

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

38-039-24925
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.
El Paso Nat. Gas Co. 14541

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

4. LOCATION OF WELL
1310' FSL 930' FWL

5. LEASE NUMBER
SF-079050
6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME
SAN JUAN 28-6 UNIT

8. FARM OR LEASE NAME
7402 SAN JUAN 28-6 UNIT
9. WELL NO.
439

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL *7402*
11. SEC. T. R. M OR BLK.
14 SEC. 29 T28W R06W NMPM

12. COUNTY
RIO ARRIBA
13. STATE
NM

14. DISTANCE IN MILES FROM NEAREST TOWN
10 MILES SW OF GOBERNADOR

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

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

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 800'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
3251' ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6491' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *W. Caldwell*

REG. DRILLING ENGR.

RECEIVED

SEP 24 1990

8/8/90
DATE

OIL CON. DIV.

DIST. 3

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

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

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

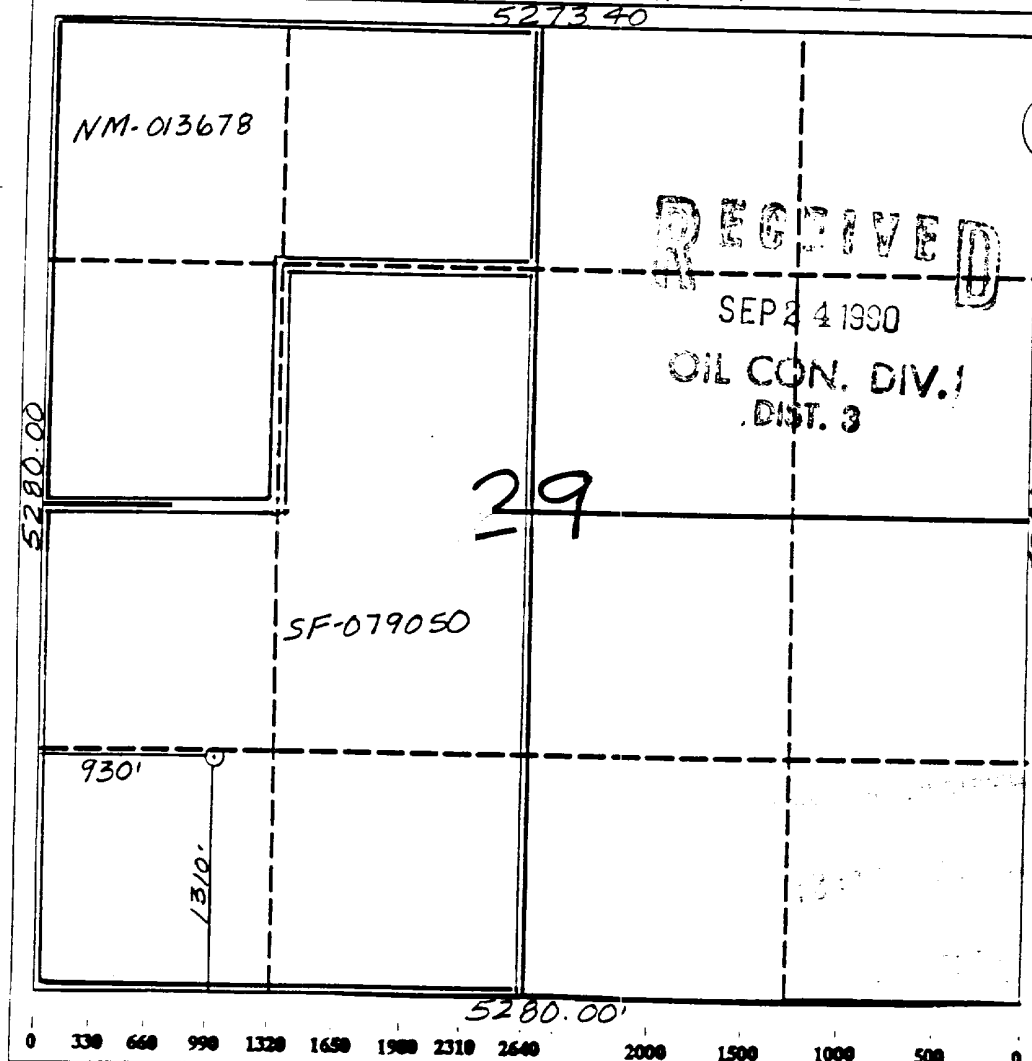
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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>(SF-079050)</u>		Well No. <u>439</u>	
Unit Letter <u>M</u>	Section <u>29</u>	Township <u>28 North</u>	Range <u>6 West</u>	County <u>NMPM</u>	
Actual Footage Location of Well: <u>1310</u> feet from the <u>South</u> line and <u>930</u> feet from the <u>West</u> line					
Ground level Elev. <u>6491'</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 hatchure 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, forced-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

Peggy Bradfield
Printed Name

Regulatory Affairs
Position

El Paso Natural Gas
Company

8-7-90
Date

8-7-90
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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.

6-22-90
Date Surveyed

[Signature]
Signature

[Signature]
Professional Surveyor

NEW MEXICO
REGISTERED LAND SURVEYOR

6857
Certificate No.

6857
Certificate No.

Neale C. Edwards
Name

OPERATIONS PLAN

DATE: AUG 7, 1990

Well Name: 439 SAN JUAN 28-6 UNIT
 Sec. 29 T28W R06W
 BASIN FRUITLAND COAL

1310' FSL 930' FWL
 RIO ARRIBA NEW MEXICO
 Elevation 6491' GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2485
 Kirtland- 2597
 Fruitland- 3030
 Fruitland Coal Top- 3063
 Fruitland Coal Base- 3246
 Pictured Cliffs- 3246

Total Depth- 3251

Logging Program: Mud logs from 3030 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 400	Spud	8.4 - 8.9	40-50	no contro
	400 - 3251	Non-dispersed	8.4 - 9.5	30-60	no contro

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 400	8 5/8"	24.0#	K-40
	7 7/8"	0 - 3251	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3251	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.

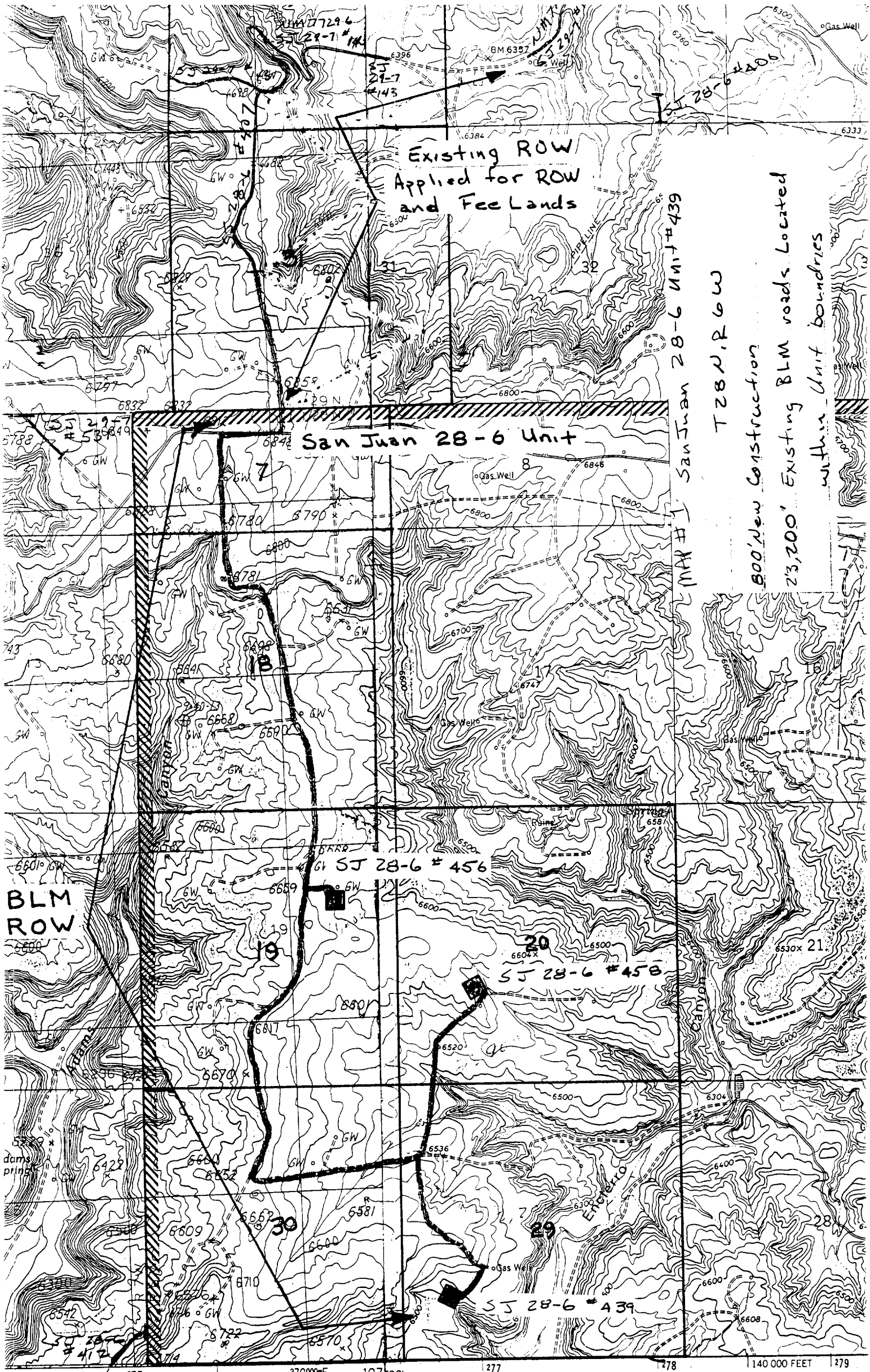
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2597'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 420 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (496 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 530 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. 1141 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

ROAD LEGEND

Maped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial