

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 990, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1840'N, 842'W
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10 Mi. NE Bloomfield

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 842'

16. NO. OF ACRES IN LEASE 838

17. NO. OF ACRES ASSIGNED TO THIS WELL 153.45

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 700'

19. PROPOSED DEPTH 2850'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6278' GL

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# J-55	140'	90 Sks. Circulated to Surface
6 3/4"	2 7/8"	6.4# K-55	3062'	192 Sks. - Top @ 1700'

This well was originally completed in the Pictured Cliffs formation. It is now intended to plug back to the Fruitland in the following manner:

Squeeze Pictured Cliffs perforations down 2 7/8" casing w/75 sacks of cement. (P. C. perforations - 2970-86, 3012-20, 3030-38').

Displace cement to 2850' (Top of P. C. 2960').

W. O. C. 18 hours, pressure test to 4000 psi.

Selectively perforate and sand water fracture the Fruitland formation.

VERBAL APPROVAL RECEIVED FROM P. T. MC GRATH 9-11-78

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 D. G. Duice TITLE Drilling Clerk DATE 9-11-78

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Dual

NMOCC

