

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

Box 289, Farmington, New Mexico 87401

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

At surface

990'N, 1650'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.

## 16. NO. OF ACRES IN LEASE

## 19. PROPOSED DEPTH

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

## 20. ROTARY OR CABLE TOOLS

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

5893' DF

## 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"	25.4	133	100 Sks. Circulated
7 7/8"	5 1/2"	15.5	2229	150 Sks - Top of Cement @ 1375
6 1/4"	Open Hole Section		2229-2292	--

This well is presently completed in the Pictured Cliffs formation at a total depth of 2292'. It is now intended to plug the Pictured Cliffs because of non-commercial production and complete in the Fruitland formation in the following manner:

Pull Tubing. Spot a 25 sk cement plug in the open hole section to fill inside 5 1/2" casing to 2100'. WOC 18 hours. Top of Pictured Cliffs formation at 2198'.

Run bit and clean out to 2100' and run logs. Pressure test production casing to 3500 psi.

Case #1: If pressure test holds; selectively perforate and sand water fracture the Fruitland formation from 1995-2010' and 2025-2040'. Clean out and run a new string of 1 1/4" tubing.

Case #2: If pressure test does not hold; run a full string of 2 7/8" casing cemented w/sufficient volume to circulate cement back to the surface. W.O.C. 18 hours. Selectively perforate & sand water fracture the Fruitland formation as in Case #1.

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

*L.A. Aimes*TITLE Petroleum EngineerDATE 5-4-79

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

APPROVED

MAY 1979

P. T. McGRATH  
DISTRICT ENGINEER

\*See Instructions On Reverse Side

N-MOCC

