

Release Date  
January 21, 1988

By Doc

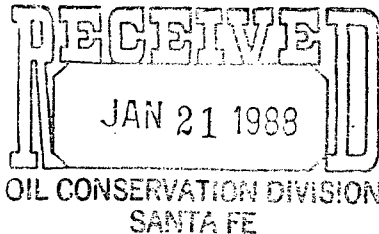
# Mobil Exploration and Producing U.S. Inc.

January 19, 1987

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

P.O. BOX 633  
MIDLAND, TEXAS 79702

MIDLAND DIVISION



7.01  
APPLICATION TO DRILL UNORTHODOX  
AND NON-STANDARD LOCATION  
NORTH VACUUM ABO EAST UNIT ~~2235~~  
WELL #23  
NORTH VACUUM ABO FIELD  
LEA COUNTY, NEW MEXICO

NSL- 2461  
RULE #10 of  
Division Order No.  
R-5801  
North Vacuum Abo  
Pool  
80 Acre  
dedication  
S/2 SW/4  
Section 7

Gentlemen:

Mobil Exploration and Producing U.S. Inc, as agent for Mobil Producing Texas & New Mexico Inc. (MPTM), respectfully requests authority to drill the subject well on a non-standard unit, as an exception to Rule 2 of the North Vacuum Abo Special Field Rules, and seeks approval of the well location under rule 10 of the Special Rules of the North Vacuum Abo East Unit, as set forth in Order #R-5801. The subject well is an unorthodox location due to its being more than 200 feet from the center of the quarter-quarter section in which it is located. The well is within a non-standard unit because Section 7 is an irregular section.

Well #23 is located as follows:

1359' from the west line and 660' from the south line of  
Section 7, T-17-S, R-35-E, Lea County, New Mexico.

Well #14, in the SW quarter of the SW quarter of Section 7, is an uneconomical producer, which is providing inadequate drainage for a prime five spot pattern. In order to complete an efficient production and injection pattern, it is MPTM's intention to drill the subject well and, upon its successful completion, to shut-in well #14.

Under the provisions in Rule 5 of the North Vacuum Abo Special Field Rules and Rule 10 of Special Order #R-5801, the Division Director may grant the requested exceptions administratively. MPTM is the only offset operator to the proposed location and, therefore, requests that administrative approval of this application be granted.

The following items supporting this request are submitted in triplicate:

1. Copy of form C-101 - Application for Permit to Drill, Deepen or Plug Back;
2. Copy of form C-102 - Well Location & Acreage Dedication Plat;
3. Plat showing the Offset Operators and the Proposed Location, together with all Producing or Injection Wells on the Lease.

Should addition information be needed, please call Ann Moore at (915) 688-1772.

Very truly yours,

A handwritten signature in cursive script, appearing to read "M E Sweeney".

M. E. Sweeney  
Environmental and Regulatory Manager

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

CAM

Attachments

cc: NMOCD - Hobbs  
State Land Office - Santa Fe

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

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-1527	

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name North Vacuum Abo East Unit	
2. Name of Operator Mobil Producing TX. & N.M. Inc.		9. Well No. 23	
3. Address of Operator c/o Mobil Exploration & Producing U.S. Inc. P. O. Box 633, Midland, Texas 79702		10. Field and Pool, or Wildcat Vacuum, North Abo	
4. Location of Well UNIT LETTER N LOCATED 1359 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE OF SEC. 7 TWP. 17-S RGE. 35-E NMPM		12. County Lea	
21. Elevations (Show whether DF, RT, etc.) 4011 GL		19. Proposed Depth 9000'	19A. Formation Abo
21A. Kind & Status Plug. Bond Blanket on File	21B. Drilling Contractor Unknown	20. Rotary or C.T. Rotary	
22. Approx. Date Work will start Feb. 15, 1988			

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½	13-3/8	48#	0-400'	400 sx.	Surface
12¼	8-5/8	28 & 32#	0-4800'	3000 sx.	Surface
7-7/8	5½	15.5 & 17#	0-9000'	1000 sx.	Surface

## BLOWOUT PREVENTER PROGRAM

See Attached

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.

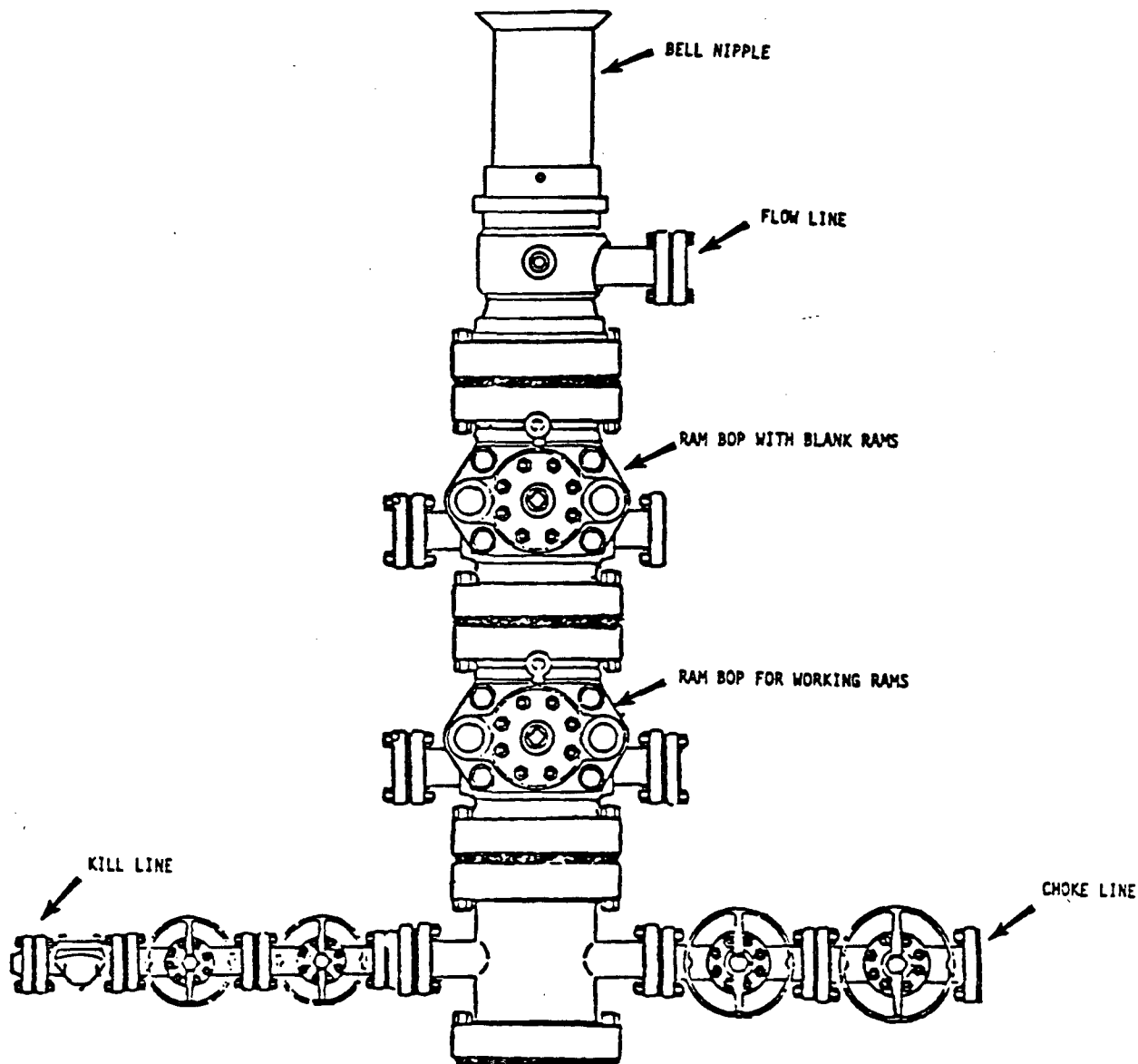
Signed M. E. Sweeney M. E. Sweeney Title Manager Environmental and Regulatory Date 1-18-88

(This space for State Use)

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

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

CONDITIONS OF APPROVAL, IF ANY:



BOP rams will be actuated on each trip of drill pipe and will be tested before drilling the plug on each casing string.

\*NOTE: ALL VALVES ARE METAL-TO-METAL SEAL AND FLANGED. ALL COMPONENTS MUST MEET ABOVE MINIMUM PRESSURE RATINGS. ALL COMPONENTS TO BE TESTED TO RATED PRESSURE AFTER ASSEMBLY AND BEFORE FURTHER DOWNHOLE OPERATIONS MAY BE CONDUCTED.

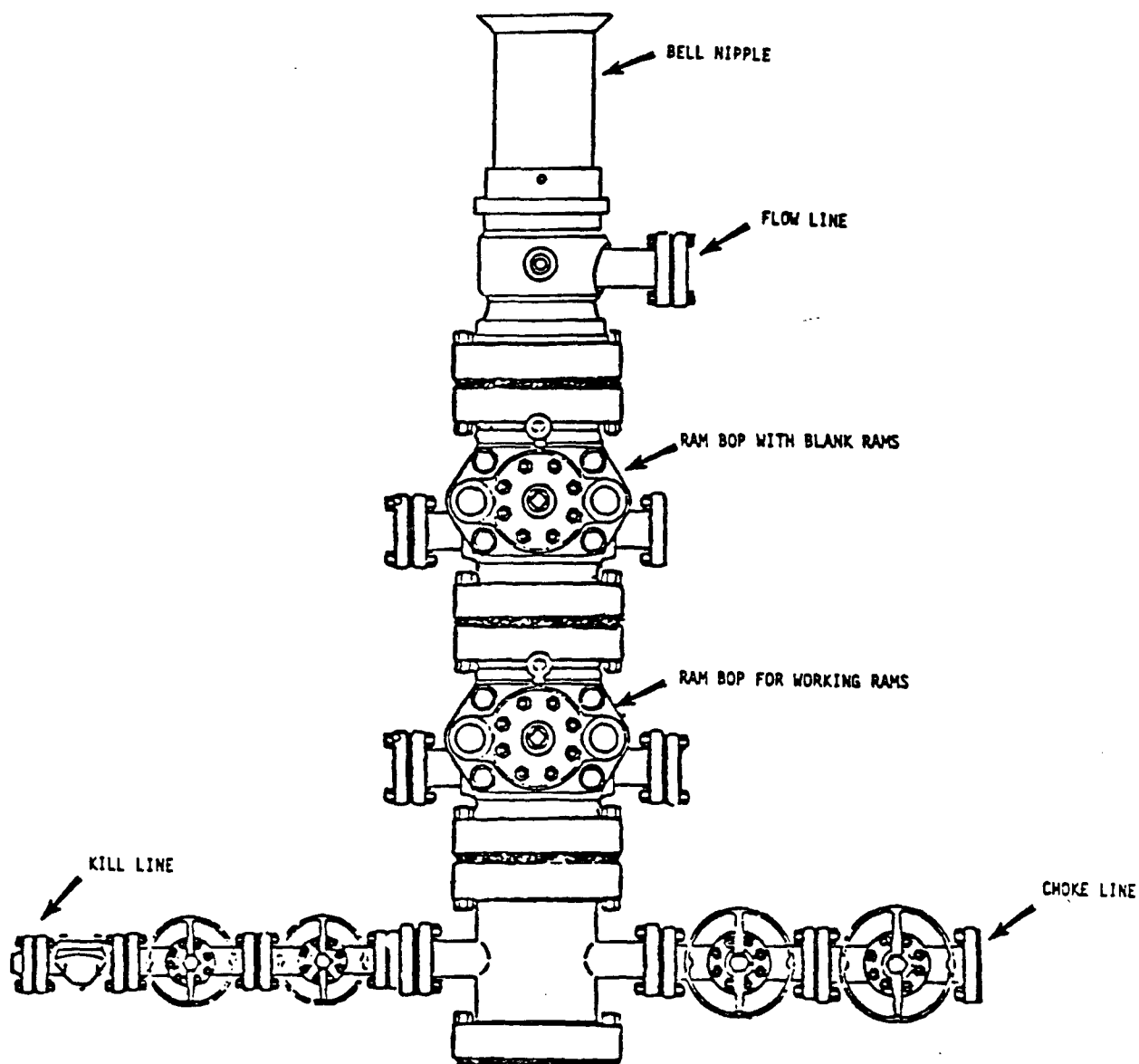
**Mobil Producing  
Texas & New Mexico Inc.  
Houston, Texas**

North Vacuum Abo  
MOBIL NO. 23 East Unit  
(LEASE)  
Lea COUNTY, New Mexico STATE

BLOWOUT PREVENTER ASSEMBLY  
11 IN. 5000 PSI MP\*

Seals

Date  
Drawn  
Checked  
Approved  
Revised



BOP rams will be actuated on each trip of drill pipe and will be tested before drilling the plug on each casing string.

\*NOTE: ALL VALVES ARE METAL-TO-METAL SEAL AND FLANGED. ALL COMPONENTS MUST MEET ABOVE MINIMUM PRESSURE RATINGS. ALL COMPONENTS TO BE TESTED TO RATED PRESSURE AFTER ASSEMBLY AND BEFORE FURTHER DOWNHOLE OPERATIONS MAY BE CONDUCTED.

**Mobil Producing  
Texas & New Mexico Inc.**  
Houston, Texas

MOBIL NO. 23 North Vacuum Abo  
East Unit  
(LEASE)  
Lea COUNTY, New Mexico STATE

BLOWOUT PREVENTER ASSEMBLY

13-5/8IN. 3000 PSI WPO)

Seals

Date  
Drawn  
Checked  
Approved  
Revised

## OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

Operator MOBIL EXPLORATION AND PRODUCING U.S.			Lease NORTH VACUUM ABO EAST UNIT		Well No. 23
Unit Letter N	Section 7	Township 17-S	Range 35-E	County LEA	
Actual Footage Location of Well:					
feet from the		line and		feet from the line	
Ground Level Elev.	Producing Formation Abo		Pool Vacuum, North		Dedicated Acreage: 2 Wells - 80 Acres

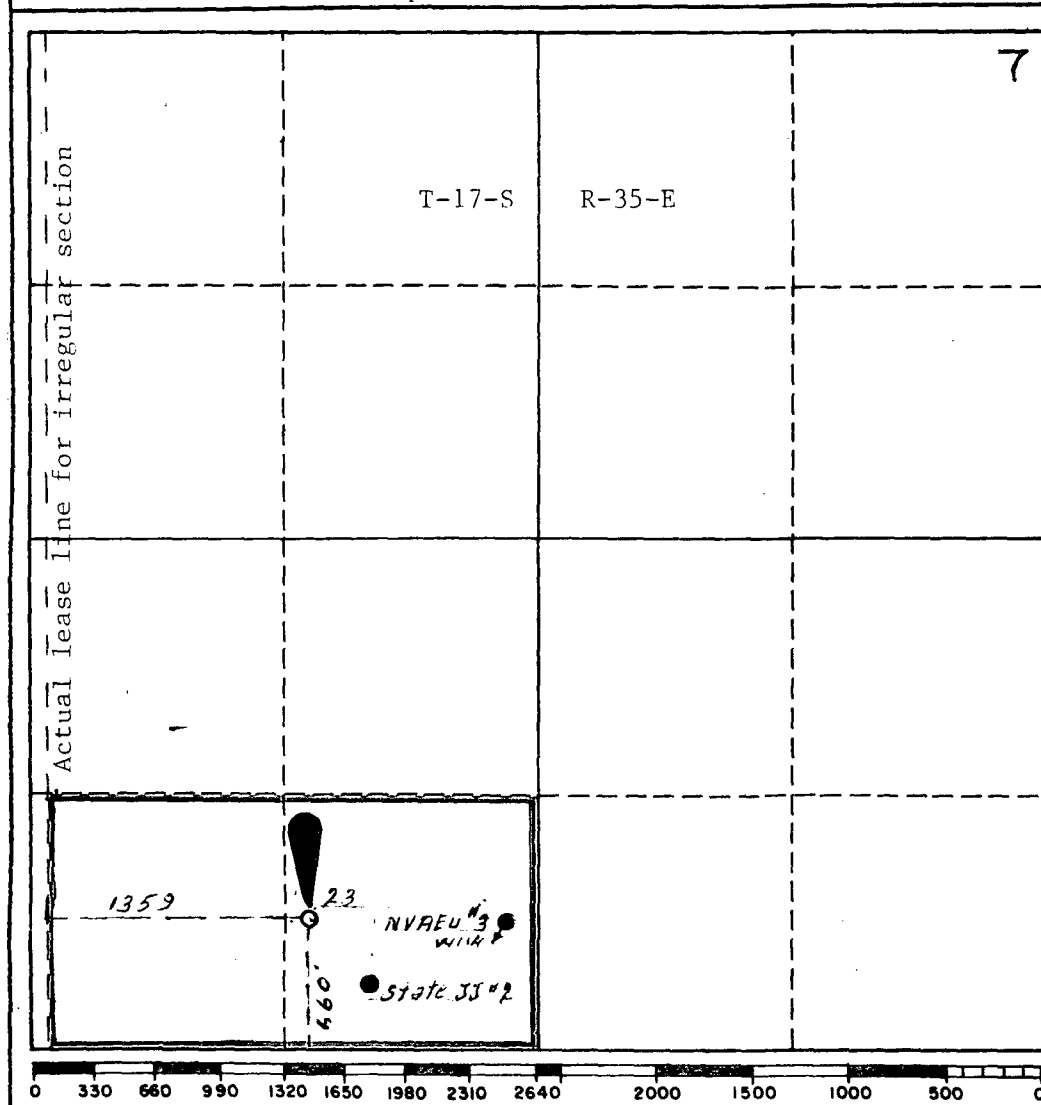
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

All wells in the quarter - quarter are operated by Mobil Producing Texas & New Mexico Inc.



## CERTIFICATION

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

*M. E. Sweeney* M. E. Sweeney  
Name  
Environmental & Regulatory Mgr.  
Position  
Mobil Producing Tx. & N.M. Inc.  
Company c/o Mobil Exploration  
and Producing U.S. Inc.  
Date  
1-18-88

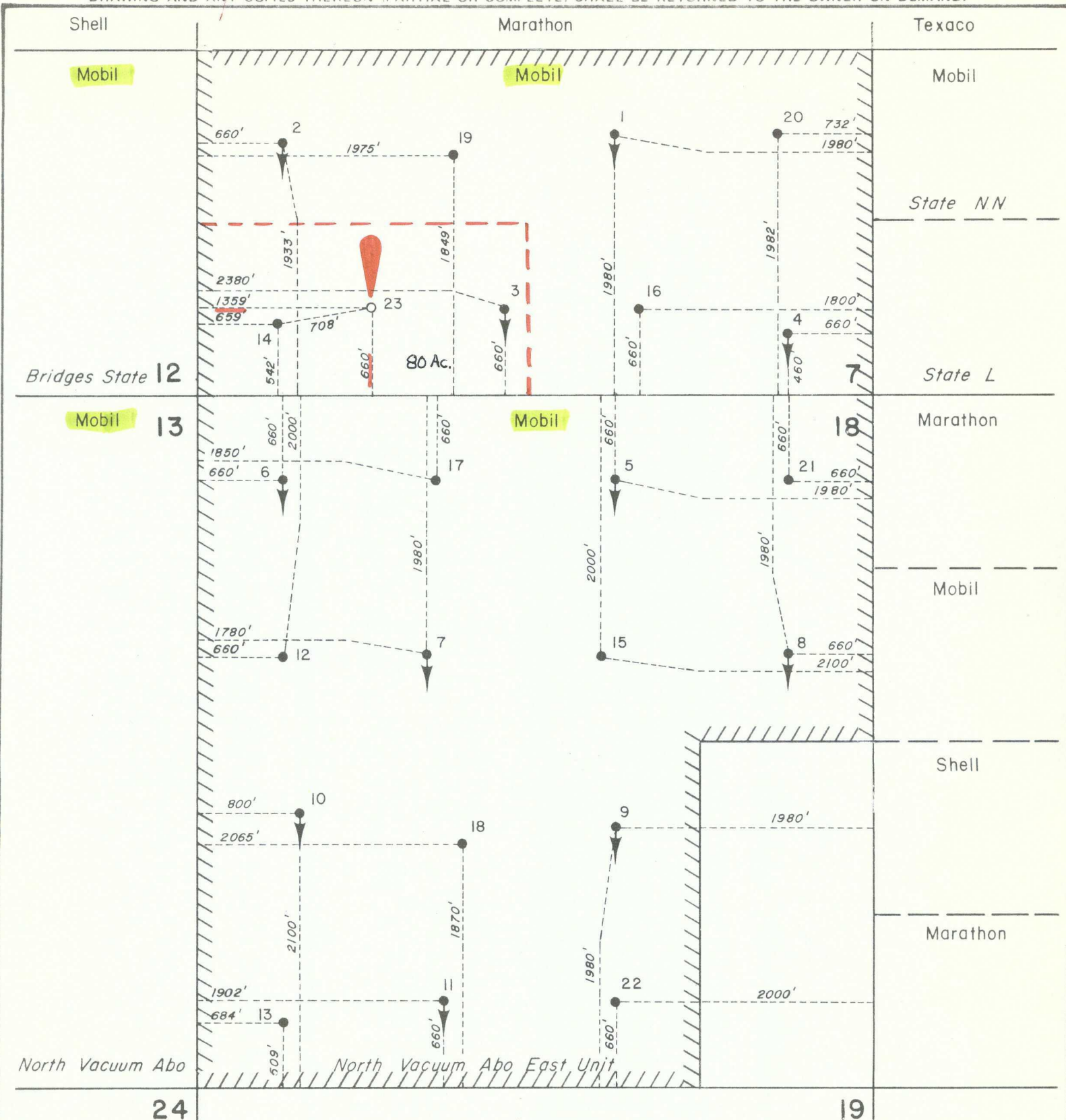
I hereby certify that the well location shown on this plat was plotted from field notes or actual survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
JANUARY 11, 1988  
Registered Professional Engineer  
and/or Land Surveyor

*H. A. Cannon Jr.*  
Certificate No.

5063

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Reserve \_\_\_\_\_ Permit Depth \_\_\_\_\_

Special Instructions Upon successful completion of well #23, well #14 will be P & A'd.

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 North Vacuum Abo East Unit

WELL NO. 23 DATE 1-19 19 87

LEASE NO.

TOTAL ACRES IN LEASE 865.74 ACRES COVERED BY PLAT 865.74

DESCRIPTION S 1/2 of Sec. 7 and all of Sec. 18 less the SE 1/2 of the SE quarter, T-17-S, R-35-E

3 miles North of Buckeye

Lea County, N.M.

DRAWN A.L.W.

DATE 1-15-88

FIELD Vacuum, North

SCALE 1"=1000'

FILE NO. 10

(Abo)

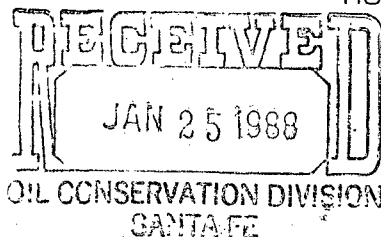


STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

GARREY CARRUTHERS  
GOVERNOR



1-22-88

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 393-6161

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

RE: Proposed:

MC	_____
DHC	_____
NSL	<u>X</u> _____
NSP	_____
SWD	_____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

Mobil Prod. Tx & Nm Inc. n. Vacuum Abs East at #23-N 7-17-35  
Operator \_\_\_\_\_ Lease & Well No. \_\_\_\_\_ Unit \_\_\_\_\_ S-T-R \_\_\_\_\_

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton  
Supervisor, District 1

/ed