

80-039-24853

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-080430
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO.	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 2510' FSL 1190' FWL	9. WELL NO. 411
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. SEC. 30 T28N R06W NMPM
12. COUNTY RIO ARRIBA	13. STATE NM
14. DISTANCE IN MILES FROM NEAREST TOWN 8 MILES SW OF GOBERNADOR	15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 1190'
16. ACRES IN LEASE 263.12	17. ACRES ASSIGNED TO WELL w/ 263.12
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1500'	19. PROPOSED DEPTH 3331'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6602' GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

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

JUL 31 1990

6/30/90
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 Assessor:
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

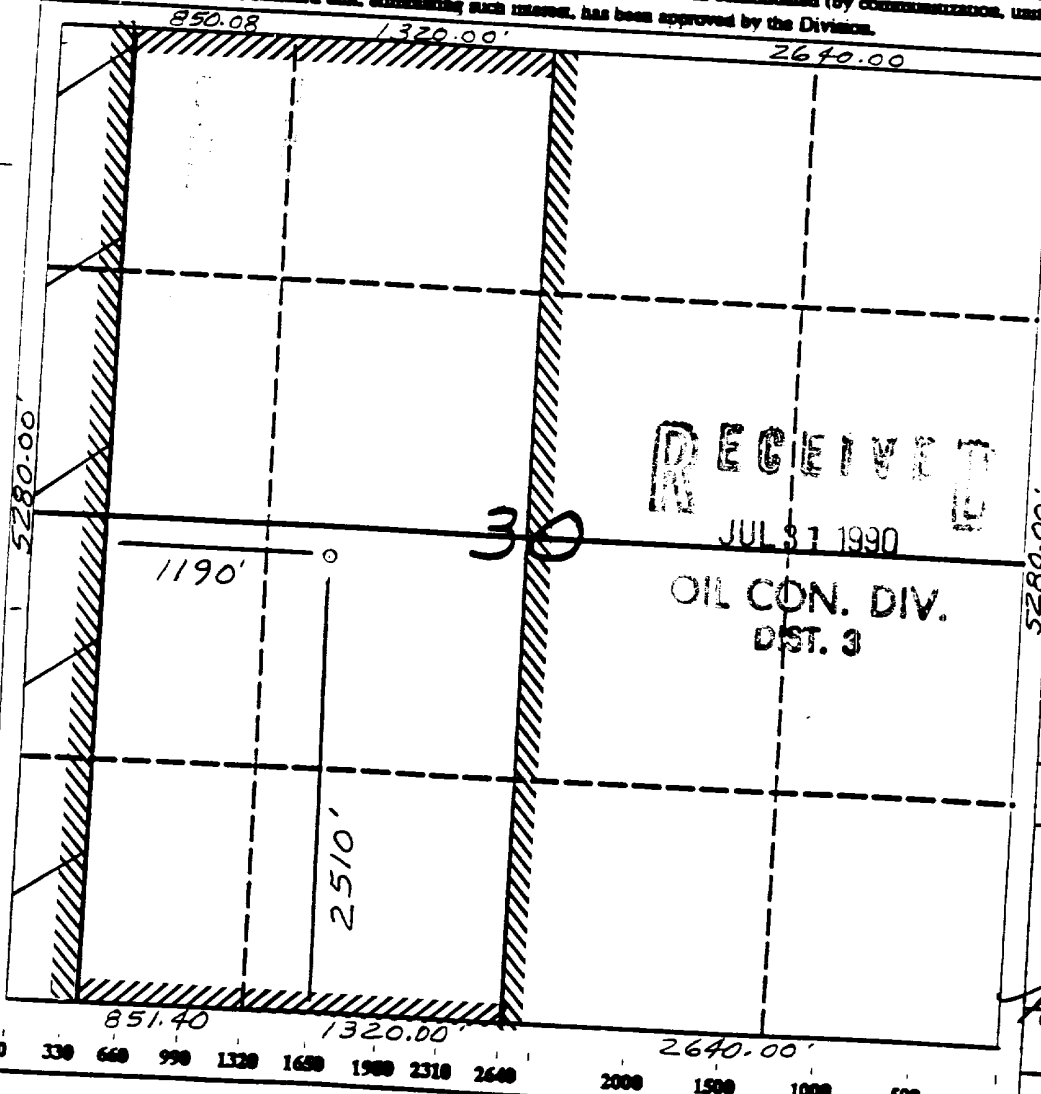
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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 El Paso Natural Gas				Lease San Juan 28-6 Unit (SF-030430)	Well No. 411
Unit Letter K	Section 30	Township 28 North	Range 6 West	County Rio Arriba	
Actual Footage Location of Well: 2510 feet from the South line and 1190 feet from the West line					
Ground level Elev. 6602'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 263.12 Acres

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



RECEIVED
JUL 31 1990
OIL CON. DIV.
DST. 3

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

6-26-90
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.

NEALE C. EDWARDS
Date Surveyed

857
Signature of Surveyor

REGISTERED LAND SURVEYOR

Neale C. Edwards
Signature

6857
Certificate No.

OPERATIONS PLAN

DATE: JUN 26, 1990

Well Name: 411 SAN JUAN 28-6 UNIT
 Sec. 30 T28N R06W
 BASIN FRUITLAND COAL

2510' FSL 1190' FWL
 RIO ARriba NEW MEXICO
 Elevation 6602' GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2564
 Kirtland- 2670
 Fruitland- 3106
 Fruitland Coal Top- 3186
 Fruitland Coal Base- 3328
 Pictured Cliffs- 3331

Total Depth- 3331

Logging Program: Mud logs from 3106 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3331	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 - 3331		5 1/2"	15.5#	K-55
		0 - 3331		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.

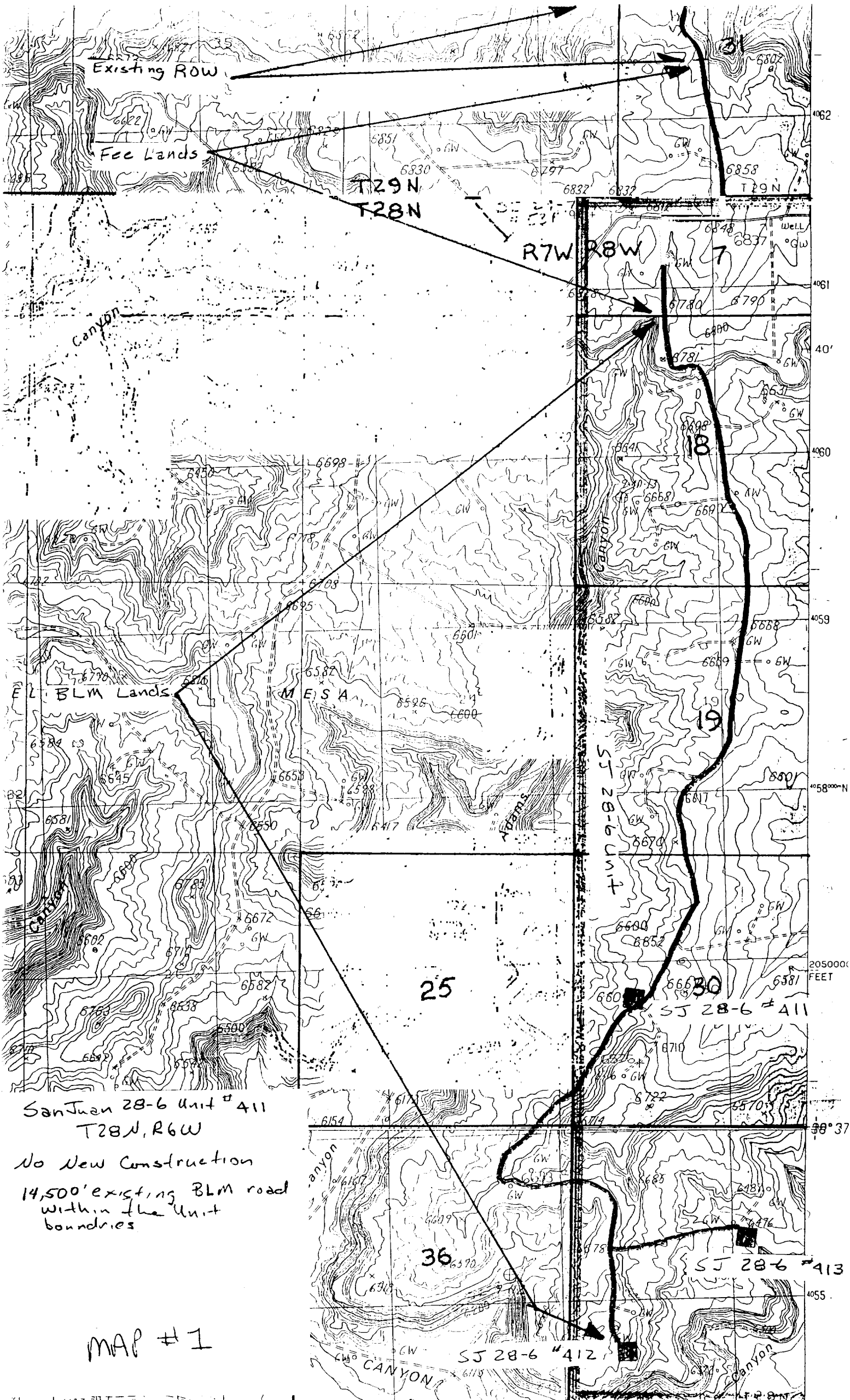
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2670'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 541 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. 1162 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.



Existing ROW

Fee Lands

T29N
T28N

R7W R8W

Canyon

BLM Lands

MESA

San Juan 28-6 Unit #411

San Juan 28-6 Unit #411
T28N, R6W

No New Construction
14,500' existing BLM road
within the Unit
boundaries

MAP #1

25

36

18

19

30

413

San Juan 28-6 #412

205000 FEET

38°37'

CANYON

CANYON