

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-25.002
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079050-C
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Mendenhall Inc.</i>	7. UNIT AGREEMENT NAME SAN JUAN 28-6 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 28-6 UNIT
4. LOCATION OF WELL 2185'FNL 975'FEL	9. WELL NO. 419
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES S/W OF GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 975' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. <i>4</i> SEC. 27 T28N R06W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL <i>920</i> <i>320.00</i>	12. COUNTY RIO ARRIBA
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 800' COMPL., OR APPLIED FOR ON THIS LEASE.	13. STATE NM
19. PROPOSED DEPTH <i>3384'</i> <i>3409</i>	21. ELEVATIONS (DF, FT, GR, ETC.) 6609'GL
20. ROTARY OR CABLE TOOLS ROTARY	22. APPROX. DATE WORK WILL START

This application is subject to technical and
environmental review pursuant to 43 CFR 3165.3
and 43 CFR 3165.4.

APPROVED FOR THE BUREAU OF LAND MANAGEMENT ARE
SUBJECT TO COMPLETION WITH ATTACHED
"GENERAL REQUIREMENTS".

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS

RECEIVED

NOV 08 1990

24. AUTHORIZED BY:

St. Calhoun
REG. DRILLING ENGR. OIL CON. DIV.
DIST. 3

9/28/90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

AKC
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

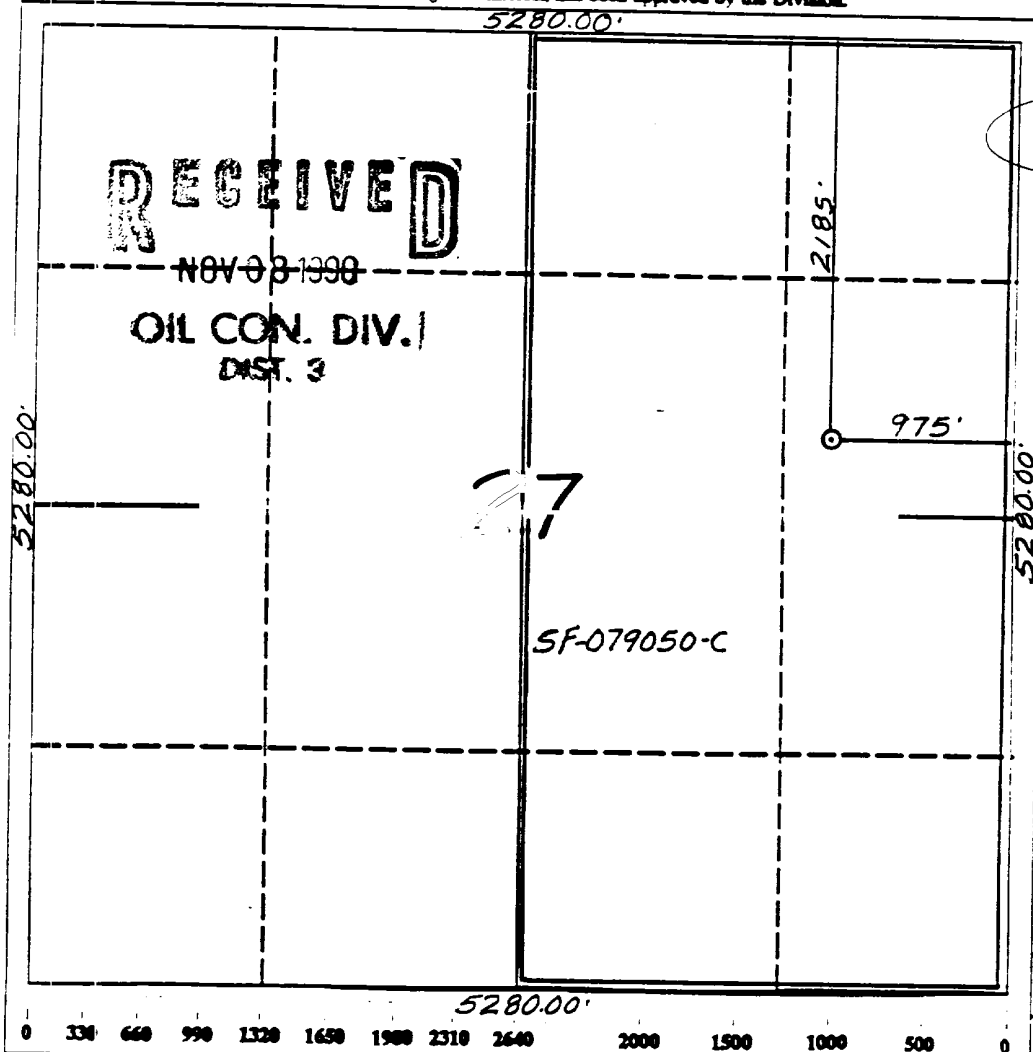
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <i>El Paso Natural Gas</i>		Lease (SF-079050C) San Juan 28-6 Unit		Well No. 419
Unit Letter H	Section 27	Township 28 North	Range 6 West	County Rio Arriba
Actual Footage Location of Well: 2185 feet from the North line and 975 feet from the East line				
Ground level Elev. 6609'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320 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 the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name
Regulatory Affairs

Position
El Paso Natural Gas

Company
9-27-90

Date

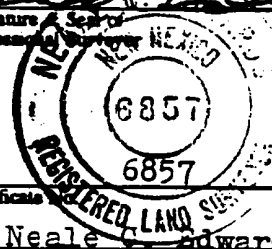
SURVEYOR CERTIFICATION

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

6-25-90

Date Surveyed

Neale C. Edwards
Signature & Seal
Professional Surveyor



Certificate No.

Neale C. Edwards

DATE: SEP 17, 1990

Well Name: 419 SAN JUAN 28-6 UNIT
 Sec. 27 T28N R06W
 BASIN FRUITLAND COAL

2185'FNL 975'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 6609'GL

Formation tops: Surface- San Jose
 Ojo Alamo- 2690
 Kirtland- 2803
 Fruitland- 3193
 Fruitland Coal Top- 3241
 Fruitland Coal Base- 3402
 Pictured Cliffs- 3406

Total Depth- 3409

Logging Program: Mud logs from 3193 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no contro
	200 - 3409	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 - 3409	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3409	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.

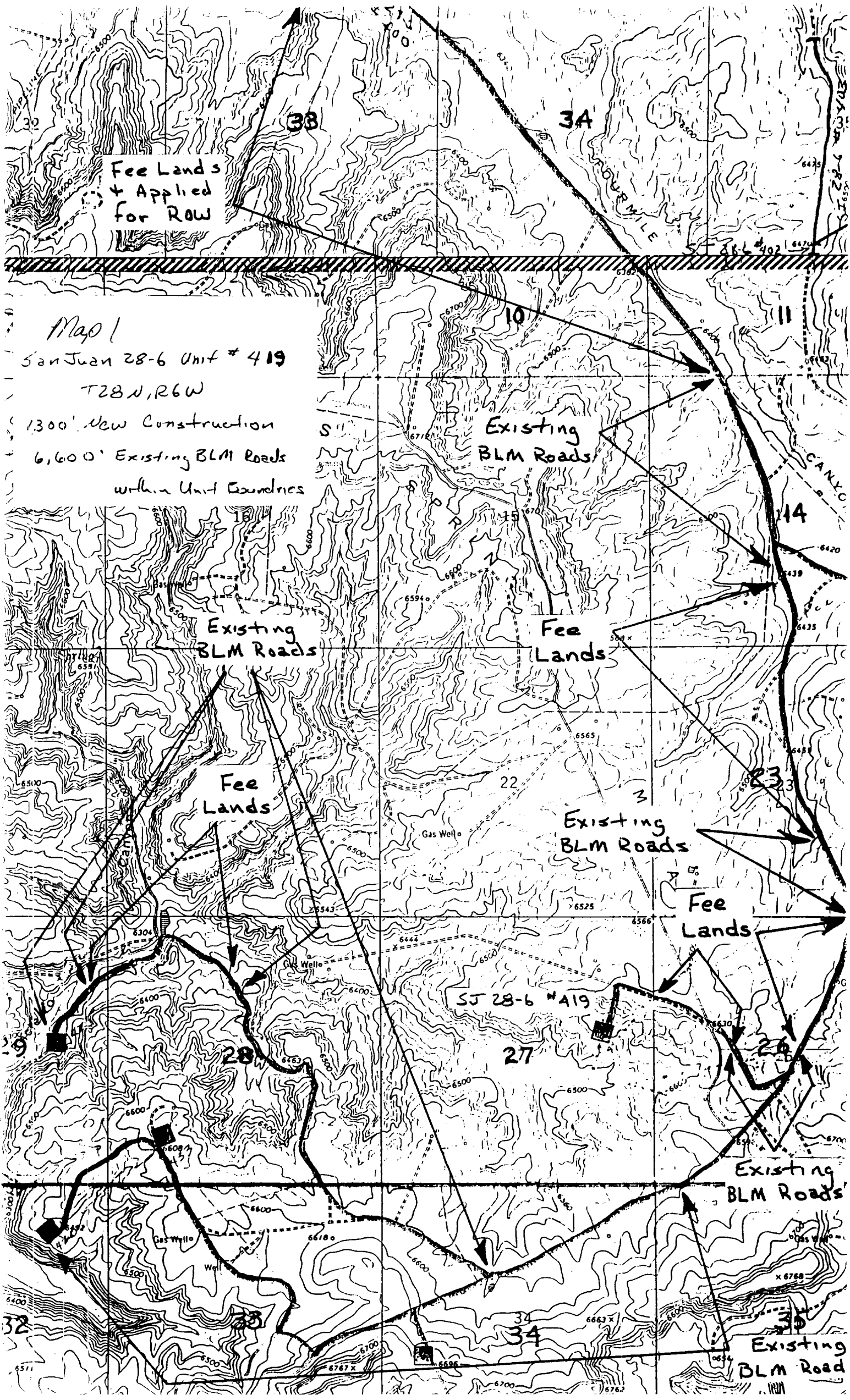
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2803'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 555 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. 1189 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.



Fee Lands
+ Applied
for ROW

Map 1

San Juan 28-6 Unit # 419

T28N, R6W

1300' New Construction

6,600' Existing BLM Roads
within Unit Boundaries

Existing
BLM Roads

Existing
BLM Roads

Fee
Lands

Fee
Lands

Existing
BLM Roads

Fee
Lands

SJ 28-6 #419

Existing
BLM Roads

Existing
BLM Road