

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
N. M. O. C. C. COPY  
SUBMIT IN TRIPLICATE\*  
(Office instructions on reverse s.)Form approved.  
Budget Bureau No. 42-R1425.

30-015-21774

|  |  |   |
|--|--|---|
| <b>APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK</b>   |  |   |
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |  |   |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>    |  |   |
| 2. NAME OF OPERATOR<br>Cities Service Oil Company ✓  |  |   |
| 3. ADDRESS OF OPERATOR<br>Box 1919 - Midland, Texas 79701  |  |   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>1980' FSL & 1980' FWL of Sec. 10-T20S-R28E, Eddy Co., New Mexico<br>At proposed prod. zone<br>Same as above |  |   |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>Approx. 10-1/2 miles Northeast of Carlsbad, New Mexico  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM 15003                       |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)<br>1980' W & S   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |
| 16. NO. OF ACRES IN LEASE<br>320 acres   |  | 7. UNIT AGREEMENT NAME  |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>320 acres  |  | 8. FARM OR LEASE NAME<br>Government AB                                |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br>2640' East  |  | 9. WELL NO.<br>3  |
| 19. PROPOSED DEPTH<br>11500'   |  | 10. FIELD AND POOL, OR WILDCAT<br>Und. Burton Flat Morrow             |
| 20. ROTARY OR CABLE TOOLS<br>Rotary  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 10-T20S-R28E |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>3275' GR   |  | 12. COUNTY OR PARISH<br>Eddy  |
| 22. APPROX. DATE WORK WILL START*<br>April 15, 1976  |  | 13. STATE<br>New Mexico   |

## 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#             | 400'          | 750 sacks (circulated)       |
| 12-1/4"      | 8-5/8"         | 24 & 32#        | 3000'         | 1000 sacks (circulated)      |
| 7-7/8"       | 5-1/2"         | 17 & 20#        | 11500'        | 750 sacks (TC approx. 8200') |

It is proposed to drill this well to a T.D. of 11500' 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.

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O. C. C.  
ARTESIA, OFFICE

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MAR 16 1976

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

The acreage dedicated to this well is not dedicated to any gas purchaser.

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 E. J. Spindler TITLE Region Operation Manager DATE March 15, 1976  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_THIS APPROVAL IS EXTENDED TO OPERATIONS  
ARE NOT COMPLETED WITHIN 3 MONTHS.  
EXPIRES JUN 30 1976

DATE \_\_\_\_\_

APPROVED  
MAR 31 1976T. E. BEEKING  
ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side