

30-039-24867

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL 1b. TYPE OF WELL GAS 2. OPERATOR <i>Mountain Oil Inc.</i> EL PASO NATURAL GAS CO. 3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499 4. LOCATION OF WELL 1075'FNL 835'FEL	5. LEASE NUMBER SF-078741 6. IF INDIAN, ALL. OR TRIBE NAME 7. UNIT AGREEMENT NAME SAN JUAN 30-6 UNIT 8. FARM OR LEASE NAME SAN JUAN 30-6 UNIT 9. WELL NO. 488 10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. SEC. 24 T30N R06W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 13 MILES N. OF GOVERNADOR	12. COUNTY RIO ARRIBA 13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 835' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL <i>E/</i> 228.52
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 600' COMPL., OR APPLIED FOR FOR ON THIS LEASE.	19. PROPOSED DEPTH 3111' 20. ROTARY OR CABLE TOOLS ROTARY DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
21. ELEVATIONS (DF, FT, GR, ETC.) 6290'GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

RECEIVED

AUG 13 1990

OIL CON. DIV.

DIST. 3

7/27/90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

NMOC D

[Signature]

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

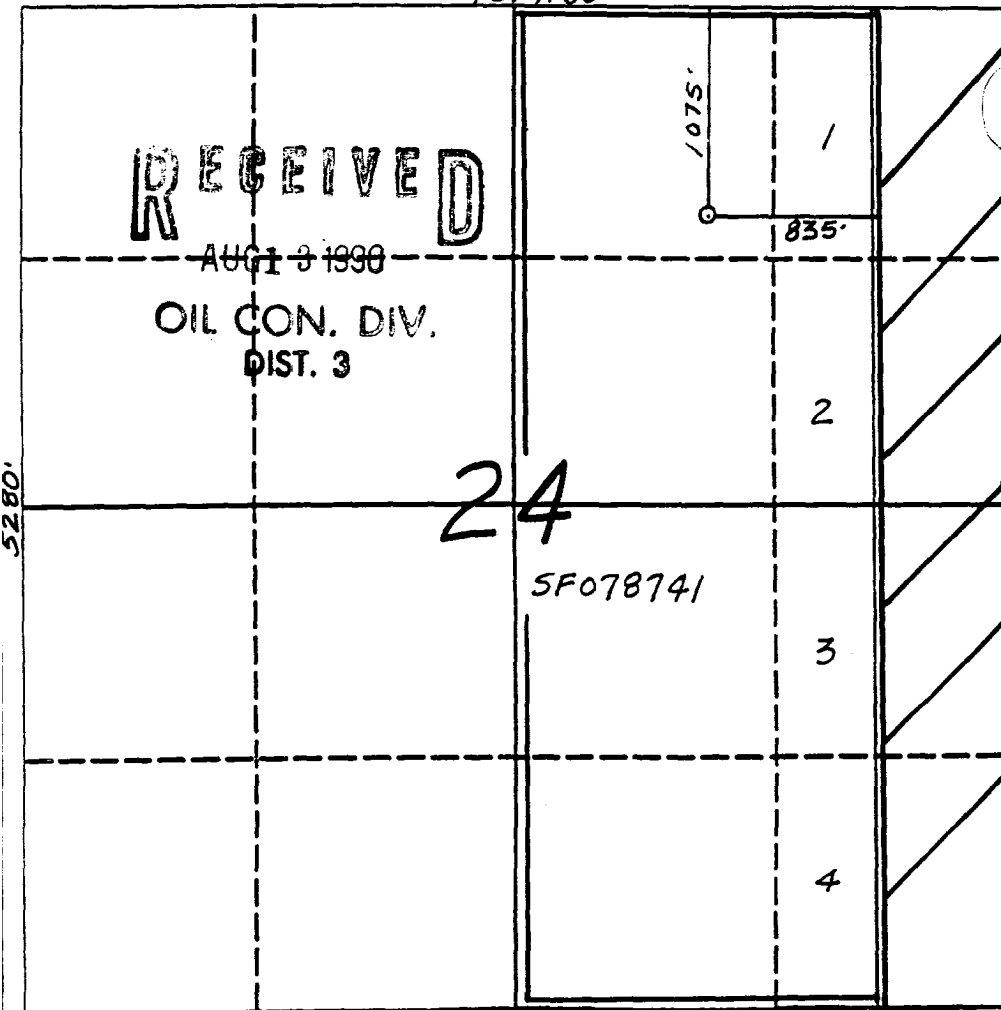
Operator <i>Meridian Oil Inc.</i> <i>El Paso Natural Gas</i>		Lease (SF-078741) <i>San Juan 30-6 Unit</i>	Well No. <i>488</i>
Unit Letter <i>B</i>	Section <i>24</i>	Township <i>30 North</i>	Range <i>6 West</i>
Actual Footage Location of Well: <i>1075</i> feet from the <i>North</i> line and <i>835</i> feet from the <i>East</i> line		County <i>NMPM</i>	<i>Rio Arriba</i>
Ground level Elev. <i>6290'</i>	Producing Formation <i>Fruitland Coal</i>	Pool <i>Basin</i>	Dedicated Acreage: <i>228.52</i> 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

4519.68'



OPERATOR CERTIFICATION

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

Peggy Bradford
Signature

Peggy Bradford
Printed Name

Regulatory Affairs
Position

El Paso Natural Gas
Company

7-27-90
Date

7-27-90
Date

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.

6-15-90
Date Surveyed

Neale C. Edwards
Signature

Neale C. Edwards
Professional Surveyor

NEALE C. EDWARDS
REGISTERED LAND SURVEYOR
6857
6857

Neale C. Edwards
Certificate No.

Well Name: 488 SAN JUAN 30-6 UNIT 1075'FNL 835'FEL
Sec. 24 T30N R06W RIO ARRIBA NEW MEXICO
BASIN FRUITLAND COAL Elevation 6290'GL

Formation tops: Surface- San Jose
Ojo Alamo- 2395
Kirtland- 2486
Fruitland- 2875
Fruitland Coal Top- 2955 Intermediate TD- 2935
Fruitland Coal Base- 3110 Total Depth- 3111
Pictured Cliffs- 3215

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 - 2935	Non-dispersed	8.4 - 9.1	30-60	no control
	2935 - 3111	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 - 2935	7"	20.0#	K-55
	6 1/4"	2885 - 3111	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3111	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2486'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 160 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 424 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. 937 cu ft. of slurry, 110% 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.

5 1/2" liner - do not cement.

9
 San Juan 30-6 Unit # 488
 T 30 N, R 6 W
 10' New Construction
 11,900 Existing BLM roads
 located within Unit
 Boundaries MAP 1

