

30-039-24865

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	5. LEASE NUMBER SF-080430 6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR <i>Meridian Oil Inc</i> EL PASO NATURAL GAS CO.	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 9. WELL NO. 409
4. LOCATION OF WELL 2320' FNL 1610' FEL	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. G SEC. 18 T28N R06W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES W. OF GOVERNADOR	12. COUNTY RIO ARRIBA 13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 1610' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL E 320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1000' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 3475' ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6672' GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS P

RECEIVED

AUG 13 1990

24. AUTHORIZED BY: *Tr Caldwell*
 REG. DRILLING ENGR.

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

Submit to Asst. Sec. -
District Office
State Leases - 4 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-162
Revised 1-1-88

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

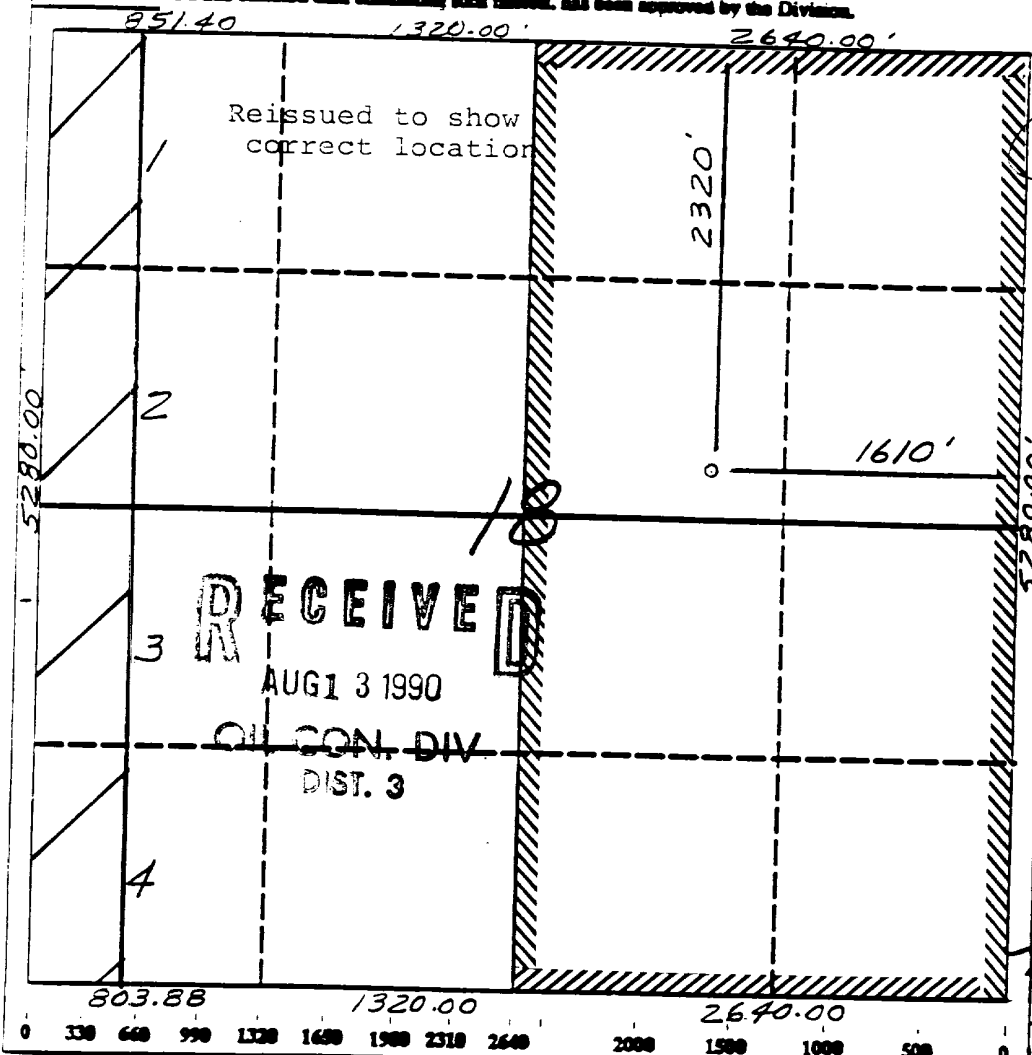
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <i>Meridian Oil Inc.</i> <i>El Paso Natural Gas</i>		Lease San Juan 28-6 Unit (SF-080430)	Well No. 409
Unit Letter G	Section 18	Township 28 North	Range 6 West
County NMPM		Rio Arriba	
Actual Forage Location of Well: 2320 feet from the North line and 1610 feet from the East line			
Ground level Elev. 6672'	Producing Formation Fruitland Coal	Pool Basin	Additional Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or lacquer 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 commutation, 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 commutation, 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 best of my knowledge and belief.

Signature
Peggy Bradfield
Peggy Bradfield

Printed Name
Regulatory Affairs

Position
El Paso Natural Gas

Company
7-27-90

Date

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

Date Surveyed
3-67-90
Neale C. Edwards

Signature of Sealed Professional Surveyor
857

REGISTERED LAND SURVEYOR
6857

Well Name: 409 SAN JUAN 28-6 UNIT
Sec. 18 T28N R06W
BASIN FRUITLAND COAL

2320'FNL 1610'FEL
RIO ARRIBA NEW MEXICO
Elevation 6672'GL

Formation tops: Surface- SAN JOSE
Ojo Alamo- 2590
Kirtland- 2730
Fruitland- 3215
Fruitland Coal Top- 3280
Fruitland Coal Base- 3465
Pictured Cliffs- 3470

Total Depth- 3475

Logging Program: Mud logs from 3215 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. 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 @ 2730'. 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 566 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. 1210 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.

