

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED BY  
SUBMIT IN PLICATE\*  
(Other instructions on reverse side)  
DEC 26 1984  
O. C. D.  
ARTESIA, OFFICE

Form approved.  
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                                         |                                     |                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------|
| 1a. TYPE OF WORK<br>DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>                                                                                        |                                     | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM 24945                         |
| 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"/> |                                     | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                    |
| 2. NAME OF OPERATOR<br>TXO Production Corp. ✓                                                                                                                                                                           |                                     | 7. UNIT AGREEMENT NAME                                                  |
| 3. ADDRESS OF OPERATOR<br>900 Wilco Bldg                                                                                                                                                                                |                                     | 8. FARM OR LEASE NAME<br>Federal E                                      |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)<br>At surface<br>2310 FNL 1980 FWL<br>At proposed prod. zone                                                              |                                     | 9. WELL NO.<br>1                                                        |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>3 miles west of Carlsbad, NM                                                                                                                   |                                     | 10. FIELD AND POOL, OR WILDCAT<br>Happy Valley (Morrow)                 |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)<br>660                                                                                            | 16. NO. OF ACRES IN LEASE<br>320    | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec 4 T-22-S R-26-E |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br>N/A                                                                                                    | 19. PROPOSED DEPTH<br>10500 PBD     | 12. COUNTY OR PARISH<br>Eddy                                            |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>DF 3232                                                                                                                                                               | 20. ROTARY OR CABLE TOOLS<br>Rotary | 13. STATE<br>NM                                                         |
| 22. APPROX. DATE WORK WILL START*<br>1-5-85                                                                                                                                                                             |                                     |                                                                         |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17 1/2       | 12 3/8         | 48#             | 528           | 535 sx             |
| 12 1/4       | 9 5/8          | 40#             | 2677          | 1850 sx            |
| 7 7/8        | 4 1/2          | 11.6 & 13.5     | 11294         | 600 sx             |

TOH w/ tbq & pkr  
TIH w/CIBP Set @ 10800 capped w/35' cmt  
TIH w/pkr & set @ 10200  
Perforate Atoka as follows:  
10334-40 2 spf  
Acidize & flow test

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 Lane Giff TITLE Production Engineer DATE 12-20-84  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY L. Mark Hollen TITLE Chief DATE 12-24-84  
CONDITIONS OF APPROVAL, IF ANY: cf

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.