

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

Michael P. Grace ✓

## 3. ADDRESS OF OPERATOR

P. O. Box 1418 Carlsbad, New Mexico 88220

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

At surface

1980' FNL &amp; 1980' FEL Sec. 5, T-23-S, R-31-E

At proposed prod. zone

Same as above

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

10. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

950'

## 16. NO. OF ACRES IN LEASE

439.7

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.

N.A.

## 19. PROPOSED DEPTH

4250'

## 20. ROTARY OR CABLE TOOLS

Cable Tools &amp; Rotary

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

3320 GR.

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

May 15, 1974

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 $\frac{1}{2}$ "	13 3/8"	61#	650'	Circulate
12 $\frac{1}{4}$ "	8 5/8"	32#	4250'	Circulate

Propose to drill 17 $\frac{1}{2}$ " hole, starting with cable tools, and continue until rotary rig is available or until 13 3/8" casing is set. Drill remainder of hole with rotary rig using natural mud.

If Delaware Sand is productive, 8 5/8" casing will be set at TD and completion attempted.

BOP will be used below surface casing.

RECEIVED

APR 26 1974

U. S. GEOLOGICAL SURVEY  
ARTESIA, 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

*Robert W. Becker*

TITLE

Agent

DATE

4-26-74

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: