

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

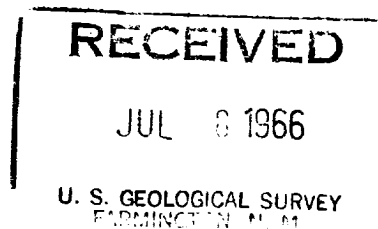
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. SF 076020		
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR El Paso Natural Gas Company			7. UNIT AGREEMENT NAME Huerfano Unit		
3. ADDRESS OF OPERATOR Box 990, Farmington, New Mexico			8. FARM OR LEASE NAME		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 800'N, 800'W ✓ At proposed prod. zone			9. WELL NO. 148		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Basin Dakota		
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. 1, T-25-N, R-10-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 319.69 ✓			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 6705'			22. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6751' GL					

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#	300'	210 Sks. to circulate
7 7/8"	4 1/2"	10.5#	6705'	554 Sks. in 3 Stages

Production casing will be cemented in 3 stages, first stage to cover the top of the Gallup, 2nd stage to cover the Mesa Verde, Third stage to cover the Pictured Cliffs and Kirtland formations. Selective zones in the Dakota formation will be perforated and sand-water fractured.

The W/2 of Section 1 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. Original signed by
SIGNED Carl E. Matthews TITLE Petroleum Engineer DATE 7-8-66

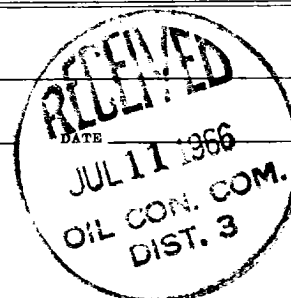
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator EL PASO NATURAL GAS COMPANY		Lease HUERFANO UNIT ✓		Well No. SF-078020	148 ✓
Unit Letter E	Section 1 ✓	Township 25-N ✓	Range 10-W ✓	County SAN JUAN ✓	
Actual Well Location of Well: 800' ✓		feet from the NORTH ✓ line and		800' ✓ feet from the WEST ✓ line	
Producing Formation 6751		Basin DAKOTA		Dedicated Acreage 319.69 ✓ Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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: **Unitization**

If answer is "no," list the owners and tract descriptions which have actually 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.

CERTIFICATION

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

Original signed by
Carl E. Matthews

Name _____
Petroleum Engineer
 Position _____
El Paso Natural Gas Company
 Company _____
July 6, 1966
 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 _____
JUNE 9, 1966

Registered Professional Engineer
 and/or Land Surveyor

Certificate No. **1760**

