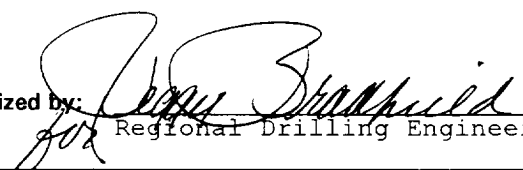


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

OCT 23 1995 PM 1:21

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 504 ✓	
4. Location of Well 1450' FNL, 1620' FEL Latitude 36° 29.5, Longitude 107° 46.3	10. Field, Pool, Wildcat 71619 Basin Fruitland Coal ✓ 11. Sec., Twn, Rge, Mer. (NMPM) G Sec 15, T-26-N, R-9-W API # 30-045-29297 ✓	
14. Distance in Miles from Nearest Town 6 miles to Huerfano Trading Post	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1450'	17. Acres Assigned to Well 320 E/2	
16. Acres in Lease	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 600'	22. Approx. Date Work will Start 4th quarter 1995	
19. Proposed Depth 2150'		
21. Elevations (DF, FT, GR, Etc.) 6292' GR ✓		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  for Regional Drilling Engineer	9-26-95- Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

Archaeological Report to be submitted
Threatened and Endangered Species Report to be submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED
AS AMENDED

OCT 26 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, 1991
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29297		Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 6819	Property Name Ballard		Well Number 504
GRID No. 14538	Operator Name Meridian Oil Inc.		Elevation 6292'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	15	26 N	9 W		1450	North	1620	East	S.J.

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 E/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 <div>RECEIVED OCT 30 1995 OIL CON. DIV. DIST. 3</div>	5204.76'	15 NM-03154	5280.66'	5203.44'
	1450'			
	1620'			
17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <div>Peggy Bradfield Signature Peggy Bradfield Printed Name Regulatory Administrator Title 9-25-95 Date</div>				
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. 8-31-95 Date of Survey Signature and Seal of Surveyor <div>NEEL C. EDWARDS 8857 8857 Certificate Number</div>				

September 28, 1995

OPERATIONS PLAN

Well Name: Ballard #504
Location: 1450' FNL, 1620' FEL Section 15, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 29.5, Longitude 107° 46.3
Formation: Basin Fruitland Coal
Elevation: 6292' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1143'	
Ojo Alamo	1143'	1266'	aquifer
Kirtland	1266'	1706'	
Fruitland	1706'	1970'	
Fruitland Coal	1841'	1970'	
Pictured Cliffs	1970'		
Total Depth	2150'		

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
200-2150'	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#	H-40 K-55
7 7/8"	0 - 2150'	4 1/2"	10.5#	K-55

Tubing Program:

0 - 2150'	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 @ 1266'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1266'. 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.

