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NEW MEXICO CONSERVATION COMMISSION

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O. C. D.

ARTESIA OFFICE

30-015-23601

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. |
| IG-2678                      |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |  |  |  |
|---|--|--|--|
| 1a. Type of Work  |  | 7. Unit Agreement Name                             |  |
| b. Type of Well<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><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                              |  |
| 2. Name of Operator<br>COOK OIL & GAS PRODUCTION Co.  |  | STATE  |  |
| 3. Address of Operator<br>P.O. BOX 159, ROSWELL, NM 88201   |  | 9. Well No.<br>#4                                  |  |
| 4. Location of Well<br>UNIT LETTER O LOCATED 990 FEET FROM THE SOUTH LINE<br>AND 2310 FEET FROM THE EAST LINE OF SEC. 2 TWP. 19-S RGE. 31-E NMPM  |  | 10. Field and Pool, or Wildcat<br>SHUGART Y 2A-4-3 |  |
|   |  | 12. County<br>EDDY                                 |  |
|   |  | 19. Proposed Depth<br>4300' 4500' FT.              |  |
|   |  | 19A. Formation<br>QUEEN, PENROSE PREMIER           |  |
|   |  | 20. Rotary or C.T.<br>ROTARY                       |  |
| 21. Elevations (Show whether DF, RT, etc.)<br>3609.7  |  | 22. Approx. Date Work will start<br>MARCH 20, 1981 |  |
| 21A. Kind & Status Plug. Bond<br>1 WELL BOND  |  | 21B. Drilling Contractor<br>LARRY & MONTZIE WICK   |  |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP              |
|--------------|----------------|-----------------|---------------|-----------------|-----------------------|
| 12 1/4       | 8 5/8          | 24 LBS.         | 970' 800'     | 350 SACKS       | CIRCULATE             |
| 7 7/8        | 5 1/2          | 5 1/2 LBS.      | 4500' 4300'   | 250 SACKS       | 3500 FT.<br>CIRCULATE |

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,  
EXPIRES 4-6-81

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 MANAGER COOK OIL & GAS PRODUCTION Date 12-23-80  
(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE JAN 06 1981

CONDITIONS OF APPROVAL, IF ANY:

Adequate Blowout Preventers be used.