

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-078943-A
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Wendell Red Tree</i>	7. UNIT AGREEMENT NAME SAN JUAN 29-7 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 29-7 UNIT
4. LOCATION OF WELL 1240'FNL 1720'FEL	9. WELL NO. 547
14. DISTANCE IN MILES FROM NEAREST TOWN 1 MILE S. OF NAVAJO CITY	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 1240' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. <i>B</i> SEC. 7 T29N R07W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL <i>546.72</i> <i>E/320.00</i>	12. COUNTY RIO ARRIBA
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	13. STATE NM
21. ELEVATIONS (DF, FT, GR, ETC.) 6233'GL	19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 3015' ROTARY
22. APPROX. DATE WORK WILL START	

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

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

NOV 20 1990

24. AUTHORIZED BY: *Charles J. W.C.*
REG. DRILLING ENGR.

OIL CON. DIV.
DIST. 3

DATE *11/2/90*

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

APPROVED
AS AMENDED

NOV 13 1990

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-A AREA MANAGER

ok

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 00, Artesia, NM 88210

DISTRICT III

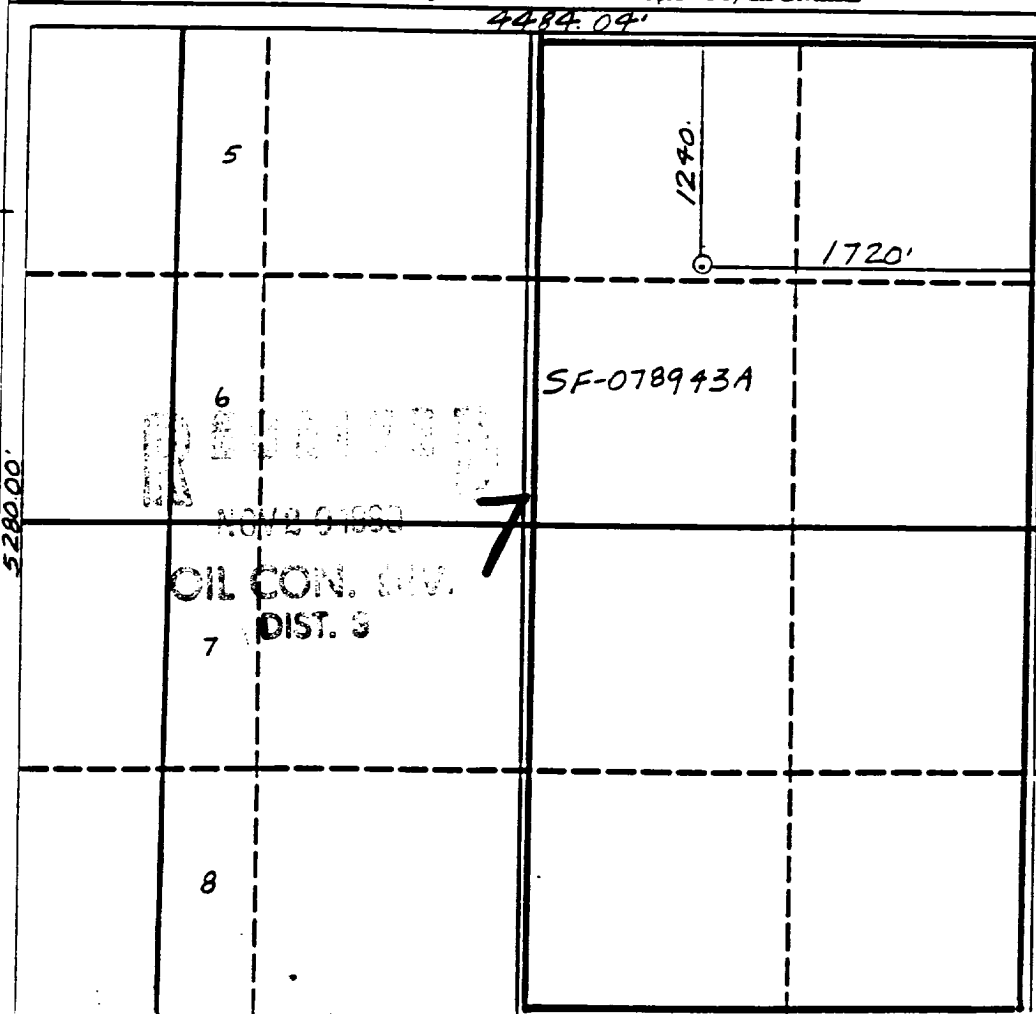
1000 Rio Brizos Rd., Aztec, NM 87410

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 San Juan 29-7 Unit		Well No. 547
Unit Letter B	Section 7	Township 29 North	Range 7 West	County NMPM Rio Arriba
Actual Footage Location of Well: 1240 feet from the North line and 1720 feet from the East line				
Ground level Elev. 6233'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ballpoint marker 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.

Signature *Peggy Bradfield*

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

El Paso Natural Gas

Company

10-11-90

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.

Date Surveyed

Signature *Neale C. Edwards*
Professional Surveyor



Certification

Neale C. Edwards

Well Name: 547 SAN JUAN 29-7 UNIT
 Sec. 7 T29N R07W
 BASIN FRUITLAND COAL

1240'FNL 1720'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 6233'GL

Formation tops: Surface- San Jose
 Ojo Alamo- 1985
 Kirtland- 2150
 Fruitland- 2675
 Fruitland Coal Top- 2840
 Fruitland Coal Base- 3011
 Pictured Cliffs- 3022

Total Depth- 3015

Logging Program: Mud logs from 2675 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3015	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 - 3015	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3015	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 @ 2150'. 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 484 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. 1052 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.