

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 4289, Farmington, NM - 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
 1480'S, 1480'W  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 5 miles east of Huerfano, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1480

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 2500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6456' GL

23. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" 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"         | 24.0#           | 200'          | 165 cu.ft. circulated  |
| 7 7/8"       | 4 1/2"         | 10.5# & 11.6#   | 6375'         | 1515 cu.ft. circulated |

1st stage - 364 cu.ft. to cover Gallup  
 2nd stage - 600 cu.ft. to cover Mesa Verde  
 3rd stage - 551 cu.ft. to cover Ojo Alamo

Selectively perforate and sand water fracture the Dakota formation.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated.

The E/2 of Section 31 is dedicated to this well.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Huerfano Unit

8. FARM OR LEASE NAME

Huerfano Unit

9. WELL NO.

243E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 31, T-26-N, R-10-W

NMPM

12. COUNTY OR PARISH

13. STATE

San Juan

NM

16. NO. OF ACRES IN LEASE

Unit

17. NO. OF ACRES ASSIGNED TO THIS WELL

231.68

320.00

19. PROPOSED DEPTH

6375'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

This action is subject to administrative appeal pursuant to 30 CFR 290.

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 Regan Cook TITLE Drilling Clerk

APPROVED  
DATE 3-04-85

AS AMENDED

MAR 13 1985

DATE  
AREA MANAGER  
FARMINGTON SURFACE AREA

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

NM000

\*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-107  
Revised 10-1-7

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

All distances must be from the outer boundaries of the Section.

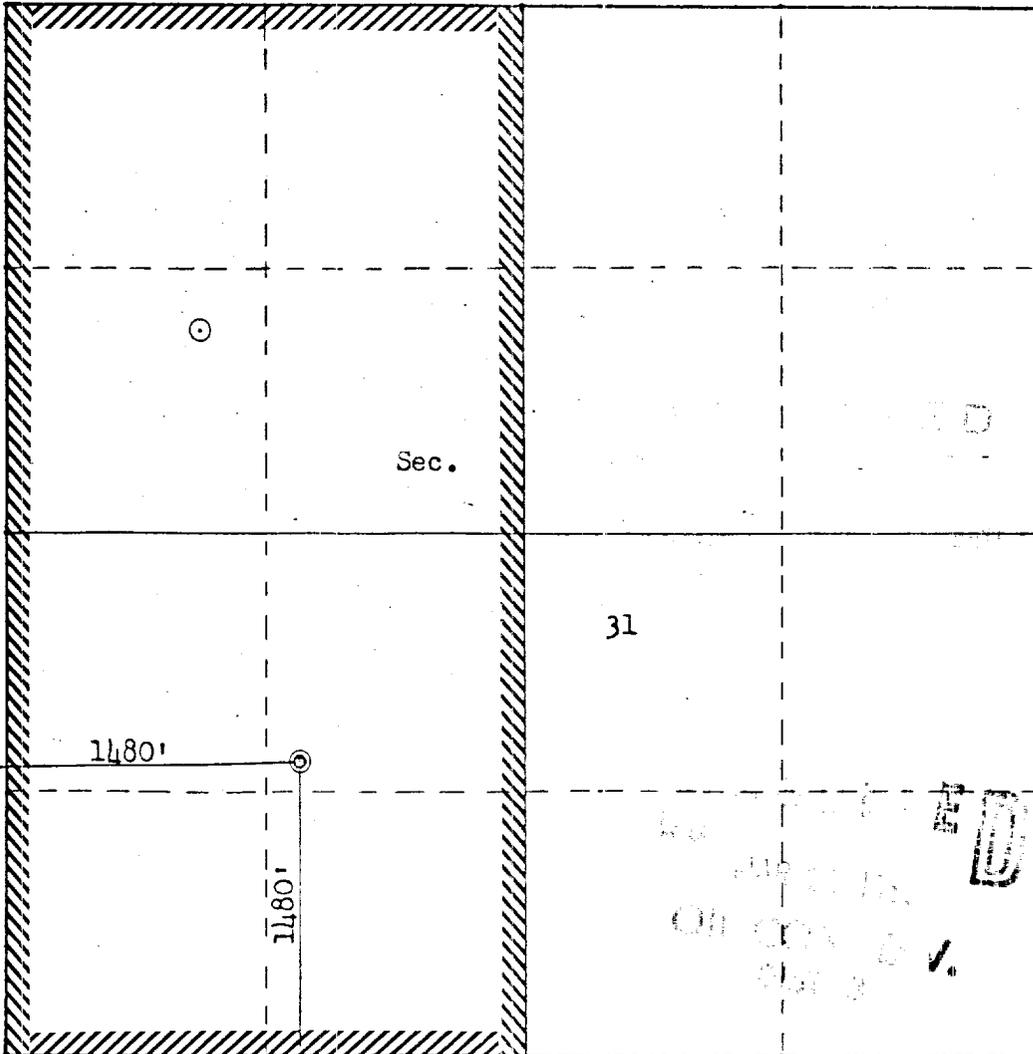
|  |                                      |                        |   |                           |  |                         |
|--|--------------------------------------|------------------------|---|---------------------------|--|-------------------------|
| Operator<br><b>EL PASO NATURAL GAS COMPANY</b>   |                                      |                        | Lease<br><b>HUERFANO UNIT (SF 078372)</b> |                           |  | Well No.<br><b>243E</b> |
| Unit Letter<br><b>K</b>  | Section<br><b>31</b>                 | Township<br><b>26N</b> | Range<br><b>10W</b>                       | County<br><b>San Juan</b> |  |                         |
| Actual Footage Location of Well:<br><b>1480</b> feet from the <b>South</b> line and <b>1480</b> feet from the <b>West</b> line |                                      |                        |   |                           |  |                         |
| Ground Level Elev:<br><b>6456</b>  | Producing Formation<br><b>Dakota</b> |                        | Pool<br><b>Basin</b>                      |                           | Dedicated Acreage:<br><b>320</b> Acres |                         |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

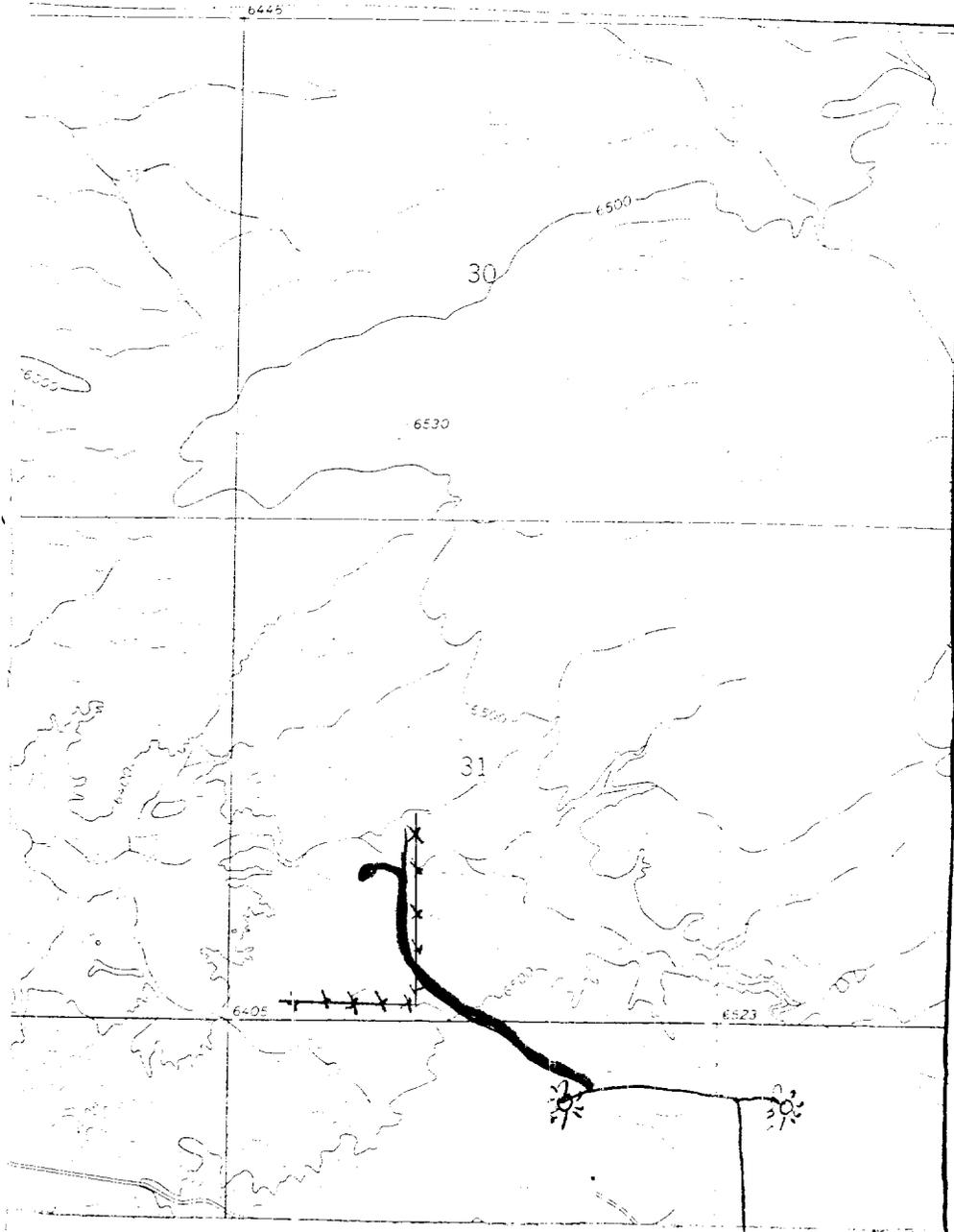
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

|  |                               |
|--|-------------------------------|
| CERTIFICATION  |                               |
| <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>   |                               |
| Name   | <b>Drilling Clerk</b>         |
| Position   | <b>El Paso Natural Gas Co</b> |
| Company  | <b>March 5, 1985</b>          |
| Date   |                               |
| <i>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.</i> |                               |
| Date Surveyed  | <b>November 15, 1984</b>      |
| Registered Professional Engineer and Land Surveyor.  | <b>Fred B. Kerr Jr.</b>       |
| Certificate No.  | <b>3950</b>                   |

El Paso Natural Gas Company  
 Huerfano Unit #243E (Dk)  
 SW 31-26-10



LEGEND OF RIGHT-OF-WAYS

- EXISTING ROADS 
- EXISTING PIPELINES 
- EXISTING ROAD & PIPELINE 
- PROPOSED ROADS 
- PROPOSED PIPELINES 
- PROPOSED ROAD & PIPELINE 