

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on reverse)

C/SK

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
 Pogo Producing Company ✓

3. ADDRESS OF OPERATOR
 P.O. Box 10340 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1980' FNL & 1980' FWL
 At proposed prod. zone 1980' FNL & 1980' FWL

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 1894.99

16. NO. OF ACRES IN LEASE
 1894.99

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 15,500'

19. PROPOSED DEPTH
 15,500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3533.4' GR

22. APPROX. DATE WORK WILL START*
 June 18, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17 1/2" | 13 3/8" | 48.0 | 500 | 550 SXS |
| 12 1/4" | 9 5/8" | 36.0 | 5,595 | 1700 SXS |
| 8 3/4" | 7" | 26.0 & 23.0 | 12,100 | 1000 SXS |
| 6 1/2" | 5" liner | 23.10 | 15,400 | 300 SXS |

Well was temporarily abandoned December 10, 1979.

Propose to re-enter well and drill to a depth of + 15,500'. Drill stem tests are possible in the Strawn, Atoka and Morrow formations. Adequate logs will be run to evaluate all formations. Completion or abandonment will be performed in accordance with prudent practices and regulatory requirements.

BOP Program: A double ram 1500 series BOP, choke manifold and annular preventor will be used from re-entry depth to TD.

Mud Program: Cut brine to 12,100'. KCL-Polymer system to total depth.

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 A. Williams TITLE Division Operations Manager DATE June 8, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY GEORGE H. STEWART TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
JUN 16 1981
 FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

JUN 09 1981
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D.C.