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**RECEIVED**  
 NEW MEXICO OIL CONSERVATION COMMISSION  
 SEP 26 1978  
**O. C. C.**  
 ARTESIA, OFFICE

30-015-22706  
 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.<br>LG-5026   |                              |

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

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| 1a. Type of Work<br>b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><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"/> |  |  |  | 7. Unit Agreement Name                                  |  |
| 2. Name of Operator<br>Mesa Petroleum Co ✓   |  |  |  | 8. Farm or Lease Name<br>Gardner State                  |  |
| 3. Address of Operator<br>1000 Vaughn Building/Midland, Texas 79701  |  |  |  | 9. Well No.<br>1  |  |
| 4. Location of Well<br>UNIT LETTER <u>K</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE<br>AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>8</u> TWP. <u>19S</u> RGE. <u>23E</u> NMPM  |  |  |  | 10. Field and Pool, or Wildcat<br>Wildcat <u>Morrow</u> |  |
|  |  |  |  | 12. County<br>Eddy                                      |  |
|  |  |  |  |   |  |
| 19. Proposed Depth<br>7900   |  | 19A. Formation<br>Morrow                 |  | 20. Rotary or C.T.<br>Rotary                            |  |
| 21. Elevations (Show whether DF, RT, etc.)<br>4005 GR  |  | 21A. Kind & Status Plug, Bond<br>Blanket |  | 21B. Drilling Contractor<br>Cactus                      |  |
|  |  |  |  | 22. Approx. Date Work will start<br>10-5-78             |  |

**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              | 225'          | 400             | Circ to surface |
| 12 1/4"      | 8-5/8"         | 24              | 1750'         | 1000            | Circ to surface |
| 7-7/8"       | 4-1/2"         | 10.5-11.6       | 7900'         | 1200            | 3500            |

Propose to drill surface hole with water and addition of lost circulation material. After setting 13-3/8" casing and circulating cement to surface, will nipple up 12" API 3000 psi casing flange and install rotating head. Will drill 12 1/4" intermediate hole to 1750' using water and LCM. After setting 8-5/8" casing and circulating cement to surface, will install 12" API 3000 x 10" API 3000 psi casing spool. Will then nipple up 10" API 3000 psi WP BOPs and drill 7-7/8" hole to total depth of 7900'. BOPs will be double hydraulic unit with pipe and blank rams. Maximum mud weight should not exceed 9.4 PPG based upon wells in the area. Some have been drilled w/air.

Gas is not dedicated to a purchaser.

**APPROVAL VALID  
 FOR 90 DAYS UNLESS  
 DRILLING COMMENCED,**

**EXPIRES 12-28-78**

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 Michael P. Houston Title Division Engineer Date September 25, 1978

(This space for State Use)

APPROVED BY W.A. Gussitt TITLE SUPERVISOR, DISTRICT II DATE SEP 28 1978

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to  
 surface behind 13 3/8" & 8 7/8" casing

Notify N.M.O.C.C. in sufficient  
 time to witness cementing  
 the 8 7/8" casing

XC: JLF, JWH, MEC, NMOCD, JBH, FILE,