

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
JUN 14 1989  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                |                                                              |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 1a. TYPE OF WORK<br>DRILL                                                                                      | 5. LEASE NUMBER<br>NM-013706                                 |
| 1b. TYPE OF WELL<br>GAS                                                                                        | 6. IF INDIAN, ALL. OR TRIBE NAME                             |
| 2. OPERATOR<br><i>Mendocino Oil Inc.</i><br><del>EL PASO NATURAL GAS CO.</del>                                 | 7. UNIT AGREEMENT NAME<br>SAN JUAN 30-6 UNIT COM             |
| 3. ADDRESS & PHONE NO. OF OPERATOR<br>P O BOX 4289<br>FARMINGTON, NM 87499                                     | 8. FARM OR LEASE NAME<br>SAN JUAN 30-6 UNIT COM              |
| 4. LOCATION OF WELL<br>1240'S 1105'W                                                                           | 9. WELL NO.<br>467                                           |
| 10. FIELD, POOL, OR WILDCAT<br>BASIN FRUITLAND COAL                                                            | 11. SEC. T. R. M OR BLK.<br><i>77</i> SEC. 22 T30N R07W NMPM |
| 14. DISTANCE IN MILES FROM NEAREST TOWN<br>5 Miles from Navajo City                                            | 12. COUNTY<br>RIO ARRIBA                                     |
|                                                                                                                | 13. STATE<br>NM                                              |
| 15. DISTANCE FROM<br>PROPOSED LOCATION 1105'<br>TO NEAREST PROPERTY<br>OR LEASE LINE.                          | 16. ACRES IN LEASE<br>w/ 320.00                              |
| 17. ACRES ASSIGNED TO WELL                                                                                     |                                                              |
| 18. DISTANCE FROM<br>PROPOSED LOCATION<br>TO NEAREST WELL DR. 300'<br>COMPL., OR APPLIED<br>FOR ON THIS LEASE. | 19. PROPOSED DEPTH<br>3504'                                  |
|                                                                                                                | 20. ROTARY OR CABLE TOOLS<br>ROTARY                          |
| 21. ELEVATIONS (DF, FT, GR, ETC.)<br>6629'GL                                                                   | 22. APPROX. DATE WORK WILL START                             |

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *Regulatory Affairs*  
REGULATORY AFFAIRS OIL CON. DIV.  
DIST. 3

JUL 05 1989

6-14-89  
DATE

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED  
AS AUTHORIZED

JUN 28 1989

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

AREA MANAGER

# OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                                                                                                                |                                              |                             |                        |                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|------------------------|----------------------------------------|--|
| Operator<br><u>El Paso Natural Gas</u>                                                                                         |                                              | Lease<br><u>(NM-013706)</u> |                        | Well No.<br><u>467</u>                 |  |
| Unit Letter<br><u>II</u>                                                                                                       | Section<br><u>22</u>                         | Township<br><u>30 North</u> | Range<br><u>7 West</u> | County<br><u>NMPM Rio Arriba</u>       |  |
| Actual Footage Location of Well:<br><u>1240</u> feet from the <u>South</u> line and <u>1105</u> feet from the <u>West</u> line |                                              |                             |                        |                                        |  |
| Ground level Elev.<br><u>6629</u>                                                                                              | Producing Formation<br><u>Fruitland Coal</u> |                             | Pool<br><u>Basin</u>   | Dedicated Acreage:<br><u>320</u> Acres |  |

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 ownership thereof (both as to working interest and royalty).

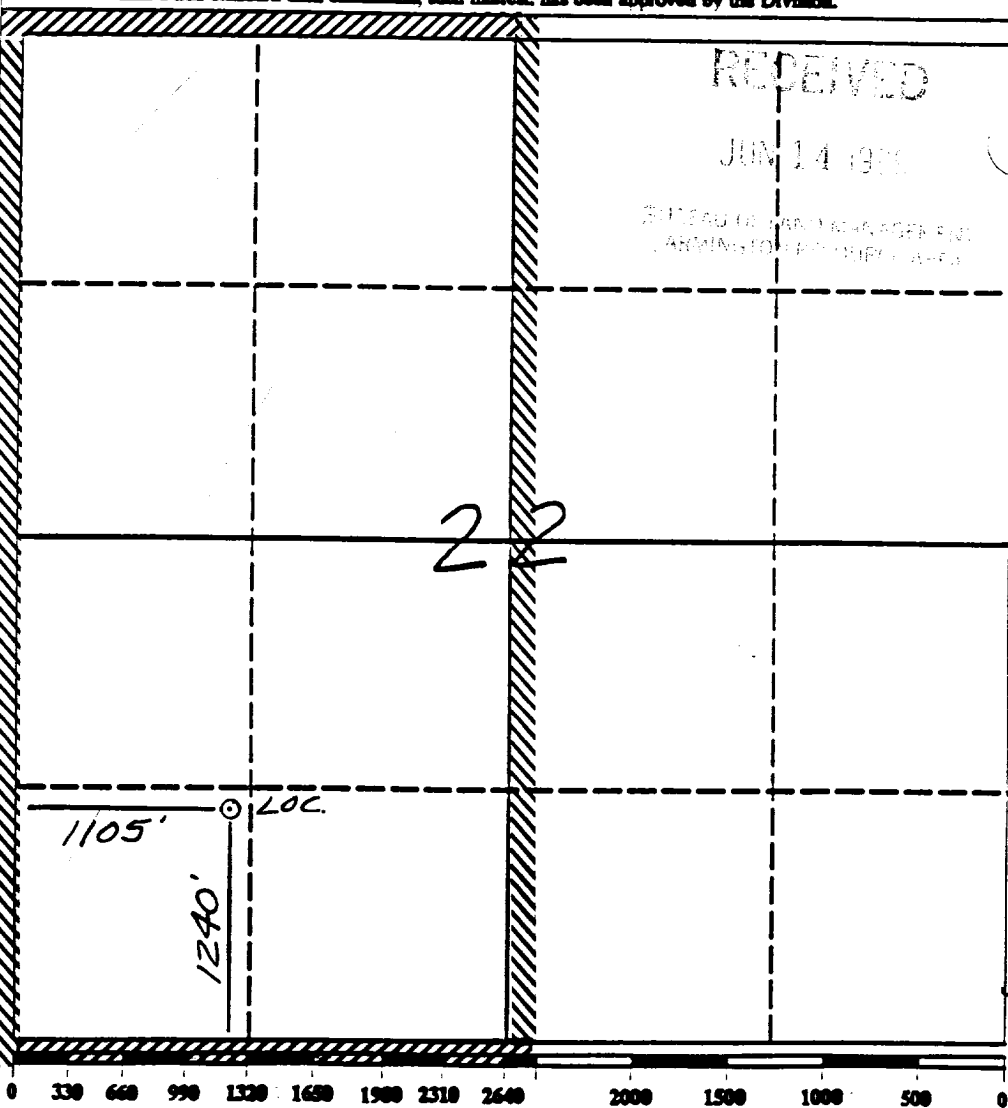
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No

If answer is "yes" type of consolidation unitization; communitization agree

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) ment

No 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, eliminating such interest, has been approved by the Division.



### OPERATOR CERTIFICATION

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

Peggy Bradfield  
Signature

Regulatory Affairs  
Printed Name

El Paso Natural Gas  
Position

6-14-89  
Company

Date

### SURVEYOR CERTIFICATION

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.

5-11-89  
Date Surveyed  
Neale C. Edwards

357  
Signature of Seeker of Professional Surveyor

6857  
Certificate No.

Well Name: 467 SAN JUAN 30-6 UNIT COM 1240'S 1105'W  
 Sec. 22 T30N R07W RIO ARriba NEW MEXICO  
 BASIN FRUITLAND COAL Elevation 6629'GL

Formation tops: Surface- SAN JOSE  
 Ojo Alamo- 2571  
 Kirtland- 2664  
 Fruitland- 3246  
 Fruitland Coal Top- 3305  
 Fruitland Coal Base- 3499  
 Intermediate TD- 3281  
 Total Depth- 3504  
 Pictured Cliffs- 3514

Logging Program: Mud logs from intermediate to total depth.

| Mud Program: | Interval    | Type            | Weight    | Visc. | Fl. Loss   |
|--------------|-------------|-----------------|-----------|-------|------------|
|              | 0 - 200     | Spud            | 8.4 - 8.9 | 40-50 | no control |
|              | 200 - 3281  | Non-dispersed   | 8.4 - 9.1 | 30-60 | no control |
|              | 3281 - 3504 | Formation Water | 8.4       |       | no control |

| Casing Program: | Hole Size | Depth Interval | Csg. Size | Weight | Grade |
|-----------------|-----------|----------------|-----------|--------|-------|
|                 | 12 1/4"   | 0 - 200        | 9 5/8"    | 32.3#  | H-40  |
|                 | 8 3/4"    | 0 - 3281       | 7"        | 20.0#  | K-55  |
|                 | 6 1/4"    | 3231 - 3504    | 5 1/2"    | 15.5#  | K-55  |
| Tubing Program: |           | 0 - 3504       | 2 7/8"    | 6.5#   | J-55  |

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe.

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

#### Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 49 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 213 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

# BOP and Tests:

Surface to intermediate TD - 11" 3000 psi double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600 psi for 30 minutes.

Intermediate TD to TD - 7 1/16" 3000 psi double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test rams to 2500 psi for 30 minutes.

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning.

## Addition Information:

The Fruitland coal formation will be completed.

This gas is dedicated.

The W/2 of Section 22 is dedicated to this well.

