

30-045-27652
RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 16 1990

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR ~~PLUG BACK~~ BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

1a. TYPE OF WORK DRILL	5. LEASE NUMBER NM-02491
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 MURPHY C
4. LOCATION OF WELL 1040'N 1370'E	9. WELL NO. 500
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 1040' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. SEC. 27 T30N R11W NMPM
16. ACRES IN LEASE 317.66	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL N/ 317.66	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 400' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2316'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 5933'GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM
*SEE OPERATIONS PLAN	
not warrant that the applicant holds legal or equitable rights or title to this land.	
24. AUTHORIZED BY: <i>[Signature]</i> REG. DRILLING ENGR.	DATE 2/15/90

PERMIT NO. **RECEIVED** APPROVAL DATE **APPROVED**
APPROVED BY **MAR 16 1990** TITLE **AS AMENDED** DATE **MAR 08 1990**
OIL CON. DIV. **AREA MANAGER**
NOTE: THIS FORM IS ISSUED IN LIEU OF US BLM FORM 3160-3.

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

RECEIVED

FEB 16 1990

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

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

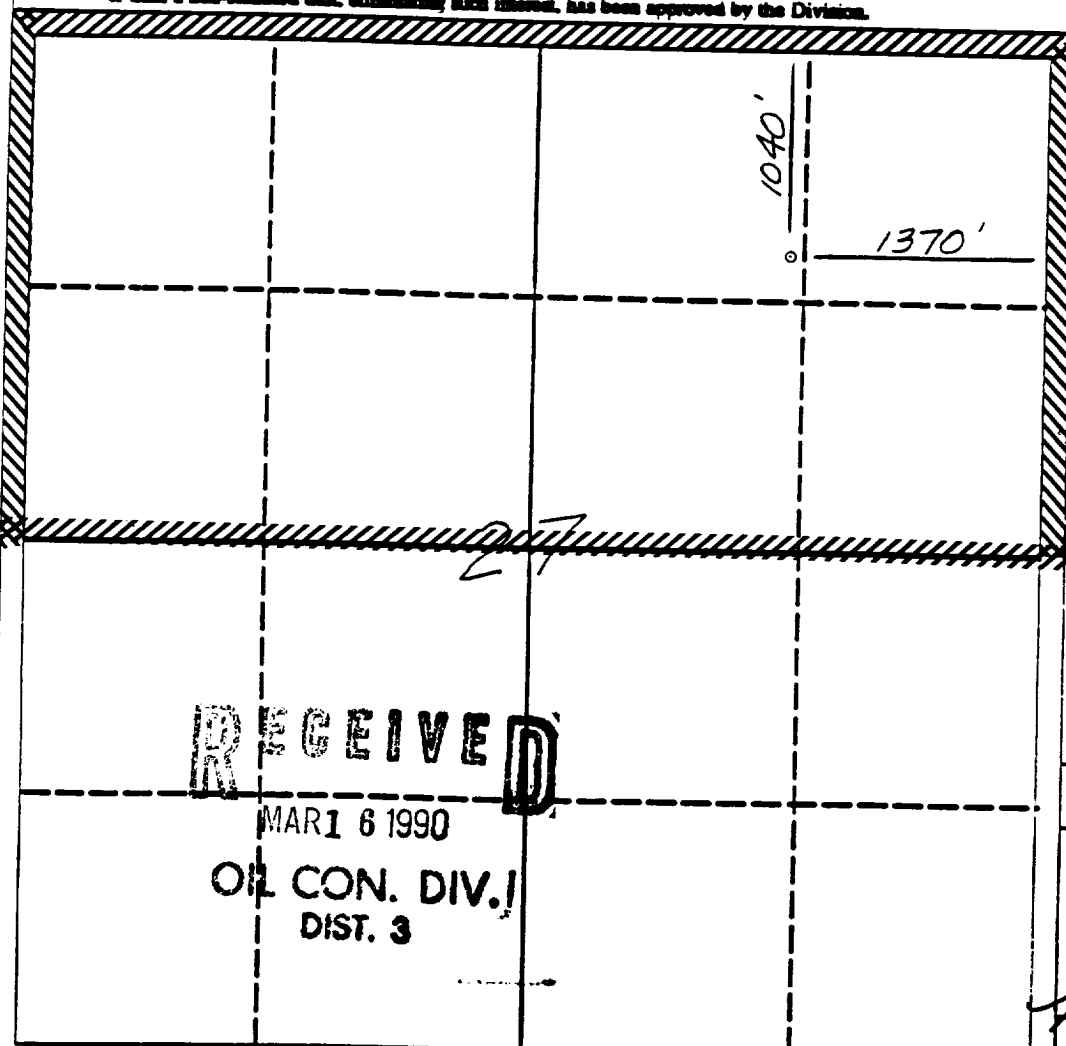
All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Murphy C		Well No. 500
Unit Lease B	Section 27	Township 30 North	Range 11 West	County San Juan	
Actual Footage Location of Well: 1040 feet from the North line and 1370 feet from the East line					
Ground level Elev. 5933'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal	Dedicated Acreage: 317.66 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, 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 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 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.

Date Surveyed _____

Neale C. Edwards

Signature of San Juan Professional Surveyor

REGISTERED LAND SURVEYOR
6857

Certification No. _____

6857

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OIL CON. DIV.
DIST. 3

Well Name: 500 MURPHY C
 Sec. 27 T30N R11W
 BASIN FRUITLAND COAL

1040'N 1370'E
 SAN JUAN NEW MEXICO
 Elevation 5933'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 1000
 Kirtland- 1109
 Fruitland- 2004
 Fruitland Coal Top- 2115
 Fruitland Coal Base- 2314
 Total Depth- 2316
 Pictured Cliffs- 2327

Logging Program: Mud logs from 2004 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2316	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 - 2316	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2316	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 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 358 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. 809 cu ft. of slurry, 100% excess to circulate to surface. Run temperature survey at 8 hours. WOC 12 hours.

Murphy C #500
1040' FNL, 1370' FEL
Sec. 27, T30N, R11W
300' New Construction
Map #1



Applied for
ROW

300'
New
Construction

BLM
ROW

Murphy C #500
BLM ROW
T 30N, R11W
Sec 27: N2SE 2000'
SWSE 500'
Sec 34: NENW 300'