

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED JUN 18 1993 OIL CON. DIV. DIST. 3	5. Lease Number SF-080844
1b. Type of Well GAS		6. If Indian, All. or Tribe Navajo
2. Operator MERIDIAN OIL 14528	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 13450	9. Well Number 101
4. Location of Well 100' FSL, 2270' FWL Latitude 36° 37' 34", Longitude 108° 02' 45"	10. Field, Pool, Wildcat 71629 Basin Fruitland Coal 79680 W. Kutz Pic. Cliffs	11. Sec./Twn, Rge, Mer. Sec 30, T28N, R11W NMPM
14. Distance in Miles from Nearest Town 7 miles from Bloomfield, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 100'	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	
16. Acres in Lease 3166.00	17. Acres Assigned to Well 316/158.04 W/2 SW/4	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 150'		
19. Proposed Depth 2100'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6001'	22. Approx. Date Work will Start 2nd quarter 1993	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Regional Drilling Engineer	2-19-93 Date	

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

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

APPROVED
AS AMENDED

JUN 16 1993

DISTRICT MANAGER

Submit to Assessor
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised 1-1-89

RECEIVED
FEB 25 PM 3:36
OTD FARMINGTON, NM

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

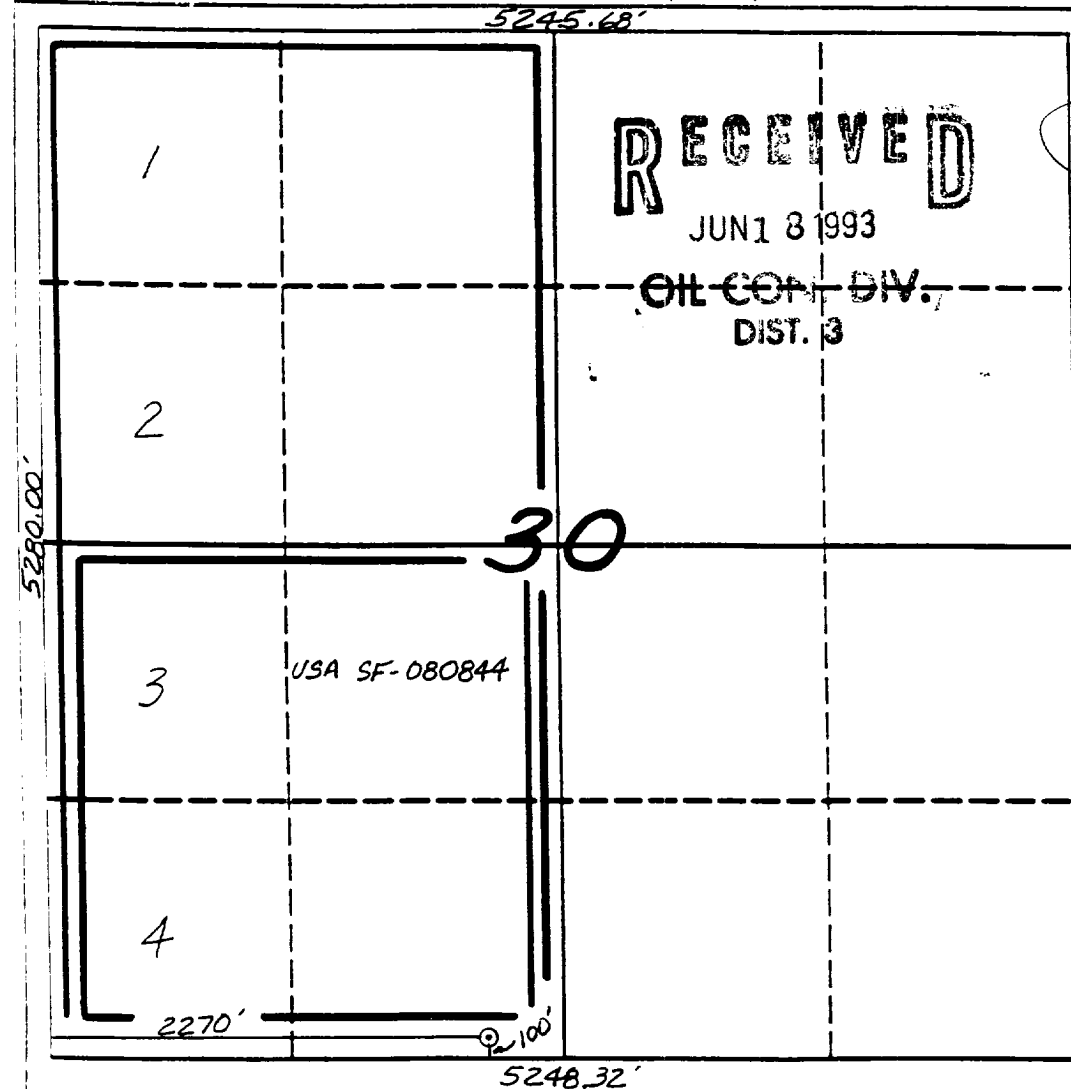
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Bonito 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.		Lease Rhodes' C		Well No. 101	
Unit Letter N	Section 30	Township 28 North	Range 11 West	County San Juan	
Actual Footage Location of Well: 100 feet from the South line and 2270 feet from the West line					
Ground level Elev. 6001'	Producing Formation Fruitland Coal/Pic. Cliffs		Pool Basin/West Kutz	Dedicated Acreage: 316/158.04 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 Bradfield
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

2-15-93

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

Date Surveyed

C. Edwards
Name

Professional Surveyor

9857

Commission No.

6857

OPERATIONS PLAN

Well Name: Rhodes C #101
Location: 100' FSL, 2270' FWL Section 30, T-28-N, R-11-W
 San Juan County, New Mexico
 Latitude 36° 37' 34", Longitude 108° 02' 45"
Formation: Basin Fruitland Coal/West Kutz Pictured Cliffs
Elevation: 6001' GL

Formation Tops:	Top	Bottom	Contents
Surface	Nacimiento	667'	
Ojo Alamo	667'	754'	aquifer
Kirtland	754'	1522'	
Fruitland	1522'	1624'	
Fruitland Coal Top	1624'	1837'	salt water & gas
Pictured Cliffs	1846'	2100'	salt water & gas
Total Depth	2100'		

Logging Program: NGT, HR Dens, Mud logs from 1450' to Total Depth.
 DIL surface to Total Depth
 CNL-LDT 600' to Total Depth

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2100'	Non-dispersed	8.4-9.1	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' - 2100'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 2100'	2 3/8"	4.7#	J-55
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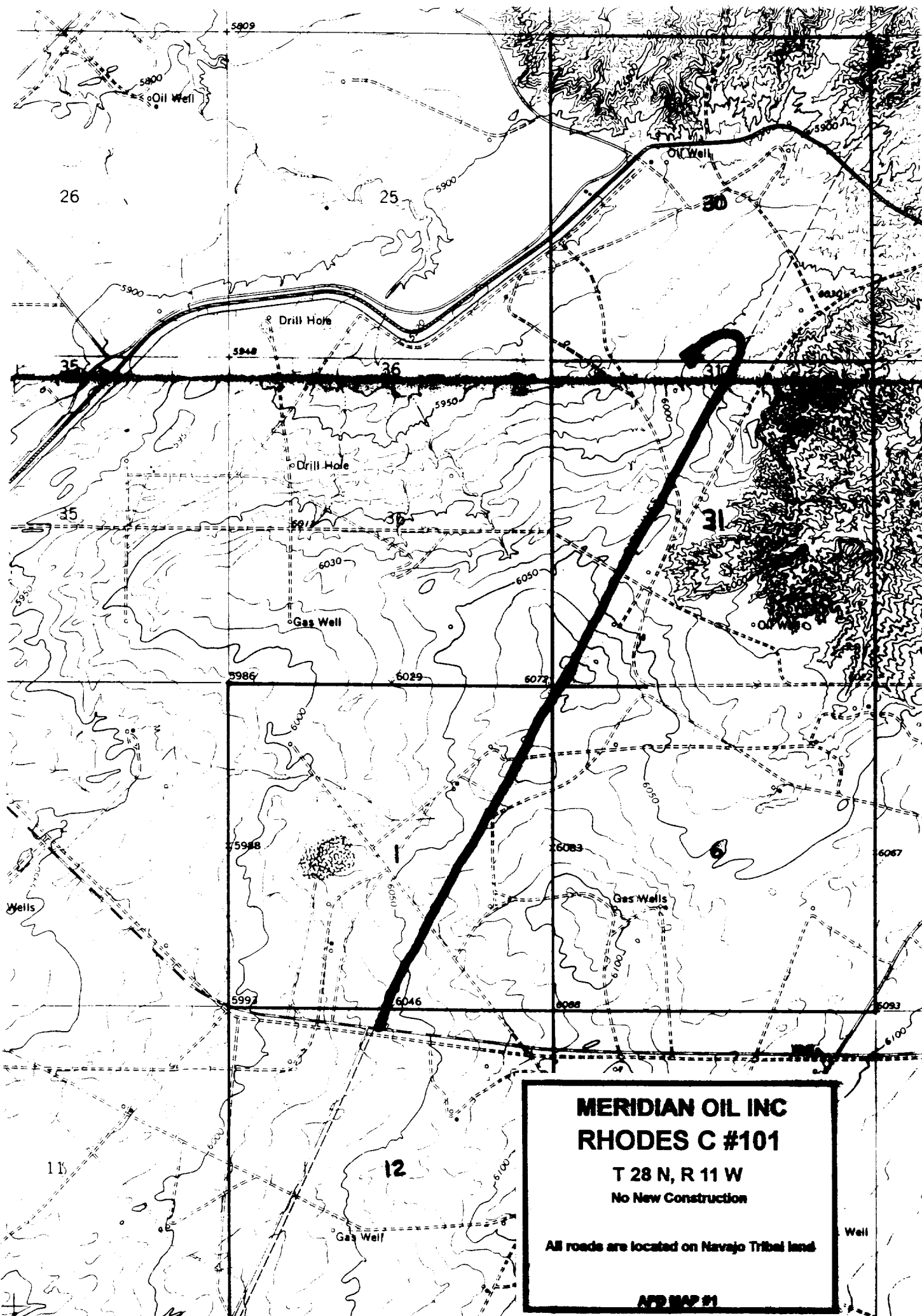
Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.
 Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three (3) centralizers run every other joint above shoe. Two (2) turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 754'. 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.

Cementing:

8 5/8" surface casing - cement with 210 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (250 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi/30 minutes.



MERIDIAN OIL INC
RHODES C #101
T 28 N, R 11 W
No New Construction

All roads are located on Navajo Tribal land

APR 1997 #1