

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

MESA PETROLEUM CO.

## 3. ADDRESS OF OPERATOR

1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1980' FSL &amp; 660' FEL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10 MILES NORTH/NORTHWEST OF ROSWELL

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

660'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

## 16. NO. OF ACRES IN LEASE

2306

## 19. PROPOSED DEPTH

3700'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 20. ROTARY OR CABLE TOOLS

ROTARY

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3956.6' GR

## 22. APPROX. DATE WORK WILL START\*

JUNE 15, 1981

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	1000'	SUFFICIENT TO RAISE TO SURFACE
7 7/8"	4 1/2"	10.5#	3700'	SUFFICIENT TO ISOLATE ALL WTR, O&G

Propose to drill 12 1/4" hole on air or foam as required to 1000' or deeper to set 8 5/8" surface casing. Will cement to surface, reduce hole to 7 7/8" and drill to total depth. After log evaluation, 4 1/2" casing may be run and cemented with sufficient kinds and amounts of cement to isolate and seal off any fresh water, oil, or gas zones encountered.

Gas Sales Are Dedicated to Transwestern Pipeline Co.

XC: USGS (6), TLS, CEN RCDS, ACCTG, ROSWELL, MEC, LAND, PARTNERS, FILE

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

*R. E. Mark*

TITLE

REGULATORY COORDINATOR

DATE

APRIL 9, 1981

(This space for Federal or State office use)

PERMIT NO.

541 GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

MAY 23 1981

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. GILHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

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

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

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

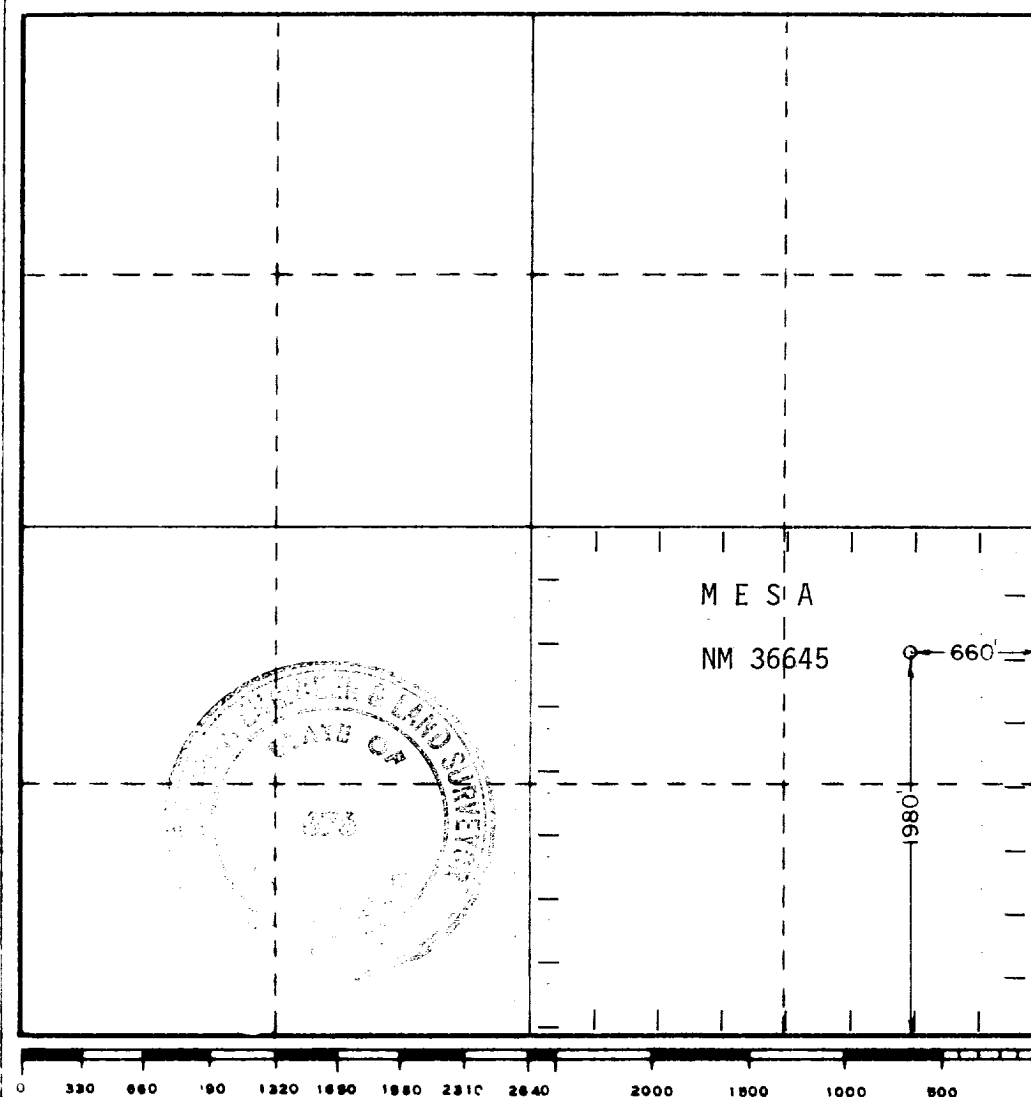
Operator <b>Mesa Petroleum Co.</b>			Lease <b>HUB Federal</b>		Well No. <b>1</b>
Unit Letter <b>I</b>	Section <b>6</b>	Township <b>9 South</b>	Range <b>23 East</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>south</b> line and <b>660</b> feet from the <b>east</b> line					
Ground Level Elev. <b>3956.6'</b>	Producing Formation <b>ABO</b>	Pool <b>UNDESIGNATED Abo</b>		Dedicated Acreage: <b>SE/4 160</b> 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 Commission.



**CERTIFICATION**

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

*R. E. Mathis*

Name

**R. E. MATHIS**

Position

**REGULATORY COORDINATOR**

Company

**MESA PETROLEUM CO.**

Date

**APRIL 9, 1981**

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

**4-3-81**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6083**  
**Ronald J. Eidson 3239**

# APPLICATION FOR DRILLING

MESA PETROLEUM CO.  
HUB FEDERAL #1  
1980' FSL & 660' FEL, SEC 6, T9S, R23E  
CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 36645

In conjunction with Form 9-331C, Application For Permit to Drill subject well, the following additional information is provided:

1. Applicable portions of the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, Roswell District, Geological Survey of September 1, 1980 will be adhered to.
2. Geological markers are estimated as follows:

SAN ANDRES	SURFACE
GLORIETTA	780'
YESO	980'
ABO	3030'
HUECO	3630'
3. Hydrocarbon bearing strata may occur in the Abo formation. No fresh water is expected to be encountered below 1000'.
4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. Anticipate drilling with air or foam using ram type preventer and rotating head for well control. The 8 5/8" casing will be set at approximately 1000' to protect any fresh water zones and cemented to the surface. The 4 1/2" production casing will be set at total depth or shallower depending upon the depth of the deepest commercial hydrocarbon bearing strata encountered.
5. No drill stem tests or coring program is planned. The logging program may consist of a GR-CNL from surface to total depth and FDC from casing point to total depth.
6. Anticipated drilling time is fifteen days with completion operations to follow as soon as a completion unit is available.