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NEW MEXICO OIL CONSERVATION COMMISSION

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OCT 16 1974

O. C. C.

ARTESIA OFFICE

30-015-21401

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.                                           |
| K-4477                                                                 |

## 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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | 8. Farm or Lease Name<br>Sulphate Cousin             |  |
| 2. Name of Operator<br>Corinne Grace                                                                                                                                                                                                                                                                                                    |  | 9. Well No.<br>1                                     |  |
| 3. Address of Operator<br>P. O. Box 1418, Carlsbad, New Mexico 88220                                                                                                                                                                                                                                                                    |  | 10. Field and Pool, or Wildcat<br>Wildcat            |  |
| 4. Location of Well<br>UNIT LETTER <u>E</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE<br>AND <u>660</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>15</u> TWP. <u>25S</u> RGE. <u>27E</u> NMPM                                                                                                                                 |  | 12. County<br>Eddy                                   |  |
| 19. Proposed Depth<br>12,800'                                                                                                                                                                                                                                                                                                           |  | 19A. Formation<br>Morrow                             |  |
| 20. Rotary or C.T.<br>C.T. & Rotary                                                                                                                                                                                                                                                                                                     |  | 21. Elevations (show whether DF, RT, etc.)<br>3154.9 |  |
| 21A. Kind & Status Plug. Bond<br>Blanket                                                                                                                                                                                                                                                                                                |  | 21B. Drilling Contractor<br>Abbott Bros. & Big West  |  |
| 22. Approx. Date Work will start<br>Oct. 18, 1974                                                                                                                                                                                                                                                                                       |  |                                                      |  |

## 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"        | 51#             | 450           |                 | circulate |
| 12 1/4"      | 9 5/8"         | 36#             | 6150          | 950 sks         |           |
| 8 3/4"       | 7"             | 26#, 29#, 32#   | 12800         |                 |           |

Drill 17 1/2" hole to 450' set 13 3/8" casing and circulate cement to surface  
Continue drilling 12 1/4" hole to 6150, set and cement 9 5/8" casing and then  
drill to an approximate depth of 12,800' to test the Morrow formation.  
Blowout preventers will be used below surface casing.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 1-17-75

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 Wanda R. Jones Title Agent Date 10/16/74

(This space for State Use)

APPROVED BY W. A. Grissett TITLE OIL AND GAS INSPECTOR DATE OCT 17 1974

CONDITIONS OF APPROVAL, IF ANY: