

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

RECEIVED

MAR 10 1982

O. C. D.  
ARTESIA, OFFICE

30-005-61465  
Form C-101  
Revised 10-1-78

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |  |  |
|---|--|--|
| 1a. Type of Work<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>  |  | 5a. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEDERAL <input checked="" type="checkbox"/> |
| b. Type of Well<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | 6. State Oil & Gas Lease No.   |
| 2. Name of Operator<br>MESA PETROLEUM CO.   |  | 7. Unit Agreement Name   |
| 3. Address of Operator<br>1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701-4493  |  | 8. Farm or Lease Name<br>Thompson  |
| 4. Location of Well<br>UNIT LETTER H LOCATED 1980 FEET FROM THE North LINE<br>AND 660 FEET FROM THE East LINE OF SEC. 10 TWP. 5S RGE. 24E NMPM  |  | 9. Well No.<br>1   |
|   |  | 10. Field and Pool, or Wildcat<br>Pecos Slope ABO  |
|   |  | 12. County<br>Chaves   |
| 19. Proposed Depth<br>4100'   |  | 19A. Formation<br>ABO  |
| 20. Rotary or C.T.<br>Rotary  |  |  |
| 21. Elevations (Show whether DE, KT, etc.)<br>3920.1' Gr  | 21A. Kind & Status Plug. Bond<br>Blanket | 21B. Drilling Contractor<br>Tom Brown Drilling   |
|   |  | 22. Approx. Date Work will start<br>April 6, 1982  |

23. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP          |
|--------------|----------------|-----------------|---------------|-----------------|-------------------|
| 17 1/2"      | 13 3/8"        | 48#             | 900'          | 300/200/300     | SURFACE           |
| 11"          | 8 5/8"         | 24#             | 1600'         | 500/300         | ISOLATE, WTR, O&G |
| 7 7/8"       | 4 1/2"         | 10.5#           | 4100'         | 500/500         | COVER ALL         |

Propose to drill 17 1/2" hole to approximately 900', set 13 3/8" surface casing and cement to surface. Will reduce hole to 11" and drill to 1600' to set 8 5/8" casing. Will reduce hole to 7 7/8", nipple up RAM type BOP's, and drill to total depth. Drilling medium will be air, foam, or mud as required.

Operator's Gas Sales Are Dedicated.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 9-12-82  
UNLESS DRILLING UNDERWAY

XC: NMOC(6), TLS, CEN RECS, ACCTG, ROSWELL, MEC, LAND, PARTNERS, FILE, REM

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 P. E. Nathan Title REGULATORY COORDINATOR Date 3-9-82

(This space for State Use)

APPROVED BY Mark Walker TITLE REGULATORY COORDINATOR DATE MAR 12 1982  
CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

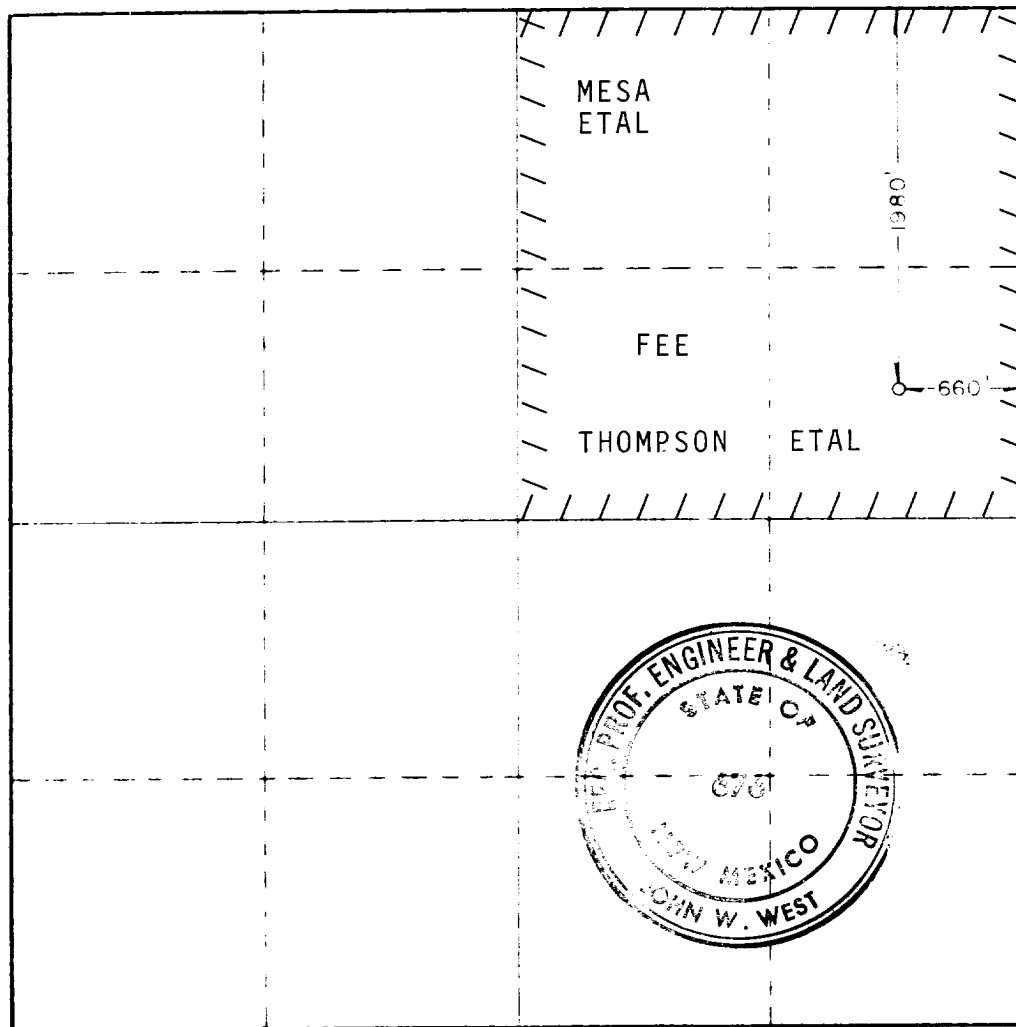
|   |                      |                                   |                          |                         |                            |                      |   |  |
|---|----------------------|-----------------------------------|--------------------------|-------------------------|----------------------------|----------------------|---|--|
| Operator<br><b>Mesa Petroleum Company</b>   |                      |                                   | Lease<br><b>Thompson</b> |                         |                            | Well No.<br><b>1</b> |   |  |
| Section Letter<br><b>H</b>  | Section<br><b>10</b> | Township<br><b>5 South</b>        | Range<br><b>24 East</b>  | County<br><b>Chaves</b> |                            |                      |   |  |
| Actual Surface Location of Well:<br><b>1980</b> feet from the <b>north</b> line and <b>660</b> feet from the <b>east</b> line |                      |                                   |                          |                         |                            |                      |   |  |
| Surface Elevation<br><b>3920.1'</b>   |                      | Producing Formation<br><b>ABO</b> |                          |                         | Pool<br><b>Pecos Slope</b> |                      | Dedicated Acreage:<br><b>NE/4 160</b> Acres |  |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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  
**MARCH 9, 1982**

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  
**3-2-82**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No. **JOHN W. WEST 678**

**PATRICK A. ROMERO 6668**  
**Ronald J. Eidson 3239**

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600