

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-04226 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 7309 McManus 9. Well Number 2R
4. Location of Well 1480' ENL, 790' FWL Latitude 36° 26.0', Longitude 107° 41.5	10. Field, Pool, Wildcat 71439 Ballard Pic. Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) 1- Sec 4, T-25-N, R-8-W API # 30-045-29340
14. Distance in Miles from Nearest Town 10 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 161.51
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1800'	
19. Proposed Depth 2450'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6452' GR	22. Approx. Date Work will Start First quarter 1996
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>[Signature]</i> for Regional Drilling Engineer	1-20-96 Date

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

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

Archaeological Report submitted by Arboles Contract Archaeology Technical Report # 808 dated 9/20/95
Threatened and Endangered Species Report submitted by Ecosphere Environmental
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NIMOC

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-102
Revised February 21, 1992
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 30-045-29340	Pool Code 71439	Pool Name Ballard Pictured Cliffs
Property Code 7309	Property Name McManus	Well Number 2R
OGRID No. 14538	Operator Name Meridian Oil Inc.	Elevation 6452'

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
E	4	25 N	8 W		1480	North	790	West	S.J.

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 161.51	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

<div>16 1349.04' 4 1480' 790' 1322.64' 2639.34' 5224.56'</div>	<div>5511.00' 3 NM-04226 4 RECEIVED JAN 30 1996 OIL CON. DIV. DIST. 3</div>	<div>2 1 1313.40' 1294.26' 2587.86'</div>	<div>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 12-27-95 Date</div> <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 Title of Professional Surveyor NEALE C. EDWARDS REGISTERED LAND SURVEYOR 8857 Certificate Number</div>
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OPERATIONS PLAN

Well Name: McManus #2R
Location: 1480' FNL, 790' FWL Section 4, T-25-N, R-8-W
 San Juan County, New Mexico
 Latitude 36° 26.0', Longitude 107° 41.5'
Formation: Ballard Pictured Cliffs
Elevation: 6452' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1284'	
Ojo Alamo	1284'	1444'	aquifer
Kirtland	1444'	2863'	
Fruitland	1804'	2080'	
Rowley Coal	1997'	2024'	gas
Middle Coal	2024'	2074'	gas
Basal Coal	2074'	2080'	gas
Pictured Cliffs	2080'		gas
Total Depth	2450'		

Logging Program: Mud logs from 1700' to Total Depth.
 CNL/hi res LDT/ML/GR/CAL to Total Depth.

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2450'	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-55
7 7/8"	0 - 2450'	4 1/2"	10.5#	K-55

Tubing Program: - 2 3/8", 4.7#, J-55 EUE 8rd tbg landed @ 2450'

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. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 1444'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1444'. 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.

