

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-2504
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
2190'FNL 1850'FEL
14. DISTANCE IN MILES FROM NEAREST TOWN
6 MILES SW OF GOVERNADOR
5. LEASE NUMBER
SF-080430-A
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.
413
10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
G SEC. 31 T28N R06W NMPM
12. COUNTY
RIO ARRIBA
13. STATE
NM
15. DISTANCE FROM
PROPOSED LOCATION 1850'
TO NEAREST PROPERTY
OR LEASE LINE.
16. ACRES IN LEASE
595.24
17. ACRES ASSIGNED TO WELL
E/ 326.29
18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 300'
COMPL., OR APPLIED
FOR CN THIS LEASE.
19. PROPOSED DEPTH
3264'
20. ROTARY OR CABLE TOOLS
ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.)
6485'GL
22. APPROX. DATE WORK WILL START
6/15/90

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

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

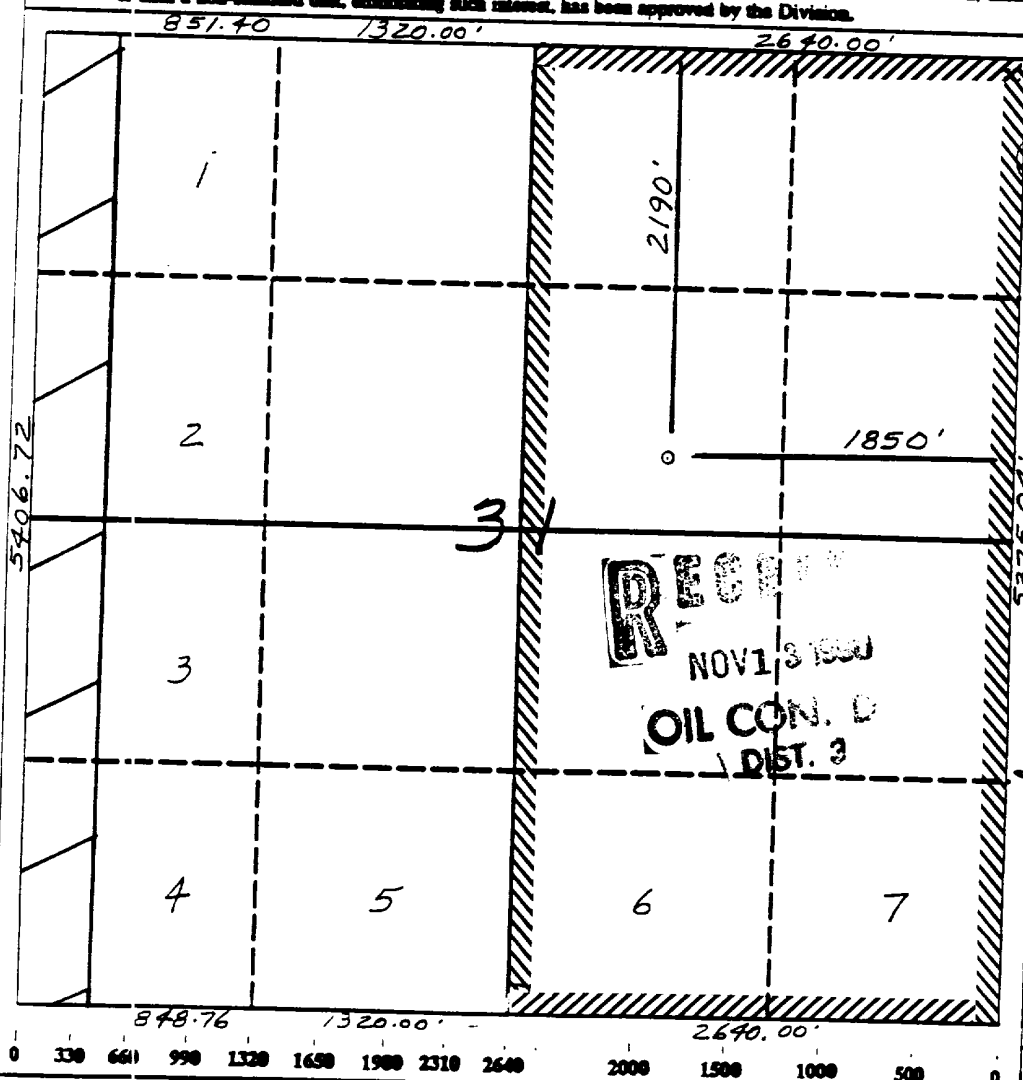
Operator <u>El Paso Natural Gas</u>		Lease <u>San Juan 28-6 Unit</u> (SF-080430A)		Well No. <u>413</u>
Unit Letter <u>G</u>	Section <u>31</u>	Township <u>28 North</u>	Range <u>6 West</u>	County <u>Rio Arriba</u>

Actual Footage Location of Well: <u>2190</u> feet from the <u>North</u> line and <u>1850</u> feet from the <u>East</u> line		Dedicated Acreage: <u>326.29</u> Acres
Ground level Elev. <u>6485'</u>	Producing Formation <u>Fruitland Coal Basin</u>	

- Outline the acreage dedicated to the subject well by colored pencil or highlighter 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, 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.

Signature
Peggy Bradfield

Printed Name
Regulatory Affairs

Position
El Paso Natural Gas

Company
6-6-90

Date

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

3-28-90

Date Surveyed

Signature
Neale C. Edwards

Professional Seal
NEW MEXICO

6857

Certificate No.
6857

Neale C. Edwards

Well Name: 413 SAN JUAN 28-6 UNIT 2190'FNL 1850'FEL
 Sec. 31 T28N R06W RIO ARRIBA NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6485'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2426
 Kirtland- 2561
 Fruitland- 2979
 Fruitland Coal Top- 3089
 Fruitland Coal Base- 3223 Total Depth- 3264
 Pictured Cliffs- 3223

Logging Program: Mud logs from 2979 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3264	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 - 3264	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3264	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.

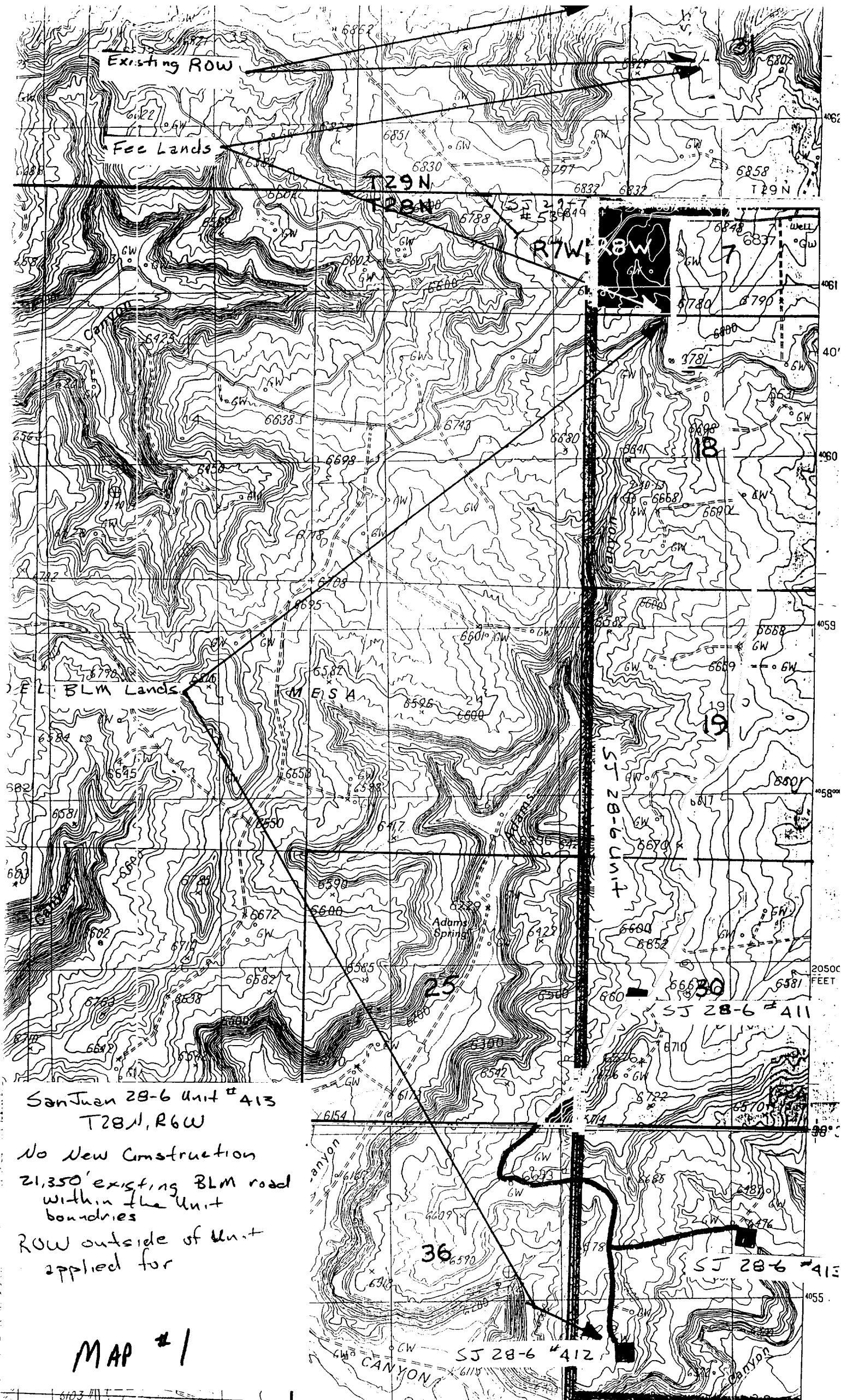
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2561'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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

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 529 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. 1139 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.



San Juan 28-6 Unit #413
T28N, R6W

No New Construction
21,350' existing BLM road
within the Unit
boundaries
ROW outside of Unit
applied for

MAP #1