

CASE 7060: NOBEL PRODUCING INC. FOR  
PUNNHOLE COMMUNITIES, LEA COUNTY, NEW  
MEXICO

CASE NO.

7060

APPLICATION,  
TRANSCRIPTS,  
SMALL EXHIBITS,  
ETC.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 7060  
Order No. R-6510

APPLICATION OF MOBIL PRODUCING INC.  
FOR DOWNHOLE CUMMULING, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 29,  
1980, at Santa Fe, New Mexico, before Examiner Daniel S. Mutter.

NOW, on this 6th day of November, 1980, the Division  
Director, having considered the record and the recommendations  
of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be  
granted.

IT IS THEREFORE ORDERED:

That Case No. 7060 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year herein-  
above designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

*Joe D. Ramey*  
JOE D. RAMEY  
Director

SEAL  
7d/

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3 STATE OF NEW MEXICO  
4 ENERGY AND MINERALS DEPARTMENT  
5 OIL CONSERVATION DIVISION  
6 STATE LAND OFFICE BLDG.  
7  
8  
9

10 29 October 1980

11 EXAMINER HEARING

12  
13 IN THE MATTER OF:

14 Application of Mobil Producing, Inc., )  
15 for downhole commingling, Lea County, )  
16 New Mexico. )

CASE  
7060

17  
18 BEFORE: Daniel S. Nutter

19  
20 TRANSCRIPT OF HEARING

21  
22 A P P E A R A N C E S

23 For the Oil Conservation  
24 Division:

25 W. Perry Pearce, Esq.  
26 Legal Counsel to the Division  
27 State Land Office Bldg.  
28 Santa Fe, New Mexico 87501

MR. NUTTER: We'll call Case Number  
7060.

MR. PEARCE: Application of Mobil  
Producing, Inc., for downhole commingling, Lea County, New  
Mexico.

We have correspondence on this matter  
asking that it be set aside and scheduled on your docket --

MR. NUTTER: At request of the applicant  
Case Number 7060 will be dismissed. They're planning to file  
another application to handle this matter slightly different-  
ly.

(Hearing concluded.)

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2062, heard by me on 10/29 1980.

[Signature], Examiner  
Oil Conservation Division

SALLY W. BOYD, C.S.R.

Rt. 1 Box 150-B  
Santa Fe, New Mexico 87501  
Phone (505) 435-7409

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3 STATE OF NEW MEXICO  
4 ENERGY AND MINERALS DEPARTMENT  
5 OIL CONSERVATION DIVISION  
6 STATE LAND OFFICE BLDG.  
7 SANTA FE, NEW MEXICO  
8 29 October 1960

9 EXAMINER HEARING

10  
11 IN THE MATTER OF:

12 Application of Mobil Producing, Inc., ) CASE  
13 for downhole commingling, Lea County, ) 7060  
14 New Mexico. )  
15 )

16  
17 BEFORE: Daniel S. Nutter

18  
19 TRANSCRIPT OF HEARING

20  
21 A P P E A R A N C E S

22 For the Oil Conservation  
23 Division:

24 W. Perry Pearce, Esq.  
25 Legal Counsel to the Division  
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27 Santa Fe, New Mexico 87501  
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MR. NUTTER: We'll call Case Number  
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We have correspondence on this matter  
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MR. NUTTER: At request of the applicant  
Case Number 7060 will be dismissed. They're planning to file  
another application to handle this matter slightly different-  
ly.

(Hearing concluded.)

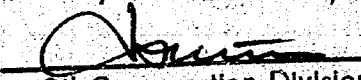
## C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

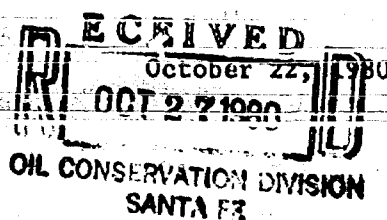
SALLY W. BOYD, C.S.R.

Rt. 1 Box 191-B  
Santa Fe, New Mexico 87501  
Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7060 heard by me on 10/29 1980.

 , Examiner  
Oil Conservation Division

# Mobil Producing Texas & New Mexico Inc.



NINE GREENWAY PLAZA—SUITE 2700  
HOUSTON, TEXAS 77046

State of New Mexico  
Energy & Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

7.01

CANCELLATION OF HEARING - CASE-7060

Gentlemen:

Please set aside Case No. 7060 scheduled on your Docket No. 34-80 for October 29, 1980.

Very truly yours,

*J. A. Morris*

J.A. Morris  
Regulatory Engineering  
Supervisor

HFWeaver/lf

*Don*

# Memo

From

R. L. STAMETS  
Technical  
Support Chief

To

Hap Weaver says

Dismiss Core 7060

R. L. R

OIL CONSERVATION DIVISION SANTA FE

Dockets Nos. 36-80 and 37-80 are tentatively set for November 12 and 25, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

**DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 29, 1980**

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

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamata, Alternate Examiner:

CASE 7055: (This case will be continued to the November 25 hearing.)

Application of Union Oil Company of California for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Eaves-Lea Unit Area, comprising 2209 acres, more or less, of State and Federal lands in Township 21 South, Ranges 32 and 33 East.

CASE 7056: Application of Getty Oil Company for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3540 feet, subsurface, under the NW/4 SW/4 of Section 3, Township 24 South, Range 36 East.

CASE 7057: Application of Boyle Hartman for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to the following depths underlying the following 40-acre tracts in Township 24 South, Range 37 East: NW/4 SW/4 of Section 30, 3364 acres; NE/4 SW/4 of Section 30, 1280 acres; and SE/4 SW/4 of Section 20, 3390 feet.

CASE 7058: Application of Tahoe Oil & Cattle Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Jalmat and Langlie Mattix production in the wellbores of its Harrison Wells Nos. 1 and 2 located in Units A and B, respectively, and its Judy Well No. 1 located in Unit C, all in Section 7, Township 25 South, Range 37 East.

CASE 7059: Application of Gulf Oil Corporation for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3406 feet under the W/2 SW/4 of Section 30, Township 24 South, Range 37 East.

CASE 7060: Application of Mobil Producing Inc. for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Jalmat and Langlie Mattix production in the wellbores of its Humphrey Queen Unit Wells Nos. 13 in Unit I of Section 4 and 16 in Unit K of Section 3 and its Langlie Mattix Queen Unit Well No. 10 in Unit C of Section 15, all in Township 25 South, Range 37 East.

CASE 7061: Application of Bettis, Boyle & Stovall for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Jalmat and Langlie Mattix production in the wellbore of its Justis B Well No. 8 located in Unit G of Section 20, Township 25 South, Range 37 East.

CASE 7062: Application of El Paso Natural Gas Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Jalmat and Langlie Mattix production in the wellbore of its Carlson Federal Well No. 2 located in Unit N of Section 23, Township 25 South, Range 37 East.

CASE 7063: Application of Lewis Burleson for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3150 feet under the SE/4 NW/4 of Section 22, Township 25 South, Range 37 East.

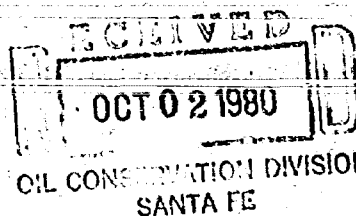
CASE 7041: (Continued from October 8, 1980, Commission Hearing)

Application of John Yuronka for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3,408 feet, subsurface, under the NW/4 SW/4 of Section 17, Township 24 South, Range 37 East.

CASE 7064: Application of El Paso Natural Gas Company for an unorthodox location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of a previously approved 440-acre proration unit comprising the S/2, S/2 NW/4, and NW/4 NW/4 of Section 33, Township 25 South, Range 37 East, Jalmat Gas Pool, to its Gregory Fed. Well No. 1 located in Unit J and its Gregory Fed. A Well No. 2, at an unorthodox location in the center of Unit L of said Section 33.

OIL CONSERVATION DIVISION  
DISTRICT I

Case 7060



OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE September 23, 1980

RE: Proposed MC \_\_\_\_\_  
Proposed DHC ☒ \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed NSP \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed UFW \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

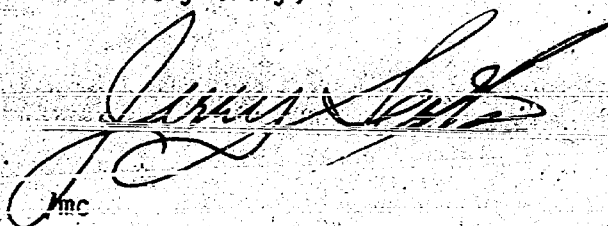
I have examined the application for the:

Operator Mobil Producing, Texas & NM Inc. Langlie Mattix Qu. Ut. #10-C in 15-25-37  
Lease and Well No. Unit, S - T - R

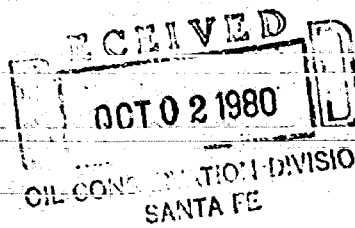
and my recommendations are as follows:

OK -- JS

Yours very truly,

  
JLS

OIL CONSERVATION DIVISION  
DISTRICT I



Case 7060

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE September 23, 1980

RE: Proposed MC  
Proposed DHC x  
Proposed NSL  
Proposed NSP  
Proposed SWD  
Proposed WFA  
Proposed PMX

Gentlemen:

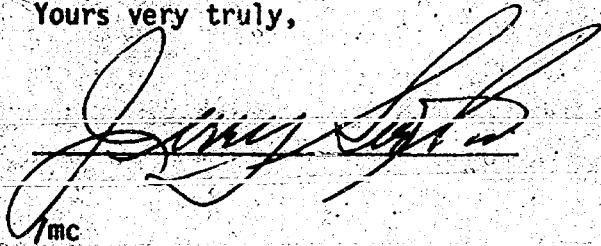
I have examined the application for the:

Mobil Producing, Texas & NM Inc. Humphrey Queen Unit #13-I in 4-25-37  
Operator Lease and Well No. Unit, S - T - R

and my recommendations are as follows:

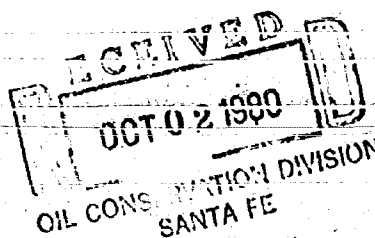
OK -- Jerry Sexton

Yours very truly,

  
/mc

OIL CONSERVATION DIVISION  
DISTRICT I

Case 7060



OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE September 23, 1980

RE: Proposed MC \_\_\_\_\_  
Proposed DHC X  
Proposed NSL \_\_\_\_\_  
Proposed NSP \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Mobil Producing, Texas & NM INC. Humphrey Queen Ut. #16-K in 3-25-37  
Operator Lease and Well No. Unit, S - T - R

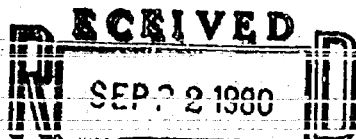
and my recommendations are as follows:

OK -- Jerry Sexton

Yours very truly,

A handwritten signature in cursive script, appearing to read "Jerry Sexton".  
/mc

# Mobil Producing Texas & New Mexico Inc.



Case 7060

NINE GREENWAY PLAZA—SUITE 2700  
HOUSTON, TEXAS 77046

OIL CONSERVATION DIVISION  
SANTA FE

September 18, 1980

State of New Mexico  
Energy & Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

ATTN: Mr. Joe D. Ramey, Director

7.01

VIOLATION TO DOWNHOLE COMMINGLE  
HUMPHREY QUEEN UNIT (HQU)  
WELL NO'S 13 & 16, LANGLEIE MATTIX  
QUEEN UNIT (LMQU), WELL NO. 10,  
LANGLIE MATTIX SEVEN RIVERS  
QUEEN & JALMAT POOLS  
LEA COUNTY, NEW MEXICO

Dear Sir:

By letter of July 28, 1980 we were advised that the New Mexico Oil Conservation Division (NMCD) had reviewed wells in the Langlie Mattix and Jalmat Pools and found approximately 50 wells crossing pool boundaries without authority for such practices.

Three Mobil Producing Texas and New Mexico Inc. (MPTM) operated wells, the Humphrey Queen Unit Well No's 13 & 16, and the Langlie Mattix Queen Unit Well No. 10, were found to be in violation.

The NMCD called a meeting August 7, 1980, to discuss the problem with the operators and determine the corrective action to be taken on the out of limit wells. Recommended corrective action that should be taken as decided at the meeting is as follows:

- (1) Squeeze off the section of the wells that is outside of the pool limits, or,
- (2) File for a hearing for exception to the field rules for the wells involved, or
- (3) Apply for permission to downhole commingle.

**Mobil**

Mr. Joe D. Ramey

-2-

September 18, 1980

In view of the foregoing, MPTM, therefore, respectfully requests administrative approval to downhole commingle the three subject wells.

In as much as these wells were completed as singles, no authorization for dual completion was ever requested. Consequently, certain data, normally submitted in an application for administrative approval to downhole commingle, is not available, including a copy of an authorization to dually complete.

Following, is the required data which is available and submitted for your consideration in this application. The data submitted follows the procedure set out in NMCD Rules & Regulations, Rule 303, Item 2 (a) - (i).

- (a) Mobil Producing Texas & New Mexico, Inc.  
Nine Greenway Plaza, Suite 2700  
Houston, Texas 77046

| <u>(b) Lease Name</u>     | <u>Well No.</u> | <u>Well Location</u> |
|---------------------------|-----------------|----------------------|
| Langlie Mattix Queen Unit | 10              | C-15-25s-37E         |
| Humphrey Queen Unit       | 13              | I-4-25s-37E          |
| Humphrey Queen Unit       | 16              | K-3-25s-37E          |

A plat is attached showing the location of the subject wells.

| <u>(c) Lease &amp; Well No.</u> |    | <u>Footage Open &amp; (Percentage of Total) Each Zone</u> |                            |
|---------------------------------|----|-----------------------------------------------------------|----------------------------|
|                                 |    | <u>JALMAT ZONE</u>                                        | <u>LANGLEY MATTIX ZONE</u> |
| LMQU                            | 10 | 36' (17%)                                                 | 174' (83%)                 |
| HQU                             | 13 | 28' (9%)                                                  | 300' (91%)                 |
| HQU                             | 16 | 65' (20%)                                                 | 266' (80%)                 |

- (d) This is impractical to obtain due to the limited productivity of the commingled wells and the economics involved in attempting to obtain a test from each zone in a 2 barrel per day pumping well. Attached for each well, as completed, is a recent Form C-116.

# Mobil

Mr. Joe D. Ramey

-3-

September 18, 1980

- (e) Production decline curve for each well is attached.
- (f) Estimated BHP for the LMQU is 300 psig  
Estimated BHP for the HQU is 300 psig
- (g) These wells have been producing oil, water and gas for several years. No harmful deposits in the well bore or other evidences of incompatibility have been observed from the mixing of hydrocarbons and water downhole.
- (h) API gravity of the crude is  $39^{\circ}$  from each zone. The value of the combined or the sum of individual streams is the same.
- (i) All offset operators were notified by letter of September 9, 1980 of our proposal to downhole commingle the captioned wells.

These wells are currently in a waterflood project and each unit and the wells therein have common ownership. Mobil Producing Texas & New Mexico, Inc. recommends that during downhole commingling, the oil production allocation to the various pools be based on the percentage of gross zone exposed to the well bore. The allocated production should be rounded off to the nearest barrel; less than .5 = 0, .5 or greater = 1. Gas production should be allocated to the various pools by multiplying the barrels of oil allocated by the lease producing gas oil ratio.

We trust that sufficient data has been submitted in order for you to reach a favorable conclusion on MPTM's request for administrative approval to downhole commingle the subject wells.

Yours very truly,

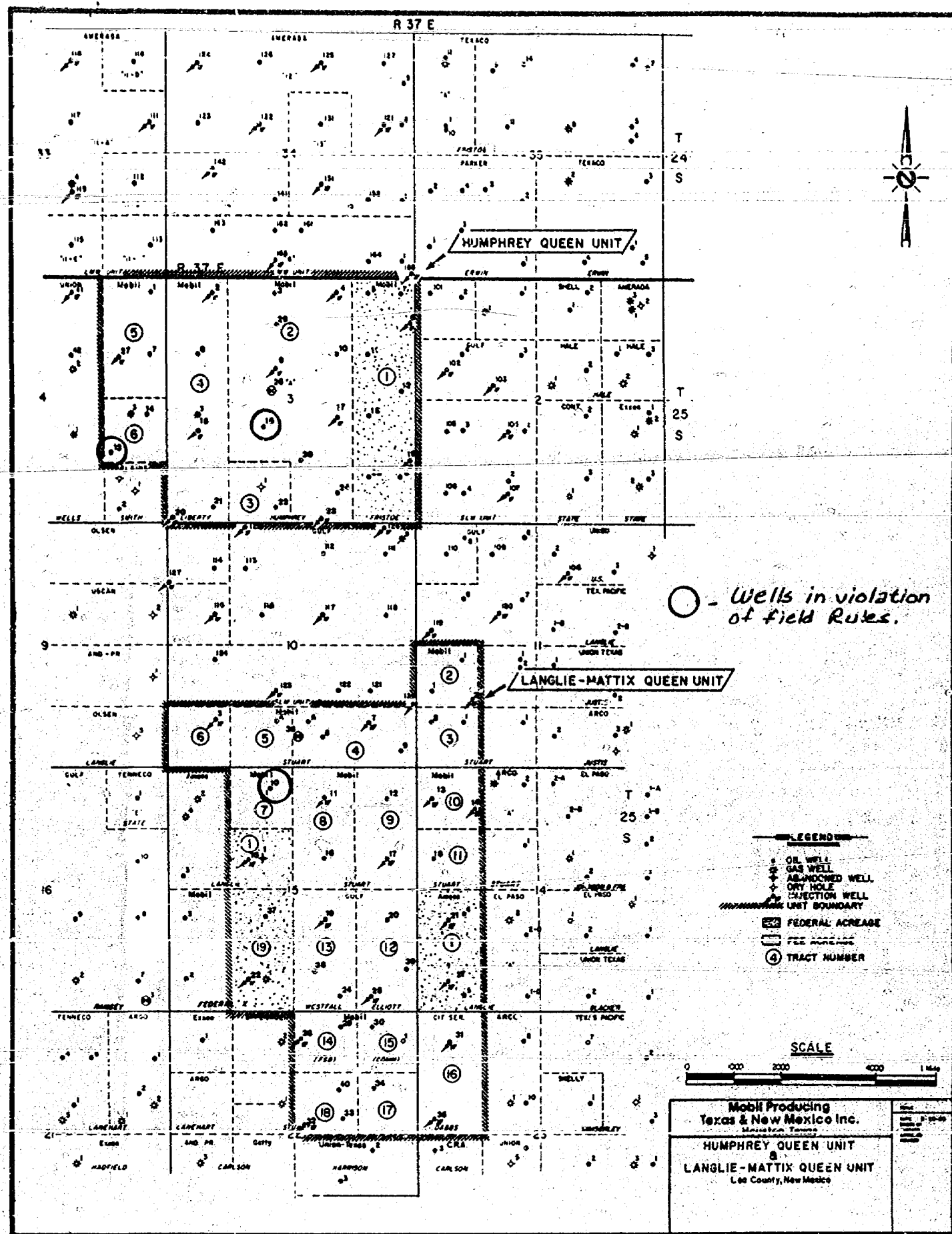
*J. A. Morris*

J. A. Morris  
Regulatory Engineering Supervisor

HPWeaver/srd

Enclosures

cc: Jerry T. Sexton



C-116  
Revised 1-1-65

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

*J. N. Heath*  
(Signature)  
Authorized Agent  
(Title)  
9-18-80

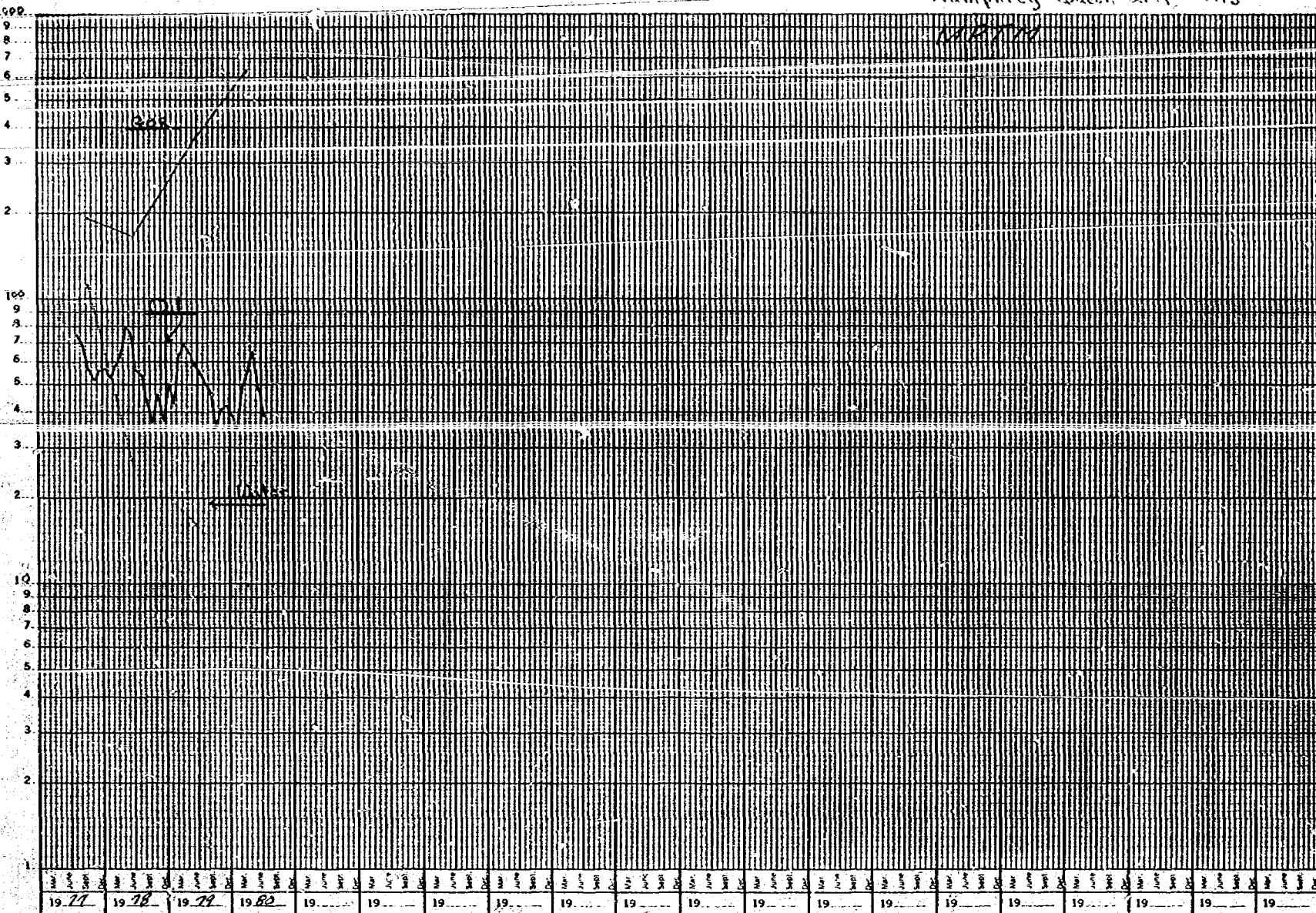
Langley Mott-7 Kites Queen  
Humphrey Queen, Dr. 4 1913

47 5840

NOE 20 YEARS BY MONTHS X 3 LOG CYCLES  
HUMPHREY & SONS CO. MADE IN U.S.A.

GOR-25/100

Oil-Bld/Month

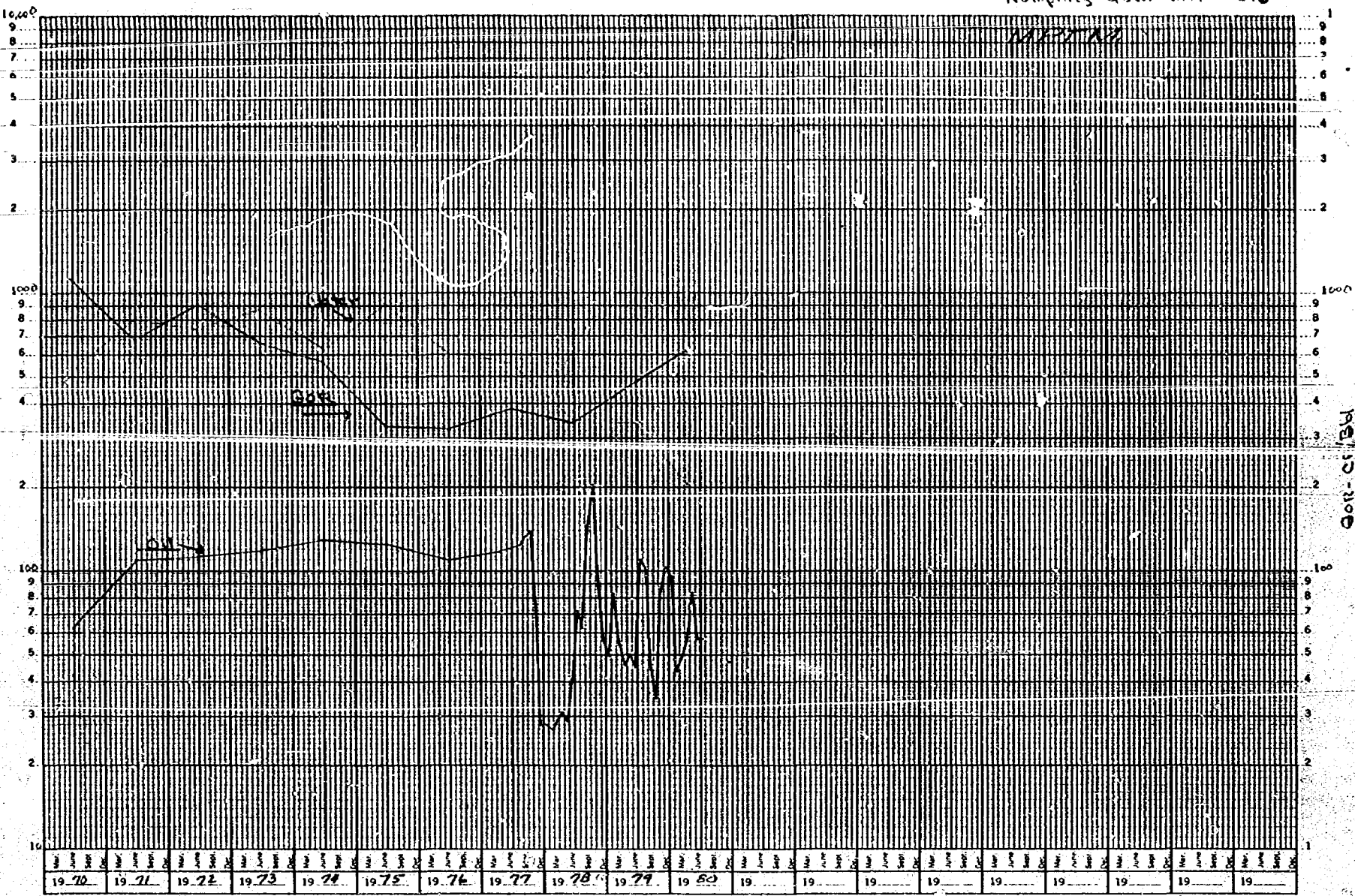


Large Mother 7 Rivers Queen  
Humphrey Queen Unit #016

47 6840

30 YEARS BY MONTHS & LOG CYCLES  
H-E HUPP & COMPANY

Oil/Water - Bbls/Month



Oil - 0.1/20

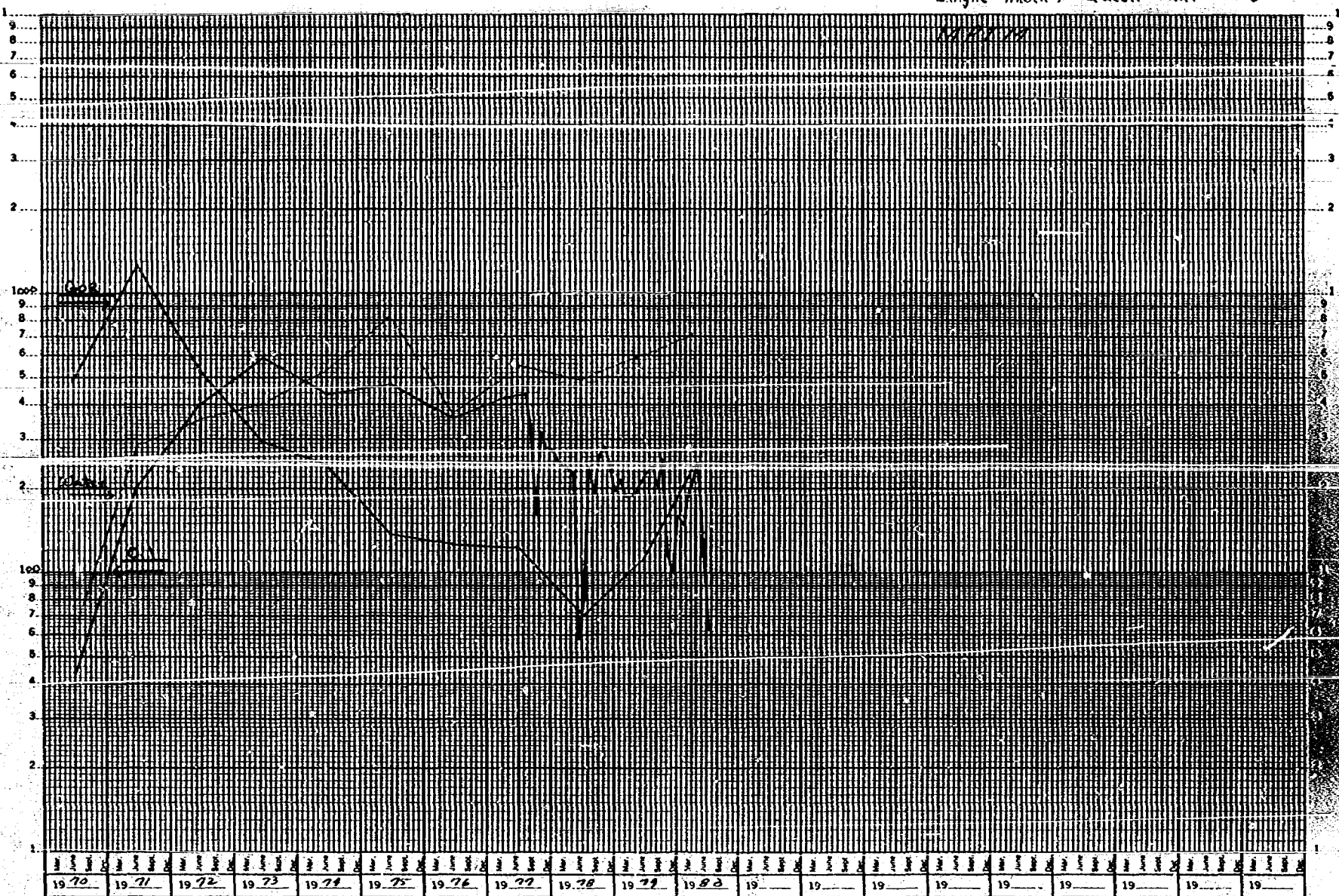
Langlie Mattix 7 Rivers Queen  
Langlie Mattix Queen Unit 4010

47 5840

14 1/2 IN YEARS BY MONTHS X 3 LOG CYCLES  
W.E. REPORT & DATA CO. MADE IN U.S.A.

Gor - CF/1861

Bbs/Month



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 7060

Order No. R- 6510

APPLICATION OF MOBIL PRODUCING INC.  
FOR DOWNHOLE COMMINGLING, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 29,  
19 80, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this \_\_\_\_\_ day of \_\_\_\_\_, 19 80, the Division  
Director, having considered the record and the recommendations of  
the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 7060 is hereby dismissed.

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