

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                         |  |  |                                                                                    |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------|--|--|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>                        |  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF 080673                                   |  |  |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                        |  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                               |  |  |
| 2. NAME OF OPERATOR<br>El Paso Natural Gas Company                                                                                                      |  |  | 7. UNIT AGREEMENT NAME<br>San Juan 27-4 Unit                                       |  |  |
| 3. ADDRESS OF OPERATOR<br>Box 990, Farmington, New Mexico - 87401                                                                                       |  |  | 8. FARM OR LEASE NAME<br>San Juan 27-4 Unit                                        |  |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface IS 1775'N, 1474'E<br>At proposed prod. zone |  |  | 9. WELL NO.<br>40                                                                  |  |  |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*                                                                                   |  |  | 10. FIELD AND POOL, OR WILDCAT<br>Basin Dakota                                     |  |  |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)                                   |  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 6, T-27-N, R-4-W N.M.F.M. |  |  |
| 16. NO. OF ACRES IN LEASE                                                                                                                               |  |  | 12. COUNTY OR PARISH                                                               |  |  |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL                                                                                                                  |  |  | 13. STATE                                                                          |  |  |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.                                           |  |  | 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*              |  |  |
| 19. PROPOSED DEPTH<br>8290'                                                                                                                             |  |  | 20. ROTARY OR CABLE TOOLS<br>Rotary                                                |  |  |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>7002' GL                                                                                              |  |  | 22. APPROX. DATE WORK WILL START*<br>8-27-68                                       |  |  |
| 23. PROPOSED CASING AND CEMENTING PROGRAM                                                                                                               |  |  |                                                                                    |  |  |

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT          |
|--------------|----------------|-----------------|---------------|-----------------------------|
| 13 3/4"      | 9 5/8"         | 32.30#          | 200'          | 145 Sks. to circulate       |
| 8 3/4"       | 7"             | 20#             | 4130'         | 135 Sks. to cover Cjo Alamo |
| 6 1/4"       | 4 1/2"         | 10.5 & 11.6#    | 8290'         | 340 Sks. to cover to 4130'  |

Selectively perforate and sand water fracture the Dakota formation.

The E/2 of Section 6 is dedicated to this well.

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.

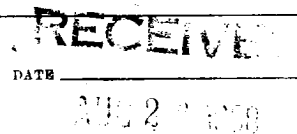
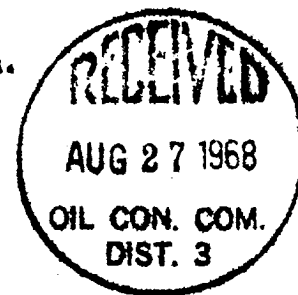
24. Original signed by  
SIGNED Carl E. Matthews TITLE Petroleum Engineer DATE 8-26-68

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:



## 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 and 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 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.