

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Ralph S. Cooley

3. ADDRESS OF OPERATOR
 P. O. Box 254, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1650 feet from West line and 1980 feet from North line, Section 19, T9S, R38E.
 At proposed prod. zone 1650 feet from West line and 1980 feet from North line, Section 19, T9S, R38E.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 16 miles East of Cross Roads, New Mexico

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 5,025'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3959 GR

22. APPROX. DATE WORK WILL START* December 27, 1965

5. LEASE DESIGNATION AND SERIAL NO.
 L.C. 065151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Brown "51"

9. WELL NO.
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10. FIELD AND POOL, OR WILDCAT
 Sawyer San Andres Gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 19, T9S, R38E

12. COUNTY OR PARISH
 Lea

13. STATE
 New Mexico

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	28 lb.	400'	225 sacks (Circulate)
7-7/8"	4-1/2"	11.61 lb.	5,025'	800 sacks

Drill 11" hole from surface to approximately 400 feet. Run and cement 8-5/8" circulating cement back to surface. Drill 7-7/8" hole to approximately 5,025 feet. Run 4-1/2" O.D.; 11.60 lb. production casing, cement with 700 sacks regular, 4 sacks aquagel added 100 sacks Incor with Latex added. W.O.C. 48 hours. Test casing. Run gamma-ray neutron logs, tie in and collar log. Perforate production zone, treat with approximately 7,500 gallons acid. Swab back acid and load fluid. Test and complete.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

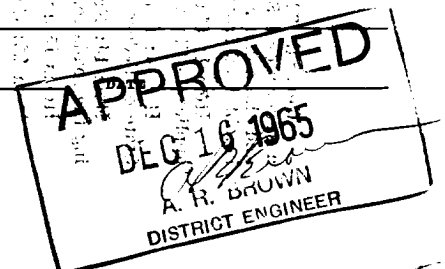
24. SIGNED Ralph S. Cooley TITLE Operator DATE December 10, 1965

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



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