

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

PO Box 990, Farmington, NM 87401

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

At surface

1650'N, 850'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 drilg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

6450'GL

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160.00

19. PROPOSED DEPTH

3150'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

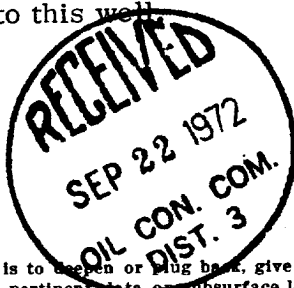
23.

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#	120'	107 cu. ft. to circulate
6 3/4"	2 7/8"	6.4#	3150'	366 cu. ft. to cover Ojo Alamo

Selectively perforate and sandwater fracture the Pictured Cliffs formation.

the NW/4 of Section 21 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

September 21, 1972

(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



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
1-6-72

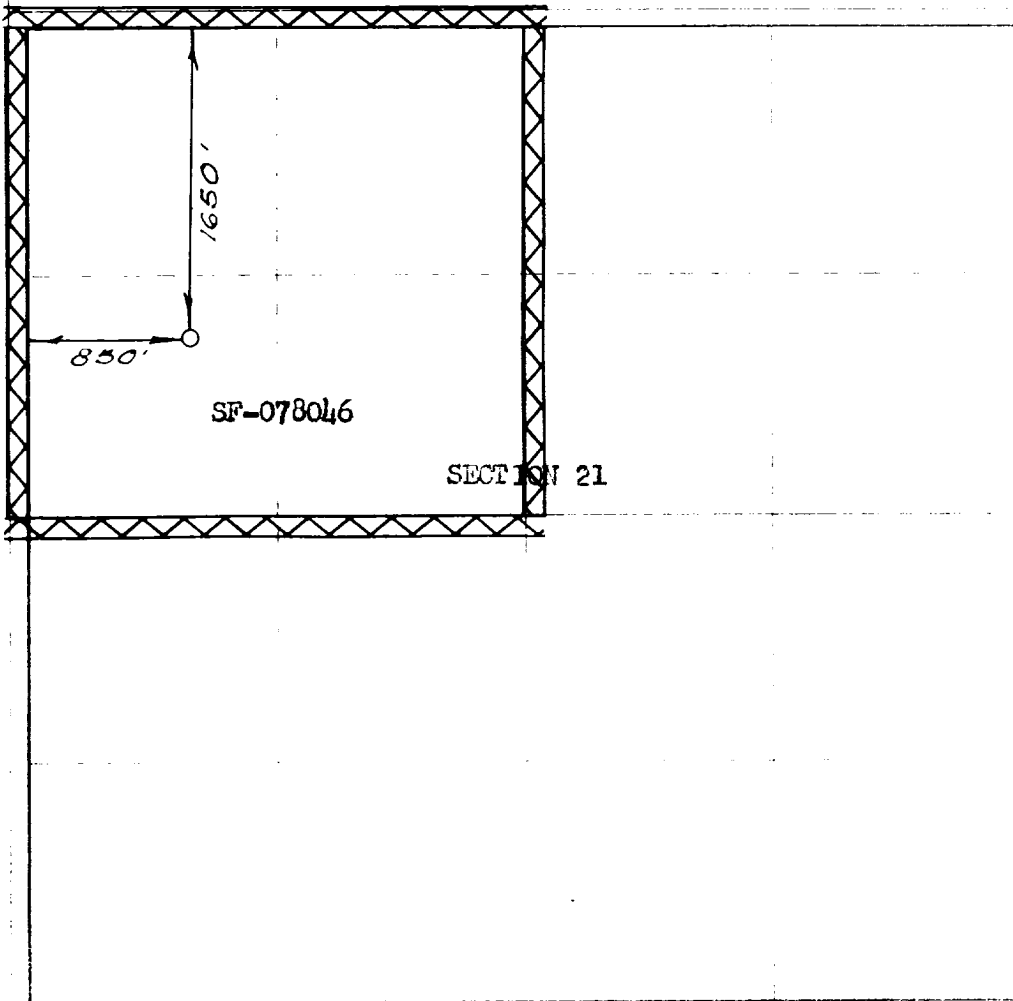
EL PASO NATURAL GAS COMPANY		HUGHES		(SF-078046)	20
E	21	29-N	8-W	SAN JUAN	
1650	NORTH	850	WEST		
6150	PICTURED CLIFFS	BLANCO PICTURED CLIFFS	160.00		

1. Outline the acreage dedicated to the subject well by colored pencil or ballpoint marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the owner, step lease, pooling, working interest and royalty.
3. If more than one lease of different ownership is dedicated to the well, have the interests dated 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 by communitization, unitization, force pooling, or otherwise, on this form if necessary. _____

Allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, force pooling, or otherwise, or until a non-standard unit, effectuating such interests, has been approved by the Commission.



Petroleum Engineer
El Paso Natural Gas Company
September 21, 1972

SEPTEMBER 12, 1972

Paul O. Kline
1760