

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-034-25053
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

MAR 04 1991

OIL CON. DIV.

DIST. 3

- 1a. TYPE OF WORK
DRILL
- 1b. TYPE OF WELL
GAS
2. OPERATOR
EL PASO NATURAL GAS CO. 14538
El Paso Natural Gas Co.
3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499
4. LOCATION OF WELL
2040' FSL 1280' FWL
5. LEASE NUMBER
SF-078919
6. IF INDIAN, ALL. OR TRIBE NAME
7. UNIT AGREEMENT NAME
SAN JUAN 29-7 UNIT ✓
8. FARM OR LEASE NAME
SAN JUAN 29-7 UNIT 7465
9. WELL NO.
543 ✓
10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL ✓ 71629
11. SEC. T. R. M OR BLK.
L SEC. 3 T29N R07W NMPM ✓
12. COUNTY
RIO ARriba
13. STATE
NM
14. DISTANCE IN MILES FROM NEAREST TOWN
5 MILES S/E OF NAVAJO DAM
15. DISTANCE FROM
PROPOSED LOCATION 1280'
TO NEAREST PROPERTY
OR LEASE LINE.
16. ACRES IN LEASE 720
17. ACRES ASSIGNED TO WELL
W/ 317.83 ✓
18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 1257'
COMPL., OR APPLIED
FOR ON THIS LEASE.
19. PROPOSED DEPTH 3563'
20. ROTARY OR CABLE TOOLS
ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.)
6724' GL ✓
22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM

This section 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".

*SEE OPERATIONS PLAN

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

9/28/90
DATE

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

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

APR 11 1991
[Signature]
AREA MANAGER

NMOCD

NSL 3070
OK *[Signature]*

Submit to Approprate
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 OD, Aramis, NM 88210

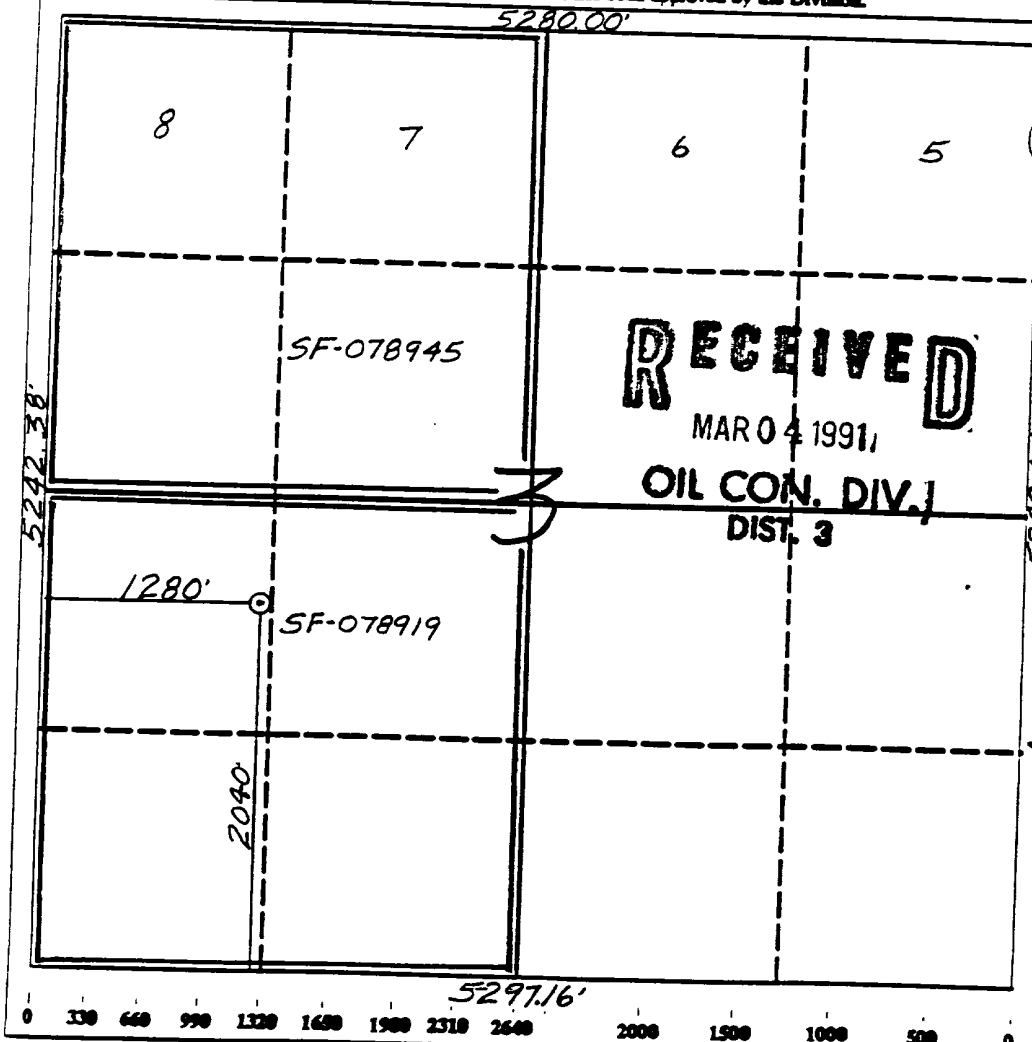
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-078919)		Well No. 543
Unit Letter L	Section 3	Township 29 North	Range 7 West	County NMPM Rio Arriba
Actual Footage Location of Well: 2040 feet from the South line and 1280 feet from the West line				
Ground level Elev. 6724'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 317.83 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 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, 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.

8-2-90

Date Surveyed

Neale C. Edwards
Signature

Professional Surveyor
NEW MEXICO
6857
6857
REGISTERED LAND SURVEYOR

Certificate No.
Neale C. Edwards

Well Name: 543 SAN JUAN 29-7 UNIT
 Sec. 3 T29N R07W
 BASIN FRUITLAND COAL

2040'FSL 1280'FWL
 RIO ARRIBA NEW MEXICO
 Elevation 6724'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2682

Kirtland- 2782

Fruitland- 3267

Fruitland Coal Top- 3457

Fruitland Coal Base- 3560

Pictured Cliffs- 3569

Intermediate TD- 3437

Total Depth- 3563

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3437	Non-dispersed	8.4 - 9.1	30-60	no control
	3437 - 3563	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3437	7"	20.0#	K-55
	6 1/4"	3387 - 3563	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3563	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2782'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

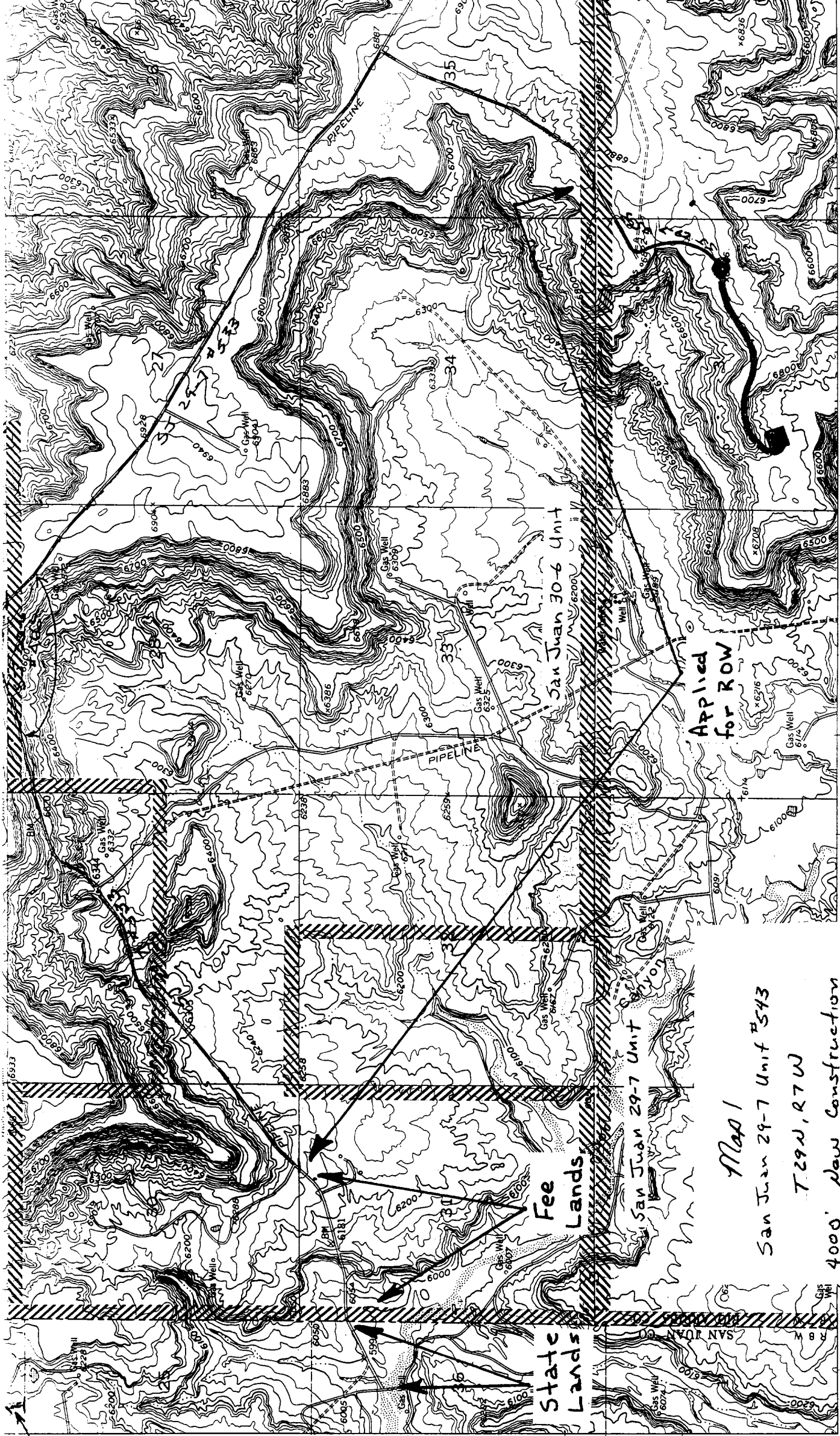
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 160 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 506 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. 1095 cu ft. of slurry, 110% 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.

5 1/2" liner - do not cement.



State Lands

Fee Lands

Applied for ROW

Map 1

San Juan 29-7 Unit #543

T29N, R7W

4000' New Construction

Existing BLM Roads within Unit Boundaries

BLANCO 14 MI. / 107°37'30"

36°45' 107°37'30"

Topography from aerial photo

Control by USGS and USC&I

Mapped, edited, and publ

Scale 1:24,000

1 MILE