

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL

1b. Type of Well
GAS

2. Operator
MERIDIAN OIL
14538

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

4. Location of Well
1485' FSL, 1480' FWL
Latitude 36° 30.0, Longitude 107° 46.8

14. Distance in Miles from Nearest Town
6.5 miles to Huerfano Trading Post

15. Distance from Proposed Location to Nearest Property or Lease Line
1480'

16. Acres in Lease

18. Distance from Proposed Location to Nearest Well, Dike, Canal, or Applied for on this Lease
400'

19. Proposed Depth
2200'

21. Elevations (DF, FT, GR, Etc.)
6325'

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: [Signature]
Regional Drilling Engineer

5. Lease Number 5F-078388A
Unit Reporting Number

6. If Indian, All. or Tribe

7. Unit Agreement Name

8. Farm or Lease Name
6819 Ballard

9. Well Number
502

10. Field, Pool, Wildcat
71629 Basin Fruitland Coal

11. Sec., Twn, Rge, Mer. (NMPM)
Sec 10, T-26-N, R-9-W
API # 30-045-29284

12. County San Juan
13. State NM

17. Acres Assigned to Well
320

20. Rotary or Cable Tools
Rotary

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

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

9-25-95
Date

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 25 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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

10 SEP 26 AM 11:16

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29284		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal		
4 Property Code 6819		5 Property Name BALLARD			6 Well Number 502	
7 OGRID No. 14538		8 Operator Name MERIDIAN OIL INC.			9 Elevation 6325'	

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
K	10	26 N	9 W		1485	SOUTH	1480	WEST	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

12 Dedicated Acres S/320	13 Joint or Infill	14 Consolidation Code	15 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		5198.16'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature: <u>Peggy Bradfield</u> Printed Name: <u>Peggy Bradfield</u> Regulatory Administrator Title: <u>9-25-95</u> Date: <u>9-25-95</u>	
5280.66'		RECEIVED OCT 10 1995 OIL CON. DIV. DIST. 3		Signature: <u>[Signature]</u> Printed Name: <u>Peggy Bradfield</u> Regulatory Administrator Title: <u>9-25-95</u> Date: <u>9-25-95</u>	
1480'		SF-078388A		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: <u>8-7-95</u> Signature and Seal: <u>[Signature]</u> Certificate Number: <u>6857</u>	
5204.76'		1485'		6857	

OPERATIONS PLAN

Well Name: Ballard #502
Location: 1485' ESL, 1480' FWL Section 10, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 30.0, Longitude 107° 46.8
Formation: Basin Fruitland Coal
Elevation: 6325' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1195'	
Ojo Alamo	1195'	1297'	aquifer
Kirtland	1297'	1675'	
Fruitland	1675'	2018'	
Fruitland Coal	1860'	2018'	
Pictured Cliffs	2018'		
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 @ 1297'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1297'. 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 #502**

T 26 N, R 9 W

No New Construction

Section 10:	NWSW	200'
	S2SW	1800'
15:	W2NW	2800'
	NWSW	300'

All remaining BLM roads are covered
by ROW's NM 80753 & NM 77289.

APD MAP #1

