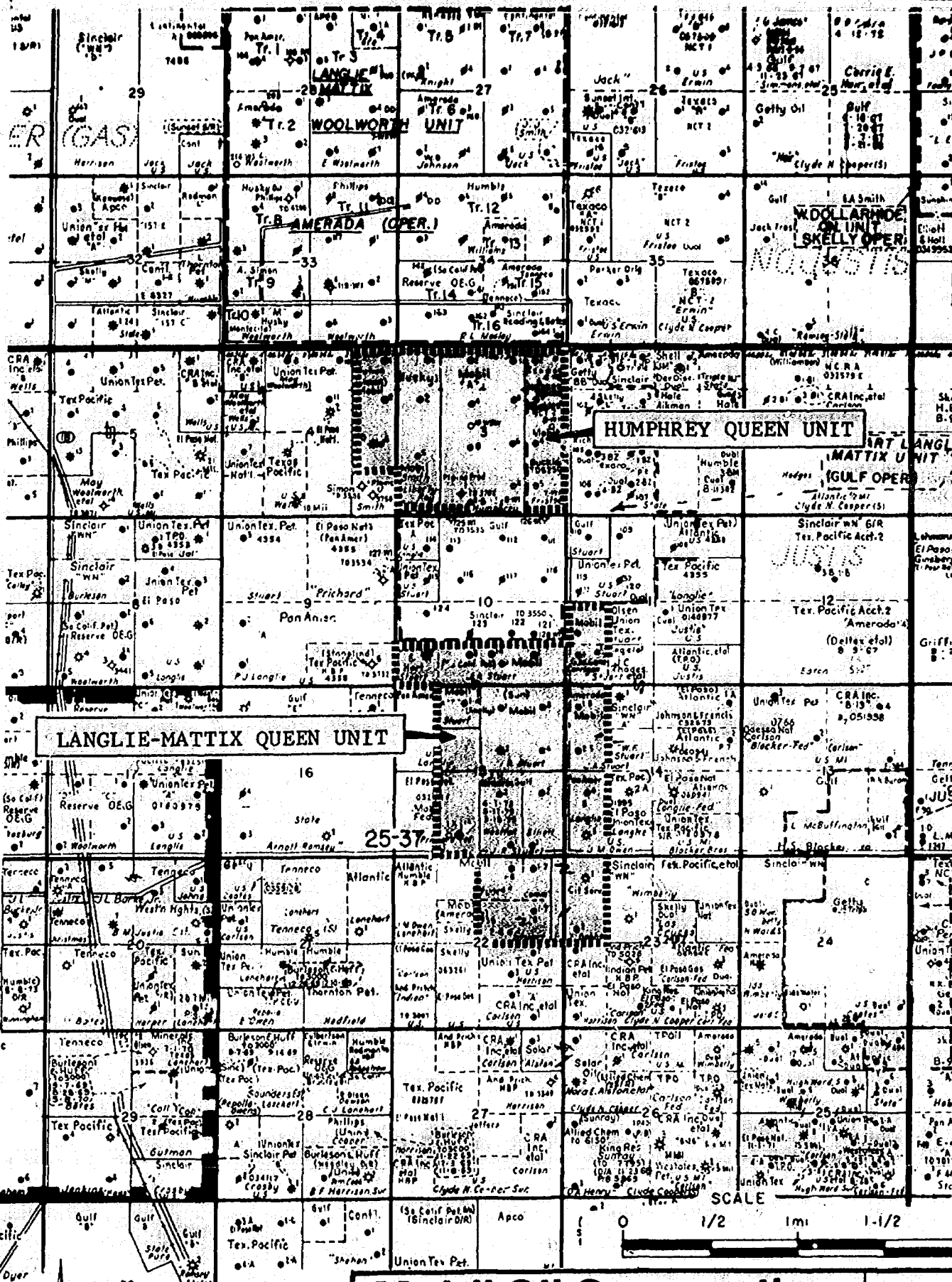
CASE 4528: (Continued from the April 28, 1971, Examiner Hearing)  
Application of Franklin, Aston & Fair, Inc., for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, to dispose of water produced by its Coppedge Well No. 1-C located in Unit H of Section 5, Township 18 South, Range 30 East, Loco Hills-Grayburg-San Andres Pool, Eddy County, New Mexico, in an unlined pit in the vicinity of said well.

CASE 4538: (Continued from the May 19, 1971, Examiner Hearing)  
Application of Jack F. Grimm Oil Company for an unorthodox oil well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 104-C I of the Commission Rules and Regulations to drill a well at an unorthodox location 880 feet from the South line and 1500 feet from the West line of Section 20, Township 11 South, Range 29 East, White Ranch Siluro-Devonian Pool, Chaves County, New Mexico.

CASE 4541: (Continued from the May 19, 1971, Examiner Hearing)  
Application of Tenneco Oil Company for gas injection, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks authority to inject casinghead gas produced by certain wells located in the Lone Pine-Dakota "D" Pool, McKinley County, New Mexico, into the Dakota A zone through perforations from 2547 feet to 2562 feet in its Santa Fe Pacific Railroad Well No. 2 located in the NW/4 SW/4 of Section 13, Township 17 North, Range 9 West, South Hospah Field. The gas is to be injected for storage purposes awaiting the institution of a pressure maintenance project in the Lone Pine-Dakota "D" Pool.

CASE 4543: Application of Tank Service Company for authority to operate an oil treating plant, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to install and operate a heat-treatment type oil treating plant in the SE/4 SW/4 NW/4 SE/4 of Section 21, Township 17 South, Range 30 East, Eddy County, New Mexico, for the reclamation of sediment oil.





# **Mobil Oil Corporation**

EXPLORATION AND PRODUCING DEPARTMENT  
MIDLAND DIVISION

AREA MAP  
PROPOSED LANGLIE-MATTIX  
QUEEN UNIT &  
HUMPHREY QUEEN UNIT  
Lea County, New Mexico

SCALE

DATE 8-21-69  
DRAWN BY NRM  
CHECKED  
APPROVED  
REVISED

BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION

EXHIBIT NO. 2  
CASE NO. 4546

BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION  
App. EXHIBIT NO. 4  
CASE NO. 4546

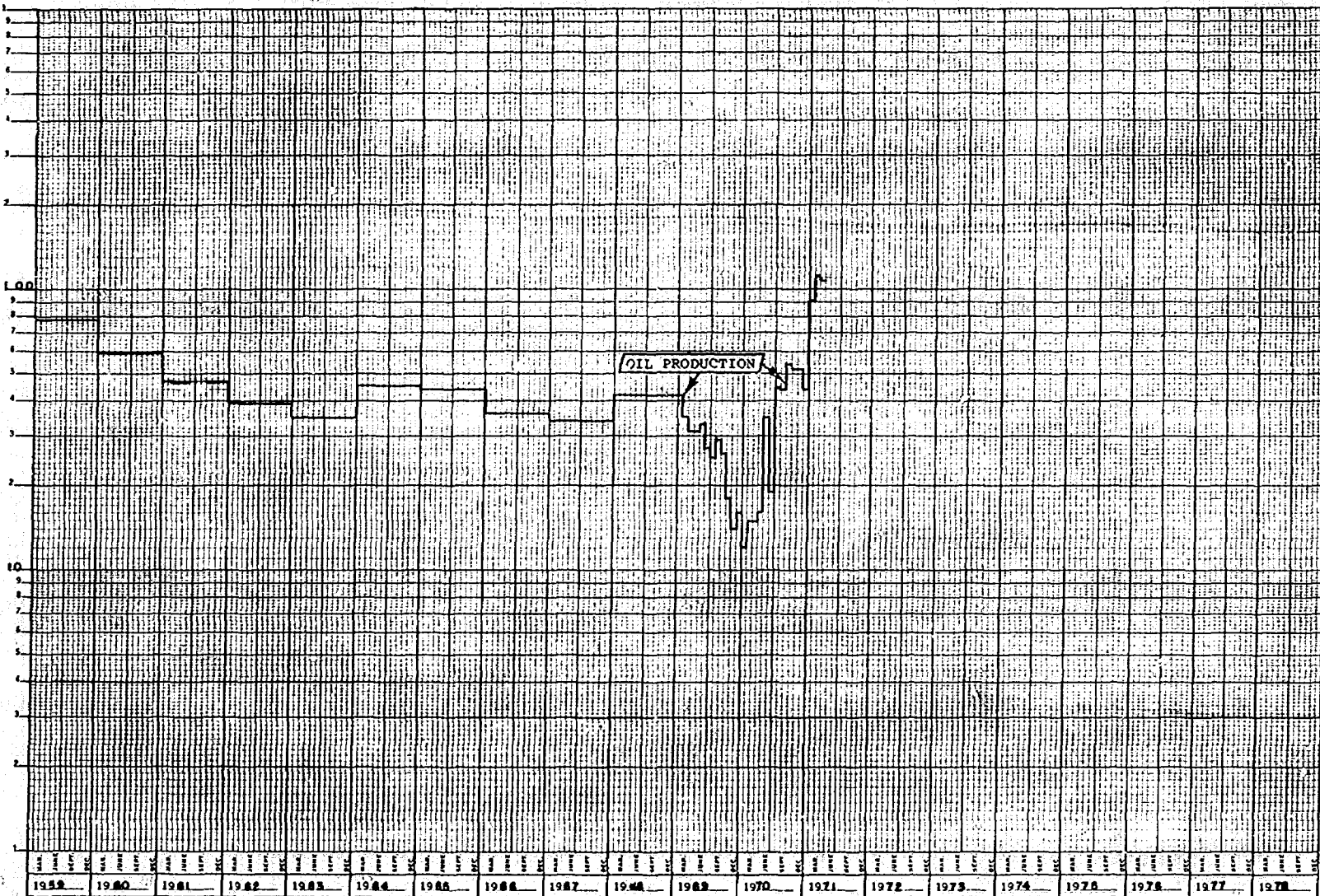
MOBIL OIL CORPORATION

FABULATION OF OIL PRODUCTION  
PROPOSED LANGLIE-MATTIX QUEEN UNIT  
LEA COUNTY, NEW MEXICO

| YEAR  | OIL PRODUCTION,<br>BBLs. | CUMULATIVE OIL,<br>BBLs. | NUMBER OF<br>PRODUCING WELLS | BOPD |
|-------|--------------------------|--------------------------|------------------------------|------|
| 1959  | 28077                    |                          |                              |      |
| 1960  | 21537                    | 3,099,214                |                              |      |
| 1961  | 17259                    | 3,120,751                | 18                           | 77   |
| 1962  | 14297                    | 3,138,010                | 19                           | 59   |
| 1963  | 12918                    | 3,152,307                | 17                           | 47   |
| 1964  | 16308                    | 3,165,225                | 17                           | 39   |
| 1965  | 16047                    | 3,181,533                | 18                           | 35   |
| 1966  | 13146                    | 3,197,580                | 18                           | 45   |
| 1967  | 12378                    | 3,210,726                | 16                           | 44   |
| 1968  | 15383                    | 3,223,104                | 16                           | 36   |
| 1969  |                          | 3,238,487                | 17                           | 34   |
| Jan.  | 1307                     |                          | 19                           | 42   |
| Feb.  | 989                      | 3,329,794                |                              |      |
| Mar.  | 973                      | 3,240,783                | 20                           | 42   |
| Apr.  | 921                      | 3,241,756                | 20                           | 35   |
| May   | 1020                     | 3,242,677                | 20                           | 31   |
| June  | 795                      | 3,243,697                | 20                           | 31   |
| July  | 789                      | 3,244,492                | 20                           | 33   |
| Aug.  | 897                      | 3,245,281                | 20                           | 27   |
| Sept. | 783                      | 3,246,178                | 20                           | 25   |
| Oct.  | 547                      | 3,246,961                | 20                           | 29   |
| Nov.  | 423                      | 3,247,508                | 20                           | 26   |
| Dec.  | 507                      | 3,247,931                | 14                           | 18   |
| 1970  |                          | 3,248,438                | 10                           | 14   |
| Jan.  | 369                      |                          | 13                           | 16   |
| Feb.  | 411                      | 3,248,807                |                              |      |
| Mar.  | 472                      | 3,249,218                | 11                           | 12   |
| Apr.  | 491                      | 3,249,690                | 12                           | 15   |
| May   | 1088                     | 3,250,181                | 9                            | 15   |
| June  | 570                      | 3,251,269                | 9                            | 16   |
| July  | 1389                     | 3,251,839                | 11                           | 35   |
| Aug.  | 1376                     | 3,253,228                | 13                           | 19   |
| Sept. | 1622                     | 3,254,604                | 14                           | 45   |
| Oct.  | 1616                     | 3,256,226                | 14                           | 44   |
| Nov.  | 1572                     | 3,257,842                | 14                           | 54   |
| Dec.  | 1356                     | 3,259,414                | 13                           | 52   |
| 1971  |                          | 3,260,770                | 13                           | 52   |
| Jan.  | 2859                     |                          | 13                           | 44   |
| Feb.  | 3103                     | 3,263,620                |                              |      |
| Mar.  | 3367                     | 3,266,731                | 13                           | 92   |
|       |                          | 3,270,091                | 15                           | 111  |
|       |                          |                          | 15                           | 109  |

AJHankinson/lh  
5-13-71

OIL PRODUCTION BBLs/DAY



BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 5  
CASE NO. 4541

TIME-YEARS

**Mobil Oil Corporation**  
EXPLORATION AND PRODUCING DEPARTMENT  
MOLAND DIVISION  
GRAPH OF DAILY OIL PRODUCTION  
BEGINNING 1959  
PROPOSED LANGLE-MATTIX QUEEN UNIT  
LANGLE-MATTIX FIELD  
LEA COUNTY, NEW MEXICO

SCALE  
DATE 10/1/78  
DRAWN BY CHS  
CHECKED CHS  
REVISED

|                        |  |
|------------------------|--|
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| LAND OFFICE            |  |
| OPERATOR               |  |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |  |  |  |
|--|--|--|--|
| 1a. Type of Work   |  | 5A. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |  |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. State Oil & Gas Lease No.   |  |
| 2. Name of Operator<br>Mobil Oil Corporation   |  | 7. Unit Agreement Name<br>Langlie-Mattix Queen Unit  |  |
| 3. Address of Operator<br>P. O. Box 633, Midland, Texas 79701  |  | 8. Farm or Lease Name  |  |
| 4. Location of Well<br>UNIT LETTER <u>P</u> LOCATED <u>215</u> FEET FROM THE <u>East</u> LINE<br>AND <u>900</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>15</u> TWP. <u>25-S</u> RGE. <u>37-E</u> NMPM |  | 9. Well No.<br>39  |  |
|  |  | 10. Field and Pool, or Wildcat<br>Langlie-Mattix   |  |
|  |  | 12. County<br>Lea  |  |
|  |  | 19. Proposed Depth<br>3550   |  |
|  |  | 19A. Formation<br>Queen  |  |
|  |  | 20. Rotary or C.T.<br>Rotary   |  |
| 21. Elevations (Show whether DF, RT, etc.)<br>3094 - ground  |  | 21A. Kind & Status Plug. Bond<br>On File   |  |
|  |  | 21B. Drilling Contractor<br>Unknown  |  |
|  |  | 22. Approx. Date Work will start<br>June 16, 1971  |  |

| 23. 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"         | 20 #            | 1200          | Circulate       | Surface  |
| 7 7/8"                                 | 5 1/2"         | 14 #            | 3500          | Circulate       | 1100'    |

Mud Program

0 - 1200' Spud mud  
1200' - T.D. brine water, flosal & oil as necessary

Logging Program

density log 3500' - T.D.

BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION  
App. EXHIBIT NO. 6  
CASE NO. 4546

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.

Signed A. D. Bond A. D. Bond Title Proration Staff Assistant Date May 7, 1971

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

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

|  |                                     |                         |   |                      |                                       |
|--|-------------------------------------|-------------------------|---|----------------------|---------------------------------------|
| Operator<br><b>Mobil Oil Corporation</b>   |                                     |                         | Lease<br><b>Langlie-Mattix Queen Unit</b> |                      | Well No.<br><b>39</b>                 |
| Unit Letter<br><b>P</b>  | Section<br><b>15</b>                | Township<br><b>25-S</b> | Range<br><b>37-E</b>                      | County<br><b>Lea</b> |                                       |
| Actual Footage Location of Well:<br><b>215</b> feet from the <b>East</b> line and <b>900</b> feet from the <b>South</b> line |                                     |                         |   |                      |                                       |
| Ground Level Elev:<br><b>3094</b>  | Producing Formation<br><b>Queen</b> |                         | Pool<br><b>Langlie-Mattix</b>             |                      | Dedicated Acreage:<br><b>40</b> 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?

☐ 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 interests, has been approved by the Commission.

|   |  |   |   |
|---|--|---|---|
| <p><b>BEFORE EXAMINER UTZ</b><br/>OIL CONSERVATION COMMISSION<br/>App. EXHIBIT NO. <u>2</u><br/>CASE NO. <u>4546</u></p>  |  | <p>Set 60d nail<br/>for NW/C<br/>Sec. 14</p>  | <p align="center"><b>CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>A. D. Bond</i></p> <p>Name<br/><b>A. D. Bond</b></p> <p>Position<br/><b>Proration Staff Assistant</b></p> <p>Company<br/><b>Mobil Oil Corporation</b></p> <p>Date<br/><b>May 7, 1971</b></p>  |
| <p><b>T25S R37E</b></p> <p><b>15</b></p> <p>I.P. w/Brass Cap Mkd<br/><b>S S</b><br/><b>16 15</b></p> <p>Cor. Fell In Hwy.</p> <p>East - 5292.6</p> <p>No Evidence</p> |  | <p><b>39</b></p> <p><b>215</b></p> <p><b>900'</b></p> <p><b>0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1000 800 0</b></p> | <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.</p> <p><i>Wilson D. Watson, Jr.</i></p> <p>Date Surveyed<br/><b>April 30, 1971</b></p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p><b>Wilson D. Watson, Jr.</b></p> <p>Certificate No.<br/><b>3959</b></p> |



J. R. MODRALL  
JAMES E. SPERLING  
JOSEPH E. ROEHL  
GEORGE T. HARRIS, JR.  
DANIEL A. SISK  
LELAND S. SEOBERRY, JR.  
ALLEN C. DEVEY, JR.  
FRANK H. ALLEN, JR.  
JAMES P. SAUNDERS, JR.  
JAMES A. PARKER  
JOHN R. COONEY  
KENNETH L. HARRIGAN  
PETER J. ADAMS  
DALE W. EK  
PETER J. BROULLIRE, III  
CAMERON R. GRAHAM  
DENNIS J. FALK  
FARRELL L. LINES

LAW OFFICES OF  
MODRALL, SPERLING, ROEHL, HARRIS & SISK  
PUBLIC SERVICE BUILDING  
P. O. BOX 2168  
ALBUQUERQUE, NEW MEXICO 87103

JOHN F. SIMMS (1885-1954)  
AUGUSTUS T. SEYMOUR  
(1907-1965)

TELEPHONE 243-4511  
AREA CODE 505

May 12, 1971

Case 4546  
JA

Mr. A. L. Porter, Jr.  
Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Mobil Oil Corporation's Application for  
Approval of an Unorthodox Well Location  
within Langlie-Mattix Queen Unit, in  
Sec. 15, T 25 S, R 37 E, Lea County,  
New Mexico

Dear Mr. Porter:

Enclosed herewith, please find original and two copies  
of Mobil Oil Corporation's application for hearing con-  
cerning the above-captioned matter.

It would be appreciated if this matter can be scheduled  
for hearing before an Examiner at the hearing to be held  
on June 2, 1971.

Very truly yours,

*James E. Sperling*  
James E. Sperling

JES:jv

Enclosures

cc: Mr. Ira B. Stitt, w/encl.  
Mobil Oil Corporation

DOCKET MAILED  
5-20-71  
Date

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION  
OF MOBIL OIL CORPORATION FOR  
APPROVAL OF AN UNORTHODOX WELL  
LOCATION WITHIN LANGLIE-MATTIX  
QUEEN UNIT, IN SECTION 15,  
TOWNSHIP 25 SOUTH, RANGE 37  
EAST, LEA COUNTY, NEW MEXICO.

Case No. 4546

A P P L I C A T I O N

1. Applicant, Mobil Oil Corporation, hereby makes application for approval of the drilling of a well for the production of oil at a location in Unit P, 215 feet from the east line and 900 feet from the south line of Section 15, Township 25 South, Range 37 East, N.M.P.M.
2. Applicant is the operator of the Langlie-Mattix Queen Unit, the same being a waterflood project heretofore approved by the Commission for the production of oil by secondary recovery methods from the Queen Formation underlying the proposed location.
3. Attached hereto is a plat of the Langlie-Mattix Queen Unit area showing the proposed well location, as well as the leases and operators committed to the unit. Also attached to this Application is copy of Form C-102 and C-101 prescribed by this Commission.

WHEREFORE, Applicant requests that this Application be set for hearing before an Examiner at the scheduled Examiner Hearing on June 2, 1971.

Respectfully submitted,

MOBIL OIL CORPORATION

By: MODRALL SPERLING ROEHL HARRIS & SISK

By

*James E. Sperling*  
James E. Sperling, its attorneys  
P. O. Box 2168  
Albuquerque, New Mexico 87103

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| OPERATOR               |  |

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

|  |
|--|
| 5A. Indicate Type of Lease   |
| STATE <input type="checkbox"/> REC <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |

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

|  |  |                                  |  |
|--|--|----------------------------------|--|
| 1a. Type of Work   |  | 7. Unit Agreement Name           |  |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> |  | Langlie-Mattix Queen Unit        |  |
| DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>                     |  | 8. Farm or Lease Name            |  |
| SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>   |  |                                  |  |
| 2. Name of Operator  |  | 9. Well No.                      |  |
| Mobil Oil Corporation  |  | 39                               |  |
| 3. Address of Operator   |  | 10. Field and Pool, or Wildcat   |  |
| P. O. Box 633, Midland, Texas 79701  |  | Langlie-Mattix                   |  |
| 4. Location of Well  |  | 12. County                       |  |
| UNIT LETTER <u>P</u> LOCATED <u>215</u> FEET FROM THE <u>East</u> LINE   |  | Lea                              |  |
| AND <u>900</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>15</u> TWP. <u>25-S</u> RGE. <u>37-E</u> NMPM                          |  |                                  |  |
| 19. Proposed Depth   |  | 19A. Formation                   |  |
| 3550   |  | Queen                            |  |
| 20. Rotary or C.T.   |  | Rotary                           |  |
| 21. Elevations (Show whether DF, RT, etc.)   |  | 22. Approx. Date Work will start |  |
| 3094 - ground  |  | June 16, 1971                    |  |
| 21A. Kind & Status Plug. Bond  |  | 21B. Drilling Contractor         |  |
| On File  |  | Unknown                          |  |

23.

## 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"         | 20 #            | 1200          | Circulate       | Surface  |
| 7 7/8"       | 5 1/2"         | 14 #            | 3500          | Circulate       | 1100'    |

### Mud Program

0 - 1200' Spud mud  
1200' - T.D. brine water, flosal & oil as necessary

### Logging Program

density log 3500' - T.D.

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.

Signed A. D. Bond Title Proration Staff Assistant Date May 7, 1971

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY:



Page 4546

XICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

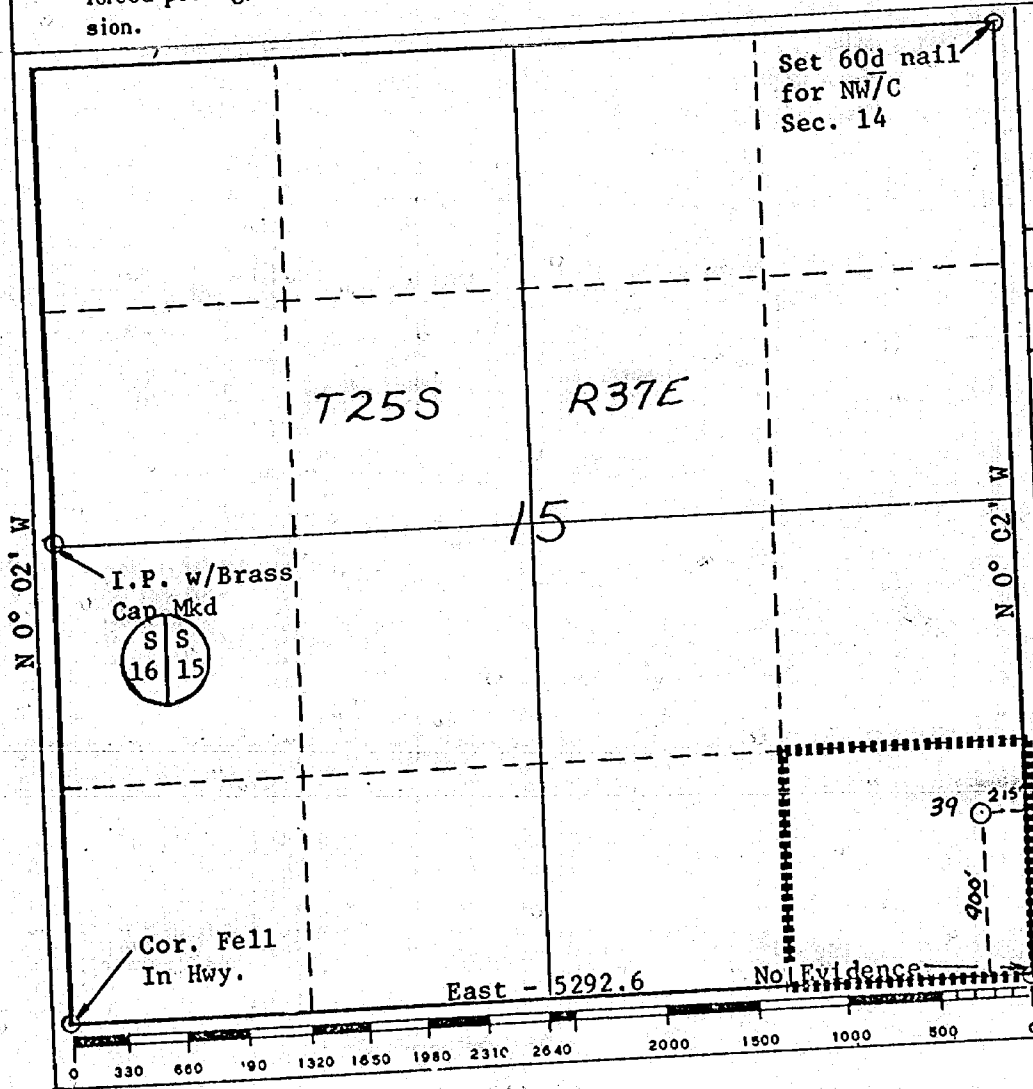
|  |                                     |                         |   |                      |                                       |
|--|-------------------------------------|-------------------------|---|----------------------|---------------------------------------|
| Operator<br><b>Mobil Oil Corporation</b>   |                                     |                         | Lease<br><b>Langlie-Mattix Queen Unit</b> |                      | Well No.<br><b>39</b>                 |
| Unit Letter<br><b>P</b>  | Section<br><b>15</b>                | Township<br><b>25-S</b> | Range<br><b>37-E</b>                      | County<br><b>Lea</b> |                                       |
| Actual Footage Location of Well:<br><b>215</b> feet from the <b>East</b> line and <b>900</b> feet from the <b>South</b> line |                                     |                         |   |                      | Dedicated Acreage:<br><b>40</b> Acres |
| Ground Level Elev.<br><b>3094</b>  | Producing Formation<br><b>Queen</b> |                         | Pool<br><b>Langlie-Mattix</b>             |                      |                                       |

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?

☐ 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 interests, has been approved by the Commission.



CERTIFICATION

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

Name  
**A. D. Bond**

Position  
**Proration Staff Assistant**

Company  
**Mobil Oil Corporation**

Date  
**May 7, 1971**

I hereby certify that the location shown on this plat was surveyed in the field and that the same is true and correct to the best of my knowledge and belief.

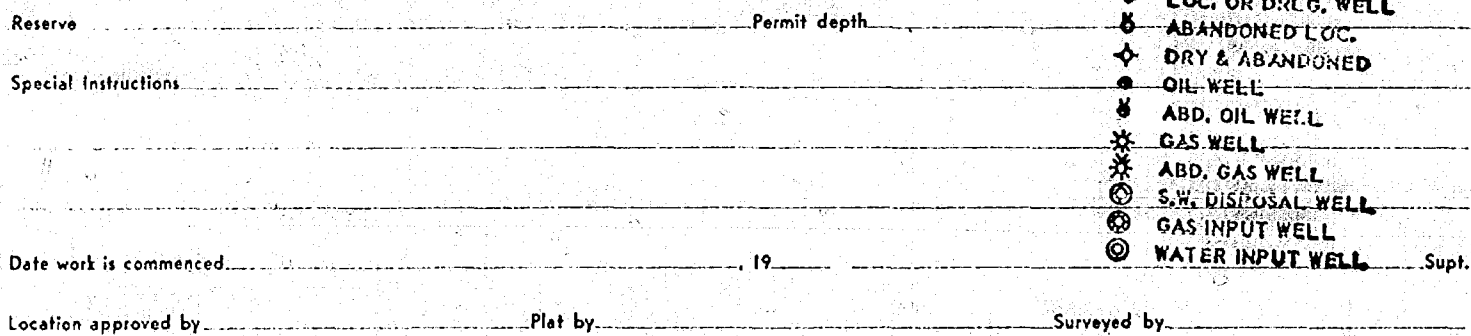
Date Surveyed  
**April 30, 1971**

Registered Professional Engineer and/or Land Surveyor

**Wilson D. Watson, Jr.**

Certificate No.  
**3959**

Case 4546



|                |             |                      |
|----------------|-------------|----------------------|
| DRAWN T. Ray   | DATE        | FIELD Longlie-Mattix |
| SCALE 1"=2000' | FILE NO. 62 |                      |

**Mobil Oil Corporation**

A I R M A I L

May 10, 1971

New Mexico Oil Conservation Commission (2)  
District 1, P. O. Box 1980  
Hobbs, New Mexico 88240

Attn: Mr. J. D. Ramey

P.O. BOX 633  
MIDLAND, TEXAS 79701

Mr. Hotch

APPLICATION FOR UNORTHODOX LOCATION  
MOBIL OIL CORPORATION'S LANGLEIE-  
MATTIX QUEEN UNIT, WELL NO. 39  
SEC. 15, T25S, R37E, LEA COUNTY, N.M.

Gentlemen:

Mobil Oil Corporation respectfully requests that the New Mexico Oil Conservation Commission schedule a hearing at the earliest date possible to consider Mobil's application for the subject unorthodox location. The requested well will be located in Unit P, 215 feet from the east line and 900 feet from the south line of Section 15, T25S, R37E, Lea County, New Mexico. The proposed well is to be drilled to a 3550' total depth in the Queen formation.

The requested unorthodox location is situated within the interior of the Langlie-Mattix Queen Unit, of which Mobil Oil Corporation is the operator.

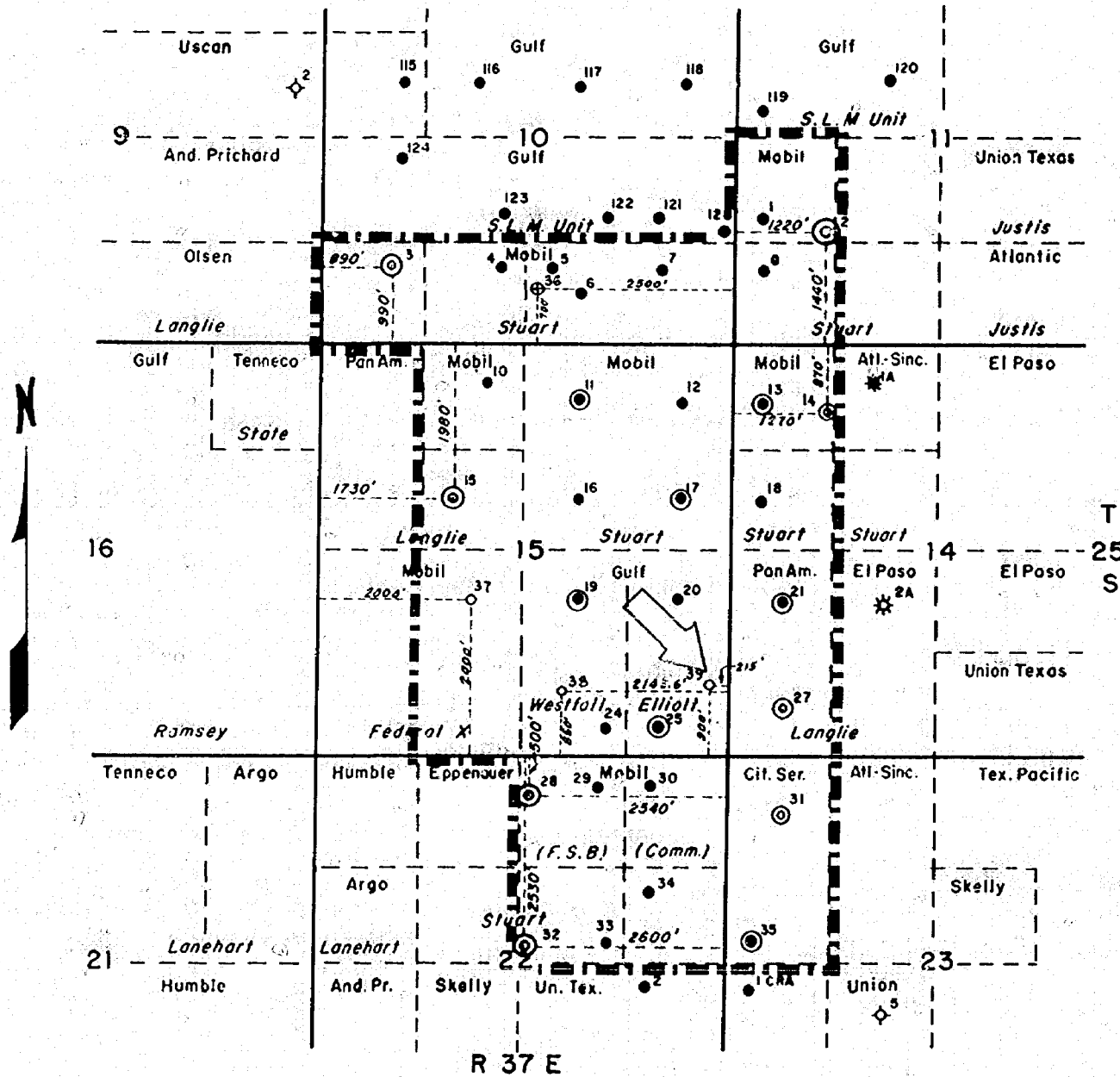
Should any additional information be necessary in order to set this application for hearing, please advise.

Yours very truly,

*Ira B. Stitt*  
For: Ira B. Stitt  
Division Operations Engineer

JHSeerey/nw

Case 4546



Reserve

Permit depth

Special Instructions

Date work is commenced

19

Location approved by

Plat by

Surveyed by

Supt.

- LOC. OR DRILG. WELL
- ⊗ ABANDONED LOC.
- ⊕ DRY & ABANDONED
- OIL WELL
- ⊗ ABD. OIL WELL
- ⊗ GAS WELL
- ⊗ ABD. GAS WELL
- ⊗ S.W. DISPOSAL WELL
- ⊗ GAS INPUT WELL
- ⊗ WATER INPUT WELL

THE STATE OF TEXAS  
COUNTY OF MIDLAND

I hereby certify that this plat truly represents conditions as they actually exist on this lease; that said plat which is drawn to the scale indicated hereon, is to the best of my knowledge true and correct; that it accurately shows said lease with all wells on same; that number and locations of said wells are as indicated hereon; and that this plat correctly reflects all pertinent and required data.

### Mobil Oil Corporation

EXPLORATION & PRODUCING DEPARTMENT  
MIDLAND DIVISION MIDLAND TEXAS

LEASE LANGLEIE-MATTIX QUEEN UNIT

WELL NO. DATE LEASE NO. NM

DIVISION LEASE NO. NM

TOTAL ACRES IN LEASE 1,040 ACRES COVERED BY PLAT 1,040

DESCRIPTION S/2 S/2 Sec.10, W/2 SW/4 Sec.11, W/2 W/2 Sec.14,

E/2 E/2 NW/4 Sec.15, NE/4 Sec.22, W/2 NW/4 Sec.23,

T 25S, R 37E

Leo County, New Mexico

DRAWN T. Ray

DATE

FIELD Langlie-Mattix

SCALE 1" = 2000'

FILE NO. 62

DRAFT

GMH/dr

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:

APPLICATION OF MOBIL OIL  
CORPORATION FOR AN UNORTHODOX  
OIL WELL LOCATION, LEA COUNTY,  
NEW MEXICO.

CASE No. 4546

Order No. R-4153

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 2, 1971,  
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this        day of June, 1971, 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, is the operator  
of the Mobil Langlie-Mattix Queen Unit Waterflood Project in the  
Langlie-Mattix Pool, Lea County, New Mexico.

(3) That the applicant, ~~Mobil Oil Corporation~~, seeks authority  
to drill an oil producing well as an infill well in <sup>the</sup> ~~xxx~~ Mobil  
Langlie-Mattix Queen Unit Waterflood project in the Langlie-Mattix  
Pool at an unorthodox location 900 feet from the South line and

-2-

CASE NO. 4546

Order No, R-

215 feet from the East line of Section 15, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(4) That approval of the proposed location should increase the efficiency of the Mobil Langley<sup>10</sup>-Mattix Queen Unit Waterflood Project and result in greater ultimate recovery of oil, thereby preventing waste.

(5) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the oil in the pool, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to drill a producing oil well as an infill well in the Mobil Langley<sup>10</sup>-Mattix Queen Unit Waterflood Project Area at an unorthodox location in the Langley<sup>10</sup>-Mattix Pool 900 feet from the South line and 215 feet from the East line of Section 15, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(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.