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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name	
2. Name of Operator Tenneco Oil Company		8. Farm or Lease Name State QE 24	
3. Address of Operator 7990 IH 10 West San Antonio, TX 78230		9. Well No. #1	
4. Location of Well UNIT LETTER B LOCATED 330 FEET FROM THE North LINE AND 2310 FEET FROM THE East LINE OF SEC. 24 TWP. 12S RGE. 34E NMPM		10. Field and Pool, or Wildcat Ranger Lake Penn	
11. Elevations (Show whether DF, RT, etc.) 4128.3 GR		12. County Lea	
21A. Kind & Status Plug. Bond Blanket		19. Proposed Depth 10,600	
21B. Drilling Contractor Unknown		19A. Formation Penn	
22. Approx. Date Work will start 7/15/86		20. Rotary or C.T. Rotary	

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'	400 sxs Class C	Surface
7 7/8"	5 1/2"	17#	10600'	400 Class H 300 Class C	10,000' 4,000'

1. MIRU drilling rig.
2. 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.
3. 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.
4. CO casing after sufficient WOC time. NU 13 3/8" x 13 5/8" - 3 M casing head. NU 13 5/8" - 3M SRRA preventers. (This is a minimum acceptable BOP hook-up). NU diverter system.
5. 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 on 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 E. W. Waddell Title Drilling Engineer Date 8/22/86

(This space for State Use)

Orig. Signed by
Paul Kautz

APPROVED BY Geologist TITLE Geologist DATE AUG 26 1986

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

NSL-8283