

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Water Inj. Well ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

3. NAME OF OPERATOR: Tenneco Oil Company

4. ADDRESS OF OPERATOR: Suite 1200 Lincoln Tower Bldg., Denver, Colorado 80203

5. LOCATION OF WELL: Report location clearly and in accordance with any State requirements.*
At surface: 660' IWL and 660' FNL
At proposed well depth: _____

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: _____

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any):
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DE, RT, GR, etc.):
6990' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	65'	40 sacks circulated
7-7/8"	5-1/2"	15.5#	2841'	300 sacks

Move in pulling unit, unseat tubing and tally out of hole. RIH with 2-7/8" tubing, squeeze Dakota "D" zone (2774'-2780') below Mod. "D" packer @ 2725' with 100 sxs. Cl. "A" cement. Pull 2-7/8" tubing. Run CCL & CBL from PBTD to top of cement. Perforate 5-1/2" casing @ top of cement and squeeze with 50 sxs. cement under full bore packer set 100' above perforations. WOC. Pull tubing and packer. Drill out cement. Perforate 1762'-1802' with 2 JSPs. Run 2-7/8" tubing and land at 1700'. Hookup to line and start injection.

12. ABOVE SPACE IS FOR USE IN CASING PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and propose a new productive zone. If proposal is to drill or deepen directionally, give vertical, horizontal, and true vertical depths. (Use in casing program.)

24. SIGNATURE: [Signature] TITLE: Production Clerk DATE: 10/1/73

25. SPECIAL INSTRUCTIONS (If any): _____

26. SPECIAL INSTRUCTIONS (If any): _____

27. SPECIAL INSTRUCTIONS (If any): _____

28. SPECIAL INSTRUCTIONS (If any): _____

29. SPECIAL INSTRUCTIONS (If any): _____

30. SPECIAL INSTRUCTIONS (If any): _____

31. SPECIAL INSTRUCTIONS (If any): _____

32. SPECIAL INSTRUCTIONS (If any): _____

5. LEASE OR MINERALS AND SERIAL NO.: MM-0536382
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: _____
7. UNIT AGREEMENT NAME: Lone Pine Dakota "D" Unit
8. FARM OR LEASE NAME: _____
9. WELL NO.: 26
10. FIELD AND POOL, OR WILDCAT: Lone Pine Dakota "D"
11. SEC. T., R., M., OR B.L.K. AND SURVEY OR AREA: Sec. 19, T17N, R8W
12. COUNTY OR PARISH: McKinley
13. STATE: New Mexico

*See Instructions On Reverse Side

