

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. NM 01368		
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 - 87401		8. FARM OR LEASE NAME Huerfano Unit		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650'N, 990'W At proposed prod. zone		9. WELL NO. 174		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Basin Dakota		
16. NO. OF ACRES IN LEASE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T-26-N, R-10-W		
17. NO. OF ACRES ASSIGNED TO THIS WELL		12. COUNTY OR PARISH San Juan		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		13. STATE New Mexico		
19. PROPOSED DEPTH 6855'		20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6574' GL		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#	200'	170 sks. to circulate
7 7/8"	4 1/2"	10.5#	6855'	590 sks - 3 stages

Production Casing Cementing:

First stage w/270 sks. to fill from total depth to the top of the Gallup formation.
Second stage w/150 sks. to cover the Mesa Verde formation.
Third stage w/170 sks. to cover the Pictured Cliffs formation.

The Dakota formation will be selectively perforated and sand-water fractured.

The W/2 of Section 13 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 depth, and give blowout preventer program, if any.

24. Original signed by Carl E. Matthews TITLE Petroleum Engineer DATE MAR 12 1968

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Okaf

*See Instructions On Reverse Side

RECEIVED

MAR 12 1968

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Instructions

General: This form is designed for suggestions for 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, are shown early 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 be drilled 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 plate, 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** (**NM-01368**) Well No **174**

Unit Letter **E** Section **13** Township **26-N** Range **10-W** County **SAN JUAN**

Actual Footage Location of Well **1650** feet from the **NORTH** line and **990** feet from the **WEST** line

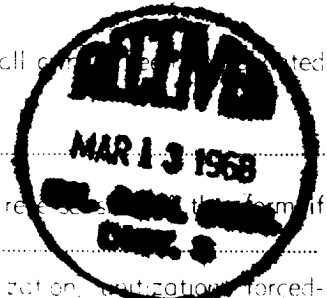
Ground Level Elev. **6574** Producing Formation **DAKOTA** Basin **BASIN DAKOTA** Deducted Averaging **320.00** Acre

- Outline the acreage dedicated to the subject well by coloring, pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners 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

Date
March 12, 1968

Box

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 Entered
JANUARY 17, 1968

Registered Professional Engineer and/or Licensed Surveyor

David O. Kline
Certificate No. **1760**

