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OIL CON. DIV.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-0134-25003

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.
14538
Municipal District

3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499

4. LOCATION OF WELL
940' FSL 1405' FWL

5. LEASE NUMBER
SF-079050-D

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME
SAN JUAN 28-6 UNIT

8. FARM OR LEASE NAME
SAN JUAN 28-6 UNIT 7462

9. WELL NO.
474

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL 716 2-9

11. SEC. T. R. M OR BLK.
N SEC. 27 T28N R06W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
6 MILES S. OF GOVERNADOR

12. COUNTY
RIO ARRIBA

13. STATE
NM

15. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST PROPERTY
OR LEASE LINE. 940'

16. ACRES IN LEASE 320

17. ACRES ASSIGNED TO WELL
47/ 320.00

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 200'
COMPL., OR APPLIED FOR ON THIS LEASE. This well is to be drilled and completed in accordance with the requirements of the BLM Form 3160-3 and applied pursuant to 43 CFR 3160.4.

19. PROPOSED DEPTH
3384'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6587' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: [Signature]
REG. DRILLING ENGR.

9/17/90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

Ken Townsend

[Signature]

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 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 82240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

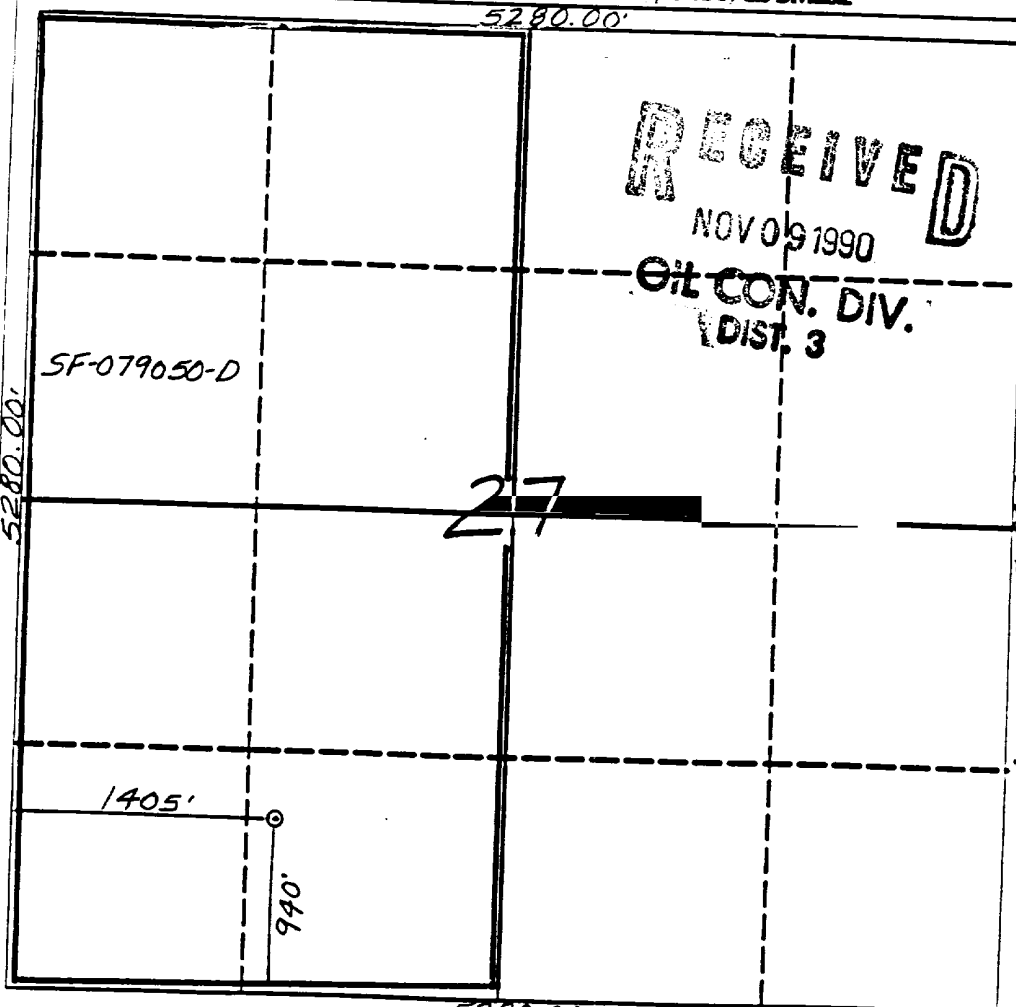
1000 Rio Brazos Rd., Aztec, NM 87410

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>(SF-079050D)</u>		Well No. <u>474</u>
Unit Letter <u>N</u>	Section <u>27</u>	Township <u>28 North</u>	Range <u>6 West</u>	County <u>NMFM</u>
Actual Footage Location of Well: <u>940</u> feet from the <u>South</u> line and <u>1405</u> feet from the <u>West</u> line				
Ground level Elev. <u>6587'</u>	Producing Formation <u>Fruitland Coal</u>	Pool <u>Basin</u>	Dedicated Acreage: <u>320</u> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or highlight 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 for

Printed Name Peggy Bradfield

Position Regulatory affairs

Company El Paso Natural Gas

Date 9-17-90

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 8-6-90

Signature Neale C. Edwards

Professional Seal



Certificate No. 6857

Neale C. Edwards

Well Name: 474 SAN JUAN 28-6 UNIT
 Sec. 27 T28N R06W
 BASIN FRUITLAND COAL

940'FSL 1405'FWL
 RIO ARRIBA NEW MEXICO
 Elevation 6587'GL

Formation tops: Surface- San Jose
 Ojo Alamo- 2646
 Kirtland- 2761
 Fruitland- 3086
 Fruitland Coal Top- 3175
 Fruitland Coal Base- 3381
 Pictured Cliffs- 3381

Total Depth- 3384

Logging Program: Mud logs from 3086 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no contro
	200 - 3384	Non-dispersed	8.4 - 9.5	30-60	no contro

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 - 3384	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3384	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 @ 2761'. 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 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 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 550 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. 1179 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.

