

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

90-039-24795  
JUN 10 1990  
JUN 10 1990

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                |                                                       |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 1a. TYPE OF WORK<br>DRILL                                                                                      | 5. LEASE NUMBER<br>SF-078425                          |
| 1b. TYPE OF WELL<br>GAS                                                                                        | 6. IF INDIAN, ALL. OR TRIBE NAME                      |
| 2. OPERATOR<br>EL PASO NATURAL GAS CO.<br><i>El Paso Natural Gas Co.</i>                                       | 7. UNIT AGREEMENT NAME<br>SAN JUAN 29-7 UNIT          |
| 3. ADDRESS & PHONE NO. OF OPERATOR<br>P O BOX 4289<br>FARMINGTON, NM 87499                                     | 8. FARM OR LEASE NAME<br>SAN JUAN 29-7 UNIT           |
| 4. LOCATION OF WELL<br>1935'FNL 930'FEL                                                                        | 9. WELL NO.<br>531                                    |
| 14. DISTANCE IN MILES FROM NEAREST TOWN<br>7 MILES FROM GOVERNADOR                                             | 10. FIELD, POOL, OR WILDCAT<br>BASIN FRUITLAND COAL   |
| 15. DISTANCE FROM<br>PROPOSED LOCATION 930'<br>TO NEAREST PROPERTY<br>OR LEASE LINE.                           | 11. SEC. T. R. M OR BLK.<br>11 SEC. 35 T29N R07W NMPM |
| 16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL<br>320.00                                                        | 12. COUNTY 13. STATE<br>RIO ARriba NM                 |
| 18. DISTANCE FROM<br>PROPOSED LOCATION<br>TO NEAREST WELL DR. 300'<br>COMPL., OR APPLIED<br>FOR ON THIS LEASE. | 20. ROTARY OR CABLE TOOLS<br>ROTARY                   |
| 21. ELEVATIONS (DF, FT, GR, ETC.)<br>6805'GL                                                                   | 22. APPROX. DATE WORK WILL START                      |
| 23. PROPOSED CASING AND CEMENTING PROGRAM<br>*SEE OPERATIONS PLAN                                              |                                                       |
| 24. AUTHORIZED BY: <i>Danny Boone for JWC</i><br>REG. DRILLING ENGR.                                           |                                                       |

RECEIVED

JUN 18 1990

OIL CON. DIV

DIST. 3

5-8-90  
DATE

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

APPROVED

JUN 14 1990

AREA MANAGER

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.  
APD was originally submitted 10-03-89 and was approved 10-31-89.  
APD was rescinded 01-08-90.

NMOCD

100-11-33 91  
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Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-8

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

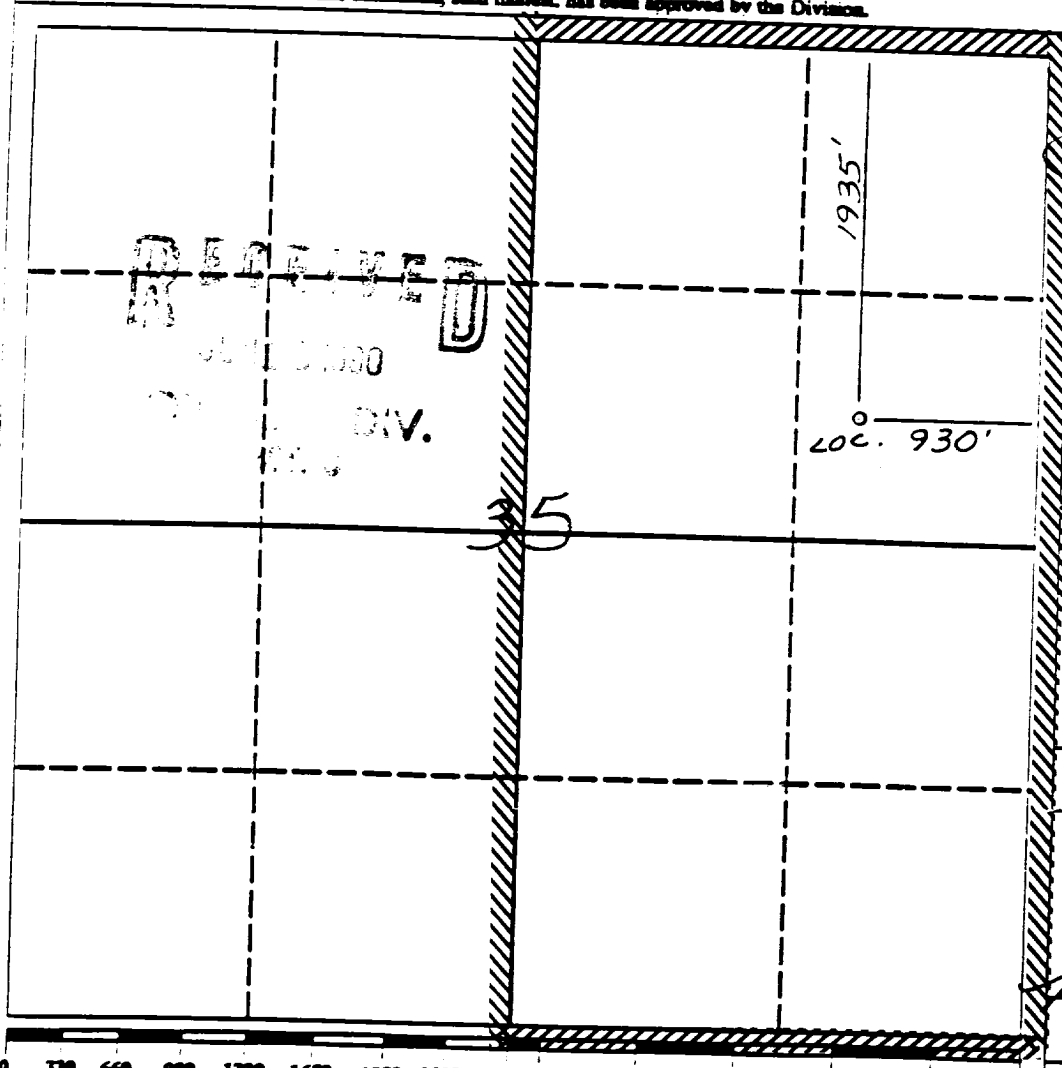
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                                                                                                               |                                              |                             |                        |                                        |  |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|------------------------|----------------------------------------|--|
| Operator<br><u>El Paso Natural Gas Co.</u>                                                                                    |                                              | Lease<br><u>(SF-078425)</u> |                        | Well No.<br><u>531</u>                 |  |
| Unit Letter<br><u>H</u>                                                                                                       | Section<br><u>35</u>                         | Township<br><u>29 North</u> | Range<br><u>7 West</u> | County<br><u>Rio Arriba</u>            |  |
| Actual Footage Location of Well:<br><u>1935</u> feet from the <u>North</u> line and <u>930</u> feet from the <u>East</u> line |                                              |                             |                        |                                        |  |
| Ground level Elev.<br><u>6805'</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 hectare 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  
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, 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.

Signature Peggy Bradfield

Regulatory Affairs

Printed Name Peggy Bradfield

Position El Paso Natural Gas

Company 5-8-90

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under supervision, and that the same is true correct to the best of my knowledge and belief.

Date Surveyed 9-3-89

Signature of Surveyor Neale C. Edwards

Professional Surveyor

REGISTERED LAND SURVEYOR

Certificate No. 6857

Well Name: 531 SAN JUAN 29-7 UNIT      1935'FNL 930'FEL  
 Sec. 35 T29N R07W      RIO ARRIBA NEW MEXICO  
 BASIN FRUITLAND COAL      Elevation 6805'GL

Formation tops: Surface- SAN JOSE  
                   Ojo Alamo- 2685  
                   Kirtland- 2845  
                   Fruitland- 3330  
                   Fruitland Coal Top- 3505  
                   Fruitland Coal Base- 3610      Total Depth- 3615  
                   Pictured Cliffs- 3619

Logging Program: Mud logs from 3330 to total depth.

| Mud Program: | Interval   | Type          | Weight    | Visc. | Fl. Loss   |
|--------------|------------|---------------|-----------|-------|------------|
|              | 0 - 500    | Spud          | 8.4 - 8.9 | 40-50 | no contro. |
|              | 500 - 3615 | Non-dispersed | 8.4 - 9.5 | 30-60 | no contro. |

| Casing Program: | Hole Size | Depth Interval | Csg. Size | Weight | Grade |
|-----------------|-----------|----------------|-----------|--------|-------|
|                 | 12 1/4"   | 0 - 500        | 8 5/8"    | 24.0#  | K-40  |
|                 | 7 7/8"    | 0 - 3615       | 5 1/2"    | 15.5#  | K-55  |
| Tubing Program: |           | 0 - 3615       | 2 3/8"    | 4.7#   | J-55  |

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2845'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembl

#### Cementing:

8 5/8" surface casing - cement with 525 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (620 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 598 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. 1272 cu ft. of slurry, 100% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

Map #1

Existing ROW

BLM ROW

Fee Lands

T 28 N

R 7 W

MAP #1

San Juan  
29-7 unit

San Juan 29-7 Unit # 531  
T 29 N, R 7 W

No New Construction  
4,500' of existing BLM Roads  
located within Unit  
Boundaries  
1100' of off Lease existing  
BLM Roads - NWSE Sec 12,  
T 28 N, R 7 W  
Remaining existing roads  
on Fee Lands & existing  
ROW

