


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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04 JUN -6 AM 9:45

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-039-25438 ✓ 070 FARMINGTON, NM

| | | |
|--|---|-----------------|
| 1a. Type of Work DRILL | 5. Lease Number SF-078888 | |
| 1b. Type of Well GAS | 6. If Indian, All. or Tribe | |
| 2. Operator MERIDIAN OIL 14538 | 7. Unit Agreement Name Rosa Unit ✓ | |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 8. Farm or Lease Name 7440 Rosa Unit 9. Well Number 341 ✓ | |
| 4. Location of Well 2315' FSL, 2335' FWL Latitude 36° 54' 48", Longitude 107° 13' 28" | 10. Field, Pool, Wildcat 71629 Basin Fruitland Coal. 11. Sec., Twn, Rge, Mer. K Sec 11, T-31-N, R-4-W ✓ NMPM | |
| 14. Distance in Miles from Nearest Town 18 miles to Gobernador | 12. County Rio Arriba | 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 2315' | 17. Acres Assigned to Well 320 W/2 ✓ | |
| 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 3000' | 20. Rotary or Cable Tools Rotary | |
| 19. Proposed Depth 4130' | 22. Approx. Date Work will Start 3rd quarter 1994 | |
| 21. Elevations (DF, FT, GR, Etc.) 7002' GR ✓ | 23. Proposed Casing and Cementing Program See Operations Plan subject to Federal and procedural review pursuant to 43 CFR 3105.3 and appeal pursuant to 43 CFR 3105.4. | |
| 24. Authorized by:  Regional Drilling Engineer | DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" 6/1/94 Date | |

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

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

C-104 FARMINGTON
E

NMOCD

APPROVED
AS AMENDED
JUL 12 1994
DISTRICT MANAGER

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

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Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

070 FARMINGTON, NM AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|---|--|
| ¹ API Number 30-039-25438 | ² Pool Code 71629 | ³ Pool Name Basin Fruitland Coal |
| ⁴ Property Code 7440 | ⁵ Property Name Rosa Unit | ⁶ Well Number 341 |
| ⁷ OGRID No. 14538 | ⁸ Operator Name Meridian Oil Inc. | ⁹ Elevation 7002' |

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 |
| K | 11 | 31 N | 4 W | | 2315 | South | 2335 | West | Rio Arriba |

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 |
| | | | | | | | | | |

| | | | |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 320 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|

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 | 5277.36' | | 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Peggy Bradfield</u> Printed Name <u>Peggy Bradfield</u> Regulatory Representative Title <u>5-29-94</u> Date |
| SF-078888 | | RECEIVED JUL 15 1994 OIL CONSERVATION DIVISION DIST. 3 | |
| 2335' | | | 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. Date of Survey <u>5-10-94</u> Signature <u>NEALE C. EDWARDS</u> Certificate Number <u>8857</u> |
| 2315' | | | |

5280.00'

March 23, 1994

OPERATIONS PLAN

Well Name: Rosa Unit #341
Location: 2315'FSL, 2335'FWL, Section 11, T-31-N, R-4-W
 Rio Arriba County, New Mexico
 Latitude 36° 27' 20", Longitude 107° 45' 45"
Formation: Basin Fruitland Coal
Elevation: 7002'GL

| Formation: | Top | Bottom | Contents |
|-----------------|----------|--------|----------|
| Surface | San Jose | 3345' | |
| Ojo Alamo | 3345' | 3464' | aquifer |
| Kirtland | 3464' | 3758' | |
| Fruitland | 3758' | 3948' | gas |
| Fruitland Coal | 3867' | 3945' | gas |
| Pictured Cliffs | 3948' | | |
| Total Depth | 4130' | | |

Logging Program: Dens/Neut/GL; Dens/GR; Micro/GR: 3000-TD
 Ind/GR/SP: surface-TD

Mud Program:

| Interval | Type | Weight | Vis. | Fluid Loss |
|-----------|---------------|---------|-------|------------|
| 0- 200' | Spud | 8.4-8.9 | 40-50 | no control |
| 200-4130' | 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 - 4130' | 4 1/2" | 10.5# | K-55 |

Tubing Program:

| | | | |
|-----------|--------|------|------|
| 0 - 4130' | 2 3/8" | 4.7# | J-55 |
|-----------|--------|------|------|

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 @ 3464'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 3464'. 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.

