

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

30-005-62270
Form C-101
Revised 10-1-79

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5A. Indicate Type of Lease
STATE ☐ FEDERAL ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
b. Type of Well
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐
c. Name of Operator
Tenneco Oil Company
d. Address of Operator
7990 IH 10 West, San Antonio, TX 78230
e. Location of Well
UNIT LETTER B LOCATED 330 FEET FROM THE north LINE
2200 FEET FROM THE East LINE OF SEC. 19 TWP. 10S RGE. 28E NMPM
19. Proposed Depth 7000'
19A. Formation Devonian
20. Rotary or C.T. Rotary
21. Elevations (Show whether D.F., R.T., etc.) 3760.4 GR
21A. Kind & Status Plug Bond Blanket
21B. Drilling Contractor Unknown
22. Approx. Date Work will start 5/25/85
12. County Chaves

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	320'	340 sxs Class C	surface
12 1/4"	8 5/8"	24	1950'	565 sxs Class C	circulated
7 7/8"	5 1/2"	15.5	7000'	150 sxs Class BJ "Lite" H	circulated

200 sxs Class H

- MIRU.
- Must have permit prior to spud. Notify New Mexico Oil Conservation Commission (N.M.O.C.C.) at (505) 748-1283 at least 8 hours prior to spud if possible. If anticipated spud date falls on weekend or before 8:00 a.m. or after 5:00 p.m. call Comm during working hours to obtain 24 hour telephone number.
- Drill 17 1/2" hole to +/- 320' (See Mud Program) and set +/- 320' of 13 3/8", 54.5 #, K-55, STC casing. Centralize and cement to surface as per cementing attachment. Notify N.M.O.C.C. at least 8 hours prior to running or cementing casing.
- Slack off in full compression after running casing.
- Wait on cement for a total of at least 8 hours before initiating a test. Minimum compressive strength of 500 PSIG must be obtained prior to testing.
- Cut off 13 3/8" and install 13 3/8" x 13 5/8" 3M SOW casing head w/2-2" LPO, 1-2" ball valve, and 1-2" solid bull plug. (Will need 13 5/8" x 11 3/8" 3M DSA, 180 DAYS

** (Continued on back of page)

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT Casing and Cement Program, IF ANY.

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

Signed Michael White Title Expl. Geologist Date May 5, 1985

(This space for State Use)

ORIGINAL SIGNED
BY LARRY BROOKS
GEOLOGIST-NMOC

DATE MAY 21 1985

CONDITIONS OF APPROVAL, IF ANY:

7. Nipple up 11" 3M SRRA w/manifold (3M). Test weld, well head, blind rams and choke manifold to 500#. Use rig pump. Record test on IADC reports and details on TOC Daily Drlg. Reports.
8. RIH w/11" bit-BHA to cement (top of float collar). Test 13 3/8" csg. to 500#. Test pipe rams and hydril 500#. If test ok (no more than 10% reduction of pressure in 30 min.) continue. If no test on csg., consult SWD. Have H₂S equipment rigged up prior to drilling out.
9. Drill out float equipment and cmt.
10. Drill 11" hole to +/-1950' (see attached Mud Program).
11. Sweep hole as necessary to insure proper hole cleaning.
12. SLM O.O.H. and RU run +/-1950' of 8 5/8" 24# and 32#, K-55, ST&C csg.
13. Run csg., centralize and cement as per attached Casing and Cement Program. Notify N.M.O.C.C. at (505) 748-1283 prior to starting operations.
14. WOC a minimum of 8 hours. Cut off 13 3/8" well head - remove same. Install 8 5/8" x 10 3/4" (3M) SOW well head bell nipple. Orange peel 13 3/8" to 8 5/8" csg. w/1" nipple and valve on 13 3/8" csg. Will need 10 3/4 x 11" Larking Drilling Flange adaptor to N.U. BOPE.
15. NU same BOPE w/RAM rubbers to fit DP - Yellow-jacket stack and choke manifold to WP.
16. RIH w/7-7/8 bit, BHA to cmt. (top of float collar). Test csg to 1500#. If test ok continue. If no test, consult SWD.
17. Drill out float equipment and cmt.
18. Drill 7 7/8" hole to Devonian at 6800'-7000'. Consult SWD and geolgoist for TD (see Mud Program).
19. CCM to run logs.
20. SLM out of hole.
21. Run logs as per CAT II, Geologist, and SWD.
22. If DST is to be performed in the Devonian - CCM., clean hole and SLM out of hole. Chain out first 5 stds off bottom and POOH. PU, MU, & RIH w/DST tools. Try to be on bottom and ready to open tool at daybreak. Open tool only in daylight hours. *(See DST Data)*
23. Prior to initiating DST make sure safety precautions have been taken:
 - a) No Smoking
 - b) No Welding
 - c) No Open Flame
 - d) No Exposed Lights
 - e) H₂S Protection
24. Run DST as per SWD.
25. POOH w/5 stds DP. Consult SWD prior to this time concerning pulling to fluid or circulating recovery once initial 5 stds have been pulled.
26. POOH w/DST tools.
27. LD DST tools.
28. RIH w/7 7/8" bit & BHA.
29. If well is to be cased, proceed to step 30. If well is to be P&A'd, have geologist pick all geologic TOPS from electric logs and consult N.M.O.C.C. for proper procedure. Also consult SWD on possibility of plugging back into 8 5/8" csg. only-due to possibility of selling well bore to offset operator holding shallow lease.
30. RIH w/7 7/8" bit and BHA for a clean up trip.
31. CCM to run 5 1/2" production csg.
32. POH. Lay down DP & DC.
33. RU & run 5 1/2 production csg. *NOTE: Make final cmt. cal. and design for 5 1/2" production csg. after logging. TOC at +/-3000'.
34. Cmt as per Cement Program. ND BOP's. Set slips on 5 1/2. Cut off 5 1/2. Install Tbg spool. Release rig.
35. Completion as per SWD.