

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  
ZONEMULTIPLE  
ZONE

## 2. NAME OF OPERATOR

WARRIOR, INC.

## 3. ADDRESS OF OPERATOR

125 Midland Tower, Midland, Texas, 79701

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

At surface

990' FNL &amp; 330' FEL, Sec. 27, T-20-S, R-36-E, N.M.P.M.

At proposed prod. zone

Eumont Seven Rivers Queen

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

9 Miles South &amp; West of Monument, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 330

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT. 660

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

3580' GR.

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	28#	330'	250 sx. Circulate
7-7/8"	4-1/2"	10.5#	4100'	1000 sx. Circulate

Drill 12-1/4" hole to 330' using fresh water and native mud. Run 8-5/8" casing cement. & circulate to surface with 250 sx. Class C Plus 2% Ca Cl. WOC 12 hrs. test to 1500' for 30 minutes. Drill 7-7/8" hole to total depth, 4100', mud program as follows:

- 0-330' Fresh water and native mud.
- 330-3900' Drill out with fresh water, mix 1 sx. paper for every 100' drilled, maintain viscosity @ 31-33 sec./10000 c.c.; at 1000' add 25 barrels crude oil, each day thereafter add 3 to 5 barrels of oil per day to the mud system. Use defoamed only as needed to maintain pump pressure.
- 3900-4100' at 3900' mix starch to lower water loss to 10-15 cc/30 minutes, maintain viscosity @ 36-37 sec./1000 cc.

APPROVAL TO  
WHILE DRILLING AND TESTING.

Open hole logs will be run; logs will be Sidewall Neutron and Gamma Ray Caliper log, Run 4-1/2", 10.5# K-55 (New) casing to 4100'. Cement with 1000sx Class C salt saturated cement. Wait on cement 24 hrs. Attached are BOP requirements, csg., schematic & rig layout.

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

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

SEE ATTACHED FOR  
CONDITIONS OF APPROVALAPPROVED  
AS AMENDED  
NOV 8 1977  
ARTHUR R. BROWN  
DISTRICT ENGINEER

\*See Instructions On Reverse Side

Commenced, this drilling approval  
Expires 2-8-78

RECEIVED

1-13-77

OIL CONSERVATION COMM.  
HOBBS, N. M.