

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Form C-101  
Revised 10-1-78

|                        |  |
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5A. Indicate Type of Lease  
STATE ☒ FEE ☐  
5. State Oil & Gas Lease No.  
V-307

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                                                                                                                                                                                |  |                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|
| 1a. Type of Work<br>b. Type of Well<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/><br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | 7. Unit Agreement Name                                          |
| 2. Name of Operator<br>Pogo Producing Company                                                                                                                                                                                                                                                                                                                  |  | 8. Farm or Lease Name<br>GRW                                    |
| 3. Address of Operator<br>P.O. Box 10340 Midland, Texas 79702                                                                                                                                                                                                                                                                                                  |  | 9. Well No.<br>1                                                |
| 4. Location of well<br>UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE<br>AND 1650 FEET FROM THE East LINE OF SEC. 27 TWP. 21-S RST. 34-E NMPM                                                                                                                                                                                                             |  | 10. Field and Pool, or Wildcat<br>Undesignated                  |
| 11. Proposed Depth<br>13,400                                                                                                                                                                                                                                                                                                                                   |  | 12. Rotary or C.T.<br>Rotary                                    |
| 13. Proposed Casing and Cement Program<br>Blanket on File                                                                                                                                                                                                                                                                                                      |  | 14. Approx. Date Work Will Start<br>March 15, 1985              |
| 15. Elevation of Ground Surface (ft., m., etc.)<br>3712.9' Ground                                                                                                                                                                                                                                                                                              |  | 16. Elevation of Well Bottom (ft., m., etc.)<br>Blanket on File |

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         | 40               | 1,200         | 800             | Surface - Circ. |
| 12 1/4       | 10 3/4         | 40.50, 45.50, 51 | 5,800         | 4500            | Surface - Circ. |
| 9 1/2        | 7 5/8          | 26.40 & 29.70    | 11,150        | 440             | 8350'           |
| 6 1/2        | 5              | 15 & 18          | 13,400        | 250             | 11,150' TOL     |

Propose to drill a well to 13,400' and test the Morrow.

Possible zones for DST are the Delaware, Wolfcamp, Strawn, Atoka & Morrow. Adequate logs will be run to evaluate all zones from the Delaware to total depth.

Completion or abandonment will be performed in accordance with prudent practices and state regulatory rules.

BOP Program: 1200' to 5800' - 3000# WP, 5800' to 13,400' - 5000# WP

Mud Program: 0-1200' native mud, 1200' to 5800' Brine, 5800' to 11,150' Cut Brine, 11,150' to TD KOL Polymer.

Gas on the lease is not dedicated.

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 [Signature] Title Division Operations Manager Date 2/26/85

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY: