

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-20377

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  
**El Paso Natural Gas Company**

3. ADDRESS OF OPERATOR  
**Box 990, Farmington, New Mexico 87401**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface **1030'N, 990'E**  
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**320.00**

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

19. PROPOSED DEPTH  
**7490'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6669' GI**

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

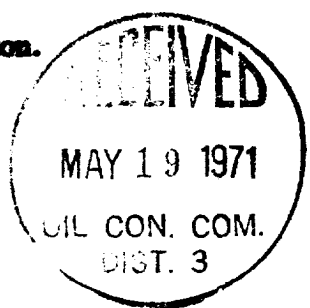
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	200'	190 Sks. to circulate
8 3/4"	4 1/2"	10.5 & 11.6#	7490'	685 Sks. - 3 Stages

Production Casing Cementing:

First Stage w/290 sacks to fill from total depth to top of the Gallup formation.  
 Second stage w/210 sacks to cover the Mesa Verde formations.  
 Third stage w/185 sacks to cover the Pictured Cliffs formations.

Selectively perforate and sand water fracture the Dakota formation.

The E/2 of Section 28 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.

SIGNED Official Signed F. H. Wood TITLE Petroleum Engineer DATE May 14, 1971

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE MAY 18 1971

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 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.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAN

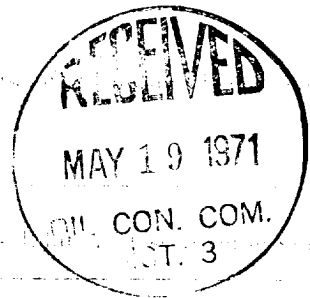
EL PASO NATURAL GAS COMPANY

VAUGHN

(SF-079266)

15

A 28 26-N 6-W RIO ARRIBA  
1030 NORTH 990 EAST  
6669 DAKOTA BASIN DAKOTA 320.00



1. The acreage dedicated to the subject well by colored pencil is shown on this plan.

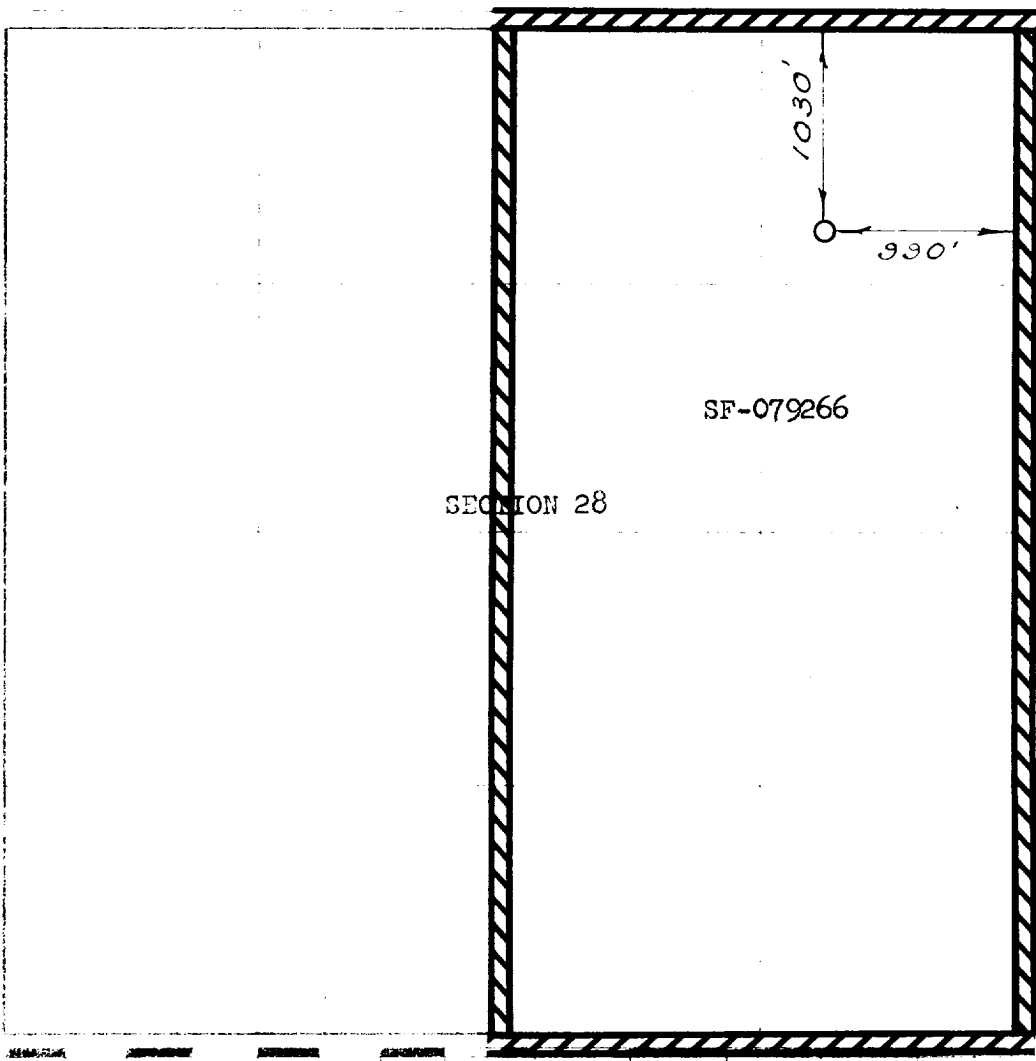
2. The acreage shown is defined by the well outline and the center line of the well.

3. If more than one lease of different ownership is dedicated to the well, the interests must be so indicated on this plan and on the application.

4. Yes  No  If answer is "Yes" type of conservation \_\_\_\_\_

5. If answer is "No" for the reasons and facts described below I have indicated the type of conservation \_\_\_\_\_

6. If any acreage is assigned to the well and if any interests have been so indicated, the acreage and interests are being dedicated to the well and the interests are being so dedicated, unless otherwise indicated in writing, to be approved by the Commission.



Original Signed F. H. WOOD  
**Petroleum Engineer**  
**El Paso Natural Gas Company**  
**May 14, 1971**

MARCH 25, 1970

*[Handwritten signature]*  
1760