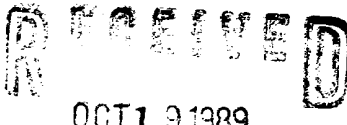


30-045-27512

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	 OCT 19 1989	5. LEASE NUMBER SF-077952
1b. TYPE OF WELL GAS		6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	OIL CON. DIV. DIST. 3	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499		8. FARM OR LEASE NAME GORDON
		9. WELL NO. 500
4. LOCATION OF WELL 2500'N 1400'E		10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
		11. SEC. T. R. M OR BLK. G SEC. 22 T27N R10W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 10 MILES FROM BLOOMFIELD	12. COUNTY SAN JUAN	13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 1400' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE 1753.36	17. ACRES ASSIGNED TO WELL 320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 600' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2002'	20. ROTARY OR CABLE TOOLS ROTARY This section is subject to technical and practical needs pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
21. ELEVATIONS (DF, FT, GR, ETC.) 6189'GL	22. APPROX. DATE WORK WILL START	

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

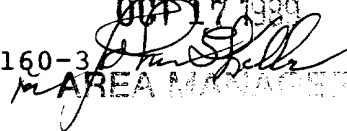
"Approval of this section does
not warrant that the applicant
holds legal or equitable rights
or title to this lease."

24. AUTHORIZED BY: 
REGULATORY AFFAIRS

9-29-89
DATE

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

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

APPROVED
AS AMENDED
OCT 17 1989

AREA MANAGER

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

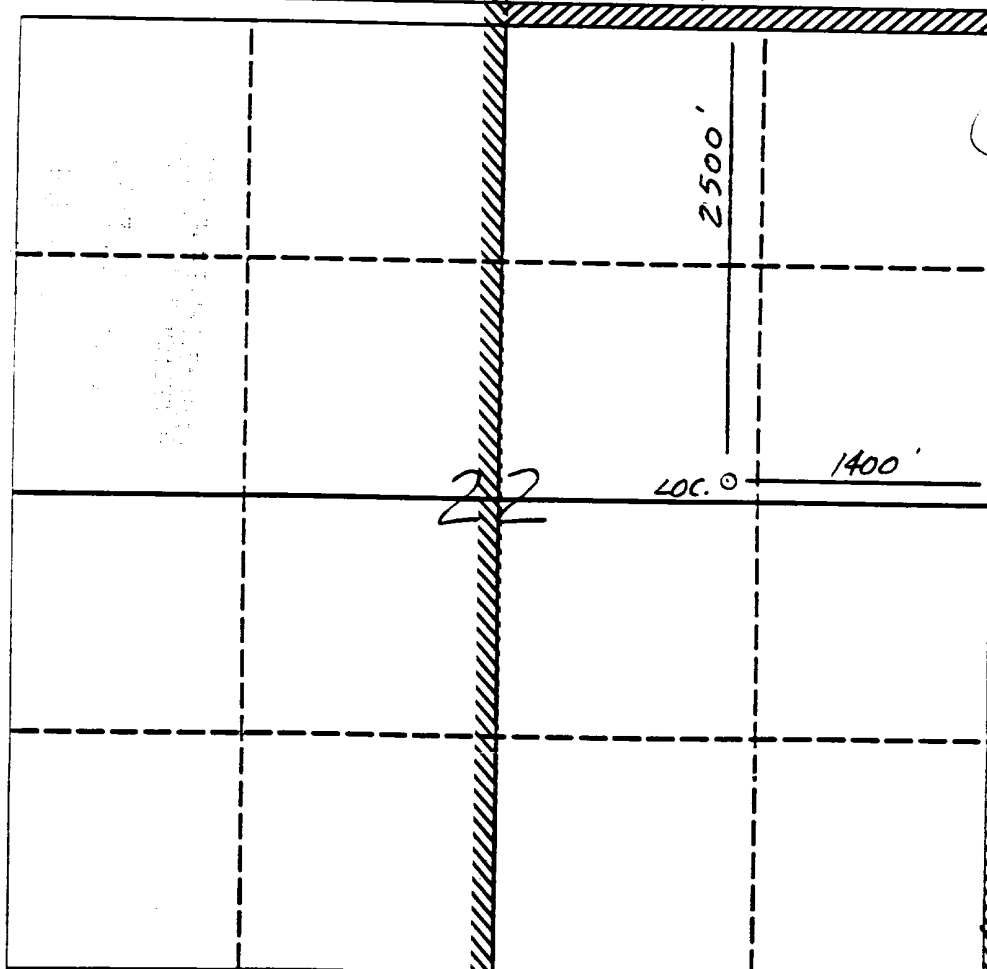
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Gordon (SF-077952)		Well No. 500
Unit Letter G	Section 22	Township 27 North	Range 10 West	County NMPM San Juan	
Actual Footage Location of Well: 2500 feet from the North line and 1400 feet from the East line					
Ground level Elev. 6189'		Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 _____
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
Regulatory Affairs
Position
Meridian Oil Inc.
Company
9-24-89
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 supervision, and that the same is true, correct to the best of my knowledge and belief.

Date Surveyed
Neal C. Edwards
Signature and Seal of Professional Surveyor

Certificate No.
6857

Well Name: 500 GORDON 2500'N 1400'E
Sec. 22 T27N R10W SAN JUAN NEW MEXICO
BASIN FRUITLAND COAL Elevation 6189'GL

Formation tops: Surface- NACIMIENTO
Ojo Alamo- 1011
Kirtland- 1168
Fruitland- 1694
Fruitland Coal Top- 1858
Fruitland Coal Base- 2001
Total Depth- 2002
Pictured Cliffs- 2005

Logging Program: Mud logs from 1694 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2002	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 - 2002	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2002	2 3/8"	4.7#	J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.

5 1/2" production casing - float shoe on bottom.

Three centralizers run every other joint above shoe.

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 140 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 117 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. 343 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

