

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

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

OIL CONSERVATION DIVISION

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

| |
|---|
| API NO. (assigned by OCD on New Wells) 30-025-32003 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. LG-607 |

| | | | | | |
|--|----------------|---|---------------|--|----------|
| APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK | | | | | |
| 1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | | | 7. Lease Name or Unit Agreement Name Redhawk "32" State | |
| b. Type of Well: 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. Well No. 2 | |
| 2. Name of Operator Mitchell Energy Corporation | | | | 9. Pool name or Wildcat Quail Ridge (Morrow) | |
| 3. Address of Operator P. O. Box 4000, The Woodlands, Texas 77387-4000 | | | | | |
| 4. Well Location Unit Letter <u>G</u> : <u>2310</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>32</u> Township <u>19S</u> Range <u>34E</u> NMPM Lea County | | | | | |
| 10. Proposed Depth 14,000 | | 11. Formation Morrow | | 12. Rotary or C.T. Rotary | |
| 13. Elevations (Show whether DF, RT, GR, etc.) 3661 GR | | 14. Kind & Status Plug. Bond Blanket on File | | 15. Drilling Contractor | |
| 16. Approx. Date Work will start | | | | | |
| 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" | 54.50# | 500' | Light + Class A | Surface |
| 12-1/4" | 8-5/8" | 32# | 5250' | Light + Class H | Surface |
| 7-7/8" | 5-1/2" | 17# | TD | 50/50 POZ | 9,000' |

Mitchell proposes to drill to a depth sufficient to test the Morrow formation for gas. If productive, 5½" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with State of New Mexico regulations. Blowout preventer schematic attached as Exhibits 1 & 1A.

See Amended plat

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 George Mullen TITLE Reg. Affairs Specialist DATE 06-04-93

TYPE OR PRINT NAME George Mullen TELEPHONE NO. 713-377-5855

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE JUN - 8 1993

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.