

30-025-29771

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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.
7. Unit Agreement Name
8. Farm or Lease Name State QE 13
9. Well No. 2
10. Field and Pool, or Wildcat Ranger Lake Penn
12. County Lea

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ c. Name of Operator Tenneco Oil Company d. Address of Operator 7990 IH 10 West, San Antonio, Texas 78229 e. Location of Well UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 13 TWP. 12S R. 34E N. 34E	f. Proposed Depth 10,500 g. Formation Penn h. History of C.T. Rotary i. Approx. Date Work will start
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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 1/2"	8 5/8"	32#	4200'	1400 sxs Class C	Surface
7 7/8"	5 1/2"	17#	10,500'	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 3/8" - 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.

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 BOP/OUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Drilling Engineer Date 11/4/85

(This Space for State Use)

APPROVED BY [Signature] TITLE STATE OIL CONSERVATION COMMISSION DATE NOV 12 1986

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.