

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-25055
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>Mexican Oil Co.</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 1860' FSL 1430' FWL	9. WELL NO. 548
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 1430' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. K SEC. 7 T29N R07W NMPM
16. ACRES IN LEASE 546.72	12. COUNTY RIO ARRIBA
17. ACRES ASSIGNED TO WELL 226.72	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 200' COMPL., OR APPLIED This action is subject to technical and FOR ON THIS LEASE procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	19. PROPOSED DEPTH 3068'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6310' GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

MAR 11 1991

24. AUTHORIZED BY: *Sammy Boone*
REG. DRILLING ENGR.

OIL CON. DIV. 30-29-90
DIST. 3 DATE

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

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

NMOCD

MAR 04 1991
Foran
AREA MANAGER

R-9303 N50
N56-2987

RECEIVED
JAN 1 1961
U.S. AIR FORCE
HONOLULU, HAWAII

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-182
Revised 1-1-88

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

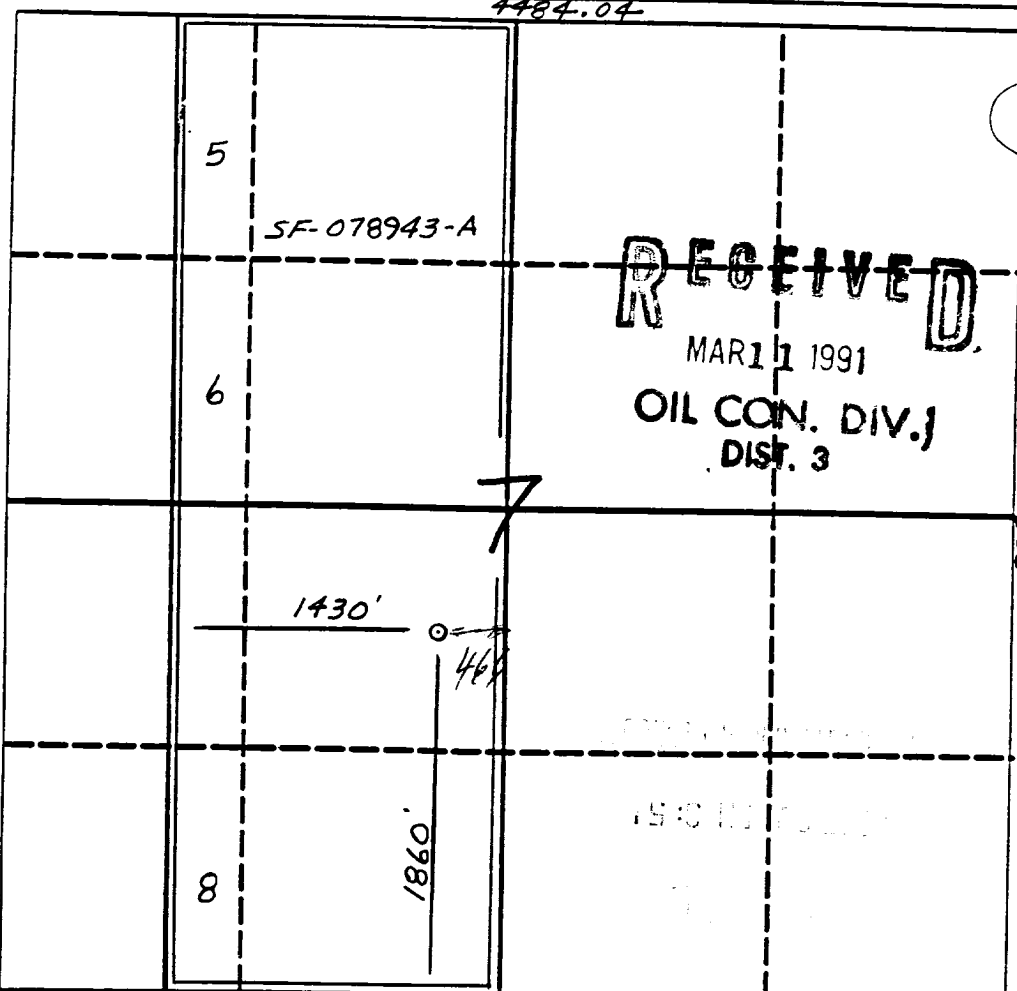
1000 Rio Brazos Rd., Aztec, NM 87410

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 San Juan 29-7 Unit		Well No. 548
Unit Letter K	Section 7	Township 29 North	Range 7 West	County Rio Arriba
Actual Footage Location of Well: 1860 feet from the South line and 1430 feet from the West line				
Ground level Elev. 6310'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage 226.72 Acres

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

Signature *Peggy Bradfield*

Printed Name
Peggy Bradfield

Position
Regulatory Affairs

Company
El Paso Natural Gas

Date
10-30-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes on actual surveys made by me or under my supervision, and that these surveys are correct to the best of my knowledge and belief. 9-18-90

Date Surveyed

Signature *Neale C. Edwards*
Professional



Certification
Neale C. Edwards

Well Name: 548 SAN JUAN 29-7 UNIT
 Sec. 7 T29N R07W
 BASIN FRUITLAND COAL

1860'FSL 1430'FWL
 RIO ARRIBA NEW MEXICO
 Elevation 6310'GL

Formation tops: Surface- San Jose
 Ojo Alamo- 2050
 Kirtland- 2230
 Fruitland- 2735
 Fruitland Coal Top- 2837
 Fruitland Coal Base- 3067
 Pictured Cliffs- 3069

Total Depth- 3068

Logging Program: Mud logs from 2735 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3068	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 - 3068	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3068	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.

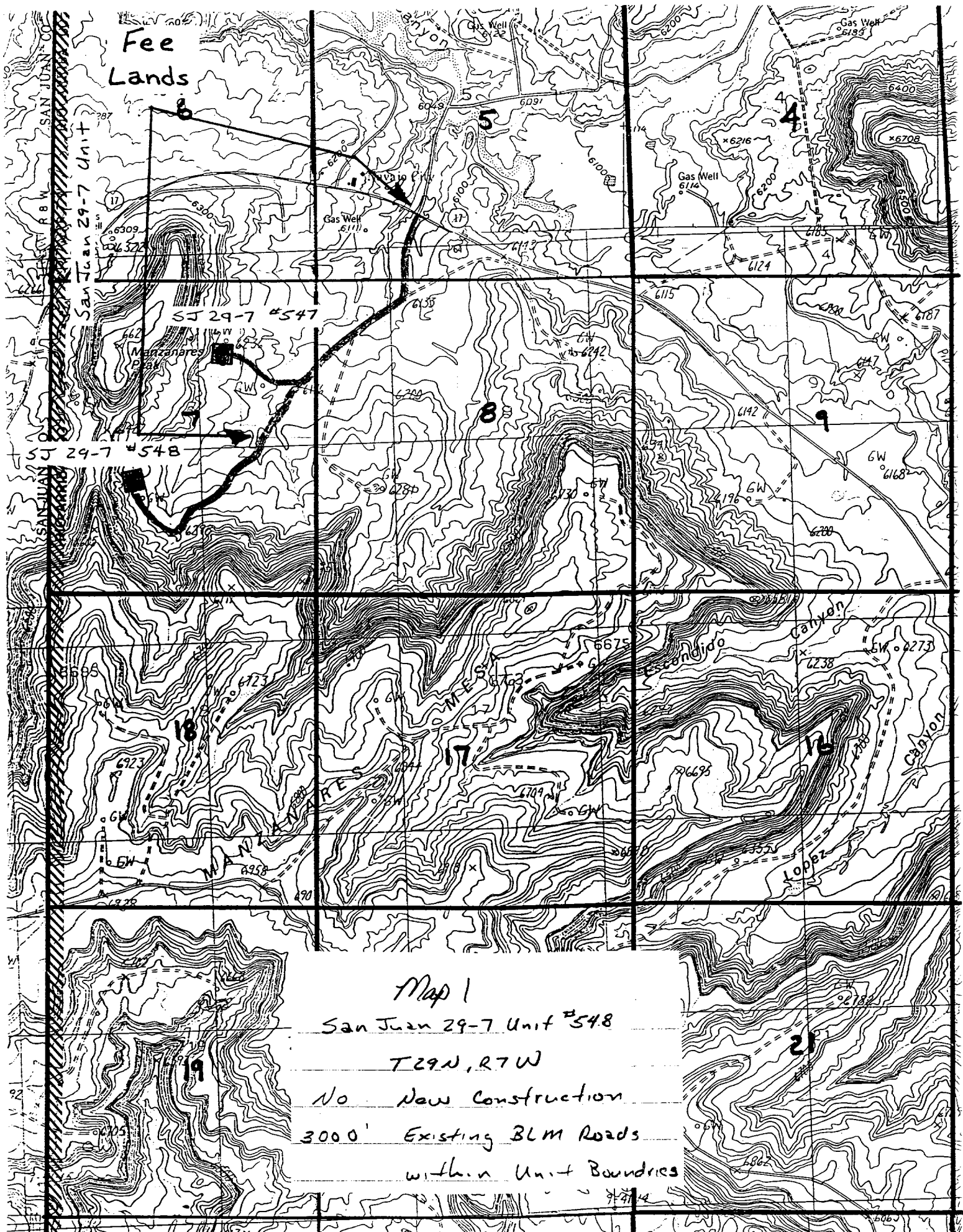
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2230'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 493 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. 1069 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

San Juan 29-7 Unit

SJ 29-7 #547

SJ 29-7 #548

Map 1

San Juan 29-7 Unit #548

T29N, R7W

No New Construction

3000' Existing BLM Roads

within Unit Boundaries

7/27/14