# **UNITED STATES** RECORPARTMENT OF THE INTERIOR

	APPLICATION FOR PERMIT TO DRILL, DE	EPEN, OR PLUG BACK
1a.	Type of Work DRILL 070 FARMINGTON, NM	5. Lease Number NM-012737 Unit Reporting Number
1b.	Type of Well GAS JUN 2 8 1990	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 6930 Crandell 9. Well Number 500
4.	Location of Well 1850'FSL, 1495'FWL Latitude 36° 30.1, Longitude 107° 45.7	10. Field, Pool, Wildcat ?/629 Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec 11, T-26-N, R-9-W API # 30-045-29388
14.	Distance in Miles from Nearest Town 6 miles to Huerfano Trading Post	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or Leas	se Line
16.	Acres in Lease	17. Acres Assigned to Well 320 S/2
18. 19.	Distance from Proposed Location to Nearest Well, Drlg, Comp 1100' Proposed Depth 2100' This action is subject to technical a procedural review pursuant to 43 CFR 3165.4.	and so Between or Cable Table
21.	Elevations (DF, FT, GR, Etc.) 6239' GR	DARLINGPEPERRHOWSKUTHORIZEDAR SUBJECT TO COMPLIANCE WIT
23.	Proposed Casing and Cementing Program See Operations Plan attached	ATTACHED "GENERAL REQUIREMENTS
24.	Authorized by: May Mad held Regulatory/Compliance Administr	6-11-96 Date
PERM	IT NO APPROVA	AL DATE
APPR	OVED BY TITLE	DATE

Archaeological Report to be submitted by Arboles Contract Archaeology Threatened and Endangered Species Report submitted by Ecosphere dated June 1996

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

OK (4)

NMOOD

APPROVED
AS AMENDED
JUN 24. 1996
DISTRICT MANAGER

District I PO Box 1980, Hubbs, NM 88241-1980 District II PO Drawer DD, Artesia. NM 88211-0719 District III 1000 Rio Bruzos Rd., Aztec. NM 87410

District IV

# State of New Mexico

Form C-102 Revised February 21, 1994 Instructions on back

RECEIVED

OIL CONSERVATION DIVISION BLM Submit to Appropriate District Office

PO Box 2088 Santa Fe, NM 87504-2098 JUN 20 PM 2: 10 State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT PO Buz 2088, Santa Fe. NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number <sup>2</sup> Pool Code Basin Fruitland Coal 30-045-29388 71629 Well Number Property Name \* Property Code 500 Crandell 6030 "Eleveuse Operator Name OGRID No. 6239' MERIDIAN OIL INC. 14538 10 Surface Location East/West time Feet from the North/South line Feet from the County Section Township Range Lot Ida UL or lot no. 1495 West S.J. 1850 South - K 11 26 N 9 W 11 Bottom Hole Location If Different From Surface Fast/West tipe Feet from the Feet from the North/South line County UL or lot so. Lot Ida Section Township 13 Joint or Infill | 14 Consolidation Code | 15 Order No. 11 Dedicated Acres 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 519Z ZZ 17 OPERATOR CERTIFICATION 16 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief trahuel Peggy Bradfield JUN 2 6 Printed Name Regulatory Administrator OIL CON. DIV. DIST. 3 Date 18SURVEYOR CERTIFICATION was plotted from field notes of actual surveys made by me NM NMOIZ737 or under my supervision, and that the same is true and 1495' correct to the best of my belief.

5198.18Z

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### OPERATIONS PLAN

Well Name: Crandell #500

Location: 1850'FSL, 1495'FWL Section 11, T-26-N, R-9-W

San Juan County, New Mexico

Latitude 36° 30.1, Longitude 107° 45.7

Formation: Basin Fruitland Coal

Elevation: 6239'GL

Formation:	Тор	Bottom	Contents
Surface Ojo Alamo Kirtland Fruitland Fruitland Coal Pictured Cliffs	Nacimiento 1135' 1250' 1737' 1825' 1952'	1135' 1250' 1737' 1952' 1939'	aquifer
Total Depth	2100'		

Logging Program: Mud logs: 1700' to TD

Hi Res Ind, DNL, Micro/GR: 1700-TD

#### Mud Program:

Interval	Type	Weight	Vis.	Flui	id Loss
0- 120'	Spud	8.4-8.9	40-50	no	control
120-2100'	LSND	8.4-9.0	40-60	no	control

### Casing Program:

<u>Hole Size</u>	Depth Interval	Csg.Size	Wt.	Grade
12 1/4" 7 7/8"	0 - 120' 0 - 2100'	8 5/8" 4 1/2"	24.0# 10.5#	
Tubing Program:	0 - 2100'	2 3/8"	4.7#	J-55

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 @ 1250'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1250'. 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 screw on type independent wellhead.

