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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.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well DRILL ☐ DEEPEN ☐ PLUG BACK ☒
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. Name of Operator
Sun Oil Company

3. Address of Operator
P. O. Box 1861, Midland, TX 79702

4. Location of Well
UNIT LETTER A LOCATED 660 FEET FROM THE East LINE
AND 660 FEET FROM THE North LINE OF SEC. 27 T4S. 9S RGE. 36E N40W

7. Unit Agreement Name

8. Form or Lease Name
U. D. Sawyer

9. Well No.
4

10. Field and Pool, or Wellcat
Crossroads Penn

12. County
Lea

11. Elevation (Show whether BP, RL, etc.)
4027 GR

13A. Elevation of Top of Hole
-

13B. Elevation of Bottom of Hole
-

14. Estimated Depth
11450

15. Formation
Pennsylvania

16. Estimated Depth of Cement
-

17. Estimated Depth of Cement
-

18. Estimated Depth of Cement
-

19. Estimated Depth of Cement
-

20. Estimated Depth of Cement
-

21. Estimated Depth of Cement
-

22. Approx. Date Work will start
12-8-78

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17	13 3/8	36	259	300	Surface
12 1/4	9 5/8	36	4668	2400	Circulated
8 3/4	5 1/2	20 & 17	12118	1175	Circulated

1. MIRU Pulling Unit. Install BOP. Load hole w/prod. water.
2. RUN GR + JB (5 1/2: 17# csg) to 12,000'. Run 5 1/2" CIBP on WL, Set at 12,000.
3. Run dump bailer, dump 4 sx Class 'H' cmt w/0.2% HR-4 (Den 15.6 PPG, yield 1.18 CU Ft./SK) on CIBP. Est new PBTD 11,964' (36 cmt).
4. Run collar log 11,600-11,100' (500' min). Perf 11,442-11,450' (9TTL). Wellex perf Penn w/1 JSPF w/4" DP csg gun as per Lane Wells radioactivity log dated 6/5/52.
5. PU & run 2-7/8" N-80 tbgr w/Bkr RDG Pkr and SN to 11,420'. Spot 100 gals 15% NEHCL 11,420-11,318'. PU to 11,275'. Circ well w/2% KCL water w/5 gals/100 bbls Tret. XC-370 and 5 gals/100 bbls Tret. K-700. Set Pkr.
6. Remove BOP, and NU wellhead. Trap 500# on csg.
7. Western acidize perms 11,402'-11,415' w/1300 gals 15% NEHCL w/1 RCNBS EA 1 1/2 bbl (TTL 20 balls). Desired rate 4 BPM. Flush w/2% KCL water.
8. Swab well in and test. RD & RR.

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 Carmen Muntel Title Production Staff Associate Date 12-6-78

(Date signed for State Use)

APPROVED BY John W. Runyan TITLE Geologist DATE DEC 11 1978

CONDITIONS OF APPROVAL, IF ANY:

NOTE: Verbal approval to begin work given by NMPCC 12-6-78.