

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-25032

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079193	
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME	
2. OPERATOR EL PASO NATURAL GAS CO. <i>Meredith Oil Co.</i>	7. UNIT AGREEMENT NAME SAN JUAN 28-6 UNIT	
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 28-6 UNIT	
4. LOCATION OF WELL 1300' FSL 1355' FWL	9. WELL NO. 460	
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. <i>N</i> SEC. 21 T28N R06W NMPM	
14. DISTANCE IN MILES FROM NEAREST TOWN 8 MILES S/W OF GOVERNADOR	12. COUNTY RIO ARRIBA	13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 1300' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE <i>2240</i>	17. ACRES ASSIGNED TO WELL <i>W/ 320.00</i>
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 200' COMPL., OR APPLIED FOR ON THIS LEASE	19. PROPOSED DEPTH 3291'	20. ROTARY OR CABLE TOOLS ROTARY
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.		
21. ELEVATIONS (DF, FT, GR, ETC.) <i>6472' GL 6476</i>	22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM		

*SEE OPERATIONS PERMIT

RECEIVED

DEC 07 1990

24. AUTHORIZED BY: *Charles J. Smith for JWC*
REG. DRILLING ENGR. *CON. DIV* *12/18/90* DATE
DIST. 3

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

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

alt

11000

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

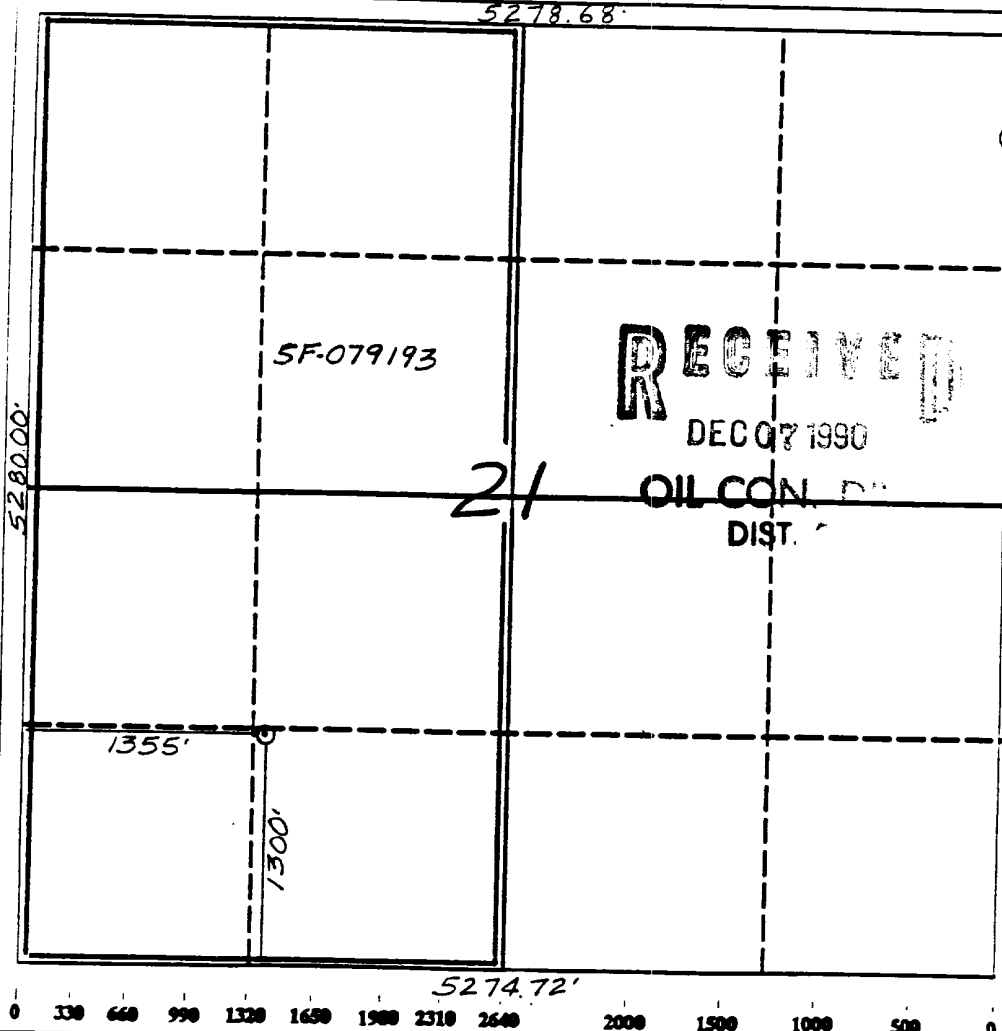
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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 28-6 Unit		Well No. 460
Unit Letter N	Section 21	Township 28 North	Range 6 West	County Rio Arriba
Actual Footage Location of Well: 1300 feet from the South line and 1355 feet from the West line				
Ground level Elev. 6476'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hectare 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, forced-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
10-18-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes and 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
9-20-90

Signature *Neale G. Edwards*

Professional Surveyor



Certificate No.
Neale G. Edwards

Well Name: 460 SAN JUAN 28-6 UNIT
 Sec. 21 T28N R06W
 BASIN FRUITLAND COAL

1300'FSL 1355'FWL
 RIO ARriba NEW MEXICO
 Elevation 6472'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2560

Kirtland- 2618

Fruitland- 2955

Fruitland Coal Top- 3088

Fruitland Coal Base- 3288

Pictured Cliffs- 3291

Total Depth- 3291

Logging Program: Mud logs from 2955 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3291	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 - 3291	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3291	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.

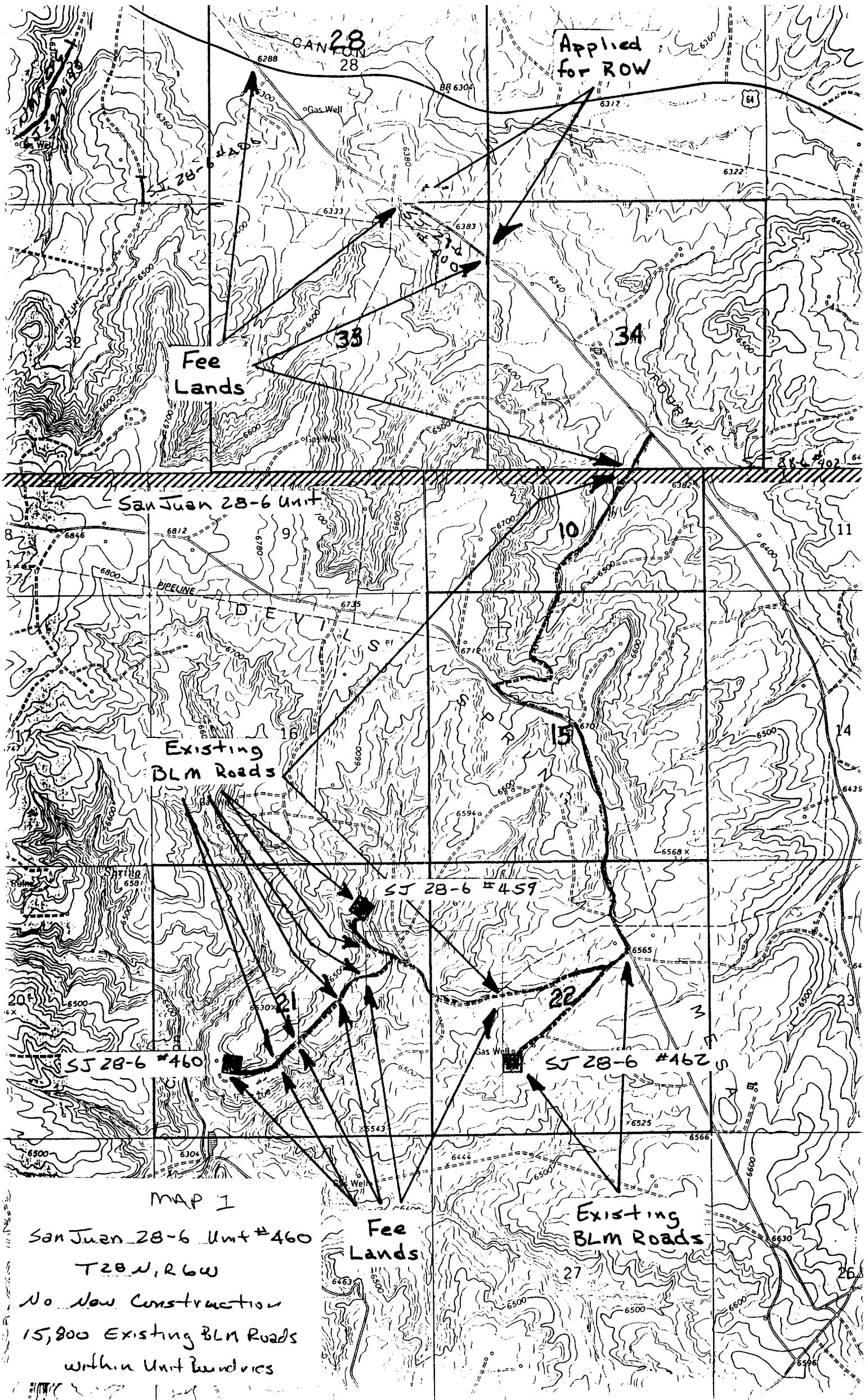
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2618'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 533 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. 1147 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.



MAP 1

San Juan 28-6 Unit #460

T28N, R6W

No New Construction

15,900 Existing BLM Roads

within Unit Boundaries