

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 ☐

## 2. NAME OF OPERATOR

W.A. MONCRIEF, JR. ✓

## 3. ADDRESS OF OPERATOR

400 METRO BLDG., MIDLAND, TEXAS 79701

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

At surface

1907' FNL and 503' FEL

At proposed prod. zone

same

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

approximately 24 miles SW of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\* 1907' to N line of  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT. lease, 503' to E. line  
(Also to nearest drlg. unit line, if any) 503' lease.18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

none

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

4643' GD

## 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# K-55 ST&C	400'±	300 sax - circulate
11 1/2"	8-5/8"	32# K-55 ST&C	3,000'±	1100 sax - circulate
7-7/8"	4 1/2"	11.6# N-80 LT&C	11,100'±	350 sax

1. Proposed drilling program - See Exhibit #1
2. The surface formation is Permian Seven Rivers
3. Estimated tops: Delaware 2950'

Bone Spring Sand 5600'  
3rd Bone Springs Sand 7550'  
Canyon Lime 9500'  
Atoka 10,025'  
Morrow Sand 10,650'  
Bone Springs lime 5150'

2nd Bone Springs Sand 6310'  
Wolfcamp 9150'  
Strawn Lime 9650'  
Morrow 10,400'  
Barnett 10,910'  
Miss. lime 11,325'  
Woodford 11,600'  
Devonian 11,675'

4. Blow out preventer specifications-see Exhibit #2
5. No abnormal pressure zones anticipated.
6. Duration of drilling estimated to be 45 days.
7. Acreage is not dedicated to a gas contract.

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

*Deputy E. Thornton*

TITLE Exploration Manager

DATE 2-8-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY 'Orig. Sgd.' Earl R. Cunningham

District Manager

CONDITIONS OF APPROVAL, IF ANY:

TITLE

RECEIVED  
DEC 22 1983  
FEB 11 1983

APPROVAL SUBJECT TO  
\*See Instructions on Reverse  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

OIL & GAS  
MINERALS MGMT. SERVICE  
ROSWEIL, NEW MEXICO