

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 04266 04226		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> / OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR El Paso Natural Gas Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR Box 289, Farmington, New Mexico 87401			8. FARM OR LEASE NAME McManus		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1290'S, 1340'E At proposed prod. zone			9. WELL NO. 4		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T-26-N, R-8-W N. M. P. M.		
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			19. PROPOSED DEPTH		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6365' DF			20. ROTARY OR CABLE TOOLS		
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"	23.0#	99'	75 sx, circ. surface
7 7/8"	5 1/2"	14.0#	2060'	100 sx, calc. cmt. top @ 1380'
open hole section			2060-2149'	-----

This well is presently completed in the Pictured Cliffs formation at a total depth of 2149'. It is now intended to plug the PC because of non-commercial production and complete the Fruitland formation in the following Manner:

Pull tubing. Set cement retainer at 2040' and squeeze off PC with cement. Top of PC @ 2060'. Pressure test 5 1/2" casing to 3500 psi.

Case #1: If press test holds; selectively perforate and sand water frac the Fruitland formation from 1930-42', 1968-78' and 1995-2008'. Cleanout and run a new string of 1 1/4" tubing.

Case #2: If press test fails; run a full string of 2 7/8" casing @ approximately 2040' and cement with sufficient volume to circulate cement to surface. WOC 18 hours. Selectively perforate and sand water frac 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 [Signature] TITLE Drilling Clerk DATE July 31, 1979

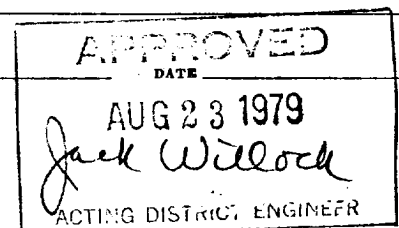
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE NM OIL  
OPERATOR

\*See Instructions On Reverse Side



NEW MEXICO OIL CONSERVATION COMMISSION  
WE LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-55

All distances must be from the outer boundaries of the Section.

Operator <b>EL PASO NATURAL GAS COMPANY</b>			Lease <b>MC MANUS (NM-04226)</b>		Well No. <b>4</b>
Unit Letter <b>0</b>	Section <b>19</b>	Township <b>26-N</b>	Range <b>8-W</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1290</b> feet from the <b>SOUTH</b> line and <b>1340</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6359</b>	Producing Formation <b>FRUITLAND</b>		Pool <b>UNDESIGNATED FRUITLAND</b>	Dedicated Acreage: <b>160.00</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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

NOTE: THIS PLAT IS REISSUED  
TO SHOW CHANGE IN PRODUCING  
FORMATION. 8-14-79

SECTION 19

NM-04226

1340'

1290'

CERTIFICATION

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

*D. G. Diisco*  
Name

Drilling Clerk  
Position

El Paso Natural Gas Co.  
Company

August 29, 1979  
Date

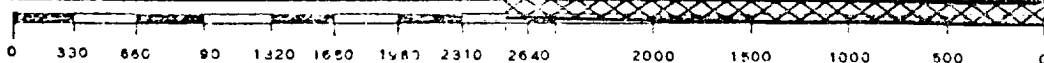
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
AUGUST 1954

Registered Professional Engineer  
and/or Land Surveyor

NOT KNOWN

Certificate No.



NW 1/4 Sec 19