

30-039-24566

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-078423
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Midwestern Oil Inc.</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 2305'S 1495'W	9. WELL NO. 522
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. <i>K</i> SEC. 17 T29N R07W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 8 MILES FROM GOVERNADOR	12. COUNTY RIO ARRIBA
15. DISTANCE FROM PROPOSED LOCATION 1495' TO NEAREST PROPERTY OR LEASE LINE.	13. STATE NM
16. ACRES IN LEASE	17. ACRES ASSIGNED TO WELL <i>W</i> 320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 500' COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6778'GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

24. AUTHORIZED BY: *[Signature]* NOV 02 1989
REGULATORY AFFAIRS OIL CON. DIV. DATE *10-7-89*

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE *10-21-1989*

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-1 AREA MANAGER

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-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, Artesa, 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 <u>El Paso Natural Gas</u>		Lease <u>San Juan 29-7 Unit</u> (SF-078423)		Well No. <u>522</u>
Unit Letter <u>K</u>	Section <u>17</u>	Township <u>29 North</u>	Range <u>7 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Well: <u>2305</u> feet from the <u>South</u> line and <u>1495</u> feet from the <u>West</u> line				
Ground level Elev. <u>6778'</u>	Producing Formation <u>Fruitland Coal</u>	Pool <u>Basin</u>	Dedicated Acreage: <u>320</u> 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 the best of my knowledge and belief.

Signature Peggy Bradfield

Printed Name Peggy Bradfield

Position Regulatory Affairs

Company El Paso Natural Gas

Date 10-7-89

Signature Neale O. Edwards

Professional Surveyor

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 9-6-89

Signature Neale O. Edwards

Professional Surveyor

Registration No. 857

Signature Neale O. Edwards

Professional Surveyor

Registration No. 6857

RECEIVED

NOV 02 1989

OIL CON. DIV.
DIST. 3

1495'

LOC.

2305'

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Well Name: 522 SAN JUAN 29-7 UNIT
 Sec. 17 T29N R07W
 BASIN FRUITLAND COAL

2305'S 1495'W
 RIO ARRIBA NEW MEXICO
 Elevation 6778'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2486
 Kirtland- 2674
 Fruitland- 3175
 Fruitland Coal Top- 3369
 Fruitland Coal Base- 3475
 Total Depth- 3475
 Pictured Cliffs- 3479

Logging Program: Mud logs from 3175 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3475	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 - 3475	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3475	2 3/8"	4.7#	J-55

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

5 1/2" production casing - float shoe on bottom.
 Three centralizers run every other joint above shoe.

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 140 sacks of class "B" cement with 1/4# flocculent/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 116 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. 343 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.

