

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

Cities Service Oil Company

## 3. ADDRESS OF OPERATOR

P. O. Box 1919 - Midland, Texas

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

At surface 2310' FNL, 660' FWL of Sec. 27, T-21-S, R-27-E, Eddy

County, New Mexico

At proposed prod. zone

same as above

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

2-1/2 miles Northeast of Carlsbad, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

2310' South

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

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## 16. NO. OF ACRES IN LEASE

4952

## 19. PROPOSED DEPTH

11,750

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3217.2' GR

Sec. 27, T-21-S, R-27-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

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

January 5, 1977

## 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	600'	500 sacks (circulated)
12-1/4"	8-5/8"	24 & 32	3000'	1300 sacks (circulated)
7-7/8"	5-1/2"	17 & 20	11,680'	720 sacks (TC at 8200')

It is proposed to drill this well to a T.D. of 11,750' and test the Morrow Formation.

The blowout prevention program is as follows:

1. One set of blind rams.
2. One set of drill pipe rams.
3. One Hydril.
4. One rotating head.

The acreage allocated to this well is not dedicated to any gas gatherer.

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 prevention program, if any.

## 24.

SIGNED

*E. Spindler*

TITLE

Region Oper. Manager

DATE 12-7-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES APR 11 1977

ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side

DECLARED WATER BASIN  
13 3/4'  
8 3/4'  
CEMENT BEHIND THE  
CASING MUST BE CIRCULATED  
DATE 8 3/4'  
NOTIFY USGS IN SUFFICIENT TIME TO  
WITNESS CEMENTING THE CASING.