

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
MAIL ROOM

DEC 29 PM 3:01

1a. Type of Work
DRILL

RECEIVED
DEC 11 1995

5. Lease Number
SF-078138
Unit Reporting Number

FARMINGTON, NM

1b. Type of Well
GAS

6. If Indian, All. or Tribe

2. Operator
MERIDIAN OIL
14538

OIL CON. DIV.
DIST. 3

7. Unit Agreement Name

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

8. Farm or Lease Name
7324 Morris
9. Well Number
100

4. Location of Well
1830' FNL, 1490' FWL
Latitude 36° 47.1, Longitude 108° 00.0

10. Field, Pool, Wildcat
72319 Blanco Mesa Verde EXT
11. Sec., Twn, Rge, Mer. (NMPM)
F Sec 28, T-30-N, R-11-W
API # 30-045-29327

14. Distance in Miles from Nearest Town
3 miles to Aztec

12. County
San Juan
13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1490'

16. Acres in Lease

17. Acres Assigned to Well
317.17 W/2

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
75'

19. Proposed Depth
5000'
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

20. Rotary or Cable Tools
Rotary

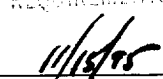
21. Elevations (DF, FT, GR, Etc.)
5894' GR

22. Approx. Date Work will Start
4th quarter 1995

23. Proposed Casing and Cementing Program
See Operations Plan attached

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

24. Authorized by: 
Regional Drilling Engineer


Date

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

Archaeological Report to be submitted

Threatened and Endangered Species Report submitted by Ecosphere Environmental 9-28-95

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED
AS AMENDED

DEC 06 1995

DISTRICT MANAGER

NMOCD

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-1C
Revised February 21, 199
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|-------------------------------|--------------------------------------|----------------------|-------------------------------------|
| 1 APT Number 30-045-29.327 | | 2 Pool Code 72319 | 3 Pool Name Blanco Mesaverde EXT |
| 4 Property Code 7324 | 5 Property Name Morris | | 6 Well Number 100 |
| 7 OGRID No. 14538 | 8 Operator Name Meridian Oil Inc. | | 9 Elevation 5894' |

10 Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|--------------|
| UL or lot no. F | Section 28 | Township 30 N | Range 11 W | Lot Ida | Feet from the 1830 | North/South line North | Feet from the 1490 | East/West line West | County SJ |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|--------------|

11 Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|--------------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres W/317.17 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------------------|--------------------|-----------------------|--------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| 16 | | | | | | 17 OPERATOR CERTIFICATION | |
| <p>RECEIVED DEC 11 1995 OIL CON. DIV. DIST. 3</p> | | | | | | I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief | |
| | | | | | | Signature <i>Peggy Bradfield</i> | |
| | | | | | | Printed Name Peggy Bradfield | |
| | | | | | | Title Regulatory Administrator | |
| | | | | | | Date 11/10/95 | |
| 18 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 belief. | | | | | | | |
| 8-28-95 | | | | | | | |
| Date of Survey | | | | | | | |
| Signature and Seal of Professional Surveyor: | | | | | | | |
| | | | | | | | |
| Certificate Number | | | | | | | |

OPERATIONS PLAN

Well Name: Morris #100
Location: 1830' FNL, 1490' FWL Section 28, T-30-N, R-11-W
 San Juan County, New Mexico
 Latitude 36° 47.1, Longitude 108° 00.0
Formation: Blanco Mesa Verde
Elevation: 5894' GL

| <u>Formation Tops:</u> | <u>Top</u> | <u>Bottom</u> | <u>Contents</u> |
|------------------------|--------------|---------------|-----------------|
| Surface | Nacimiento | 825' | |
| Ojo Alamo | 825' | 913' | aquifer |
| Kirtland | 913' | 1803' | |
| Fruitland | 1803' | 2233' | gas |
| Pictured Cliffs | 2233' | 2955' | gas |
| Chacra | 2955' | 3794' | gas |
| Intermediate TD | 3155' | | |
| Mesa Verde | 3794' | 3951' | gas |
| Menefee | 3951' | 4571' | gas |
| Point Lookout | 4571' | 4848' | gas |
| Mancos | 4848' | | |
| Total Depth | 5000' | | |

Logging Program:

Openhole Wireline Logging -
 Surface to Intermediate TD : DIL/LDT/CNL/NGT/ML/FMS
 Intermediate TD to Total Depth : DIL/LDT/CNL/Temp
 Mud Logs/Coring/DST -
 Mud logs - 1800' to Total Depth
 Cores - 30' Basal Fruitland Coal; 120' Mesa Verde
 DST - none

Mud Program:

| <u>Interval</u> | <u>Type</u> | <u>Weight</u> | <u>Vis.</u> | <u>Fluid Loss</u> |
|-----------------|-------------|---------------|-------------|-------------------|
| 0- 200' | Spud | 8.4-8.9 | 40-50 | no control |
| 200-3155' | Weighted | 8.4-9.1 | 30-60 | no control |
| 3155-5000' | Gas/Mist | n/a | n/a | n/a |

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

| <u>Hole Size</u> | <u>Depth Interval</u> | <u>Csg. Size</u> | <u>Wt.</u> | <u>Grade</u> |
|------------------|-----------------------|------------------|------------|--------------|
| 12 1/4" | 0' - 200' | 9 5/8" | 32.3# | H-40 |
| 8 3/4" | 0' - 3155' | 7" | 20.0# | K-55 |
| 6 1/4" | 3005' - 5000' | 4 1/2" | 10.5# | K-55 |

Tubing Program:

0' - 5000' 2 3/8" 4.7# J-55

