

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

30-025-29151

Form C-101  
Revised 10-1-78

|                        |  |
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| OPERATOR               |  |

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

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"/>  |  |  |  | 7. Unit Agreement Name  |  |
| b. Type of Well<br>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<br>Emma Lawrence                                  |  |
| 2. Name of Operator<br>ARCO Oil and Gas Company<br>Division of Atlantic Richfield Company   |  |  |  | 9. Well No.<br>1  |  |
| 3. Address of Operator<br>P. O. Box 1710, Hobbs, New Mexico 88240   |  |  |  | 10. Field and Pool, or Wildcat<br>Knowles Devonian So.,<br>UNDESIGNATED |  |
| 4. Location of Well<br>UNIT LETTER I LOCATED 660 FEET FROM THE East LINE<br>AND 1980 FEET FROM THE South LINE OF SEC. 23 TWP. 17S R. 38E NMPM   |  |  |  | 12. County<br>Lea   |  |
| 11. Elevations (Show whether DF, KT, etc.)<br>3663.3' GR  |  | 21A. Kind & Status Plug. Bond<br>GCA #8  |  | 19. Proposed Depth<br>12,600'   |  |
|   |  | 21B. Drilling Contractor<br>Not selected |  | 19A. Formation<br>Devonian  |  |
|   |  |  |  | 20. Rotary or C.T.<br>Rotary  |  |
|   |  |  |  | 22. Approx. Date Work will start<br>3/15/85                             |  |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 26"          | 20" cond pipe  |                 | 30'           | 3 yds Redi-mix  | Surf.    |
| 17½"         | 13-3/8" OD     | 54.5#           | 400'          | 500 sx          | Surf.    |
| 11"          | 8-5/8" OD      | 28#             | 5000'         | 2500 sx         | Surf.    |
| 7-7/8"       | 5½" OD         | 17#             | 12,600'       | 1200 sx         | 8000'    |

Propose to drill a development well and test for Devonian oil production.

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

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 Robert E. Dunning Title Drlg. Engr. Date 2/22/85  
(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT SUPERVISOR TITLE  DATE FEB 26 1985  
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

FEB 25 1985

O.C.2  
HOBBS OFFICE

DST's  
6/2/85  
6/10/85

FILE