

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

C/SF

## 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

H. L. Brown, Jr.

## 3. ADDRESS OF OPERATOR

P.O. Box 2237, Midland, Texas 79702

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface  
1980' FNL & 660' FWL of Section 8  
At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

7 miles north of Carlsbad, New Mexico

15. 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

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

## 19. PROPOSED DEPTH

3700

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3220.6' GR

## 22. APPROX. DATE WORK WILL START\*

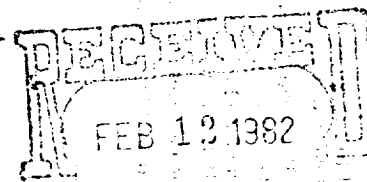
## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Present TD is 11,675' with 5 1/2" casing set to depth. Top of cement at 9450'. Well has Model "DB" production packer at 11,360'. Perf. 5 1/2" casing in Morrow with 1 HPF at 11,422'-11,438' and 11,462'-11,468'. Propose to set plug in packer and leave 25' on top. Set plug at approximately 3700' and perforate 1 shot/ft. 3644'-3656', then test for productivity. If it proves to be productive, then we will test 3532'-3565', 3558'-3566', 3570'-3576'. This would be the Delaware section.

The present well makes an average of 82 MCF per day, but formation water chokes well out.

\* need 150' cement plug across the Woffcamp top at 8800' and the Bone Springs top at 4827', both inside and behind the 5 1/2" casing.  
P.W.C.



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.E. Lively*

TITLE

*Reg. Supt.*

DATE

*2-10-82*

(This space for Federal or State office use)

APPROVED AS AMENDED

PERMIT NO.

*(Orig. Supt. R.E. Lively)*

APPROVAL DATE

APPROVED BY

FEB 19 1982

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side