

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

AUG 24 1984

O. C. D.

ARTESIA, OFFICE

Form C-101
Revised 10-1-78

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5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. Type of Well
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

3. Name of Operator
Tenneco Oil Company

4. Address of Operator
7990 IH 10 West, San Antonio, TX 78230

5. Location of Well
UNIT LETTER E LOCATED 2310 FEET FROM THE North LINE
990 FEET FROM THE West LINE OF SEC. 36 TWP. 18S RGE. 29E NMPM

6. State Oil & Gas Lease No.
5

7. Unit Agreement Name
Leo Queen, So. (Grayburg)

8. Farm or Lease Name
State JL 36

9. Well No.
5

10. Field and Pool, or Wildcat
Leo Queen, So. (Grayburg)

11. County
Eddy

12. Proposed Depth
2900

13. Formation
Grayburg

14. Rotary or C.T.
Rotary

15. Elevations (show whether DE, RT, etc.)
3449 GL

16. Kind & Status Plug. Bond
Blanket

17. Drilling Contractor
30 August 1984

18. Approx. Date Work will start

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24#	300	190	surface
7 7/8	5 1/2	14.4#	2900	427	surface

1. Construct suitable location. Reserve pits, working pits, rat hole, mouse hole, cellar may be provided by operator or drilling contractor, and will be determined in conjunction with selection of drilling contractor/rig.
2. MIRU. Drill 12 1/4" hole to 300' +/- . BHA: Slick
3. CCM to run casing. SLM out of hole. Set 8 5/8" casing in full compression at 300 +/- . Run casing, cement and centralize.
4. WOC 18 hours. Cut off 8 5/8" casing. Install (See Note #1) wellhead. test well to 680 psi (1/2 of csg. collapse strength for SOW heads).

Continued on back of page.

Posted ID
API & NL Book
Q-37-84

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 [Signature] Title Division Drilling Engineer Date 23 August 1984

(This space for State Use)

PROVED BY [Signature] TITLE Geologist DATE 8/25/84

CONDITIONS OF APPROVAL, IF ANY

5. NU following BOPE: 3M Double Ram BOPE (pipe on BTM. - Blinds on top) Test to 1000 PSIG when testing casing.
6. PU 7 7/8 bit and following BHA: Slick
RIH to top of float collar. Test casing to 1000 psi for 30 minutes. Test is satisfactory if pressure does not decrease more than 10% of test pressure by end of test. Record test on IADC Report and include details in daily drilling report to TOC SWD. Insure compliance with State of NM Rule 107 before testing and drilling out.
7. Drill 7 7/8" hole to +/- 2900. Log, core, as outlined in step 8 and per GE.
8. Will shoot sidewall cores in the Penrose @ 2463'.
9. RIH w/DP and bit to TD. CCM to run 5 1/2" casing, or to P & A. If well is to be P & A'd, RIH open - ended and set cement plugs in accordance with regulatory agency instructions. Also, if P & A's, set EZSV-type cement retainer approximately 50' above last casing show and place 50 sacks of cement below and above retainer.
10. If not P & A'd, set 5 1/2" production casing at 2900'. Run casing, cement and centralize. Fill casing every 20 joints while running in hole. Set full casing weight on slips. Check float equipment operation.
11. C.O. casing. ND BOPE and install (See Note 2 below) tubing head. Test to 1500 psi. NU dry hole tree. Release rig.

NOTES: 1. 8 5/8" x 11" 3M SOW csg. head w/2 - 2" LPO, 1-solid bull plug & 1-3M ball valve.

2. 11" x 7 1/16" 3M tbg. head w/2 - 2" LPO, 1-solid bull plug & 1-3M ball valve.

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