



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

August 17, 1989

Mobil Exploration and Producing U.S., Inc.
P.O. Box 633
Midland, TX 79702

Attention: M.E. Sweeney

RE: Unorthodox gas well
location; State L
Well No. 4, 660' FN
& WL, D-21-T17S-
R35E, Undesignated
North Vacuum-Atoka-
Morrow Gas Pool, Lea
County, New Mexico.

Dear Mr. Sweeney:

In reference to the subject filing dated August 14, 1989, since there are no provisions in General Rule 104.F.I. for administrative approval for the deepening of an existing well at an unorthodox location, I have taken the liberty to set this matter on the next available hearing docket for September 20, 1989.

If you should have any questions concerning this matter, please contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael E. Stogner", with a long horizontal line extending to the right.

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: Oil Conservation Division - Hobbs

Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

August 14, 1989

State of New Mexico (3)
Energy and Minerals Department
Oil Conservation Division
State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Dave Catanach

RECEIVED

AUG 17 1989

OIL CONSERVATION DIV.
SANTA FE

Case 9761

UNORTHODOX WELL LOCATION
STATE L LEASE
WELL NO. 4
UNDESIGNATED - ATOKA GAS
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Exploration & Producing U.S. Inc. (MEPUS), as Agent for Mobil Producing Texas & New Mexico Inc., respectfully requests administrative approval to recomplete the subject well to an undesignated field, at an unorthodox location.

This request is necessary, as required by the State Wide Gas Field Rules, due to the well being less than 1980 feet to the nearest end boundary.

The following items are being submitted, in triplicate, in support of this request:

1. Form C-101 - Application for Permit to Drill, Deepen or Plug Back;
2. Form C-102 - Well location and acreage dedication plat;
3. Map showing Offset Operators;
4. Copy of Certified letter to Offset Operators.

A:M922287A.JWD(2)

State of New Mexico
Unorthodox Well Location
State L
Well No. 4
Lea County, New Mexico

-2-

August 14, 1989

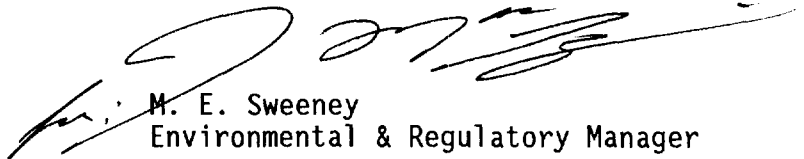
A copy of this letter and attachments are being furnished to the Offset Operators by Certified Mail, as notice of this application.

This location is requested to:

1. Make use of an existing S.I. wellbore.
2. Geologically, the Atoka Sand thins out near the south of this location, and a legal location would be extremely risky.
3. A new wellbore would not be economic to recover the \$800M investment and would not be drilled.

To recover the gas reserves over this lease, MEPUS requests that an unorthodox location be administratively approved.

Yours very truly,



M. E. Sweeney
Environmental & Regulatory Manager

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

JWD/arr

attachments

cc: Oil Conservation Division - Hobbs
Offset Operators (w/attach)

A:M922287A.JWD(2)

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.
B-2956

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 ☐

2. Name of Operator

Mobil Producing Tx. & N.M. Inc.

3. Address of Operator

c/o Mobil Exploration & Producing U.S. Inc.
P.O. Box 633, Midland, Texas 79702

7. Lease Name or Unit Agreement Name

State L

8. Well No.

4

9. Pool name or Wildcat

Undesignated Atoka

4. Well Location

Unit Letter D : 660 Feet From The West Line and 660 Feet From The North Line
Section 21 Township 17-S Range 35-E NMPM Lea County

10. Proposed Depth

12,500

11. Formation

Atoka

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3960 GL

14. Kind & Status Plug. Bond

Blanket on File

15. Drilling Contractor

Unknown

16. Approx. Date Work will start

Sept. 1, 1989

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	12-3/4"	34#	250'	400 Sx	Surface/circulate
11"	8-5/8"	28#	3280'	1600 Sx	Surface/circulate
7-7/8"	5-1/2"	17#	9100'	2500 SX	Surface/circulate
4-3/4"	2-7/8"	6.5#	12,300'	250 Sx	Surface/circulate

We are requesting permission to deepen this well to the Atoka-Morrow

1. POH w/rods; NU BOP; POH w/tbg;
2. Sqz Glorieta perforation 6480-88, 6490-96, 6502-04, 6512-16;
3. Drlg out & Test sqz perfs; Drlg out 5-1/2" CIBP @ 8765;
4. Sqz Abo perfs 8822-8885, drlg out & test.
5. Drlg 4-3/4" hole to 12,300; set 2-7/8" csg to surface; circulate cmt to 8800'.
6. Perforate Atoka @ ±12,050', acidize & put on production.

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 M. E. Sweeney TITLE Manager Environmental & Regulatory DATE 8/14/89
Mobil Producing Texas & New Mexico Inc.
acting by and through its agent
TYPE OR PRINT NAME Mobil Exploration & Producing U.S. Inc. TELEPHONE NO. (915) 688-

(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

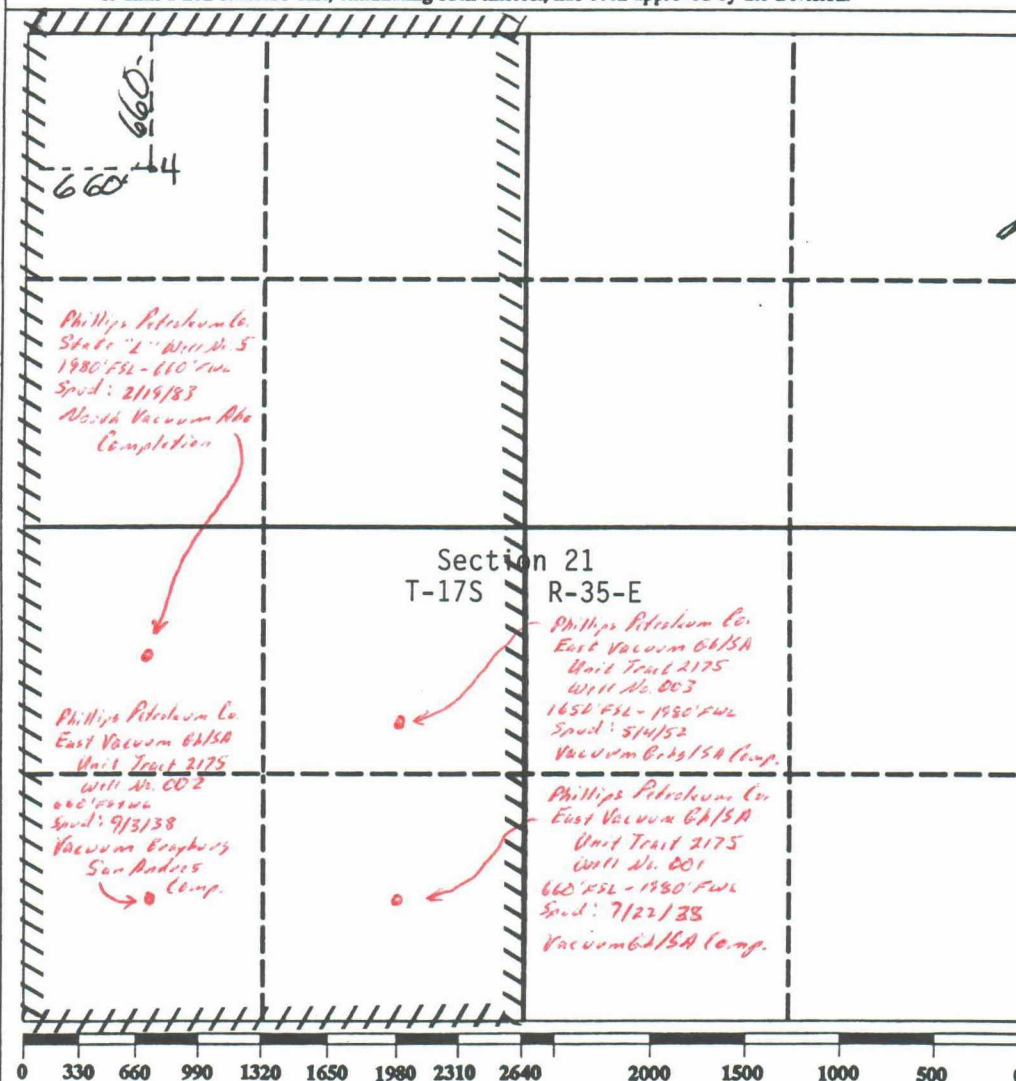
All Distances must be from the outer boundaries of the section

Operator Mobil Producing Tx. & N. M. Inc.			Lease State L		Well No. 4
Unit Letter D	Section 21	Township 17-S	Range 35-E	County NMPM	Lea
Actual Footage Location of Well: 660 feet from the North line and 660' feet from the West line					
Ground level Elev. 3960	Producing Formation Atoka Gas	Pool Undesignated	Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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.

Signature
M. E. Sweeney

Printed Name
Manager Environmental & Regulatory
Position

Mobil Producing Texas & New Mexico Inc
Company

acting by and through its agent
Mobil Exploration & Producing U.S. Inc.

Date
8-14-89

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
03/13/73

Signature & Seal of
Professional Surveyor

John H. Seerey, Jr.

Certificate No.
3572

MOBIL EXPLORATION & PRODUCING U.S. INC.
UNORTHODOX WELL LOCATIONS
STATELL LEASE
WELL NO. 4
LEA COUNTY, NEW MEXICO

OFFSET OPERATORS

Pennzoil
P.O. Drawer 1828
Midland, Texas 79702-1828

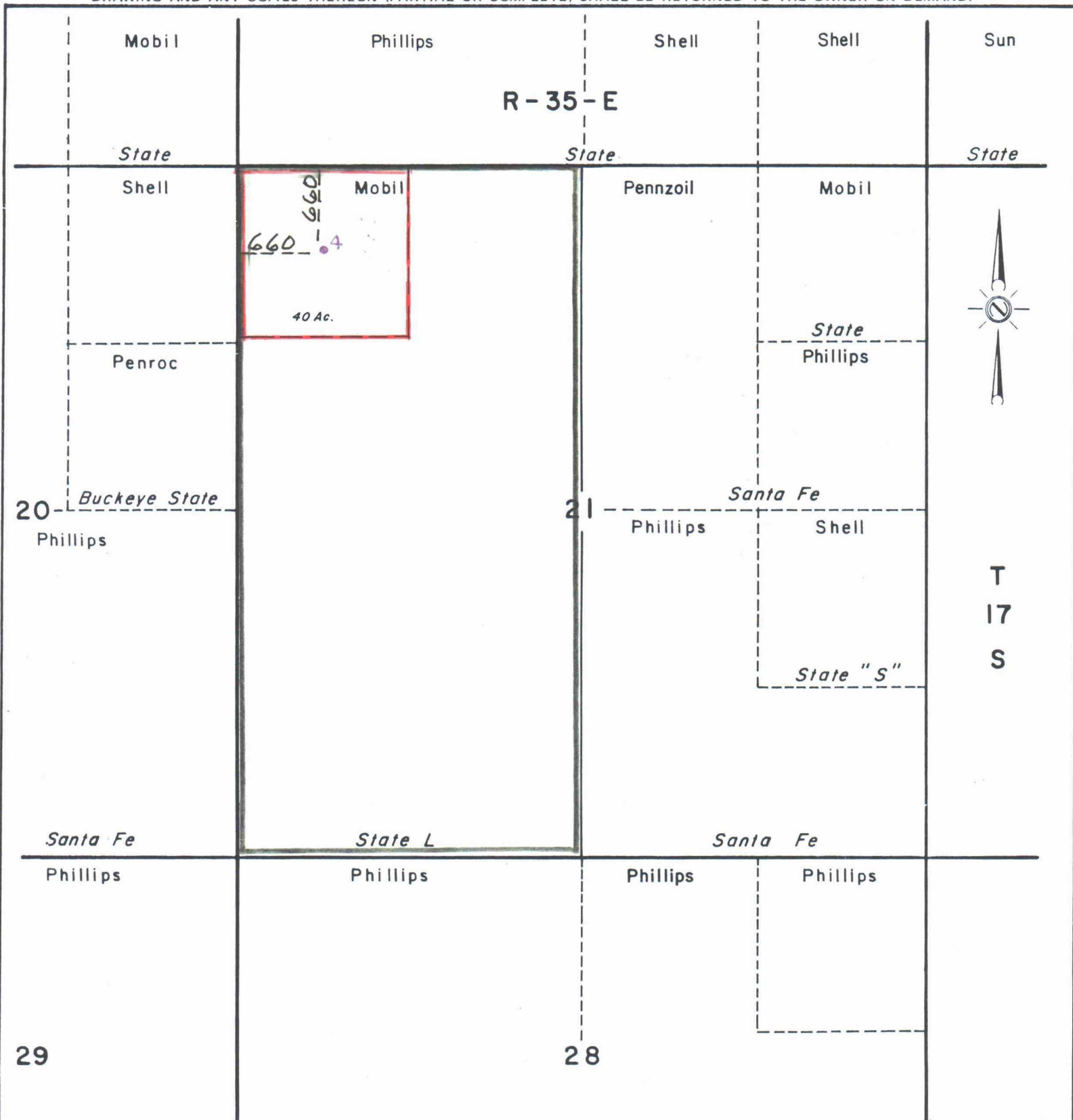
Phillips Petroleum Company
Attn: Larry Sanders
4001 Penbrook
Odessa, Texas 79762

Sun Expl. & Prod. Company
P.O. Box 1861
Midland, Texas 79702

Penroc Oil Corporation
P.O. Drawer 831
Midland, Texas 79701

Shell Western Expl. & Prod., Inc.
Attn: Environmental & Regulatory
P.O. Box 2463
Houston, Texas 77001

THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF MOBIL PRODUCING TEXAS & NEW MEXICO INC. AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREON (PARTIAL OR COMPLETE) SHALL BE RETURNED TO THE OWNER ON DEMAND.



Reserve _____ Permit Depth 12,500'

Special Instructions _____

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 Producing Texas & New Mexico Inc.
Midland Division**

LEASE State L
WELL NO. 4 DATE 8/19/89 19_____
LEASE NO. NM 608
TOTAL ACRES IN LEASE 320 ACRES COVERED BY PLAT 320
DESCRIPTION W 1/2 Sec. 21, T17S, R35E

Lea County, New Mexico

DRAWN ARH
SCALE 1" = 1000'

DATE 8-10-89
FILE NO. 7

FIELD North Vacuum
(Atoka)

Mobil Exploration & Producing U.S. Inc.

August 14, 1989

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Pennzoil
P.O. Drawer 1828
Midland, Texas 79702-1828

Case 9761

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

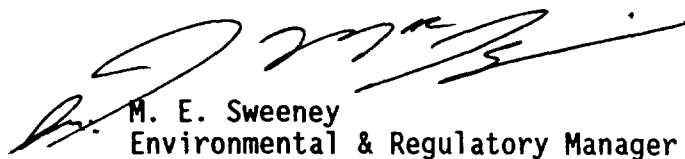
Gentlemen:

Mobil Exploration & Producing U.S. Inc. (MEPUS), as Agent for Mobil Producing Texas & New Mexico Inc., is requesting authority to recomplete the State L well No. 4 on an unorthodox location, under the provisions of Rule 104 (F). Attached to this letter is a copy of the application to drill and corresponding plats, showing the exact location of the subject well.

If you have no objection to this application, please sign the attached waiver and mail three copies to MEPUS. An addressed, stamped envelope is enclosed for your convenience.

Please call J.W. Dixon at (915) 688-2452 if any further information is needed.

Yours very truly,



M. E. Sweeney
Environmental & Regulatory Manager

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

JWD/arr

attachments

cc: Oil Conservation Division - Hobbs

A:M922287A.JWD(2)

Mobil Exploration & Producing U.S. Inc.

August 14, 1989

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Penroc Oil Corporation
P.O. Drawer 831
Midland, Texas 79701

Case 9761

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

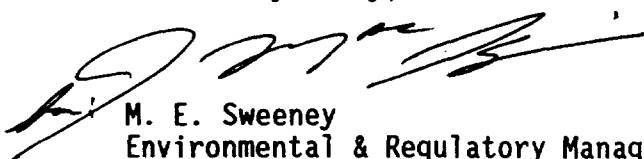
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Environmental & Regulatory Manager

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

JWD/arr

attachments

cc: Oil Conservation Division - Hobbs

A:M922287A.JWD(2)

Mobil Exploration & Producing U.S. Inc.

August 14, 1989

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

Attn: Mr. Larry Sanders

Case 9761

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

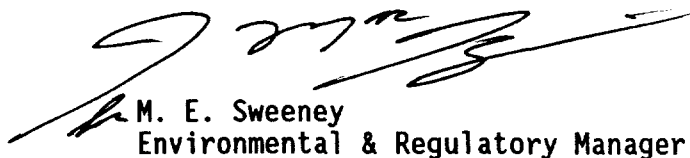
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Yours very truly,



M. E. Sweeney
Environmental & Regulatory Manager

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

JWD/arr

attachments

cc: Oil Conservation Division - Hobbs

A:M922287A.JWD(2)

Mobil Exploration & Producing U.S. Inc.

August 14, 1989

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Shell Western Expl. & Prod., Inc.
P.O. Box 2463
Houston, Texas 77001

Case 9761

Attn: Environmental & Regulatory Dept.

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

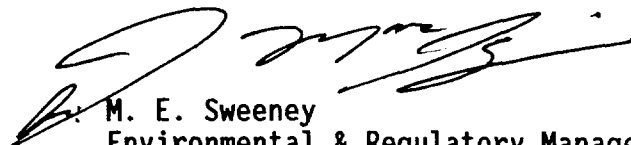
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Please call J.W. Dixon at (915) 688-2452 if any further information is needed.

Yours very truly,


M. E. Sweeney
Environmental & Regulatory Manager

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

JWD/arr

attachments

cc: Oil Conservation Division - Hobbs

A:M922287A.JWD(2)

Mobil Exploration & Producing U.S. Inc.

August 14, 1989

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Sun Expl. & Prod. Company
P.O. Box 1861
Midland, Texas 79702

Case 9761

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

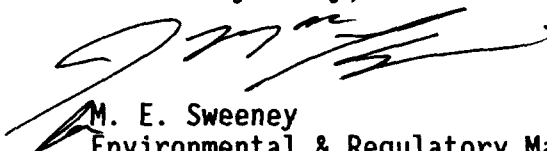
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Yours very truly,



M. E. Sweeney
Environmental & Regulatory Manager

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

JWD/arr

attachments

cc: Oil Conservation Division - Hobbs

A:M922287A.JWD(2)

W A I V E R

Mobil Exploration & Producing U.S. Inc.
P.O. Box 633
Midland, Texas 79702

Attn: J. W. Dixon

UNORTHODOX WELL LOCATIONS

**STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO**

Gentlemen:

We, the undersigned, have been furnished a copy of Mobil Exploration & Producing U.S. Inc., as Agent for Mobil Producing Texas & New Mexico Inc.'s application to drill the subject well on an unorthodox location under the provisions of Rule 104 (F). Please be informed that we, as an offset operator, have no objection to the drilling of this well as set forth in MEPUS's application dated August 14, 1989.

Yours truly,

Company: _____
Representative: _____
Signature: _____
Title: _____
Date: _____

A:M922287A.JWD(2)



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARRY CARRETHERS
LEGISLATOR

POST OFFICE BOX 1080
HOBBS, NEW MEXICO 88241-1080
(505) 393-6161

Case 9761

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

RECEIVED

AUG 21 1989

OIL CONSERVATION DIV.
SANTA FE

RE: Proposed:

MC _____
DHC _____
NSL ☒ _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Mountain View, 27.6 A. #4-2 21.11.7
Operator _____ Lease & Well No. _____ Unit _____ S-T-R _____

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed

W A I V E R

RECEIVED

Mobil Exploration & Producing U.S. Inc.
P.O. Box 633
Midland, Texas 79702

Attn: J. W. Dixon

AUG 23 1989

Case 9704 CONSERVATION DIV.
SANTA FE

UNORTHODOX WELL LOCATIONS

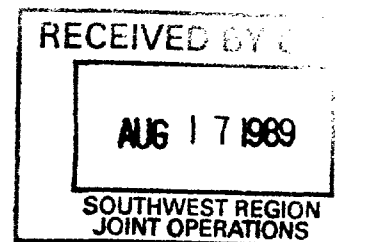
STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

Gentlemen:

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Yours truly,

Company:	<u>Oryx Energy Company</u>
Representative:	<u>Joe G. Haskell</u>
Signature:	<u><i>J. G. Haskell</i></u>
Title:	<u>Geology Supervisor</u>
Date:	<u>August 18, 1989</u>



A:M922287A.JWD(2)

Case No. 9761

W A I V E R

RECEIVED

SEP 11 1989

OIL CONSERVATION DIV.
SANTA FE

Mobil Exploration & Producing U.S. Inc.
P.O. Box 633
Midland, Texas 79702

Attn: J. W. Dixon

UNORTHODOX WELL LOCATIONS

STATE L LEASE
WELL NO. 4
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

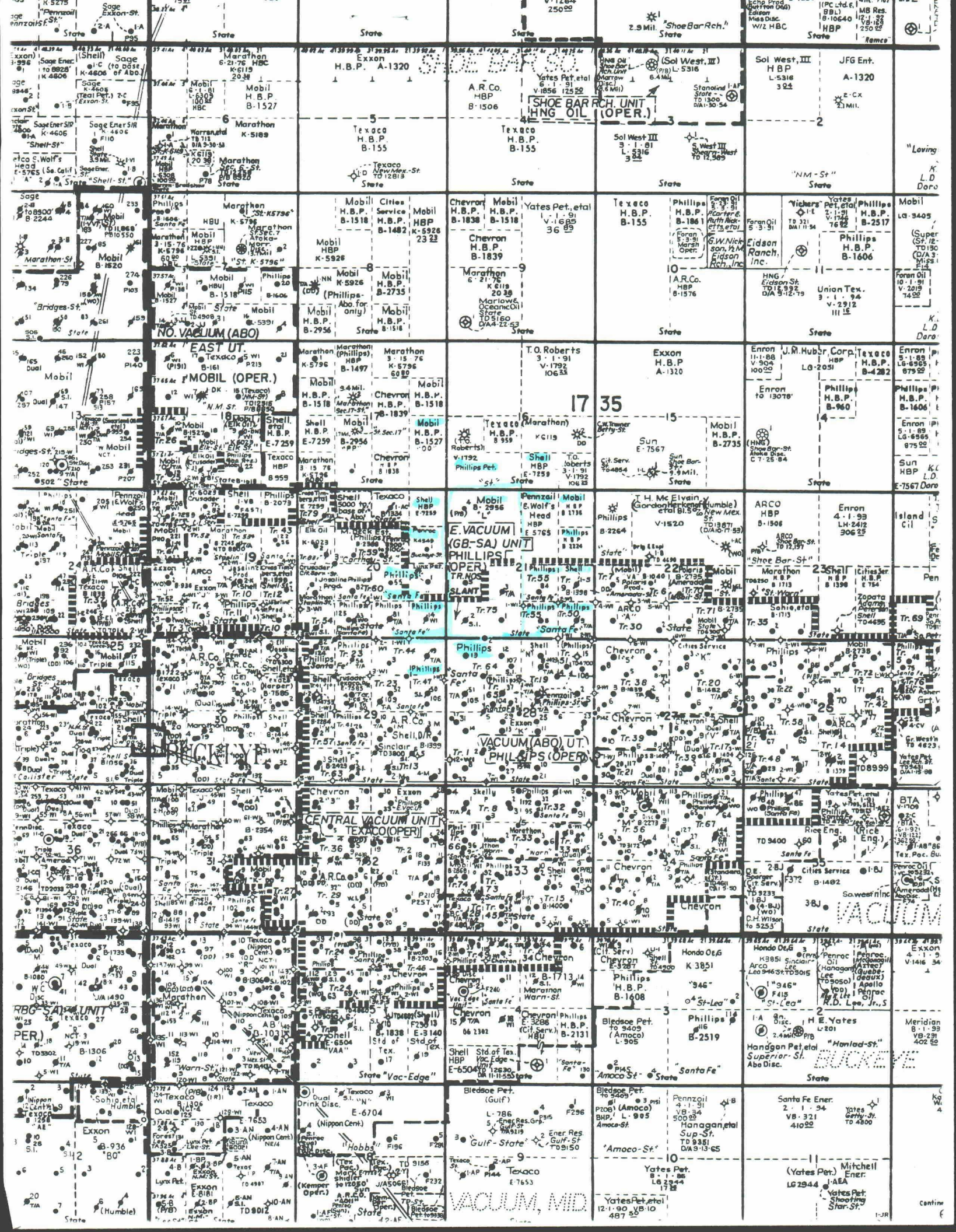
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Yours truly,

Company:	<u>Phillips Petroleum Company</u>
Representative:	<u>P. Kent Crawford</u>
Signature:	<u></u>
Title:	<u>Attorney-in-Fact</u>
Date:	<u>September 7, 1989</u>

A:M922287A.JWD(2)



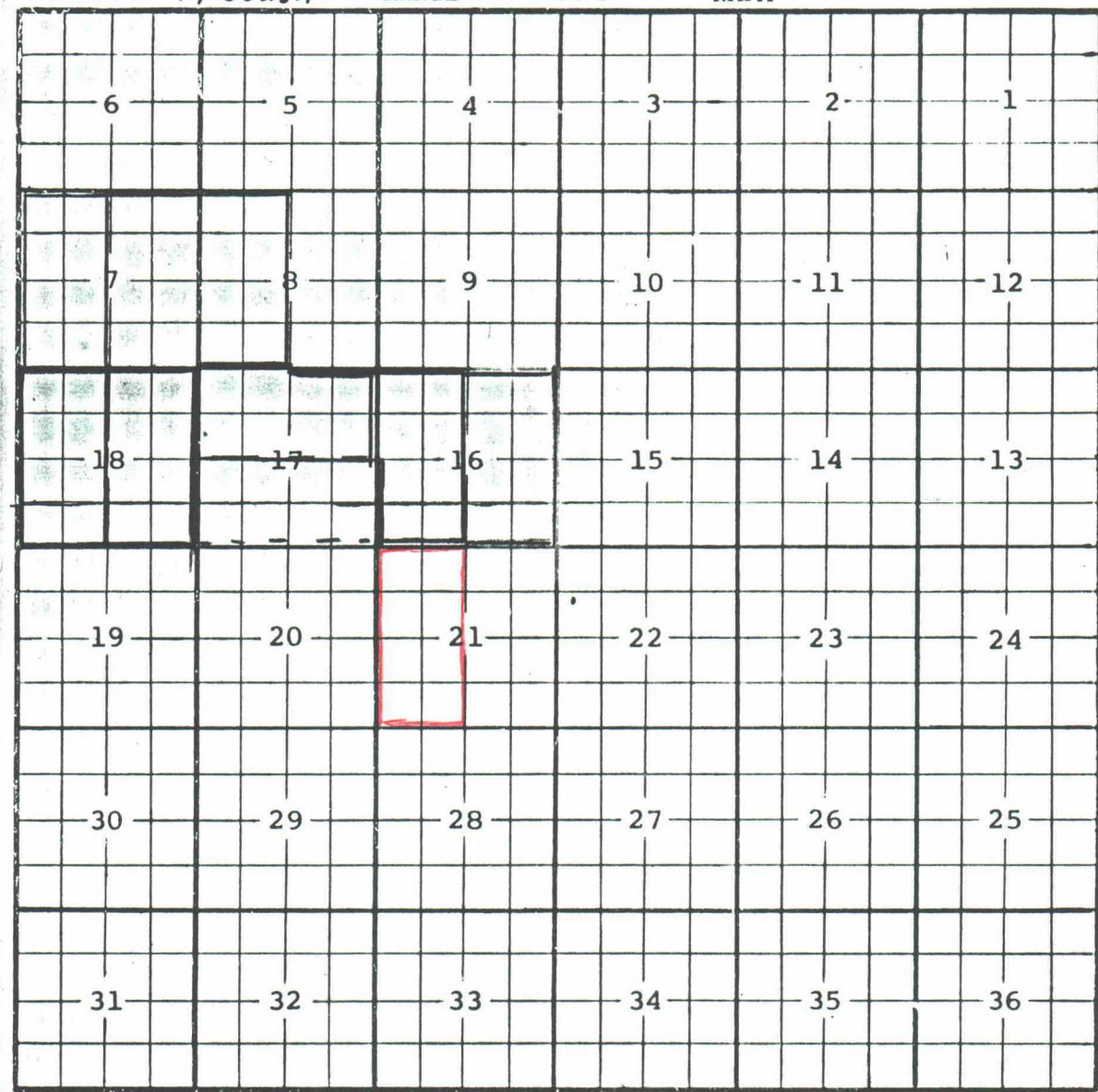
COUNTY Lea

POOL Atoka - Morrow Gas
North Vacuum - Morrow Gas

TOWNSHIP 17 South

RANGE 35 East

NMPM



Ext: $\frac{W}{2}$ Sec. 18 (R-4351, 8-1-72) - $\frac{E}{2}$ Sec. 18 (R-4486, 3-1-73)

Ext: $\frac{W}{2}$ Sec 7 (R-4861, 11-1-74) Ext: $\frac{E}{2}$ Sec 7, $\frac{W}{2}$ Sec 8. Vertical limits extended to include Atoka Formation and pool

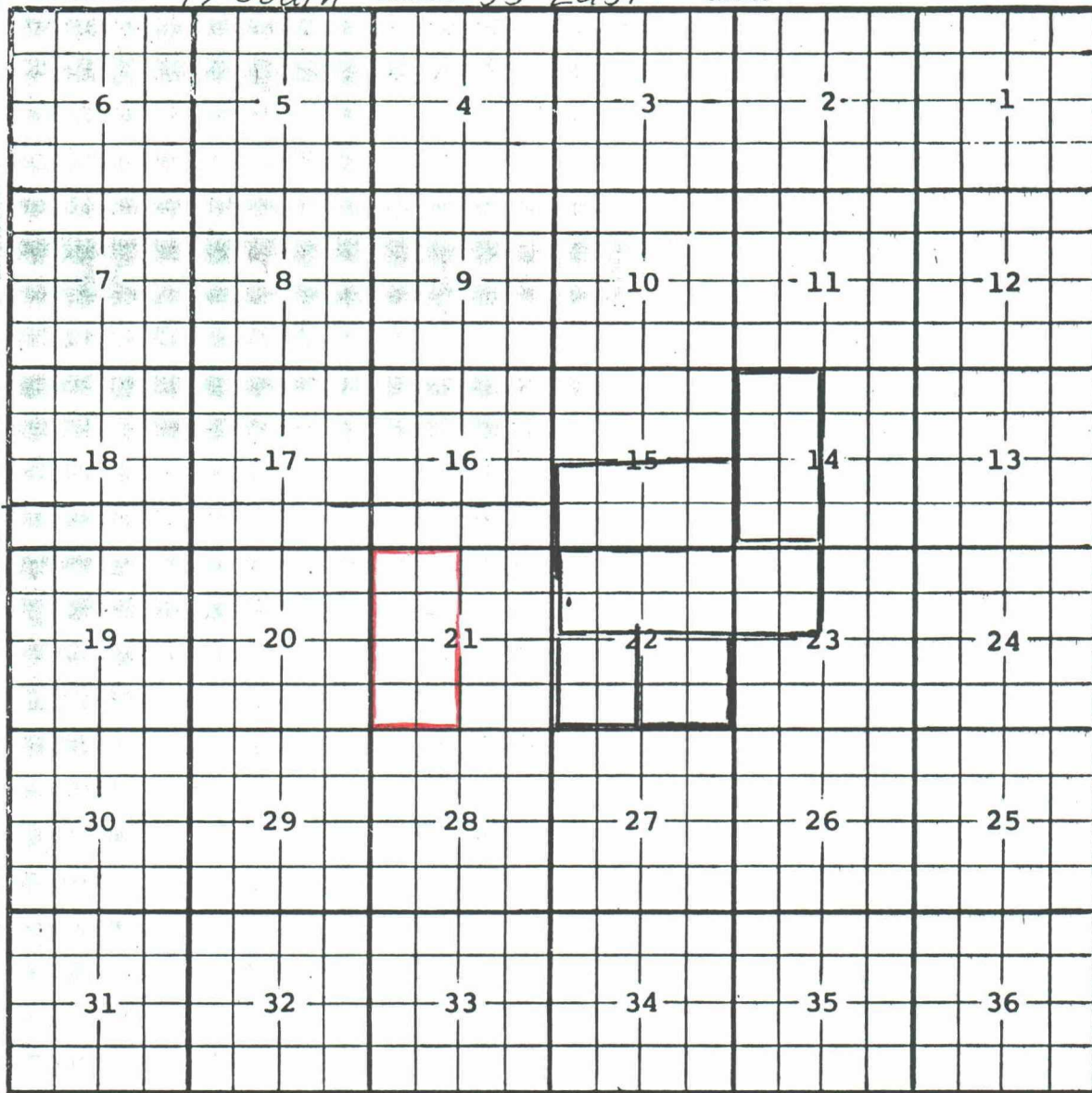
redesignated North Vacuum - Atoka - Morrow Gas (R-5334, 12-1-76)

Ext: $\frac{N}{2}$ SEC 17 (R-8533, 10/28/87) Ext: $\frac{W}{2}$ SEC 16 (R-8667, 6/10/88)

Ext: $\frac{E}{2}$ sec 16 (R-8856, 1-25-89)

COUNTY Lea POOL South Shoe Bar-Atoka Gas

TOWNSHIP 17 South RANGE 35 East NMFM



Description: W/2 Sec. 14 (R-7714, 11-7-84)

Ext: N/2 Sec. 22, NW/4 Sec. 23 (R-8214, 5-1-86) EXT: 1/2 SEC 15 (R-8603, 7-19-88)

EXT: SW/4 sec 22 (R-8901, 4-1-89) EXT: SE/4 sec 22 (R-8946, 7-1-89)

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

Case 9261

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B2956

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator Mobil Producing TX & NM Inc.	8. Farm or Lease Name State "L"
3. Address of Operator 9 Greenway Plaza, Suite 2700, Houston, TX 77046	9. Well No. 4
4. Location of Well UNIT LETTER D, 660 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE, SECTION 21 TOWNSHIP 17S RANGE 35E NMPM.	10. Field and Pool, or Wildcat North Vacuum Abo
15. Elevation (Show whether DF, RT, GR, etc.) NA	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

The above well casinghead was dug out; inspected and approved by Jack Griffin, NMOCD Rep.

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

SIGNED <u>Sandra J. Barlow</u>	TITLE <u>Authorized Agent</u>	DATE <u>6-10-87</u>
APPROVED BY <u>Jack Griffin</u>	TITLE <u>OIL & GAS INSPECTOR</u>	DATE <u>JUN 16 1987</u>
CONDITIONS OF APPROVAL, IF ANY:		

OIL CONSERVATION DIVISION

P. O. BOX 2038

SANTA FE, NEW MEXICO 87501

JUN - 4 1987

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	5
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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	State ☒ Fee ☐
5. State Oil & Gas Lease No.	B-2956

1a. TYPE OF WELL	OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION	NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☒ DIFF. RESV. ☐ OTHER ☐

7. Unit Agreement Name	
8. Farm or Lease Name	State "L"

2. Name of Operator	Mobil Producing TX & NM Inc.
---------------------	------------------------------

9. Well No.	4
-------------	---

3. Address of Operator	9 Greenway Plaza, Suite 2700, Houston, TX 77046
------------------------	---

10. Field and Pool, or Wildcat	Undersigned Glorieta
--------------------------------	----------------------

4. Location of Well	UNIT LETTER D LOCATED 660 FEET FROM THE North LINE AND 660 FEET FROM
---------------------	--

12. County	Lea
------------	-----

THE West LINE OF SEC. 21 TWP. 17S RGE. 35E NMPM	
---	--

15. Date Spudded	3-25-73	16. Date T.D. Reached	4-13-73	17. Date Compl. (Ready to Prod.)	5-7-87	18. Elevations (Lif, RKB, RT, GR, etc.)	GR-3960	19. Elev. Casinghead	3960
------------------	---------	-----------------------	---------	----------------------------------	--------	---	---------	----------------------	------

20. Total Depth	9100	21. Plug Back T.D.	8135	22. If Multiple Compl., How Many		23. Intervals Drilled By	Rotary Tools X	Cable Tools	
-----------------	------	--------------------	------	----------------------------------	--	--------------------------	----------------	-------------	--

24. Producing Interval(s), of this completion - Top, Bottom, Name	Glorieta Formation 6480-6488, 6490-6496, 6502-6504, 6512-6516	25. Was Directional Survey Made	No
---	---	---------------------------------	----

26. Type Electric and Other Logs Run		27. Was Well Cored	No
--------------------------------------	--	--------------------	----

28. CASING RECORD (Report oil strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12 3/4	34	250	15	Original Casing Undisturbed	
8 5/8	28	3280	11	" " " "	
5 1/2	17	9100	7 7/8	" " " "	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	8088	6433

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Perf Glorieta Form W/2 JSPF @ 6480-88, 6490-96, 6502-04 & 6512-16 (44 holes).	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	8135'	Set 5 1/2" CIBP
	6480-6516	Aczd W/5000 gal 15% Ne Fe
		HCL + 90 RCNBS.

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
None		2" x 1 1/2" x 20' Pump				Shut-in 5-12-87	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Shut-in	NA

35. List of Attachments	
C103	

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED	<u>Bladys M. Sultana</u>	TITLE	Authorized Agent	DATE	5-27-87
--------	--------------------------	-------	------------------	------	---------

OIL CONSERVATION DIVISION

P.O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-103
Revised 10-1-78

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OPERATOR	

JUL - 1 1987

3a. Indicate Type of Lease
State ☒ Fee ☐
3. State Oil & Gas Lease No.
B-2956

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REEVALUATE OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER	7. Unit Agreement Name
2. Name of Operator Mobil Producing TX & NM Inc.	8. Firm or Lease Name State "L"
3. Address of Operator 9 Greenway Plaza, Suite 2700, Houston, TX 77046	9. Well No. 4
4. Location of Well UNIT LETTER <u>D</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>21</u> TOWNSHIP <u>17S</u> RANGE <u>35E</u> NMPM.	10. Field and Pool, or Wildcat Undesignated Glorieta
15. Elevation (Show whether DF, RT, GR, etc.) GR-3960	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING EASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPER. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER EASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER <u>Plug back / temporarily abandon</u> ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1183.

4-30-87 MIRU X-Perf WS. POH W/rods & pump.

5-1-87 POH W/2 7/8" tbg & pkr. RIH W/bit, CS & 2 7/8" + 2 3/8" tbg set @ 8130' W/30,000# Wt. Pump 150 bbl. fr wtr down 5 1/2" csg.

5-4-87 POH W/2 7/8" & 2 3/8" tbg & CS. RIH W/5 1/2" CIBP set @ 8135', perf 5 1/2" csg - Glorieta formation W/2 JSPF @ 6480-88, 6490-96, 6502-04 & 6512-16 (44' holes). RIH W/2 3/8" tbg & pkr set @ 6404 - test tbg 6000#.

5-5-87 Load 5 1/2" csg W/110 bbls fr wtr & PT. csg/500#/held OK. Aczd Glorieta perfs 6480-6516 W/5000 gal 15% Ne Fe HCL + 90 RCNBS.

5-6-87 POH W/2 3/8" tbg & pkr. RIH W/SN @ 8056, pkr @ 6433, 198 jts 2 3/8" tbg set @ 8088, rods & 2" x 1 1/2" x 20' pump.

5-7-87 Load tbg W/10 BFW & press to 500#/held OK. RD & Rel X-Perf WS & turned well to production for testing.

5-8-87 thru 5-11-87 Well on test.

5-12-87 Shut-in well for study. Request authority to retain this well in a temporarily abandoned status.

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

SIGNED <u>Gladys M. Sulewa</u>	TITLE <u>Authorized Agent</u>	DATE <u>5-27-87</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>DISTRICT 1 SUPERVISOR</u>	DATE <u>JUN 2 1987</u>
CONDITIONS OF APPROVAL, IF ANY:		

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE ☒	FEE ☐

5. State Oil & Gas Lease No.
B-2956

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work				7. Unit Agreement Name	
b. Type of Well DRILL ☐ DEEPEN ☐ PLUG BACK ☒ OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐				8. Farm or Lease Name	
2. Name of Operator Mobil Producing TX. & N.M., Inc.				9. Well No.	
3. Address of Operator P.O.Box 633, Midland, Tx. 79702				10. Field and Pool, or Wildcat	
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>21</u> TWP. <u>17S</u> RGE. <u>35E</u> NMPM				Undesignated Glorieta	
				12. County	
				Lea	
				19. Proposed Depth	
				8765'	
				19A. Formation	
				Glorieta	
				20. Rotary or C.T.	
				Work Over	
21. Elevations (Show whether DF, RT, etc.)		21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
3960' GL		Blanket on file		Unknown	
				22. Approx. Date Work will start	
				April 28, 1987	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	12 3/4"	34#	250'	400Sx.	Surface/Circulate
11"	8 5/8"	28#	3280'	1600Sx.	Surface/Circulate
7 7/8"	5 1/2"	17#	9100'	2500Sx.	Surface/Circulate

We are requesting permission to plug back from the Vacuum Abo @ 9100' as follows:

- (1) POH w/rods; NU BOP; POH w/tbg.;
- (2) Set 5 1/2" CIBP @ ± 8765';
- (3) Perforate @ 6480'-6488', 6490'-6496', 6502'-6504' and 6512'-6516';
- (4) Set treating pkr. @ ±6400' and tst tbg. to 5500 psi.;
- (5) Acidize Glorieta perfs w/5000 gals. 15% NEFE HCL acid + 90 7/8" RCNBS (S.G.= 1.3);
- (6) Put well on pump and return to production.

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 C. A. Moore for Title M.E. Sweeney, Env. & Reg., Mgr. Date 04/22/87
(This space for State Use)

APPROVED BY Gerry TITLE DISTRICT 1 SUPERVISOR DATE APR 24 1987
CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

workover

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

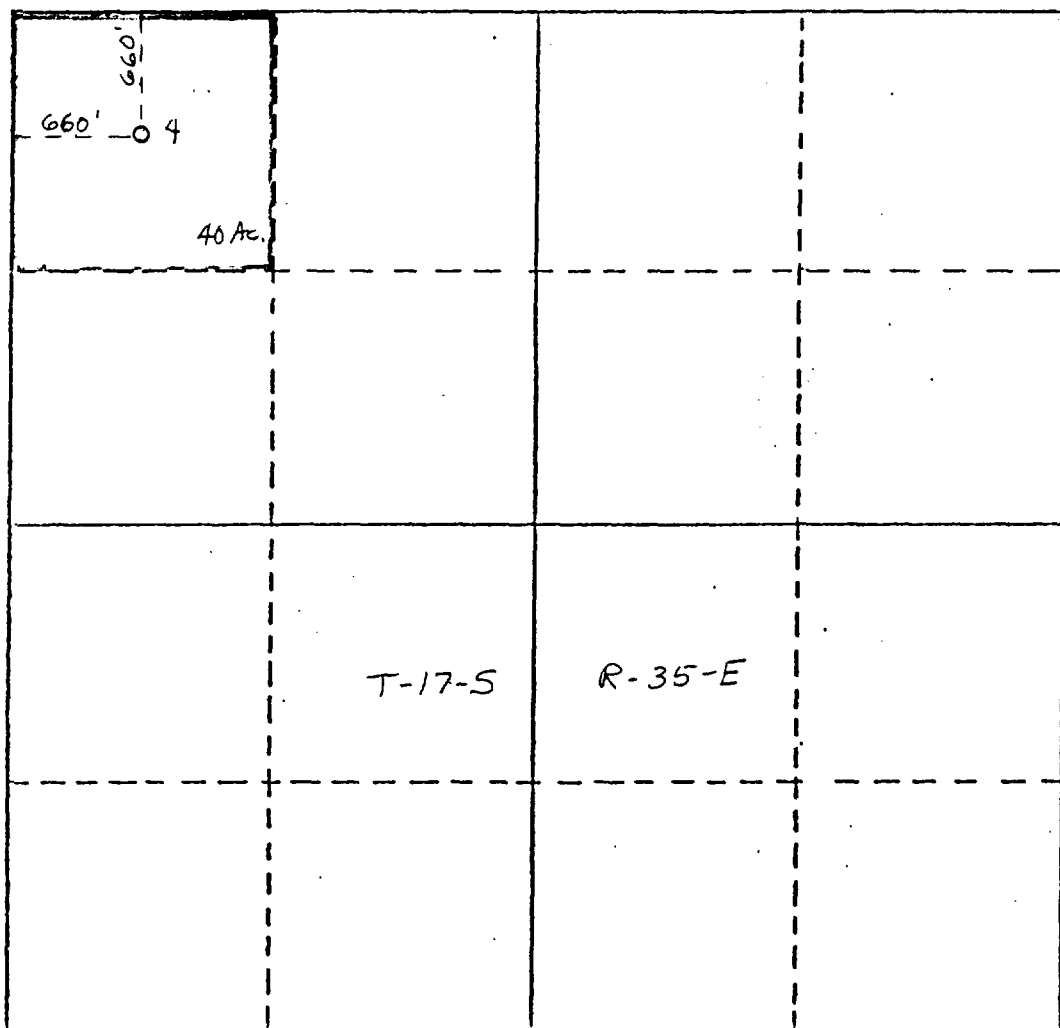
Operator Mobil Producing TX. & N.M., Inc.		Lease State L		Well No. 4
Unit Letter D	Section 21	Township 17-S	Range 35-E	County Lea
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the West line				
Ground Level Elev. 3960	Producing Formation Glorieta	Pool Undesignated	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division.



CERTIFICATION

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

C.A. Moore for

Name M.E. Sweeney
Env. & Reg., Manager

Position

Mobil Producing TX & N.M. Inc.

Company

04/22/87

Date

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

03/13/73

Registered Professional Engineer
and/or Land Surveyor

John H. Seery, Jr.

Certificate No.

3572

Case 9761

DAILY DRILLING REPORT

STATE "L" #4

STATE "L" #4, 660' FNL & 660' FWL Sec 21, T-17-S, R-35-E, Lea Co, NM. OBJECTIVE: Drill and complete single Abo oil well.

3/15/73 Bldg pad and road, drlg contract awarded to Marcum Drlg Co.

STATE "L" #4
3/16 Bldg pad & road.

STATE "L" #4
3/17 Bldg pad & road.
3/18 & Bldg pad & road - WOR.
3/19

STATE "L" #4
3/20 Bldg pad & road, WOR.

STATE "L" #4
3/21 Bldg pad & road, WOR.

STATE "L" #4
3/22 Bldg pad & road, WOR.

STATE "L" #4
3/23 WORT.

STATE "L" #4
3/24 Marcum Drlg. Co. RURT - 75% RU.

3/25 257' ND Redbed, 17½ hole, 1/4° @ 250, Nat. Mud
Ran 6 jts 12-3/4" 34# csg, Dowell Chem.
Co. cmtd @ 257' w/ 400 sx Class H cmt,
2% CaCl₂, 1/4# Cel Flakes/ sx, PD 8:30 p.m.
CST 3-24-73, Cmt circ., Marcum Drlg. Co.
spudded @ 1:00 p.m. 3-24-73.

STATE "L" #4
3/26 1791 drlg anhy, 11" hole, 3/4° @ 1700, Br Wtr.
WOC - total of 18 hrs.

STATE "L" #4
3/27 3031' drlg anhy, 11" hole - 1-3/4° @ 2880 Br Wtr & Oil,
4% Oil

STATE "L" #4
3/28 3240 WOC on 8-5/8 csg, 11" hole, ½ @ 3240, Br Wtr & Oil, 5% oil
circ @ 3240/1 hr, LD DP & DC's, ran 79 jts 8-5/8 28# ST&C
LB Foster csg, Dowell cmtd @ 3240 w/ 1400x TLW 7½# salt/x +
200x Class C 2.6# salt/x, PD @ 11:30 p.m. 3/27/73, cmt circ, WOC.

STATE "L" #4
3/29 (5) 3403 drlg anhy, 7-7/8" hole, NND, Fr Wtr.
WOC a total of 24 hrs, tested csg & BOP 1000#/30 min/held ok.

- STATE "L" #4
3/30 (6) 4056 drlg lm & anhy, 7-7/8" hole, ½ @ 3750. Fr Wtr.
- STATE "L" #4
3/31 (7) 4535 drlg lm, 7-7/8" hole, 1½ @ 4390. Fr Wtr.
- 4/2 (9) 5608 drlg lm, 7-7/8" hole, 1° @ 5096. Fr Wtr.
- STATE "L" #4
4/3 (10) 6182 drlg lm, 7-7/8" hole, 1½ @ 6029. Fr Wtr.
- STATE "L" #4
4/4 (11) 6800 drlg lm, 7-7/8" hole, NND. Fr Wtr.
- STATE "L" #4
4/5 (12) 7262 drlg lm, 7-7/8" hole, 1½ @ 7118. Fr Wtr.
- STATE "L" #4
4/6 (13) 7604 ND lm, 7-7/8" hole, 1° @ 7600, Fr Wtr.
fishing for cone & bit shank past 5 hrs w/ 7-5/8 magnetic
bskt.
- STATE "L" #4
4/7 (14) 7872 drlg lm, 7-7/8" hole, NND, Fr Wtr.
4 add'l hrs fish & rec cone & bit shank.
- 4/9 (16) 8564 drlg lm, 7-7/8" hole, NND. Fr Wtr.
- STATE "L" #4
4/10 (17) 8909 drlg lm, 7-7/8" hole, NND, Fr Wtr.
now mudding up.
- STATE "L" #4
4/11 (18) 9100 TD lm, 7-7/8" hole, ¼ @ 9030, 9.2-34-20.0.
circ past 2½ hrs, prep to LD DP & DC's & run logs & csg.
- STATE "L" #4
4/12 9100 TD lm, 7-7/8" hole, 9.2-34-18.0.
circ ½ add'l hr, P & LD DP & DC's, Dresser-Atlas ran SNP &
GR logs 0-9112, loggers TD, & Lateralog from 3231-9111/11½
hrs, ran 274 jts 9100' 5½ OD 20.0# & 17.0# 8rd csg, prep to cmt.
- STATE "L" #4
4/13 9100 TD, WOC 5½ csg, Dowell cmtd 5½ csg on bottom@ 9100 w/
2300x TLLW cmt w/ ¼# Cellaflake in 1st 1000x + 200x Class C
Neat cmt, PD @ 8:50 a.m. 4/12/73, cmt circ, set slips, cut off
csg, RD & Rel Marcum Drlg Co rig @ 3:00 p.m. 4/12/73, prep to
MOR.
- STATE "L" #4, 9100 TD.
4/14 MOR, prep to MI unit to compl.
- 4/15 MIRU X-Pert Well Serv unit, inst'l BOP, ran 4-5/8 bit & 5½
csg scraper on 2-3/8 tbg to 9065, SD for nite.
- 4/16 Displ hole w/ lse oil, test 5½ csg w/ 1500#/30 min/ok, spot
500 gals 15% NE acid @ 8870, POH w/ 30 jts of tbg, SD for
high wind.

STATE "L" #4, 9100 TD.

4/17 Finish POH w/ tbg Dresser-Atlas, ran GR-Collar-Corr log from 7540-9062, then perf 5½ csg in the Abo @ 8823-27; 8829-31; 8838-39; 8842-45; 8850-52; 8857-58; 8863-65; 8867-74; & 8880-8883 w/1 JSPF, total of 34 holes, ran Baker 5½ Model R pkr on 2-3/8 tbg set @ 8017, BJ Serv Co displ 500 gals acid into perfs BDTP 3200, TTP 3900, AIR 2.5 BPM, ISIP 3500, 5 min 3000, bled off press, reset pkr @ 8777, S 23 BLO/1 hr, 4000' FIH, SD for nite.

- 22 BLO + 12 BAW

STATE "L" #4, 9100 TD.

4/18 S 19 BLO & tr of acid wtr/2 hrs, sw dry/1 hr, BJ Serv Co acidized perfs 8823-8883 w/ 10,000 gals 15% NE acid containing 5#/1000 gals friction reducer, used 40 RCNBS, TTP 5800-4500, AIR 6.0 BPM, ISIP 3000, 5 min 3000, job compl @ 12:00 noon 4/17/73, S 35 BLO + 150 BAW/18 hrs, 1800' FIH, NS of gas, L hr sw 5 bbls, S/O tr of oil, cont to sw test.

- 4 BLO + 102 BAW.

STATE "L" #4, 9100 TD.

4/19 S 4 BLO + 16 BNO + 30 BAW/12 hrs, 1200' FIH, sl sh of gas, L hr sw 5 bbls, S/O 15% oil, SD for nite.

- 72 BAW.

STATE "L" #4, 9100 TD.

4/20 S 4 BNO + 19 BAW/2½ hrs, 2800-1000' FIH, S/O 15% oil, P & LD 54 jts 2-3/8 tbg, SD for high wind.

- 51 BAW.

4/21 Finish POH, ran 2-3/8 tbg, OP to 9056, T. Perfs 9023-26, SN @ 9022, Baker AC set @ 8801 w/ 20,000# T, total of 229 jts 2-3/8 tbg + 62 jts 1920' 2-7/8 tbg on top, inst'l wellhead, ran pump on 90 - 3/4 rods, SD for nite.

- 170 BLO + 53 BAW.

4/23 Finish running pump to SN @ 9022, spaced out, clamped off, RD, Rel unit & Rel well to Prod @ 3:00 p.m. 4/21/73.

- 170 BLO + 53 BAW.

4/23 Set PU, connecting well, WO Lea Co Coop Elec. - 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/24 WO Lea Co Coop for elec.

- 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/25 WO Lea Co Coop for elec (rain storm).

- 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/26 WO Lea Co Coop for elec (rain storm).

- 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/27 P 120 BLO + 38 BLW/17 hrs.

- 50 BLO + 15 BLW.

STATE "L" #4, 9100 TD.

4/30 P 50 BLO + 165 BNO + 15 BLW + 84 BSW/3 days. All Load Rec.

STATE "L" #4, 9100 TD.

5/1 P 41 BNO + 3 BSW/24 hrs.

5/2 STATE "L" #4, 9100 TD
 P 31 BNO + 35 BSW/ 24 hrs.

5/3 STATE "L" #4, 9100 TD.
 P 30 BNO + 23 BSW/24 hrs.

5/4 STATE "L" #4, 9100 TD.
 P 22 BNO + 16 BSW/24 hrs.

5/7 STATE "L" #4, 9100 TD.
 P 63 BNO + 49 BSW/3 days.

5/8 STATE "L" #4, 9100 TD.
 P 11 BNO + 13 BSW/24 hrs, No FIH.

5/9 STATE "L" #4, 9100 TD.
 P 8 BNO + 16 BSW/24 hrs.

5/10 STATE "L" #4, 9100 TD.
 P 13 BNO + 13 BSW/24 hrs.

5/11 STATE "L" #4, 9100 TD.
 P 6 BNO + 8 BSW/24 hrs.

5/14 STATE "L" #4, 9100 TD.
 P 8 BNO + 6 BSW/3 days, prep to pull pump.

5/15 STATE "L" #4, 9100 TD.
 Pulled rods and changed pump,
 P 0 BO + 5 BSW/16 hrs, pumped off (750' FIH when pump run).

5/16 STATE "L" #4, 9100 TD.
 SI 16 hrs, P 0 BO + 0 BW/8 hrs, prep to pull test tbg.

5/17 STATE "L" #4, 9100 TD.
 Pulling rods and tbg.

5/18 STATE "L" #4, 9100 TD.
 Finished pulling rods and tbg, tested and ran tbg (found one
 bad jt, 3 collar leaks), ran rods and pump, POP.

5/21 STATE "L" #4, 9100 TD.
 P 29 BNO + 49 BSW/2 days.

5/22 STATE "L" #4, 9100 TD.
 P 11 BNO + 16 BSW/24 hrs.

5/23 STATE "L" #4, 9100 TD.
 P 16 BNO + 36 BSW/24 hrs.

5/24 STATE "L" #4, 9100 TD.
 P 19 BNO + 19 BSW/24 hrs.

5/25 STATE "L" #4, 9100 TD
 P 20 BNO + 13 BSW/ 24 hrs.

5/29 STATE "L" #4, 9100 TD
 P 39 BNO + 23 BSW/ 4 days.

STATE "L" #4, 9100 TD
5/30 P 13 BNO + 8 BSW/ 24 hrs.

STATE "L" #4, 9100 TD
5/31 P 13 BNO + 16 BSW/ 24 hrs.

STATE "L" #4, 9100 TD
6/1 P 16 BNO + 16 BSW/ 24 hrs.

STATE "L" #4, 9100 TD.
6/4 P 32 BNO + 32 BSW/3 days.

STATE "L" #4, 9100 TD.
6/5 P 9 BNO + 8 BSW/24 hrs.

STATE "L" #4, 9100 TD.
6/6 P 8 BNO + 9 BSW/24 hrs.

STATE "L" #4, 9100 TD.
6/7/73 NM OCC POT: P 8 BNO + 8 BSW/24 hrs, 8 - 1½ x 86 SPM,
POTENTIAL GOR 1096/1, Grav 36.5 @ 60, Allow 8 (NP), Top 355,
Cap 8, Compl 4/17/73.
FINAL REPORT.

5/30 STATE "L" #4, 9100 TD.
 P 13 BNO + 8 BSW/24 hrs.
 5/31 STATE "L" #4, 9100 TD.
 P 13 BNO + 13 BSW/24 hrs.
 6/1 STATE "L" #4, 9100 TD.
 P 15 BNO + 15 BSW/24 hrs.
 6/4 STATE "L" #4, 9100 TD.
 P 32 BNO + 32 BSW/3 days.
 6/5 STATE "L" #4, 9100 TD.
 P 9 BNO + 8 BSW/24 hrs.
 6/6 STATE "L" #4, 9100 TD.
 P 8 BNO + 9 BSW/24 hrs.
 6/7/73 STATE "L" #4, 9100 TD.
 NM OCC POT: P 8 BNO + 8 BSW/24 hrs, 8 - 14 x 80 BSW.
 POTENTIAL GOR 1096/1, Grav 36.5 @ 60, Allow 8 (NP), Top 353.
 Cap 8, Compl 4/17/73.
FINAL REPORT.

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Depth (feet)	Direction (degrees)	Displacement (feet)	Displacement (feet)
250	1/4	1.10	
740	3/4	6.45	7.55
1450	3/4	6.55	14.10
1750	3/4	6.70	20.80
2210		6.80	27.60
3060	1/2	7.00	34.60
4750	1/2	7.25	41.85
5050	1	21.55	63.40
5070	1 1/4	24.31	87.71
7110	1 1/2	28.80	116.51
7600	1	8.44	124.95
8030	1/4	6.25	131.20
		Total displacement	131.20

During the run in depth, distance to the nearest fathoms was determined by means of a depth sounder of known accuracy of indication data.

I hereby certify that I have personal knowledge of the facts and figures given above, and that same information given above is true and complete.

[Signature]
Signature

[Signature]
Comptroller

State of Texas }
County of Midland }

Before me, the undersigned, a Notary Public in and for said County and State, the personally appeared ERNEST HENDERSON, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS 17 DAY OF February, 1924.

By Commission Expires ILLEGIBLE

LAND OFFICE
TRANSPORTER
GAS
REGULATOR
PRODUCTION OFFICE

ILLEGIBLE

RECEIVED
MAY 10 1973

Oil Well
Address: Mobil Oil Corporation
Box 633, Midland, Texas 79701
Reason for filling (check proper box)
New Well ☐ Change in Transporter of ☐
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Gashead Gas ☐ Condensate ☐
Other (Please explain): Request for test allowable of 500 barrels oil

If change of ownership give name and address of previous owner _____

DESCRIPTION OF WELL AND LEASE
Lease Name: State L Section: 4 Vac also north Kind of Lease: State No. 5-2956
Location: Unit Letter D : 660 Feet From The North Line and 660 Feet From The West Line of Section 21 Township 17-N Range 35-E , NMPM, Lea County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS
Name of Authorized Transporter of Oil ☒ or Condensate ☐
Mobil Oil Corporation (Truck) Address (Give address to which approved copy of this form is to be sent)
Box 633, Midland Texas 79701
Name of Authorized Transporter of Gashead Gas ☐ or Dry Gas ☐
Address (Give address to which approved copy of this form is to be sent) _____
If well produces oil or liquids, give location of tanks. Unit D Sec. 21 Twp. 17-N Rge. 35-E Is gas actually collected? No When _____

If this production is commingled with that from any other lease or pool, give commingling order number: _____

COMPLETION DATA
Designate Type of Completion - (X) Oil Well Gas Well New Well Workover Deepen Plug Back Same Resin. Drill. Resin.
Date Spudded _____ Date Compl. Ready to Prod. _____ Total Depth _____ P.B.T.D. _____
Elevations (D.F., K.A.B., R.T., G.R., etc.) _____ Name of Producing Formation _____ Top Oil/Gas Pay _____ Testing Depth _____
Perforations _____ Depth Casing Shoe _____
TUBING, CASING, AND CEMENTING RECORD
HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed test allowable for this depth or be for full 24 hours)
Date First New Oil Run To Tanks _____ Date of Test _____ Producing Method (Flow, pump, gas lift, etc.) _____
Length of Test _____ Tubing Pressure _____ Casing Pressure _____ Choke Size _____
Actual Prod. During Test _____ Oil - Bbls. _____ Water - Bbls. _____ Gas - MCF _____

GAS WELL
Actual Prod. Test - MCF/D _____ Length of Test _____ Bbls. Condensate/MCF _____ Gravity of Condensate _____
Testing Method (flow, back pr.) _____ Tubing Pressure (Shut-in) _____ Casing Pressure (Shut-in) _____ Choke Size _____

CERTIFICATE OF COMPLIANCE OIL CONSERVATION COMMISSION

LAND OFFICE
TRANSPORTER
OPERATOR
REGISTRATION OFFICE

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

ILLEGIBLE

Address: Mobil Oil Corporation
Box 633, Midland, Texas 79701
REGISTRATION COMMISSION
Request for Test Allowable
500 Bbls oil
Change in Transportation of:
Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☐

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name: State L Well No.: 4 Location: Vacuum abo, North Kind of Lease: State, Federal or Fee State: State
Location:
Unit Letter: D : 660 Feet From The North Line and 660 Feet From The West
Line of Section: 21 Township: 17-S Range: 35-E NE/4, Sec. 660

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil: Mobil Oil Corporation (Trucks) Address: Box 633 Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas: or Dry Gas Address: Box 633 Midland, Texas 79701
If well produces oil or liquids, give location of tanks:
Unit: D Sec.: 21 Twp.: 17S Rge.: 35-E Is gas actually connected? NO

If this production is commingled with that from any other lease or pool, give commingling order number:

V. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Restr.
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.				
Elevation (OD, RAB, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth				
Perforations				Depth Casing Shoe				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		BACKS CEMENT				

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or greater than allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

CERTIFICATE OF COMPLIANCE

OIL CONSERVATION COMMISSION

DISTRIBUTION	
SANTA FE	
FILE	
USCIS	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form No. 1
 Approved by
 Oil & Gas Conservation
 File No. 10-11

54 Instructions on page 10-11-1250
 State File No. 10-11-1250
 113-2956

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-ENTER OR P. O. BACK TO A DIFFERENT RESERVOIR.
 IF APPLICATION FOR PERMIT USE FORM 10-11-1250 FOR SUCH PROPOSAL.

1. OIL WELL ☒	GAS WELL ☐	OTHER ☐
2. OPERATOR <i>Michael Oil Corporation</i>		
3. ADDRESS <i>Box 633, Moriarty, N.M. 87411</i>		
4. LOCATION DATA		
UNIT LETTER <i>D</i>	<i>660</i> FEET FROM THE <i>North</i> LINE AND <i>660</i> FEET FROM	
THE <i>West</i> LINE, SECTION <i>21</i>	TOWNSHIP <i>17S</i>	RANGE <i>35-E</i>
5. Elevation (Show whether DF, RT, GL, etc.) <i>3914 (L.R.)</i>		

6. State Agency Test No.
7. State Agency Test Date
8. State Agency Test Results
9. State Agency Test Location
10. State Agency Test Operator
11. State Agency Test Date
12. State Agency Test Results
13. State Agency Test Location
14. State Agency Test Operator
15. State Agency Test Date
16. State Agency Test Results
17. State Agency Test Location
18. State Agency Test Operator
19. State Agency Test Date
20. State Agency Test Results
21. State Agency Test Location
22. State Agency Test Operator
23. State Agency Test Date
24. State Agency Test Results
25. State Agency Test Location
26. State Agency Test Operator
27. State Agency Test Date
28. State Agency Test Results
29. State Agency Test Location
30. State Agency Test Operator
31. State Agency Test Date
32. State Agency Test Results
33. State Agency Test Location
34. State Agency Test Operator
35. State Agency Test Date
36. State Agency Test Results
37. State Agency Test Location
38. State Agency Test Operator
39. State Agency Test Date
40. State Agency Test Results
41. State Agency Test Location
42. State Agency Test Operator
43. State Agency Test Date
44. State Agency Test Results
45. State Agency Test Location
46. State Agency Test Operator
47. State Agency Test Date
48. State Agency Test Results
49. State Agency Test Location
50. State Agency Test Operator
51. State Agency Test Date
52. State Agency Test Results
53. State Agency Test Location
54. State Agency Test Operator
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62. State Agency Test Operator
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64. State Agency Test Results
65. State Agency Test Location
66. State Agency Test Operator
67. State Agency Test Date
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87. State Agency Test Date
88. State Agency Test Results
89. State Agency Test Location
90. State Agency Test Operator
91. State Agency Test Date
92. State Agency Test Results
93. State Agency Test Location
94. State Agency Test Operator
95. State Agency Test Date
96. State Agency Test Results
97. State Agency Test Location
98. State Agency Test Operator
99. State Agency Test Date
100. State Agency Test Results

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REVEAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☒	OTHER ☐

17. Describe Progress or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and work) SEE RULE 1103.

11-12-73 - Ran 274 ft to 9100' 5-1/2 CT 20.0" + 170" 21
 Csg. with 2300 ft TILW Cont 4 1/4" Circumference in 1"
 1000 ft + 200 ft Gross C. Test Cont Cont Circ.
 Test 5-1/2" 1/2 Csg with 1500#/50 min/O.K

ILLEGIBLE

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

SIGNED *Michael Oil Corporation* TITLE *President* DATE *4-17-74*

Michael Oil Corporation

NO. COPIES RECEIVED	
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U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form 1-13
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ ☐

5. State Oil & Gas Lease No.
B-2956

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL ON TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER	7. Unit Agreement Name
2. Name of Operator Mobil Oil Corporation	8. Name of Lease Name State X
3. Address of Operator Box 633 Midland, Texas 79701	9. Well No. 4
4. Location of Well UNIT 660 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE, SECTION 21 TOWNSHIP 17N RANGE 35-E N.M.P.M.	10. Field and Pool, or Acreage Undetermined
15. Elevation (Show whether DF, RT, GR, etc.) 3960 CR	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
REFORM REMEDIAL WORK ☐ TEMPORARY PLUG BACK ☐ FILL TO ALTER CASING ☐ OTHER ☐	PLUG AND ABANDON ☐ CHANGE PLANS ☐ REMEDIAL WORK ☐ CONFERENCE OR FIELD VISIT ☐ CASING TEST AND CEMENT JOBS ☒ OTHER ☐

17. Describe in brief or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and work) SEE RULE 1103.

STATE "L" #4
3/28 3240 WOC on 8-5/8" csg, 11" hole, @ 3240. Fr. Wtr. & Oil, 57 circ @ 3240/1 hr, LD DP & DC's, ran 79 lbs 8-1/2" 20# SLIC
IB Foster csg, Dowell cased @ 3240 w/ 1410X CLC 2-# SLIC & 200x Class C 2.6# salt/s, PD @ 11:30 p.m. 3/27/73, cnd circ, WOC

STATE "L" #4
3/29 (5) 3403 drlg anhy, 7-7/8" hole, NND, Fr Wtr.
WOC a total of 24 hrs, tested csg & BOP 1000#/30 min/held ok.

ILLEGIBLE

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

SIGNED <i>Christine O. Tucker</i>	TITLE <i>Production Clerk</i>	DATE <i>3-29-73</i>
SUPERVISOR <i>[Signature]</i>		NOT I

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-2956

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator
Mobil Oil Corporation
3. Address of Operator
Box 633, Midland, Texas 79701
4. Location of Well
UNIT LETTER *D* *660* FEET FROM THE *North* LINE AND *660* FEET FROM
THE *West* LINE, SECTION *21* TOWNSHIP *17N* RANGE *35-E* NMPM.
5. Elevation (Show whether DF, RL, GR, etc.)
3960 GR

7. Unit Agreement Name
8. Name of Lease Name
State L
9. Well No.
4
10. Field and Pool, or Wildcat
Undesignated
12. County
Lea

6. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUS AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPS. ☒	PLUS AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☒	OTHER ☐

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

STATE "L" #4
3/24 Marcum Drlg. Co. RURT - 75% RU.
3/25 257' ND Redbed, 17 1/2 hole, 1/4" @ 250, Ran 6 jts 12-3/4" 34# csg, Dowell Chem. Co. cmtd @ 257' w/ 400 sx Class H cmt, 2% CaCl2, 1/4# Cel Flakes/ sx, PD 8:30 p.m. CST 3-24-73, Cmt circ., Marcum Drlg. Co. spudded @ 1:00 p.m. 3-24-73. Nat. Mud
3/26 1791 drlg anhy, 11" hole, 3/4" @ 1700, WOC - total of 18 hrs. Br Wtr.

ILLEGIBLE

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

SIGNED *Christine O. Tucker* TITLE *Secretary Clerk* DATE *3-26-73*
APPROVED BY *[Signature]* SUPERVISOR DISTRICT I DATE *MAR 26 1973*
CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-100
Revised 1-1-65

5A. In Rental Type of Lease	
STATE ☒	FEE ☐
5. State Oil & Gas Lease No.	
B-2956	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Total Depth of Well	
b. Type of Well		8. Farm or Lease Name	
DRILL ☒	DEEPEN ☐	State L	
OIL WELL ☒	GAS WELL ☐	9. Well No.	
OTHER	SINGLE ZONE ☒	4	
2. Name of Operator		10. Field and Pool, or Willcat	
Mobil Oil Corporation		Undesignated	
3. Address of Operator		11. County	
P. O. Box 633, Midland, Texas		Lea	
4. Location of Well		12. Kind of Drilling	
UNIT LETTER D LOCATED 660 FEET FROM THE North LINE		Abo	
AND 660 FEET FROM THE West LINE OF SEC. 21 TWP. 17S RGE. 35E		Rotary	
21. Elevation (from mean high tide, etc.)		22. Approx. Date Work will start	
3960' - Ground		3-16-73	
21A. Kind & Status of Log		21B. Drilling Contractor	
On File		Unknown	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	12-3/4"	34#	250'	Circulate	Surface
11"	8-5/8"	28#	3280'	"	"
7-7/8"	5-1/2"	17#	9100'	"	"

ILLEGIBLE

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

DATES 6-15-73

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 March 14, 1973

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I MAR 16 1973

STATE "L" #4, 9100 TD.

- 4/17 Finish POH w/ tbq Dresser-Atlas, ran GR-Collar-Corr log from 7540-9062, then perf 5 $\frac{1}{2}$ csg in the Abo @ 8823-27; 8829-31; 8838-39; 8842-45; 8850-52; 8857-59; 8863-65; 8867-74; & 8880-8883 w/1 JSPF, total of 34 holes, ran Baker 5 $\frac{1}{2}$ Model R pkr on 2-3/8 tbq set @ 8017, BJ Serv Co displ 500 gals acid into perfs BDTP 3200, TTP 3900, AIR 2.5 BPM, ISIP 3500, 5 min 3000, bled off press, reset pkr @ 8777, S 23 BLO/1 hr, 4000' FIH, SD for nite.

- 22 BLO + 12 BAW

STATE "L" #4, 9100 TD.

- 4/18 S 19 BLO & tr of acid wtr/2 hrs, sw dry/1 hr, BJ Serv Co acidized perfs 8823-8883 w/ 10,000 gals 15% NE acid containing 5#/1000 gals friction reducer, used 40 RCNBS, TTP 5800-4500, AIR 6.0 BPM, ISIP 3000, 5 min 3000, job compl @ 12:00 noon 4/17/73, S 35 BLO + 150 BAW/18 hrs, 1800' FIH, NS of gas, L hr sw 5 bbls, S/O tr of oil, cont to sw test.

- 4 BLO + 102 BAW.

STATE "L" #4, 9100 TD.

- 4/19 S 4 BLO + 16 BNO + 30 BAW/12 hrs, 1200' FIH, sl sh of gas, L hr sw 5 bbls, S/O 15% oil, SD for nite.

- 72 BAW.

STATE "L" #4, 9100 TD.

- 4/20 S 4 BNO + 19 BAW/2 $\frac{1}{2}$ hrs, 2800-1000' FIH, S/O 15% oil, P & LD 54 jts 2-3/8 tbq, SD for high wind.

- 51 BAW.

- 4/21 Finish POH, ran 2-3/8 tbq, OP to 9056, T. Perfs 9023-26, SN @ 9022, Baker AC set @ 8801 w/ 20,000# T, total of 229 jts 2-3/8 tbq + 62 jts 1920' 2-7/8 tbq on top, inst'l wellhead, ran pump on 90 - 3/4 rods, SD for nite. - 170 BLO + 53 BAW.

- 4/23 Finish running pump to SN @ 9022, spaced out, clamped off, RD, Rel unit & Rel well to Prod @ 3:00 p.m. 4/21/73.

- 170 BLO + 53 BAW.

- 4/23 Set PU, connecting well, WO Lea Co Coop Elec. - 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

- 4/24 WO Lea Co Coop for elec.

- 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

- 4/25 WO Lea Co Coop for elec (rain storm). - 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

- 4/26 WO Lea Co Coop for elec (rain storm). - 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

- 4/27 P 120 BLO + 38 BLW/17 hrs. - 50 BLO + 15 BLW.

STATE "L" #4, 9100 TD.

- 4/30 P 50 BLO + 165 BNO + 15 BLW + 84 BSW/3 days. All Load Rec.

STATE "L" #4, 9100 TD.

- 5/1 P 41 BNO + 3 BSW/24 hrs.

ILLEGIBLE

- STATE "L" #4
3/30 (6) 4056 drlg 1m & anhy, 7-7/8" hole, 1/2 @ 1750. Fr Wtr.
- STATE "L" #4
3/31 (7) 4535 drlg 1m, 7-7/8" hole, 1 1/2 @ 4390. Fr Wtr.
- 4/2 (9) 5608 drlg 1m, 7-7/8" hole, 1° @ 5096. Fr Wtr.
- STATE "L" #4
4/3 (10) 6182 drlg 1m, 7-7/8" hole, 1 1/2 @ 6029. Fr Wtr.
- STATE "L" #4
4/4 (11) 6800 drlg 1m, 7-7/8" hole, NND. Fr Wtr.
- STATE "L" #4
4/5 (12) 7262 drlg 1m, 7-7/8" hole, 1 1/2 @ 7118. Fr Wtr.
- STATE "L" #4
4/6 (13) 7604 ND 1m, 7-7/8" hole, 1° @ 7600, Fr Wtr.
fishing for cone & bit shank past 5 hrs w/ 7-5/8 magnetic
bskt.
- STATE "L" #4
4/7 (14) 7872 drlg 1m, 7-7/8" hole, NND, Fr Wtr.
4 add'l hrs fish & rec cone & bit shank.
- 4/9 (16) 8564 drlg 1m, 7-7/8" hole, NND. Fr Wtr.
- STATE "L" #4
4/10 (17) 8909 drlg 1m, 7-7/8" hole, NND, Fr Wtr.
now mudding up.
- STATE "L" #4
4/11 (18) 9100 TD 1m, 7-7/8" hole, 1/2 @ 9030, 9.2-34-20.0.
circ past 2 1/2 hrs, prep to LD DP & DC's & run logs & csg.
- STATE "L" #4
4/12 9100 TD 1m, 7-7/8" hole, 9.2-34-18.0.
circ 1/2 add'l hr, P & LD DP & DC's, Dresser-Atlas ran SNP &
GR logs 0-9112, loggers TD, & Lateralog from 3231-9111/11 1/2
hrs, ran 274 jts 9100' 5 1/2 OD 20.0# & 17.0# 8rd csg, prep to cmt.
- STATE "L" #4
4/13 9100 TD, WOC 5 1/2 csg, Howell cmtd 5 1/2 csg on bottom? 9100 w/
2300x TILW cmt w/ 1/2 Cellat-lake in 1st 1000x + 200x Class C
Neat cmt, PD @ 8:50 a.m. 4/12/73, cmt circ, set slips, cut off
csg, RD & Rel Marcum Drlg Co rig @ 3:00 p.m. 4/12/73, prep to
MOR.
- STATE "L" #4, 9100 TD.
4/14 MOR, prep to MI unit to compl. **ILLEGIBLE**
- 4/15 MIRU X-Pert Well Serv unit, inst'l BOP, ran 4-5/8 bit & 5 1/2
csg scraper on 2-3/8 tbg to 9065, SD for nite.
- 4/16 Displ hole w/ ise oil, test 5 1/2 csg w/ 1500#/30 min/ok, spot
500 gals 15% NE acid @ 8870, POR w/ 30 jts of tbg, SD for
high wind.

DAILY DRILLING REPORT

ILLEGIBLE

STATE "L" #4

STATE "L" #4, 660' FNL & 660' FNL Sec 21, T-17-S, R-15-E, Lee Co, NM. OBJECTIVE: Drill and complete single Abo oil well.

3/15/73 Bldg pad and road, drlg contract awarded to Marcum Drlg Co.

STATE "L" #4

3/16 Bldg pad & road.

STATE "L" #4

3/17 Bldg pad & road.

3/18 & Bldg pad & road - WOR.

3/19

STATE "L" #4

3/20 Bldg pad & road, WOR.

STATE "L" #4

3/21 Bldg pad & road, WOR.

STATE "L" #4

3/22 Bldg pad & road, WOR.

STATE "L" #4

3/23 WORT.

STATE "L" #4

3/24 Marcum Drlg. Co. RURT - 75% RU.

3/25 257' ND Redbed, 17½ hole, 1/4° @ 250,
Ran 6 jts 12-3/4" 34# csg, Dowell Chem.
Co. cmtd @ 257' w/ 400 sx Class H cmt,
2% CaCl₂, 1/4# Cel Flakes/ sx, PD 8:30 p.m.
CST 3-24-73, Cmt circ., Marcum Drlg. Co.
spudded @ 1:00 p.m. 3-24-73.

Nat. Mud

STATE "L" #4

3/26 1791 drlg anhy, 11" hole, 3/4° @ 1700,
WOC - total of 18 hrs.

Br Wtr.

STATE "L" #4

3/27 3031' drlg anhy, 11" hole - 1-3/4° @ 2880

Br Wtr & Oil,
4% Oil

STATE "L" #4

3/28 3240 WOC on 8-5/8 csg, 11" hole, ½ @ 3240,
circ @ 3240/1 hr, LD DP & DC's, ran 79 jts 8-5/8 28# ST&C
LB Foster csg, Dowell cmtd @ 3240 w/ 1400x TLW 7½ salt/x +
200x Class C 2.0# salt/x, PD @ 11:30 p.m. 3/27/73, cmt circ, WOC.

Br Wtr & Oil, 5% oil

STATE "L" #4

3/29 (5) 3403 drlg anhy, 7-7/8" hole, WOR.

WOC a total of 24 hrs, tested csg & BOP 1000/30 BOP 1000/30

Fr 1000

Form C-105
Revised 1-1-65

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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOGOIL CONSERVATION COMMISSION
SANTA FE

5a. Indicate Type of Lease	State ☒ Fee
5. State Oil & Gas Lease No.	B-2956

1a. TYPE OF WELL				7. Unit Agreement Name			
b. TYPE OF COMPLETION OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____ NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____				8. Form or Lease Name State L			
2. Name of Operator Mobil Oil Corporation				9. Well No. 4			
3. Address of Operator Box 633, Midland, Texas 79701				10. Field and Pool, or Wildcat Undesignated			
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>21</u> TWP. <u>17-S</u> RGE. <u>35-E</u> NMPM				12. County Lea			
15. Date Spudded 3-24-73	16. Date T.D. Reached 4-13-73	17. Date Compl. (Ready to Prod.) 5-1-73	18. Elevations (DF, RKB, RT, CR, etc.) 3960 GR		19. Elev. Casinghead		
20. Total Depth 9100	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools ☒ Cable Tools	25. Was Directional Survey Made No			
24. Producing Interval(s), of this completion - Top, Bottom, Name 8823-8883 Abo				27. Was Well Cored No			
26. Type Electric and Other Logs Run SNP & GR, Laterolog, GR-Collar-Corr							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD		AMOUNT PULL	
12-3/4	34	257	17-1/2	400 sx			
8-5/8	28	3240	11	1600 sx			
5 1/2	20.0 & 17.0	9100	7-7/8	2500 sx			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	
					2-3/8	9056	
31. Perforation Record (Interval, size and number) 8823-27, 8829-31, 8838-39, 8842-45, 8850-52, 8857-58, 8863-65, 8867-74 8880-8883				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 8823-8883 AMOUNT AND KIND MATERIAL USED 10,000 gals. 15% NE Acid			
33. PRODUCTION							
Date First Production 5-1-73		Production Method (Flowing, gas lift, pumping - Size and type pump) Pump				Well Status (Prod. or Shut-in) Prod.	
Date of Test 6-7-73	Hours Tested 24	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	
				8	8	8	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.) 36.5	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented						Test Witnessed By Bill Cummins	
35. List of Attachments Drilling Summary							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED <u>Christine O. Tucker</u>				TITLE <u>Proration Clerk</u>		DATE <u>6-8-73</u>	

DISTRIBUTION	
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	GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

ILLEGIBLE

I. Operator
Mobil Producing Texas & New Mexico Inc.
Address
9 Greenway Plaza, Suite 2700, Houston, TX 77046
Reason(s) for filing (Check proper box)
New Well ☐ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)
To change Operator name from Mobil Oil Corporation.
(Effective Date: 1-1-1980)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
State "L"	4	North Vacuum Abo	State, Federal or Fee State	B2956
Location				
Unit Letter D	660	Feet From The North	Line and 660	Feet From The West
Line of Section 21	Township 17-S	Range 35-E	N.M. 1	Lea County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)	
Mobil Oil Corporation	#9 Greenway Plaza# 2700 Houston TX 77046	
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)	
Phillips Petroleum Company	Frank Phillips Bldg, Bartlesville, OK 74004	
If well produces oil or liquids, give location of tanks.	Unit D	Sec. 21
	Twp. 17-S	Rge. 35-E
	Is gas actually connected? Yes	

If this production is commingled with that from any other lease or pool, give commingling order number: CIB-244

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

NAME	
U.S.G.S.	
ADDRESS AND OFFICE	
TRANSPORTER	☐ OIL ☐ GAS
OPERATOR	
REGISTRATION OFFICE	

REQUEST FOR ALLOWABLE AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Supersedes Old Form and C-1
Effective 1-1-85

ILLEGIBLE

Mobil Producing TX. & N.M. Inc.
Nine Greenway Plaza, Suite 2700, Houston, Texas 77046

Reason(s) for filing (Check proper box)	Other (Please explain)
New Well ☐	
Completion ☐	
Change in Ownership ☐	
Change in Transporter of: Oil ☒ Gas ☐ Casinghead Gas ☐ Condensate ☐	Effective date June 1, 1982

Change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
State "L"	4	North Vacuum Abo	State, Federal or Fee State	82956
Unit Letter	D	660 Feet From The North Line and 660 Feet From The West		
Line of Section	21	Township 17S	Range 35E	NMPM, Lea County

SIGNATURE OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
International Crude Corporation	2454 Industrial Blvd., Abilene, TX 79605
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
Phillips Petroleum Company	Frank Phillips Bldg., Bartlesville, OK 74004

Well produces oil or liquids, location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	D	21	17S	35E	Yes	

Is production commingled with that from any other lease or pool, give commingling order number: CTB-244

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'y.	Diff. Res'y.
Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
ations (DF, RKB, RT, GR, etc.,)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
ations			Depth Casing Shoe					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Depth of Test	Tubing Pressure	Casing Pressure	Choke Size
Oil Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

WELL

Oil Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Flowing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

CERTIFICATE OF COMPLIANCE

OIL CONSERVATION COMMISSION

FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	☐ OIL ☐ GAS
OPERATOR	
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Superseded by Order and 6-178
Effective 1-1-85



ILLEGIBLE

Mobil Producing TX. & N.M. Inc.	
Address	
Nine Greenway Plaza, Suite 2700, Houston, Texas 77046	
Reason(s) for filing (Check proper box)	
New Well ☐	Change in Transporter of: Oil ☒ Dry Gas ☐
Completion ☐	Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐	Effective date November 1, 1982
Change of ownership give name and address of previous owner	

DESCRIPTION OF WELL AND LEASE			
Lease Name	Well No.	Pool Name	Kind of Lease
State "L"	4	North Vacuum Abo	State, Federal, or Fee State
Location			Lease No. B2956
Unit Letter D	660	Feet From The North	Line and 660 Feet From The West
Line of Section 21	Township 17S	Range 35E	N.M.P.M., Lea County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS			
Designator	Authorized Transporter of Oil ☒ or Condensate	Address (Give address to which approved copy of this form is to be sent)	
JM Petroleum Corporation		2000 N. Tower, Plaza of the Americas, Dallas, TX 75201	
Designator	Authorized Transporter of Casinghead Gas ☒ or Dry Gas	Address (Give address to which approved copy of this form is to be sent)	
Phillips Petroleum Company		Frank Phillips Bldg., Bartlesville, OK 74004	
Well produces oil or liquids, or location of tanks.	Unit D	Sec. 21	Range 17S 35E
Is gas actually transported?	Yes	When	

This production is commingled with that from any other lease or pool. Give commingling order number: CTB-244			
COMPLETION DATA			
Designate Type of Completion - (X)			
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Measurements (DF, RKB, RT, CR, etc.)	Name of Producing Formation	Top of Gas Pay	Taping Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE WELL			
Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.			
Test Method (Flow, Run To Tank, etc.)	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

SHUT-IN WELL			
Prod. During Test - MCF/D	Length of Test	Bbls. Condensate - MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size