

Submit to Appropriate  
District Office  
State Lease -- 6 copies  
Fee Lease -- 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DEC 4 '90

|   |
|---|
| API NO. (assigned by OCD on New Wells)<br>30-015-25654  |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>E-10170   |
| 7. Lease Name or Unit Agreement Name<br>Lowe State  |
| 8. Well No.<br>2  |
| 9. Pool name or Wildcat<br>Indian Basin-Morrow Gas Pool   |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |                |   |               |                 |                |
|---|----------------|---|---------------|-----------------|----------------|
| 1a. Type of Work:<br>DRILL <input type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> |                | 7. Lease Name or Unit Agreement Name<br>Lowe State      |               |                 |                |
| b. Type of Well:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                                   |                | 8. Well No.<br>2  |               |                 |                |
| 2. Name of Operator<br>Oryx Energy Company  |                | 9. Pool name or Wildcat<br>Indian Basin-Morrow Gas Pool |               |                 |                |
| 3. Address of Operator<br>P. O. Box 1861, Midland, Texas 79702  |                |   |               |                 |                |
| 4. Well Location<br>Unit Letter M : 330 Feet From The West Line and 330 Feet From The South Line<br>Section 36 Township 21-S Range 23-E NMPM Eddy County            |                |   |               |                 |                |
| 10. Proposed Depth<br>9700'   |                | 11. Formation<br>Morrow                                 |               |                 |                |
| 12. Rotary or C.T.<br>Rotary  |                |   |               |                 |                |
| 13. Elevations (Show whether DF, RT, GR, etc.)<br>3851' GL  |                | 14. Kind & Status Plug. Bond<br>Statewide               |               |                 |                |
| 15. Drilling Contractor<br>NA   |                | 16. Approx. Date Work will start<br>*ASAP               |               |                 |                |
| 17. 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"        | 54.5#   | 325'          | 370             | Surface        |
| 12-1/4"   | 9-5/8"         | 36#   | 2000'         | 650             | Surface        |
| 8-3/4"  | 7"             | 26#   | 7415'         | 200             | TOC 6350' T.S. |

\*This well has a critical date work must commence, no later than 12-29-90 per joint operating agreement.

- APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 6/11/91  
UNLESS DRILLING UNDERWAY
- 1) MIRUPU, NDWH. NUBOP. POOH w/Otis 7" Pkr & 2-3/8" tbq.
  - 2) RIH w/ CICR on 2-7/8" WS. Set CICR @ 7300'. Establish PIR. Sqz perfs 7356'-72' with 100 sx Class H LWL cmt (WL< 10cc). Batch mix cmt. POOH. WOC 24 hrs.
  - 3) RIH w/6-1/8" bit, 6-4-3/4" DC's. Drill out CICR and cement. Test sqz'd perfs to 1000 psi for 30 min. DOC to casing shoe. Circ. clean. POOH & LD WS. NDBOP. Release rig.
  - 4) MIRU RR. NUBOP & test. TIH w/6-1/8" mill tooth, 15-20 4-3/4" DC's, on 3-1/2" DP. Circ. well w/mud. Drill out csg shoe and drill formation from 7415' to 9000' with potassium based fresh water gel mud (8.5 to 87 ppg, 32 to 34 sec FV, WL< 20cc) using drispac for fluid loss. From 9000' to 9600' TD, lower fluid loss below 10cc to drill the pay. At 9600' TD, circ and cond for logs. TOOH.

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.

SIGNATURE Maria L. Perez TITLE Proration Analyst DATE 11-29-90

TYPE OR PRINT NAME Maria L. Perez

TELEPHONE NO. 915-688-0375

(This space for State Use)

ORIGINAL SIGNED BY  
MIKE WILLIAMS  
SUPERVISOR, DISTRICT II

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE DEC 10 1990

CONDITIONS OF APPROVAL, IF ANY: