

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 79702

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

At surface 660' FNL, 1980' FEL of Sec. 7, T21S, R22E,

Eddy County, New Mexico

At proposed prod. zone

Same as above

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

Approximately 30 miles West of Carlsbad, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

660' North

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

2640' South

## 16. NO. OF ACRES IN LEASE

1520.64

## 19. PROPOSED DEPTH

8310'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

280.36

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4375' GR

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

July 1, 1977

## 5. LEASE DESIGNATION AND SERIAL NO.

NM-12241-A

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

Little Box Canyon Unit

## 8. FARM OR LEASE NAME

## 9. WELL NO.

3

## 10. FIELD AND POOL, OR WILDCAT

Little Box Canyon (Morrow)

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 7, T-21S, R-22E

## 12. COUNTY OR PARISH

Eddy

## 13. STATE

New Mexico

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JUL 7 1977

O. G. C.

ARTESIA, OFFICE

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13-3/8"	48#	30'	3 yds. Redi-Mix (Circulated)
11"	8-5/8"	24#	1800'	1000 sacks (Circulated)
7-7/8"	5-1/2"	15.5# & 17#	8310'	1000 sacks (TC at 5500')

It is proposed to drill this well to a T.D. of 8310'. The blow-out prevention program is as follows:

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

The acreage assigned to this well is not dedicated to a gas producer.

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MAY 18 1977

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 prevention program, if any.

## 24.

SIGNED

*E. Spindler*

TITLE Region Operations Manager DATE May 16, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

JUL 6 - 1977

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACTING DISTRICT ENGINEER

DATE JUL 6 - 1977

DECLARED WATER BASIN

13 3/4"

\*See Instructions On Reverse Side

NOTIFY USGS IN SUFFICIENT TIME TO

CEMENT BEHIND THE 4 5/8"

WITNESS CEMENTING THE 5 5/8" CASING

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES OCT 6 - 1977