

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-27632

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078138
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 HARTMAN COM
4. LOCATION OF WELL 1510'N 1330'E	9. WELL NO. 503
14. DISTANCE IN MILES FROM NEAREST TOWN 2 MILES SE OF AZTEC	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 1330' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. SEC. 23 T30N R11W NMPM
16. ACRES IN LEASE 2,003.26	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL E/320.00 317.20	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 400' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2474'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6031'GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

RECEIVED

MAR 07 1990

OIL CON. DIV.
DIST. 3

2/10/90
DATE

APPROVED

AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

MAR 02 1990

AREA MANAGER

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

Hold C-104 FOR CR

WMOOD

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

90 FEB 12 PM 1:06

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

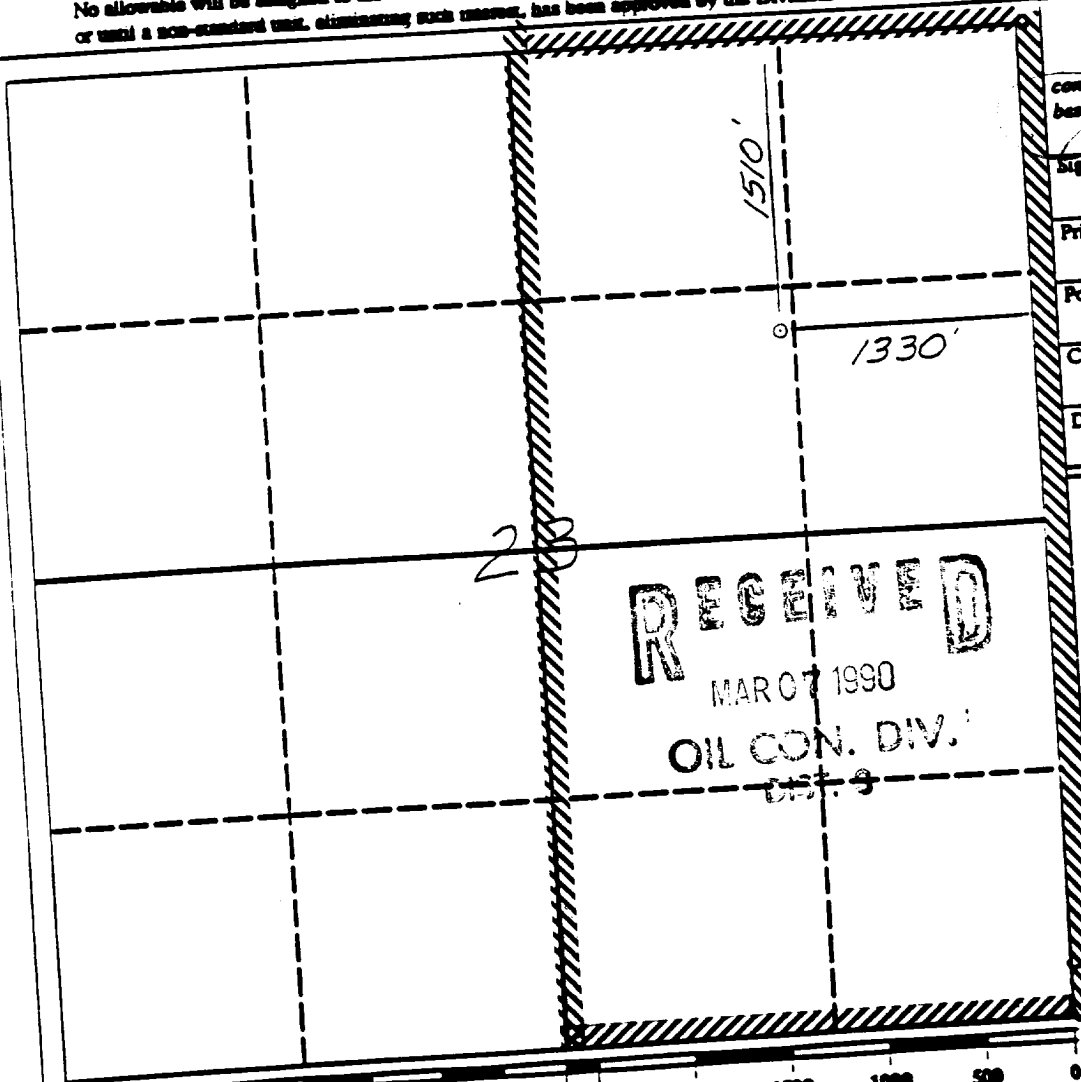
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Hartman Com		Well No. 503
Unit Letter G	Section 23	Township 30 North	Range 11 West	County San Juan
Actual Footage Location of Well: 1510 feet from the North line and 1330 feet from the East line		Dedicated Acreage: 317.20 Acres		
Ground level Elev. 6031'	Producing Formation Fruitland	Pool Basin Fruitland Coal		

- 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 communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation Communitization Agreement to be Obtained
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
 No allowance 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.



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MAR 07 1990
OIL CON. DIV.
DIST. 9

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

Position
Regulatory Affairs
Company
Meridian Oil Inc.
Date
1-10-90

SURVEYOR CERTIFICATION

I hereby certify that the well location on this plat was plotted from field actual surveys made by me or my supervision, and that the same is correct to the best of my knowledge and belief.

Date Surveyed
12-5-89
Signature of Surveyor
Ned C. Edwards
Professional Surveyor
857

REGISTERED LAND SURVEYOR
Certificate No.
6857

Well Name: 503 HARTMAN COM 1510'N 1330'E
 Sec. 23 T30N R11W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6031'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 1121
 Kirtland- 1215
 Fruitland- 2165
 Fruitland Coal Top- 2260
 Fruitland Coal Base- 2473
 Total Depth- 2474
 Pictured Cliffs- 2475

Logging Program: Mud logs from 2165 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2474	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 - 2474	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2474	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 assembly

Cementing:

8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocculent/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 387 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. 865 cu ft. of slurry, 100% excess to circulate to surface. Run temperature survey at 8 hours. WOC 12 hours.

