

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
 Texaco Inc.

3. ADDRESS OF OPERATOR
 P. O. Box 3109 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 660'FNL & 1980'FEL, Sec. 5, T-26-S,R-37-E
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 LC-030177 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 -

7. UNIT AGREEMENT NAME
 -

8. FARM OR LEASE NAME (f) (GB)
 C. W. Shepherd Federal

9. WELL NO.
 7

10. FIELD AND POOL, OR WILDCAT
 Langlie-Mattix(7Riv. Qn-GB)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 5, T-26-S, R-37-E

12. COUNTY OR PARISH
 Lea

13. STATE
 New Mexico

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

16. NO. OF ACRES IN LEASE
 1120.3

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 9128'

19. PROPOSED DEPTH
 3600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 2977'

22. APPROX. DATE WORK WILL START*
 October 1, 1982

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# K-55STC	1000'	750 Sacks Circulate
7 7/8"	5 1/2"	15.5# K-55STC	3600'	950 Sacks Circulate

Surface Casing: 550 sxs. Class "H" w/4% gel (13.7 ppg, 1.67 ft³/sx) followed by 200 sxs. Class "H" w/2% CaCl₂ (14.8 ppg, 1.32 ft³/sx). Cement must circulate.

Production Casing: 700 sxs TLW w/8# salt/sx. (12.4 ppg, 1.69 ft³/sx) followed by 250 sxs Class "H" (14.8 ppg, 1.32 ft³/sx).

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U.S. GEOLOGICAL SURVEY

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 R. S. Lane TITLE Asst. Petr. Engr. Manager DATE September 2, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (ORIG. SGD.) DAVID R. GLASS TITLE _____ DATE _____

CONDITIONS OF APPROVAL DEC 22 1982

For JAMES A. GILLHAM DISTRICT SUPERVISOR *See Instructions On Reverse Side

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DEC 30 1982

G.L.G.
HOBBS OFFICE