

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-639-25043
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.
Meredith

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

4. LOCATION OF WELL
1600' FSL 1055' FWL

5. LEASE NUMBER
SF-079051

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

9. WELL NO.
464

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.
SEC. 32 T28N R06W NMPM

12. COUNTY
RIO ARRIBA

13. STATE
NM

14. DISTANCE IN MILES FROM NEAREST TOWN
12 MI. S/W OF GOVERNADOR

15. DISTANCE FROM
PROPOSED LOCATION 1055'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
1753.38 325.23
This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 3500'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
2955' ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6217' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

JAN 4 1991

24. AUTHORIZED BY: *J. Caldwell*
REG. DRILLING ENGR.

OIL CON. DIV. 10/9/90
DIST. 3 DATE

PERMIT NO. _____ APPROVAL DATE _____ APPROVED
AS AMENDED
APPROVED BY _____ TITLE _____ DATE _____

JAN 03 1991
John Speller
AREA MANAGER

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

ok
NMOCD

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 88240

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

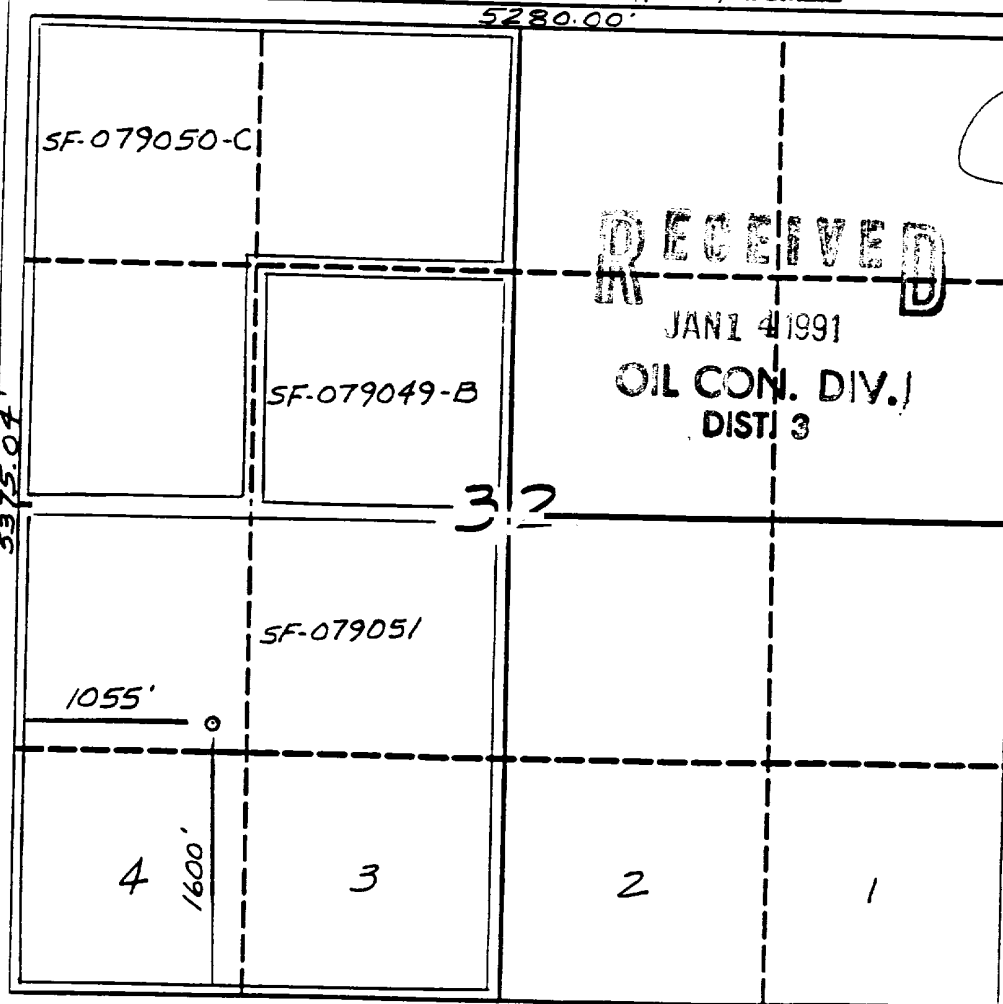
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <u>El Paso Natural Gas Company</u>		Lease (SF-079051) San Juan 28-6 Unit		Well No. 464
Unit Letter L	Section 32	Township 28 North	Range 6 West	County NMPM Rio Arriba
Actual Footage Location of Well: 1600 feet from the South line and 1055 feet from the West line. Ground level Elev. 6217' Producing Formation Fruitland Coal Pool Basin				
Undivided Acreage: 325.23 Acres				

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

Printed Name
Regulatory Affairs

Position
El Paso Natural Gas

Company
10-15-90

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was placed 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
8-27-90

Signature
Prof.

NEALE C. EDWARDS
6857
REGISTERED LAND SURVEYOR
Neale C. Edwards

Well Name: 464 SAN JUAN 28-6 UNIT
 Sec. 32 T28N R06W
 BASIN FRUITLAND COAL

1600'FSL 1055'FWL
 RIO ARRIBA NEW MEXICO
 Elevation 6217'GL

Formation tops: Surface- San Jose
 Ojo Alamo- 2176
 Kirtland- 2312
 Fruitland- 2646
 Fruitland Coal Top- 2844
 Fruitland Coal Base- 2952
 Pictured Cliffs- 2952

Total Depth- 2955

Logging Program: Mud logs from 2646 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2955	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 - 2955	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2955	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 @ 2312'. 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 assembly

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 473 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. 1031 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

San Juan 28-6 Unit

T28N, R6W

3,500' New Construction

23,100' Existing BLM Rd

within Unit Boundry

