

RECEIVED

NOV 27 1990

OIL CON. DIV.

DIST-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-25024

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079392
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Mentem Oil Inc.</i>	7. UNIT AGREEMENT NAME SAN JUAN 27-5 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 27-5 UNIT
4. LOCATION OF WELL 1190' FNL 1660' FEL	9. WELL NO. 319
	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. <i>G</i> SEC. 29 T27N R05W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 20 MILES N. OF GOVERNADOR	12. COUNTY RIO ARRIBA
	13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 1190' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE <i>2511.83</i>
	17. ACRES ASSIGNED TO WELL <i>E</i> 295.88
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 500' COMPL., OR APPLIED This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. FOR ON THIS LEASE.	19. PROPOSED DEPTH 3229'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6484' GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *[Signature]*
REG. DRILLING ENGR.

10/24/90
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

NOV 20 1990
[Signature]
AREA MANAGER

NMOCD

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, Artesia, NM 88210

DISTRICT III
1000 Rio Grande 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-079392)	Well No. 319
Unit Letter G	Section 29	Township 27 North	Range 5 West
Actual Footage Location of Well: 1190 feet from the North line and 1660 feet from the East line		County NMPM	Rio Arriba
Ground level Elev. 6484'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 295.88 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or lacquer marks on the plat below.

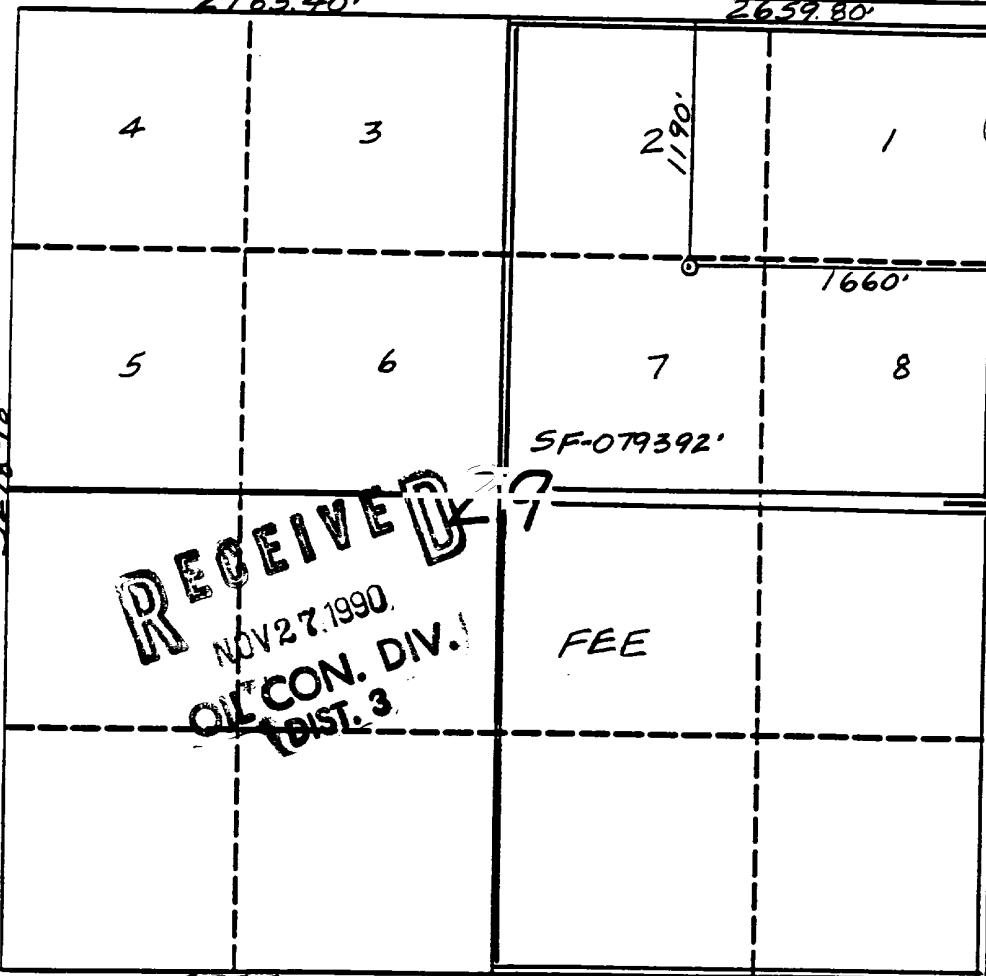
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the 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
10-24-90

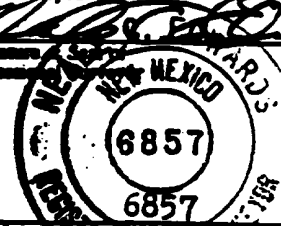
SURVEYOR CERTIFICATION

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.

9-11-90

Date Surveyed

Signature *Neale Edwards*
Professional Seal



Condition
Neale Edwards

Well Name: 319 SAN JUAN 27-5 UNIT
Sec. 29 T27N R05W
BASIN FRUITLAND COAL

1190'FNL 1660'FEL
RIO ARRIBA NEW MEXICO
Elevation 6484'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2609

Kirtland- 2759

Fruitland- 2959

Fruitland Coal Top- 3047

Fruitland Coal Base- 3226

Pictured Cliffs- 3231

Total Depth- 3229

Logging Program: Mud logs from 2959 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no contro.
	200 - 3229	Non-dispersed	8.4 - 9.5	30-60	no contro.

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 - 3229	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3229	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.

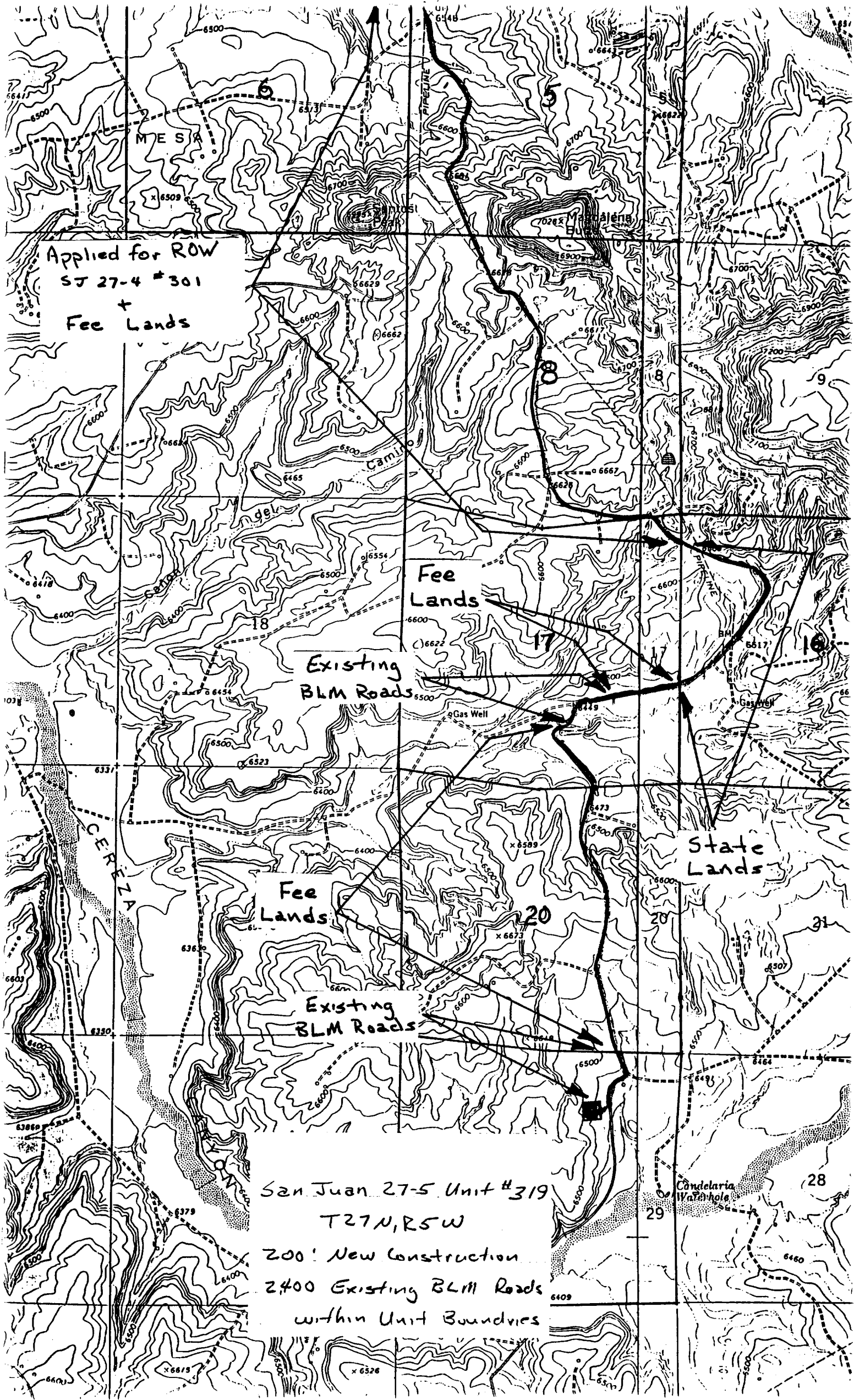
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2759'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembl

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 522 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. 1125 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.



Applied for ROW
SJ 27-4 #301
+
Fee Lands

Fee
Lands

Existing
BLM Roads

Fee
Lands

Existing
BLM Roads

State
Lands

San Juan 27-5 Unit #319
T27N, R5W

200' New Construction
2400 Existing BLM Roads
within Unit Boundaries