

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-20531

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

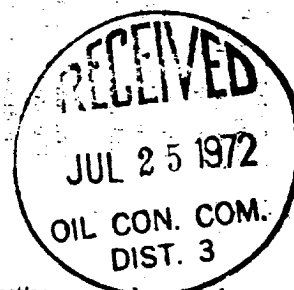
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 078885
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" 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 1500'N, 900'W At proposed prod. zone		9. WELL NO. 177
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 drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, 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 160		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 3815'
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6692'GL
22. APPROX. DATE WORK WILL START*		

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#	2835'	440 cu. ft. to cover Ojo Alamo
6 3/4"	2 7/8"	6.4#	3815'	300 cu. ft. to fill to 2835'

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 NW/4 of Section 10 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 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: OK

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

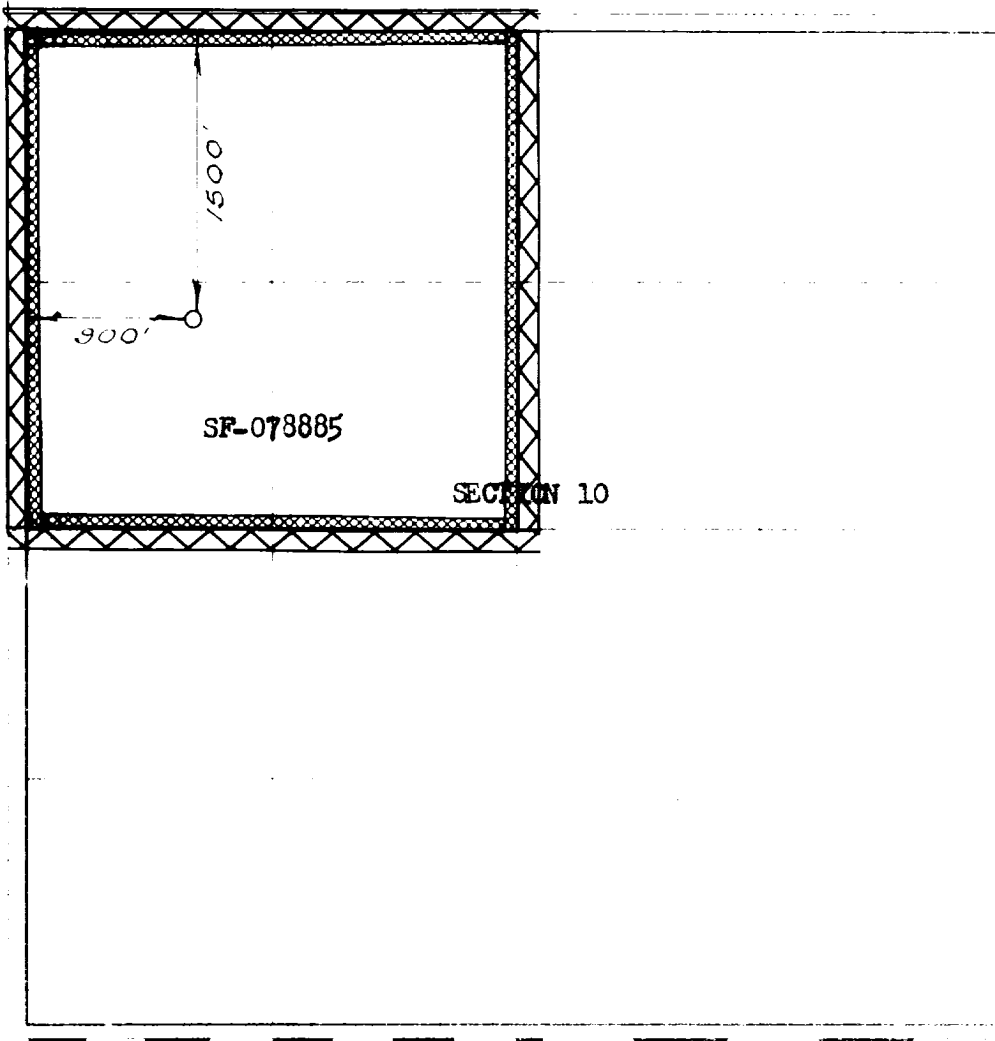
EL PASO NATURAL GAS COMPANY		CANYON LARGO UNIT		(SF-078885)	177(P-C)
E	10	25-N	6-W	RIO ARRIBA	
1500	NORTH		900	WEST	
6692	PICTURED CLIFFS-CHACRA		SO. BLANCO-P C & OTERO CHACRA 160.00 & 160.00		

1. Outline the acreage dedicated to the subject well by colored pencil or crayon on the plat.
2. If more than one lease is dedicated to the well, outline each one showing the interest and royalty.
3. If more than one lease of different ownership is dedicated to the well, indicate the interests of each owner as indicated by communitization, unitization, etc., as applicable.

X Yes No If answer is "yes" type of consolidation _____ Unitization _____

If answer is "no," list the owners and their descriptions of all have interest in the well on this form if necessary.

No allowable will be assigned to the well until all interests have been assigned, pooled, communitized, unitized, or otherwise set on a non-standard unit, all having the same ownership.



Original Signed F. H. WOOD
Petroleum Engineer
El Paso Natural Gas Co.
July 20, 1972

JUNE 7, 1972

Russell H. McLean
1500