

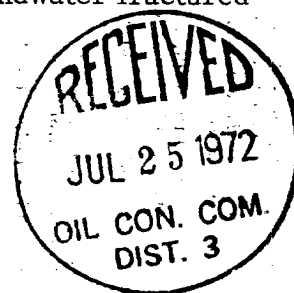
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 078883		
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 Canyon Largo Unit		
3. ADDRESS OF OPERATOR PO Box 990, Farmington, NM 87401		8. FARM OR LEASE NAME Canyon Largo Unit		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1100'N, 800'E At proposed prod. zone		9. WELL NO. 169		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT So. Blanco Pictured Cliffs & Otero Chacra		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 4, T-25-N, R-6-W NMPM		
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 161.41		13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary		
19. PROPOSED DEPTH 3895'		22. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6735'GL				
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"	32.3#	120'	140 cu. ft. to circulate
8 3/4"	2 7/8"	6.4#	2915'	355 cu. ft. to cover Ojo Alan
6 3/4"	2 7/8"	6.4#	3895'	300 cu. ft. to fill to 2915'

This well will be equipped with two parallel strings of 2 7/8" production casing. Pay zones in the Pictured Cliffs and Chacra will be selectively perforated and sandwater fractured and the well will be completed as a Pictured Cliffs - Chacra dual.

The NE/4 of Section 4 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

TITLE

Petroleum Engineer

DATE

July 20, 1972

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

EL PASO NATURAL GAS COMPANY

CANYON LARGO UNIT

(SF-078883)

169 (P-C)

A

4

25-N

6-W

RIO ARRIBA

1100

NORTH

800

EAST

6735

PICTURED CLIFFS-CHACRA

SO. BLANCO-P C & CTERO CHACRA 161.41 & 161.41

Outline the acreage of the well to be dedicated to the well by colored pencil or ink on this plat.

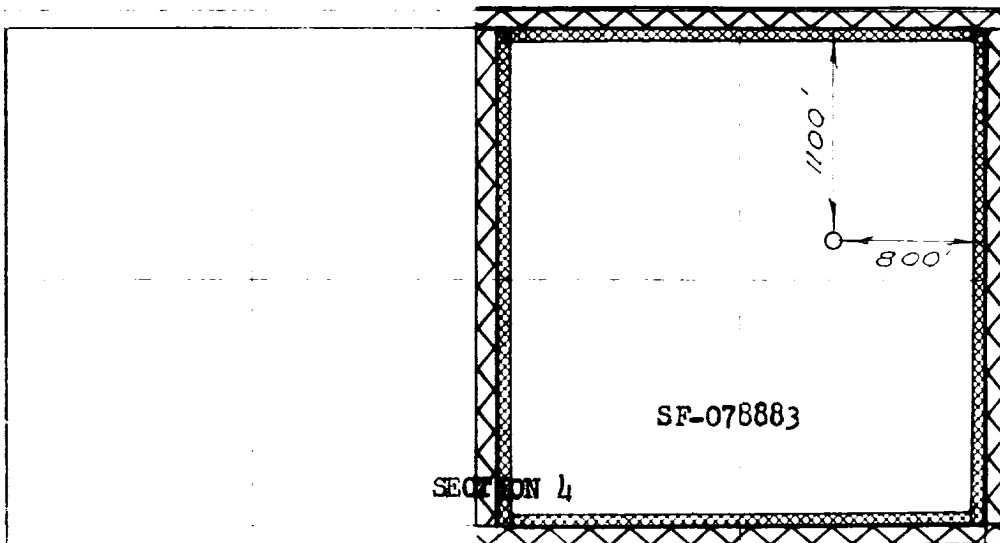
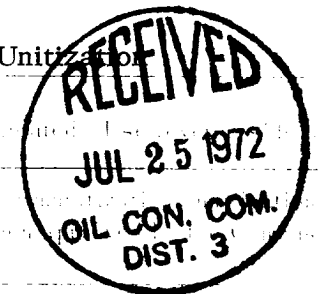
If more than one lease is dedicated to the well, outline each and show the proportion of interest and royalty.

If more than one lease or interest ownership is dedicated to the well, show the proportion of interest and royalty.

X Yes No If answer is "yes" type or consolidate Unitization

If answer is "no", show the owners and tract descriptions which have not been included on this form if necessary.

Will the well be assigned to the well with all interests have been included in the pooling, or if not, show the non-standard unit, eliminating such interests, has been shown.



Original Signed F. H. WOOD

Petroleum Engineer

El Paso Natural Gas Co.

July 20, 1972

MAY 21, 1972

Russell W. McLeave
1500