

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL
1b. TYPE OF WELL
GAS

2. OPERATOR
EL PASO NATURAL GAS CO.
3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499

4. LOCATION OF WELL
1935'N 930'E

5. LEASE NUMBER
SF-078425
6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME
SAN JUAN 29-7 UNIT

8. FARM OR LEASE NAME
SAN JUAN 29-7 UNIT
9. WELL NO.
531

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
H SEC. 35 T29N R07W NMPM

12. COUNTY
RIO ARRIBA
13. STATE
NM

14. DISTANCE IN MILES FROM NEAREST TOWN
7 MILES FROM GOVERNADOR

15. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST PROPERTY
OR LEASE LINE. 930'

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
E 320.00

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR.
COMPL., OR APPLIED
FOR ON THIS LEASE. 300'

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOL
3669' ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6805'GL

22. APPROX. DATE WORK WILL START

PROPOSED CASING AND CEMENTING PROGRAM

23. *SEE OPERATIONS PLAN

24. AUTHORIZED BY:

REGULATORY AFFAIRS

APPROVAL DATE

DATE

PERMIT NO.

TITLE

APPROVED BY

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

RECORD

RECEIVED

NOV 02 1989

OIL CON. DIV
DIST. 3

DATE

APPROVED
AS AD

Submit to Appropriate
District Office
State Leases - 4 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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 <u>El Paso Natural Gas</u>		Lease <u>San Juan 29-7 UNIT</u>		Well No. <u>531</u>
Unit Letter <u>H</u>	Section <u>35</u>	Township <u>29 North</u>	Range <u>7 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Well: <u>1935</u> feet from the <u>North</u> line and <u>930</u> feet from the <u>East</u> line				
Ground level Elev. <u>6805'</u>	Producing Formation <u>Fruitland Coal</u>	Pool <u>Basin</u>	Dedicated Acreage: <u>320</u> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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 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 best of my knowledge and belief.

Signature Peggy Bradfield

Regulatory Affairs

Printed Name

Peggy Bradfield

Position

El Paso Natural Gas

Company

Date

10-3-89

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 my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 9-18-89

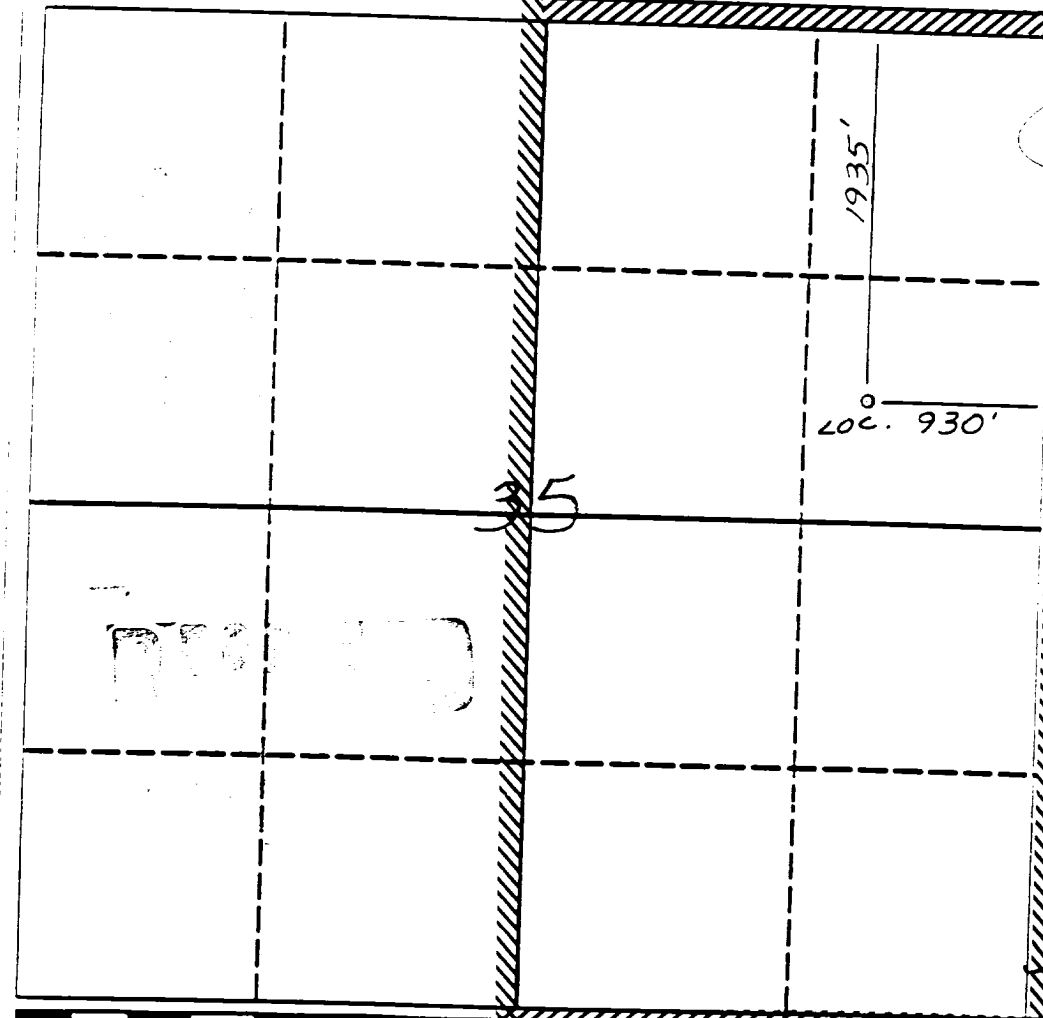
Signature of Surveyor Neale C. Edwards

Professional Surveyor

REGISTERED LAND SURVEYOR
6857

Certificate No.

6857



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

Formation tops: Surface- SAN JOSE
Ojo Alamo- 2650
Kirtland- 2850
Fruitland- 2350
Fruitland Coal Top- 3550
Fruitland Coal Base- 3669
Total Depth- 3669
Pictured Cliffs- 3675

Logging Program: Mud logs from 2350 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3669	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	8 5/8"	24.0#	K-40
	7 7/8"	0 - 3669	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3669	2 3/8"	4.7#	J-55

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

5 1/2" production casing - float shoe on bottom.
Three centralizers run every other joint above shoe.

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

Cementing:

8 5/8" surface casing - cement with 140 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 122 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. 353 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.

