

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

1b. Type of Well

GAS

RECEIVED

MAR 26 1993

30-045-28744 ✓

5. Lease Number

SF-080844

6. If Indian, All. or Tribe

2. Operator

MERIDIAN OIL

OIL CON. DIV,
DIST. 3

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM. 87499

(505) 326-9700

8. Farm or Lease Name

13485 Rhodes C ✓

9. Well Number

102 ✓

4. Location of Well

790' FNL, 1950' FEL

Latitude 36° 37' 25", Longitude 108° 02' 32"

10. Field, Pool, Wildcat

71629 Basin Ft Coal ✓

790' W. Kutz Pic. Cliffs

11. Sec., Twn, Rge, Mer.

19 Sec 31, 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

790'

16. Acres in Lease

17. Acres Assigned to Well

317.85/160 N/2 NE/4

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease

450'

19. Proposed Depth

2150'

20. Rotary or Cable Tools

Rotary

21. Elevations (DF, FT, GR, Etc.)

6043' GR

22. Approx. Date Work will Start

2nd quarter 1993

23. Proposed Casing and Cementing Program

See Operations Plan attached

24. Authorized by:

ER Bauer for JWC
Regional Drilling Engineer

Date

2/24/93

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

Archaeological Report previously done by NAPI

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

APPROVED
AS AMENDED

MAR 24 1993

DISTRICT MANAGER

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

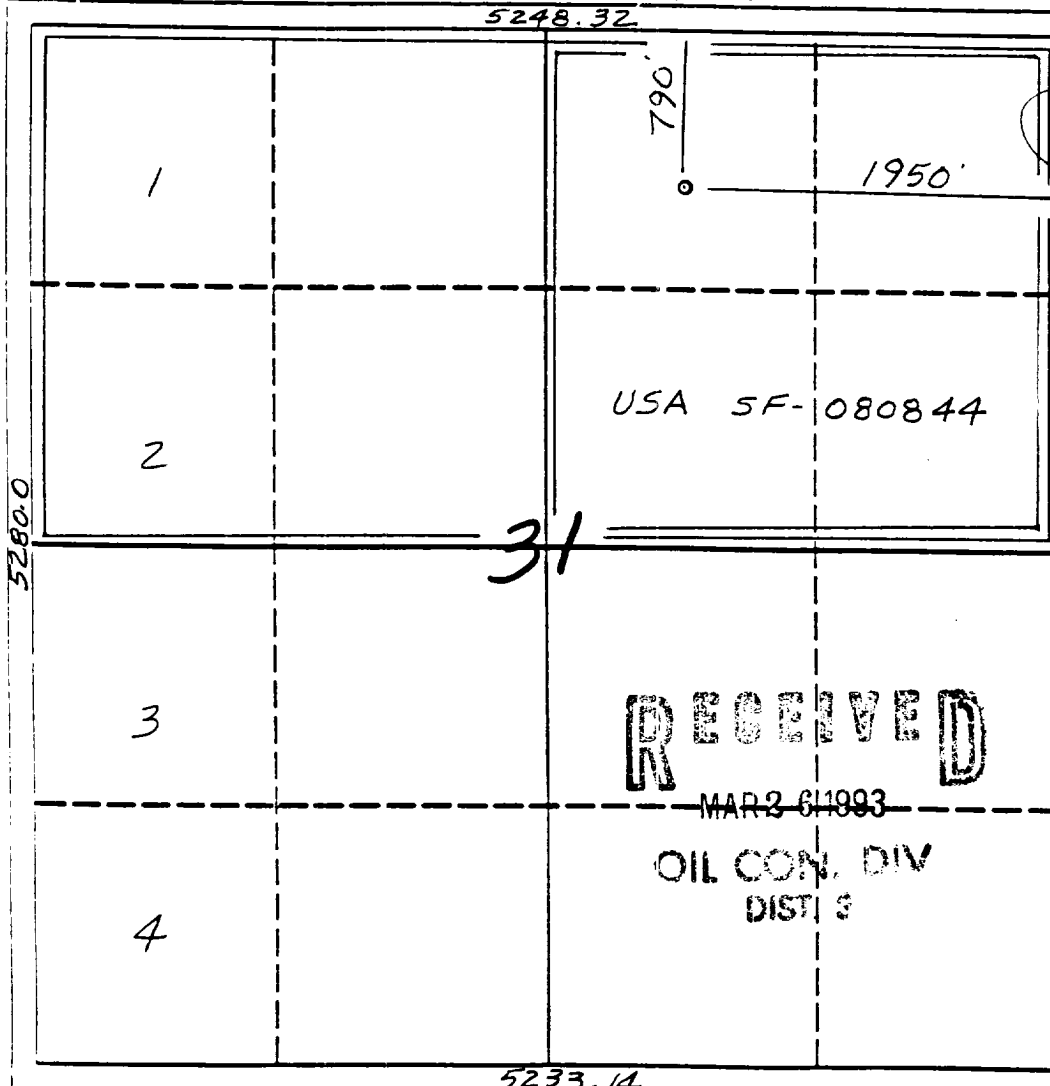
DISTRICT II
P.O. Drawer DD, Arama, NM 88210

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.		Lease Rhodes C		Well No. 102
Unit Letter B	Section 31	Township 28 North	Range 11 West	County San Juan
Actual Footage Location of Well: 790 feet from the North line and 1950 feet from the East line				
Ground level Elev. 6043'	Producing Formation Bruitland Coal/Pic.Cliffs	Pool Basin/W. Kutz	Dedicated Acreage 317.85/160 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-consolidated 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 Representative
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.

1-30-93
Date Surveyed

C. EDWARDS
Name

Professional Surveyor

6857

[Signature]

Certification No.

6857

OPERATIONS PLAN

Well Name: Rhodes C #102
Location: 790'FNL, 1950'FEL Section 31, T-28-N, R-11-W
 San Juan County, New Mexico
 Latitude 36° 37' 25", Longitude 108° 02' 32"
Formation: Basin Fruitland Coal/West Kutz Pictured Cliffs
Elevation: 6043'GL

Formation Tops:	Top	Bottom	Contents
Surface	Nacimiento	726'	
Ojo Alamo	726'	797'	aquifer
Kirtland	797'	1646'	
Fruitland	1646'	1885'	
Fruitland Coal Top	1725'	1869'	gas
Pictured Cliffs	1885'	2150'	gas
Total Depth	2150'		

Logging Program: Surface to Total Depth: DIL
 1600-Total Depth: HR Dens, NGT
 1600-Total Depth: Mud logs
 650-Total Depth: CNL-LDT

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2150'	Non-dispersed	8.4-9.1	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' - 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 (3) centralizers run every other joint above shoe, five (5) centralizers every third joint to the base of the Ojo Alamo. 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.

