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NEW MEXICO OIL CONSERVATION COMMISSION

30025-29741

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.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | |
|---|--|--|--|
| 1a. Type of Work | | 7. Unit Agreement Name | |
| b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 8. Farm or Lease Name State QE 24 | |
| 2. Name of Operator Tenneco Oil Company | | 9. Well No. 2 | |
| 3. Address of Operator 7990 IH 10 West, San Antonio, Texas 78229 | | 10. Field and Pool, or Wildcat Ranger Lake Penn | |
| 4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 24 TWP. 12S RGE. 34E NMPM | | 12. County Lea | |
| 19. Proposed Depth 10,600 | | 19A. Formation Penn | |
| 20. Rotary or C.T. Rotary | | 21. Approx. Date Work will start | |
| 21. Elevation (show whether D.F., R.T., etc.) 4127.5 | | 21A. Kind & Status Plug. Bond Blanket | |
| 21B. Drilling Contractor Unknown | | 22. Approx. Date Work will start | |

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" | 54.5# | 350' | 370 sxs Class C | Surface |
| 12 1/4" | 8 5/8" | 32# | 4200' | 1400sxs Class C | Surface |
| 7 7/8" | 5 1/2" | 17# | 10,600' | 400 Class H 300 Class C | 10,000' 4,000' |

- MIRU drilling rig.
- PU 17 1/2" bit and drill surface hole to 350'+/- w/fresh water spud mud. (Be sure that Ogalla aquifer has been completely drilled before stopping to run casing). Possible loss returns could exist in this interval. Dry drill if necessary, pump paper sweep prior to POOH.
- Run 13 3/8" casing as follows: 13 3/8" float shoe, 1 jt. 13 3/8" casing, 13 3/8" baffle collar, casing to surface. Cement as per cement program attached.
- CO casing after sufficient WOC time. NU 13 3/8" x 13 3/8" - 3M casing head. NU 13 5/8"-3M SRRA preventers. (This is a minimum acceptable BOP hook-up). NU diverter system.
- Test wellhead to 50% of casing collapse. Test BOP's (except annular) to working pressure. Test manifold to 3000 psi and all valves. Function test all valves (open and close). Test annular preventer to 50% of W.P.

Continue next page.

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 Don Lindsay Title Drilling Engineer Date 8/15/86

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE AUG 26 1986

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

RECEIVED
AUG 25 1986
C.C.P.
HOBBS OFFICE