

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

GULF OIL CORPORATION

## 3. ADDRESS OF OPERATOR

P. O. Box 670, Hobbs, New Mexico 88240

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

At surface

2280' FNL &amp; 660' FWL of Sec. 31, T-19-S, R-28-E

At proposed prod. zone

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

Approximately 12 miles North of Carlsbad, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(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.

## 16. NO. OF ACRES IN LEASE

320 921.78

## 19. PROPOSED DEPTH

11,200'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3391' GL

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

7/1/78-8/1/78

## 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#	420'	350 sx
12-1/4"	8-5/8"	24#	3,000'	1200 sx
7-7/8"	5-1/2"	17#	11,200'	To be determined by caliper survey. Sufficient to bring top of cmt to 8500'.

NOTE: See Attached BOP Drawing No. 4

Circulating Media: 0' - 420'  
420' - 3,000'  
3,000' - 10,000'  
10,000' - 11,200'

Fresh water spud mud.

Fresh water.

Brackish water.

Salt water polymer with the following  
properties: Viscosity, 34-38 seconds;  
Weight, 9.6-10.6 ppg; Water Loss, 5 cc's  
or less. Heavier weight mud will be used  
if required by well conditions.

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

*W. E. Baird*

TITLE Area Production Manager

DATE 6-8-78

(This space for Federal or State office use)

RECEIVED JUL 06 1978

PERMIT NO.

APPROVAL DATE

APPROVED BY

*Albert R. Hall*

ACTING DISTRICT ENGINEER

DATE JUL 06 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
OCT 06 1978  
EXPIRES

\*See Instructions On Reverse Side