

50-039-24634

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 NM-012709
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Meridian Oil Co.</i>	7. UNIT AGREEMENT NAME SAN JUAN 30-6 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 30-6 UNIT
4. LOCATION OF WELL 1445'N 1790'E	9. WELL NO. 447
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. C SEC. 31 T30N R07W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 3 MILES FROM NAVAJO CITY	12. COUNTY RIO ARRIBA
15. DISTANCE FROM PROPOSED LOCATION 1545' TO NEAREST PROPERTY OR LEASE LINE.	13. STATE NM
16. ACRES IN LEASE 1420.68	17. ACRES ASSIGNED TO WELL E/320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 400' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3020'
20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (DF, FT, GR, ETC.) 6210'GL 6209	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *Randy B. [Signature]*
REGULATORY AFFAIRS

10-3-89
DATE

PERMIT NO. **RECEIVED** APPROVAL DATE

APPROVED BY FEB 27 1990

TITLE

DATE

OIL CON. DIV

APPROVED
AS AMENDED

FEB 22 1990

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

[Signature]
AREA MANAGER

Submit to Assessor -
District Office
State Lands - 4 copies
Fee Lands - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

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. Denver CO, Arama, NM 88210

DISTRICT III
1000 Rio Rancho Rd., Arama, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

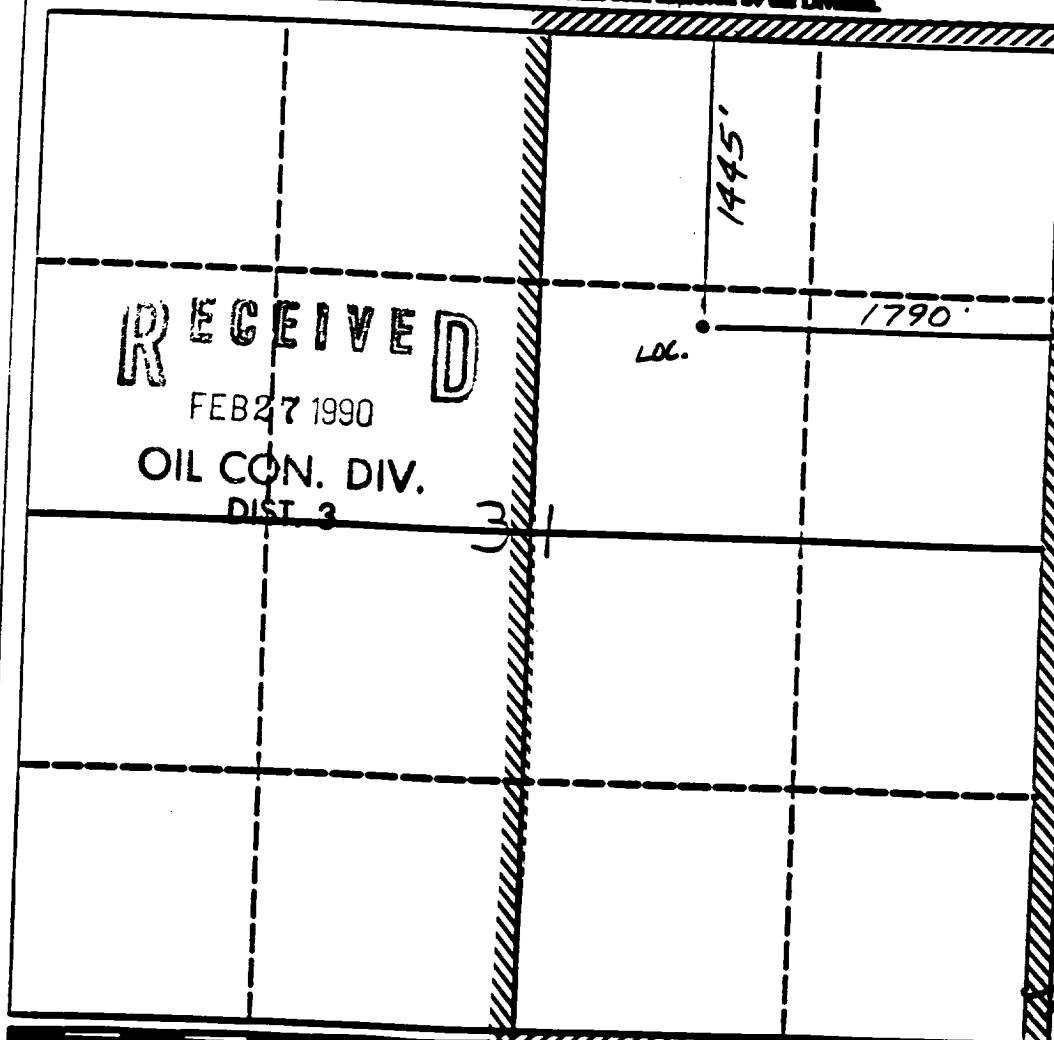
All Distances must be from the corner source of the section

50 JAN -4 PM 2:09

Form C-18
Revised 1-1

Operator <u>El Paso Natural Gas</u>		Well No. <u>447</u>	
Unit Letter <u>G</u>	Section <u>31</u>	Township <u>30 North</u>	Range <u>7 West</u>
County <u>Rio Arriba</u>		NMPM	
Actual Footage Location of Well: <u>1445</u> feet from the <u>North</u> line and <u>1790</u> feet from the <u>East</u> line		Distance Across <u>320</u> As	
Ground surface elev. <u>6209'</u>		Producing Formation <u>Fruitland Coal Basin</u>	

1. Outline the acreage dedicated to the current well by corner points or distance measurements 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 consent of all owners been communicated by communication, lease-pooling, etc.?
- ☒ Yes ☐ No If answered "yes" type of communication unitization
- If answer is "no" list the owners and what developments would have actually been communicated. (Use reverse side of this form if necessary.)
- No allowable well be assigned to the well until all owners have been communicated (by communication, lease-pooling, or otherwise) or until a non-consent suit, disinterested suit, etc., has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete best of my knowledge and belief.

Signature Peggy Bradfield

Printed Name Peggy Bradfield

Position Regulatory Affairs

Company El Paso Natural Gas

Date 1-3-90

Day

Month

Year

SURVEYOR CERTIFICATION

I hereby certify that the well location on this plat was placed 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.

Date Surveyed 1-3-90

Signature of Surveyor Edward O. Edwards

Printed Name Edward O. Edwards

Position Professional Surveyor

Registration No. 857

Expiration Date

Signature of Operator

Printed Name

Position

Company

6857-

Well Name: 447 SAN JUAN 30-6 UNIT
 Sec. 31 T30N R07W
 BASIN FRUITLAND COAL

1545'N 1790'E
 RIO ARriba NEW MEXICO
 Elevation 6210'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2000
 Kirtland- 2200
 Fruitland- 2810
 Fruitland Coal Top- 2920
 Fruitland Coal Base- 3020
 Intermediate TD- 2910
 Total Depth- 3020
 Pictured Cliffs- 3025

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 - 2910	Non-dispersed	8.4 - 9.1	30-60	no control
	2910 - 3020	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 - 2910	7"	20.0#	K-55
	6 1/4"	2860 - 3020	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3020	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

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.

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 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 81 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. 274 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

30-6 447

