

UNITED STATES  
DEPARTMENT OF THE INTERIOR

## GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

~~DRILL~~ ☒ REENTER DEEPEN ☒ PLUG BACK ☐

## b. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

## 2. NAME OF OPERATOR

Grace Petroleum Corporation

## 3. ADDRESS OF OPERATOR

P. O. Drawer 2358, Midland, Texas 79702

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

At surface 1980' FSL &amp; 660' FEL

~~(Alternate location: 2030' FSL & 660' FEL)~~

At proposed prod. zone

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

14.5 miles northeast of Halfway, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST 660' to lease line  
PROPERTY OR LEASE LINE, FT. 660' to unit line  
(Also to nearest drlg. unit line, if any)

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 1320'  
(well P&A)

## 16. NO. OF ACRES IN LEASE

160 acres

## 19. PROPOSED DEPTH

14,600'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160 acres

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3649' GR

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

12-15-78

## 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#	845'	575 sx
12 1/4"	9 5/8"	53.5#	5200'	1800 sx (circulate - 2 stages)
7 7/8"	5 1/2"	17 & 20#	14600'	1200 sx

\* 13 3/8" csg set and cemented in September 1963.

GEOLOGICAL SURVEY  
NEW MEXICO

See attached sheet for casing and cementing programs. The well will be drilled to a depth of 14,600' to test the Devonian. Dual 1500 series ram type blowout preventers and one Hydril will be used.

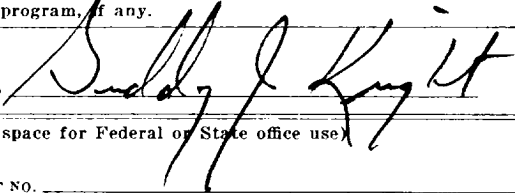
NSL R-5407

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

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 District Production Mgr.

DATE 11-6-78

(This space for Federal or State office use)

## PERMIT NO.

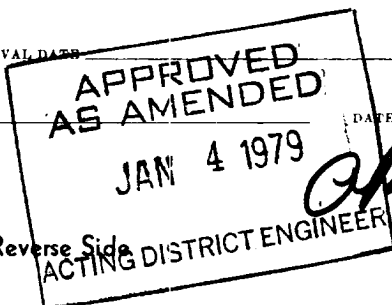
## APPROVAL DATE

## APPROVED BY

## TITLE

## DATE

CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side