

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

William B. Barnhill

## 3. ADDRESS OF OPERATOR

Box 1354 - Roswell, New Mexico 88201

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

At surface

660' FNL &amp; 1980' FEL Sec. 1 - T 22S - R 21E, NMPM

At proposed prod. zone

Morrow

Eddy County, New Mexico

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

30 miles SW of Lakewood, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

## 16. NO. OF ACRES IN LEASE

639.52

## 19. PROPOSED DEPTH

9200'

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

319.52

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4599 GR

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

Jan 20, 1977

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
18"	13 3/8"	42#	30'	Circulate
11"	8 5/8"	24# & 32#	1900'	1200 sx circulate
7 7/8"	5 1/2" *	10.50# & 11.50#	9200'	400 sx

\* 5 1/2" csg cementing program will be adjusted to cover any interval having oil or gas show.

BOP program - See attached diagrams.

The acreage dedicated to well is not committed to a gas contract.

RECEIVED

DEC 29 1976

U.S. GEOLOGICAL SURVEY  
ARTEŠIA, NEW MEXICO

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

TITLE

Operator

DATE

Dec. 27, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS VALID IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES AUG 1 1977  
See Instructions On Reverse Side

WATER BASIN  
13 3/8"  
DATE 8/15  
CEMENT BEHIND THE  
CASING MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO  
WITNESS CEMENTING THE 8/15 CASING.

ACTING DISTRICT ENGINEER