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AMENDED
NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 31 1985

O. C. D.

ARTESIA, OFFICE

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"/> DEEPEN <input type="checkbox"/> PLUG BACK <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 Plains SL 19	
3. Address of Operator 7990 IH 10 West, San Antonio, Tx 78230				9. Well No. 1	
4. Location of Well UNIT LETTER <u>B</u> LOCATED <u>380</u> FEET FROM THE <u>north</u> LINE AND <u>2200</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>19</u> TWP. <u>10S</u> RGE. <u>28E</u> NMPM				10. Field and Pool, or Wildcat Wildcat- <i>Plains</i>	
				12. County Chaves	
19. Proposed Depth 7000'		19A. Formation Devonian		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 3760.4 GR		21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Unknown	
				22. Approx. Date Work will start 5/25/85	

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
17 1/2"	8 5/8"	24	1950'	565 sxs Class C	circulated
7 7/8"	5 1/2"	15.5	7000'	150 sxs Class B "Lite" H 200 sxs Class H	circulated

- 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" 3M DSA.)

continued on back of 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 L. Michael White Title Exploration Geologist Date May 28, 1985

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY LARRY BROOKS, GEOLOGIST - NMOC DATE MAY 31 1985

CONDITIONS OF APPROVAL, IF ANY:

Posted IDI
 6-14-85

7. Nipple up 11" 3M SRRA BOPE 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 of 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.