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NEW MEXICO OIL CONSERVATION COMMISSION

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30-015-23695

Form C-101  
Revised 1-1-65

MAR 06 1981

O. C. D.  
ARTESIA, OFFICE

|  |
|--|
| 5A. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>L-6368   |
| 7. Unit Agreement Name   |
| 8. Farm or Lease Name<br>Lancaster Spring Com.   |
| 9. Well No.<br>2   |
| 10. Field and Pool, or Wildcat<br>Happy Valley - Morrow  |
| 12. County<br>Eddy   |
| 19. Proposed Depth<br>11700  |
| 19A. Formation<br>Morrow   |
| 20. Rotary or C.T.<br>Rotary   |
| 21. Elevations (Show whether DF, RT, etc.)<br>3353.6' GL   |
| 21A. Kind & Status Plug. Bond<br>Blanket-on-file   |
| 21B. Drilling Contractor<br>NA   |
| 22. Approx. Date Work will start<br>3-9-81   |

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>DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | 2. Name of Operator<br>Amoco Production Company | 3. Address of Operator<br>P. O. Box 68 Hobbs, NM 88240 | 4. Location of Well<br>UNIT LETTER K LOCATED 1980 FEET FROM THE FSL LINE<br>AND 1980 FEET FROM THE FWL LINE OF SEC. 9 TWP. 22-S RGE. 26-E NMPM |
| 23.  |   |  |  |

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#             | 700'          | Circulate                     | Surface  |
| 12-1/4"      | 9-5/8"         | 36#             | 2900'         | Circulate                     | Surface  |
| 8-3/4"       | 5-1/2"         | 17#, 20#, 23#   | 11700'        | tie back to 9-5/8" BTM 9-5/8" |          |

Propose to drill and equip well in the Morrow formation. After reaching TD, logs will be run and evaluated. Will perforate and stimulate as necessary in attempting commercial production.

MUD PROGRAM: 0'-700' Native mud and fresh water  
700'-2900' Native mud and fresh water  
2900'-11700' Commercial mud and brine with minimum properties for safe hole conditions. Raise viscosity and reduce water loss prior to Morrow penetration.

BOP Program attached.  
Gas is not dedicated.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 9-9-81  
UNLESS DRILLING UNDERWAY

0+5-NMOCD, A 1-Hou 1-Susp 1-GLF 1-W. Stafford, Hou

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 Gerald Z Forhee Title Admin. Analyst Date 3-4-81

(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT # DATE MAR 09 1981

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" + 9 5/8" casing

Notify N.M.O.C.C. in sufficient time to witness cementing the 9 5/8" casing