

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28448
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
NOV 27 1990

OIL CON. DIV.
DIST. 3

1a. TYPE OF WORK DRILL	5. LEASE NUMBER NM-03198
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME FROST
4. LOCATION OF WELL 1145' FNL 1565' FEL	9. WELL NO. 501
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. SEC. 25 T27N R10W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 18 MI. S/E OF BLOOMFIELD	12. COUNTY SAN JUAN
	13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 1145' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 382.16 E/302.16
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 250' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2394'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6573' GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	

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

10/13/90
DATE

APPROVED
AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE NOV 20 1990

[Signature]
AREA MANAGER

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

NMOOD

Held c-04 for Cancellation
Aug 1 Recd ZSA #152

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 00, 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 Meridian Oil Inc.			Lease Frost	Well No. 501
Unit Later B	Section 25	Township 27 North	Range 10 West	County San Juan
Actual Footage Location of Well: 1145 feet from the North line and 1565 feet from the East line				
Ground level Elev. 6573	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage 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 commutation, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No acreage will be assigned to the well until all interests have been consolidated (by commutation, unitization, force-pooling, or otherwise) or until a non-consolidated 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.

Peggy Bradford
Signature

Peggy Bradford

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

10-11-90

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 are correct to the best of my knowledge and belief.

9-19-90

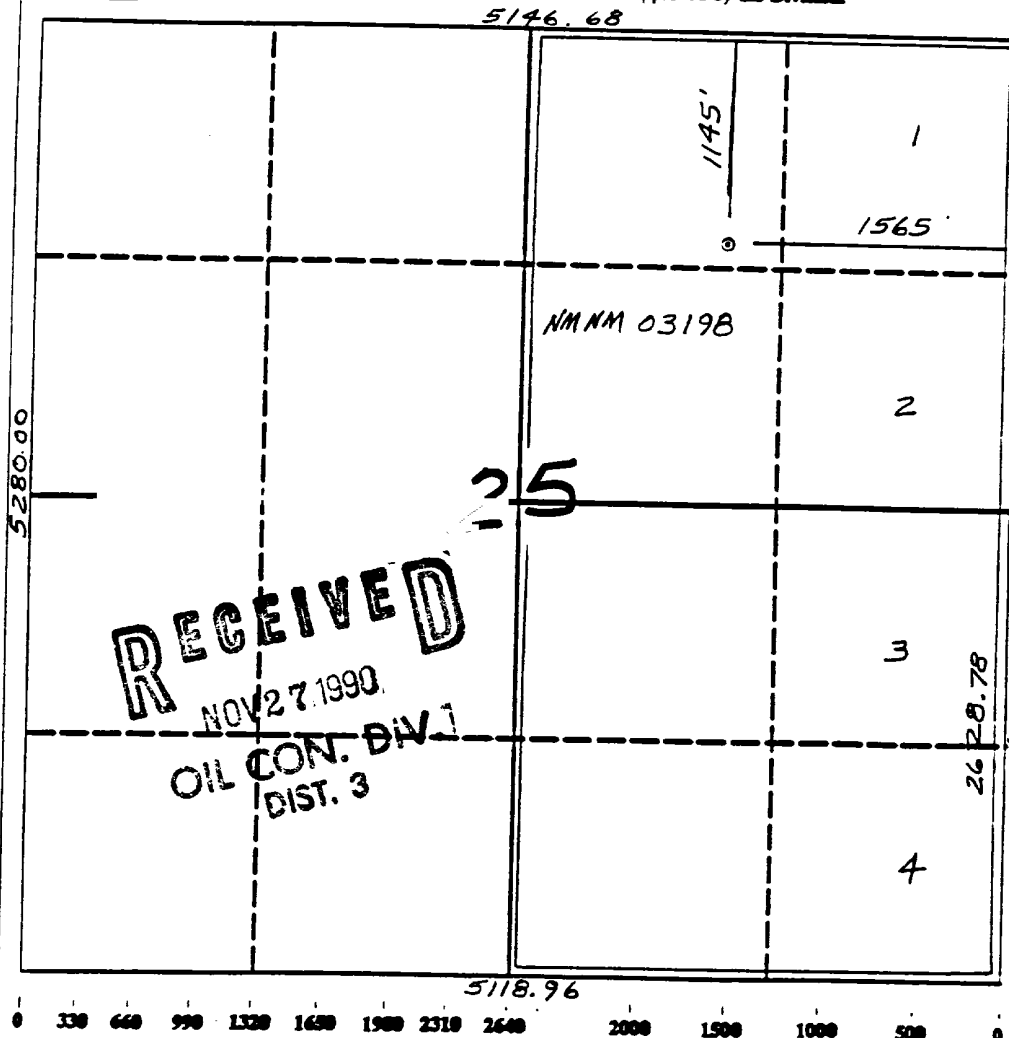
Date Surveyed

Signature

Professional Surveyor



Certified by
Neale C. Edwards



Well Name: 501 FROST 1145'FNL 1565'FEL
 Sec. 25 T27N R10W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6573'GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo- 1433

Kirtland- 1618

Fruitland- 2243

Fruitland Coal Top- 2265

Fruitland Coal Base- 2397

Total Depth- 2398

Logging Program: Mud logs from 2243 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2398	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 - 2398	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2398	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 @ 1618'. 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 373 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. 838 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
Frost #501

T27N, R10W

No New Construction

800' Existing BLM Roads within Lease Boundaries

New BLM ROW

Section 25: S2 NW 3000'

26: S2 NE 2600' NWSE 1300' S2SW 2500'

Existing
BLM Roads

New
BLM
ROW

Frost #501

NM-03198

Existing
BLM ROW
& Fee Lands

