

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-⁶⁴⁵~~247~~-30282
5. LEASE DESIGNATION AND SERIAL NO.

SF 078429

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

1650'N, 1750'W

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

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

6584' GL

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320.00

20. ROTARY OR CABLE TOOLS

Rotary

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
12 1/4"	8 5/8"	24#	200'	170 Sks. to circulate
7 7/8"	4 1/2"	10.5#	6800'	650 Sks - 3 stages

Production Casing Cementing:

First Stage w/250 sacks to fill from total depth to top of the Gallup Formation.
Second stage w/220 sacks to cover the Mesa Verde formation
Third stage w/180 sacks to cover the Pictured Cliffs formation to the top of the
Kirtland formation.

Selective zones in the Dakota formation will be perforated and sand-water fractured.

The W/2 of Section 22 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
Carl E. Matthews

TITLE Petroleum Engineer

DATE 5-16-68

SIGNED

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAY 17 1968

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.

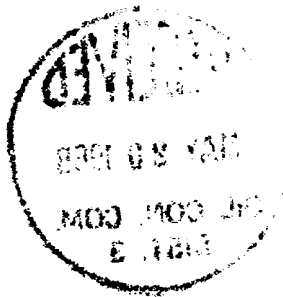
Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator **EL PASO NATURAL GAS COMPANY** Lease **HUERFANO UNIT** Well No. **178**
Unit Letter **F** Section **22** Township **25-N** Range **10-W** County **SAN JUAN**
Actual Footage Location of Well **1650** feet from the **NORTH** end of the **WEST** line of the **DAKOTA** **BASIN-DAKOTA** formation. Deducted Average **320.00**
Ground Level Elev. **6584** Elevation of Well **1750**

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and certify the ownership interest (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of the owners been consolidated by communication, unitization, forced-pooling, etc?

Yes ☒ No ☐ If answer is "yes," type of consolidation **Unitization**
If answer is "no," list the owners and tract descriptions which have actually consolidated. Use reverse side of this form if necessary.

No allowance will be assigned to the well until all interests have been consolidated (by communication, unitization, forced-pooling, or otherwise) or until a non-storied unit, eliminating such interests, has been approved by the Commission.

NOTE: THIS PLAT REISSUED TO SHOW CORRECTED ELEVATION 5-7-68

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Original signed by
Carl E. Matthews

Petroleum Engineer

El Paso Natural Gas Company

May 16, 1968

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

JANUARY 22, 1968

Reginald B. Parker, Jr., Engineer
and/or Land Surveyor

Reginald B. Parker, Jr.

