

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

PO Box 990, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1500'N, 850'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)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL317.92 ¹⁸18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6478'

20. ROTARY OR CABLE TOOLS

Rotary

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

6478'GR

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"	24.0#	200'	182 cu. ft. to circulate
7 7/8"	4 1/2"	10.5#	6478'	1380 cu. ft. - 3 stages

Production Casing Cement:

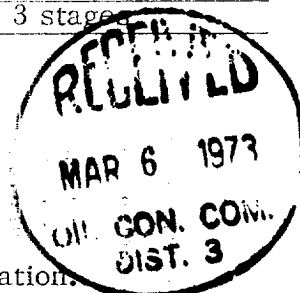
1st stage - 347 cu. ft. to cover the Gallup formation.

2nd stage - 662 cu. ft. to cover the Mesa Verde formation.

3rd stage - 371 cu. ft. to cover the Pictured Cliffs formation.

It is planned to selectively perforate and sandwater fracture the Dakota formation.

The W/2 of Section 31 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. SIGNED F H Wood TITLE Petroleum EngineerDATE March 5, 1973

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:



EL PASO NATURAL GAS COMPANY

HUELLEMAN UNIT

(SF-078372)

243

E

31

26-N

10-W

SAN JUAN

1500

NORTH

850

WEST

6473

DAKOTA

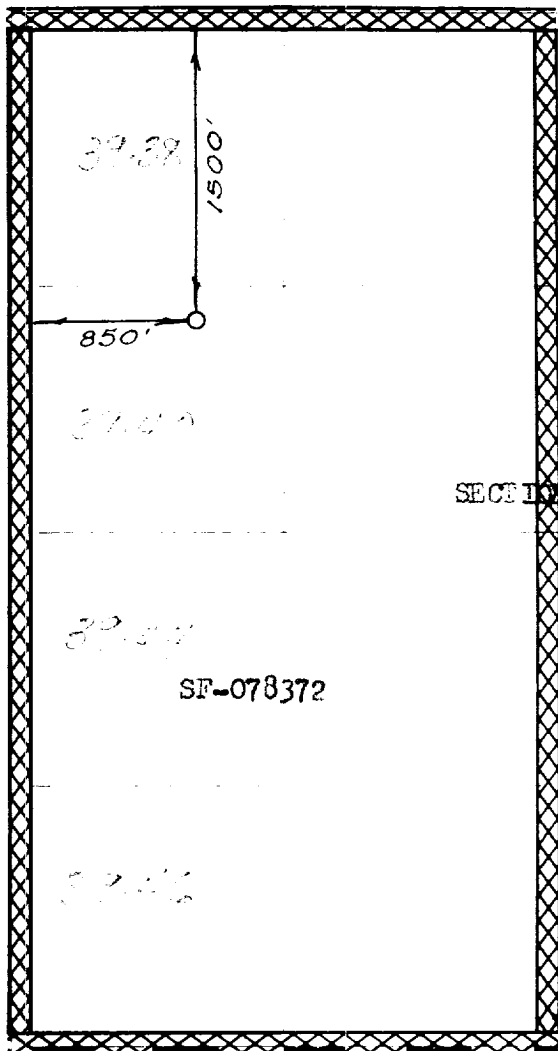
BASIN DAKOTA

317.68

1. Outline the acreage of the unit and the location of the unit on the map.
2. If more than one unit is included, the unit must be described by its location, interest and royalty.
3. If more than one unit is included, the unit must be described by its location, interest and royalty.

X Yes N No Unitization

If answer is "No", the unit must be described by its location, interest and royalty. If answer is "Yes", the unit must be described by its location, interest and royalty. No allowable will be given for the unit if it is not described by its location, interest and royalty. forced-pooling, or otherwise, and if it is not described by its location, interest and royalty.



Original Signed F. H. WOOD
Petroleum Engineer
El Paso Natural Gas Co.
March 5, 1973

JANUARY 22, 1973

[Signature]
1760