

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 SF-080844
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 Rhodes C 13485
4. Location of Well 805' FNL, 1055' FEL Latitude 36° 38' 18", Longitude 108° 02' 21"	9. Well Number 100
10. Field, Pool, Wildcat 716.29 Basin Fruitland Coal/ 79680 W. Kutz Pic. Cliffs	11. Sec., Twn, Rge, Mer. Sec. 30, T-28-N, R-11-W NMPM
14. Distance in Miles from Nearest Town 6 miles from Bloomfield, NM	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 805'	13. State NM
16. Acres in Lease 191.24	17. Acres Assigned to Well 320/160 E/2 NE/4
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1200'	19. Proposed Depth 2040'
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 5892' GL
22. Approx. Date Work will Start 2nd quarter 1993	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <i>[Signature]</i> Regional Drilling Engineer	Date: 3-25-93

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

Archaeological Report to be submitted

Threatened and Endangered Species Report submitted 02-21-93

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

APPROVED
AS AMENDED

JUN 17 1993

DISTRICT MANAGER

NMOOD

Schedule to Assessor
District Office
State Taxes - 4 copies
Fee Taxes - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

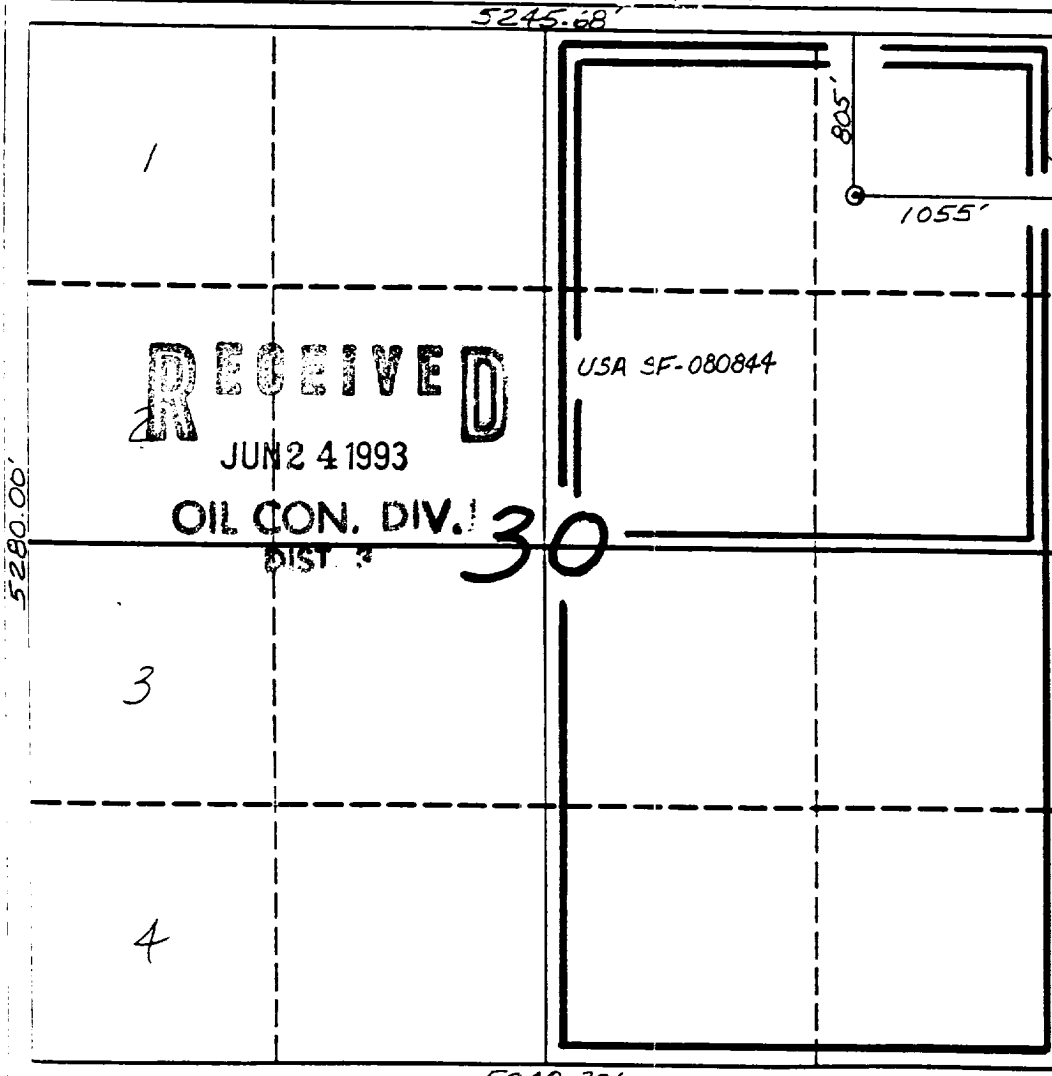
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lessee Rhodes C		Well No. 100	
Unit Letter A	Section 30	Township 28 North	Range 11 West	County San Juan	
Acres Footage Location of Well: 805 feet from the North line and 1055 feet from the East line					
Ground level Elev. 5892'	Producing Formation Fruitland Coal/Pic.Cliffs	Pool Basin/West Kutz	Dedicated Acreage: 320/160 Acres		
1. Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? ☐ Yes ☐ No If answer is "yes" type of consolidation _____ If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.					



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Bradford
Signature

Peggy Bradford

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

Date

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 knowledge and belief.

1-12-93

C. EDWARDS
Date Surveyed

C. EDWARDS
Signature of Surveyor

Professional Surveyor

6857

License No.

6857

March 25, 1993

OPERATIONS PLAN

Well Name: Rhodes C #100
Location: 805'FNL, 1055'FEL Section 30, T-28-N, R-11-W
 San Juan County, New Mexico
 Latitude 36° 38' 18", Longitude 108° 02' 21"
Formation: Basin Fruitland Coal/West Kutz Pictured Cliffs
Elevation: 5892'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	644'	
Ojo Alamo	644'	703'	aquifer
Kirtland	703'	1502'	
Fruitland	1502'	1721'	
Fruitland Coal Top	1527'	1716'	gas & salt water
Pictured Cliffs	1721'		gas & salt water
Total Depth	2040'		

Logging Program: Mud logs from 1450' to Total Depth.
 DIL, CNL-LDT, ML, NGT, HR Density -surface to TD.

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2040'	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 - 2040'	4 1/2"	10.5#	K-55

Tubing Program:

0 - 2040'	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. Six centralizers run every 3rd joint to the base of the Ojo Alamo @ 703'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 703'. 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" 3000 psi xmas tree assembly.

