

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM MAIL ROOM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30 SEP 26 AM 11:12

1a. Type of Work DRILL	5. Lease Number NM-03154 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 6819 Ballard ✓ 9. Well Number 503 ✓
4. Location of Well 790' FNL, 1625' FEL Latitude 36° 29.6, Longitude 107° 45.3	10. Field, Pool, Wildcat 71629 Basin Fruitland Coal ✓ 11. Sec., Twn, Rge, Mer. (NMPM) B Sec 14, T-26-N, R-9-W ✓ API # 30-045-29286 ✓
14. Distance in Miles from Nearest Town 6.5 miles to Huerfano Trading Post	12. County ✓ San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	17. Acres Assigned to Well 320 E/2 ✓
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Comp. or Applied for on this Lease 500'	
19. Proposed Depth 2200'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6295' ✓	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: <u>[Signature]</u> for Regional Drilling Engineer	Date <u>9-25-95</u>

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Archaeological Report to be submitted  
Threatened and Endangered Species Report submitted by Ecosphere Environmental dated 9-31-95  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED  
AS AMENDED

OCT 05 1995

DISTRICT MANAGER

NMOCD

District I  
PO Box 1980, Hobbs, NM 88241-1980  
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-10  
Revised February 21, 1990  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

RECEIVED  
CENTRAL MAIL ROOM  
SEP 25 AM 11:12

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29286	Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 6819	Property Name BALLARD	Well Number 503
GRID No. 14538	Operator Name MERIDIAN OIL INC.	Elevation 6295'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	26 N	9 W		790	NORTH	1625	EAST	SJ

11 Bottom Hole Location If Different From Surface

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

Dedicated Acres E/320	Joint or Infill	Consolidation Code	Order No.
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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	5198.82'	790'	1625'	17 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 Administrator Title 9-25-95 Date
5280.00'	RECEIVED OCT 10 1995 OIL CON. DIV. DIST. 3	14	NM-03154	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. 8-7-95 Date of Survey Signature and Seal HEALE C. EDWARDS 6857 Certificate Number
		5212.68'		

OPERATIONS PLAN

**Well Name:** Ballard #503  
**Location:** 790' FNL, 1625' FEL Section 14, T-26-N, R-9-W  
 San Juan County, New Mexico  
 Latitude 36° 29.6, Longitude 107° 45.3  
**Formation:** Basin Fruitland Coal  
**Elevation:** 6295' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1215'	
Ojo Alamo	1215'	1324'	aquifer
Kirtland	1324'	1781'	
Fruitland	1781'	2002'	
Fruitland Coal	1867'	2002'	
Pictured Cliffs	2002'		
Total Depth	2200'		

**Logging Program:** Mud logs: 1700' to TD  
 Dens/Neut/Por; Density/Corr; Micro/GR; Numar MR: 1700-TD  
 Ind/SP/GR: to TD

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2200'	Non-dispersed	8.4-9.5	30-60	no control

**Casing Program:**

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0 - 200'	8 5/8"	24.0#	K-40
7 7/8"	0 - 2200'	4 1/2"	10.5#	K-55

**Tubing Program:**

0 - 2200'	2 3/8"	4.7#	J-55
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**Float Equipment:** 8 5/8" surface casing - saw tooth guide shoe.  
 Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two centralizers run every 3rd joint to the base of the Ojo Alamo @ 1324'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1324'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 8 5/8" x 4 1/2" x 2 3/8" x 11" 2000 psi xmas tree assembly.

**NEW BLM  
ROW**

**EXISTING  
ROW**

**MERIDIAN OIL INC  
BALLARD #503**

**T 26 N, R 9 W**

**500' New Construction**

**Section 14: N2NE**

**1400'**

**All remaining BLM roads are covered by ROW NM 77289.**

**APD MAP #1**

