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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

**5A. Indicate Type of Lease**
STATE [X]     FEE [ ]

**5. State Oil & Gas Lease No.**
LG 3566

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

**1a. Type of Work**

**b. Type of Well**     DRILL [ ]          DEEPEN [ ]          PLUG BACK [X]

OIL WELL [ ]     GAS WELL [X]     OTHER          SINGLE ZONE [X]     MULTIPLE ZONE [ ]

**7. Unit Agreement Name**

**8. Farm or Lease Name**
Maralo 3 State

**2. Name of Operator**
Tamarack Petroleum Co., Inc.

**9. Well No.**
1

**3. Address of Operator**
500 West Texas, Suite 1485, Midland, TX 79701

**10. Field and Pool, or Wildcat**
Undesignated

**4. Location of Well**
UNIT LETTER M     LOCATED 330/430 FEET FROM THE south LINE

AND 330 FEET FROM THE west LINE OF SEC. 3 TWP. 19-S RGE. 36-E NMPM

**12. County**
Lea

| | 19. Proposed Depth | 19A. Formation | 20. Rotary or C.T. |
|---|---|---|---|
| | 4960 | Yates | 4960 |

| 21. Elevations (Show whether DF, RT, etc.) | 21A. Kind & Status Plug. Bond | 21B. Drilling Contractor | 22. Approx. Date Work will start |
|---|---|---|---|
| 3764 GR | Blanket | X-Pert | 5/31/86 |

23.

### PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|---|---|---|---|---|---|
| 11 | 8 5/8 | 24 | 425 | 300 | Surf. |
| 7 7/8 | 4 1/2 | 10.5 | 4959 | 1350 | Surface |
| | | | | | |

1. Pull out of hole with rods, pump and tubing
2. Run in hole with cast iron bridge plug and set above Queen perforations at 4840-48.
3. Spot 35 feet of cement on top of plug
4. Perforate Yates formation at 3366-71 with 2 CJPF
5. Acidize and frac as necessary

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 _____     Title Engineering Manager     Date 5/30/86

*(This space for State Use)*

ORIGINAL SIGNED BY JERRY SEXTON
APPROVED BY _____ DISTRICT I SUPERVISOR _____ TITLE _____     DATE JUN 2 1986

CONDITIONS OF APPROVAL, IF ANY: