

90-039-24596

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 2. OPERATOR MERIDIAN OIL INC. 3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499 4. LOCATION OF WELL 955'S 725'W N15'152 & 790'W 14. DISTANCE IN MILES FROM NEAREST TOWN 25 MILES FROM GOVERNADOR 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 725' 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 180' COMPL., OR APPLIED FOR ON THIS LEASE. 21. ELEVATIONS (DF, FT, GR, ETC.) 6775' GL 23. PROPOSED CASING AND CEMENTING PROGRAM	5. LEASE NUMBER SF-078770 6. IF INDIAN, ALL. OR TRIBE NAME 7. UNIT AGREEMENT NAME ROSA UNIT 8. FARM OR LEASE NAME ROSA UNIT 9. WELL NO. 257 10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. M SEC. 27 T31N R05W NMPM 12. COUNTY 13. STATE RIO ARRIBA NM 16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 320.00 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 3665' ROTARY 22. APPROX. DATE WORK WILL START 24. AUTHORIZED BY: <i>Leann Beaudry</i> REGULATORY AFFAIRS
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*SEE OPERATIONS PLAN

RECEIVED

DEC 15 1989

OIL CON. DIST.
DIST. 3

10-3-89
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

**APPROVED
AS AMENDED**

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

DEC 12 1989
James Kellum
AREA MANAGER

Well Name: 257 ROSA UNIT
Sec. 27 T31N R05W
BASIN FRUITLAND COAL

955'S 725'W
RIO ARRIBA NEW MEXICO
Elevation 6775'GL

Formation tops: Surface- SAN JOSE
Ojo Alamo- 2900
Kirtland- 3080
Fruitland- 3460
Fruitland Coal Top- 3520
Fruitland Coal Base- 3648
Intermediate TD- 3500
Total Depth- 3665
Pictured Cliffs- 3679

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3500	Non-dispersed	8.4 - 9.1	30-60	no control
	3500 - 3665	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3500	7"	20.0#	K-55
	6 1/4"	3450 - 3665	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3665	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe.

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 32 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 180 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

RECEIVED
DEC 1 5 1989
OIL CON. DIV.
DIST. C

Submit to Appropriate
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, Artesia, NM 88210

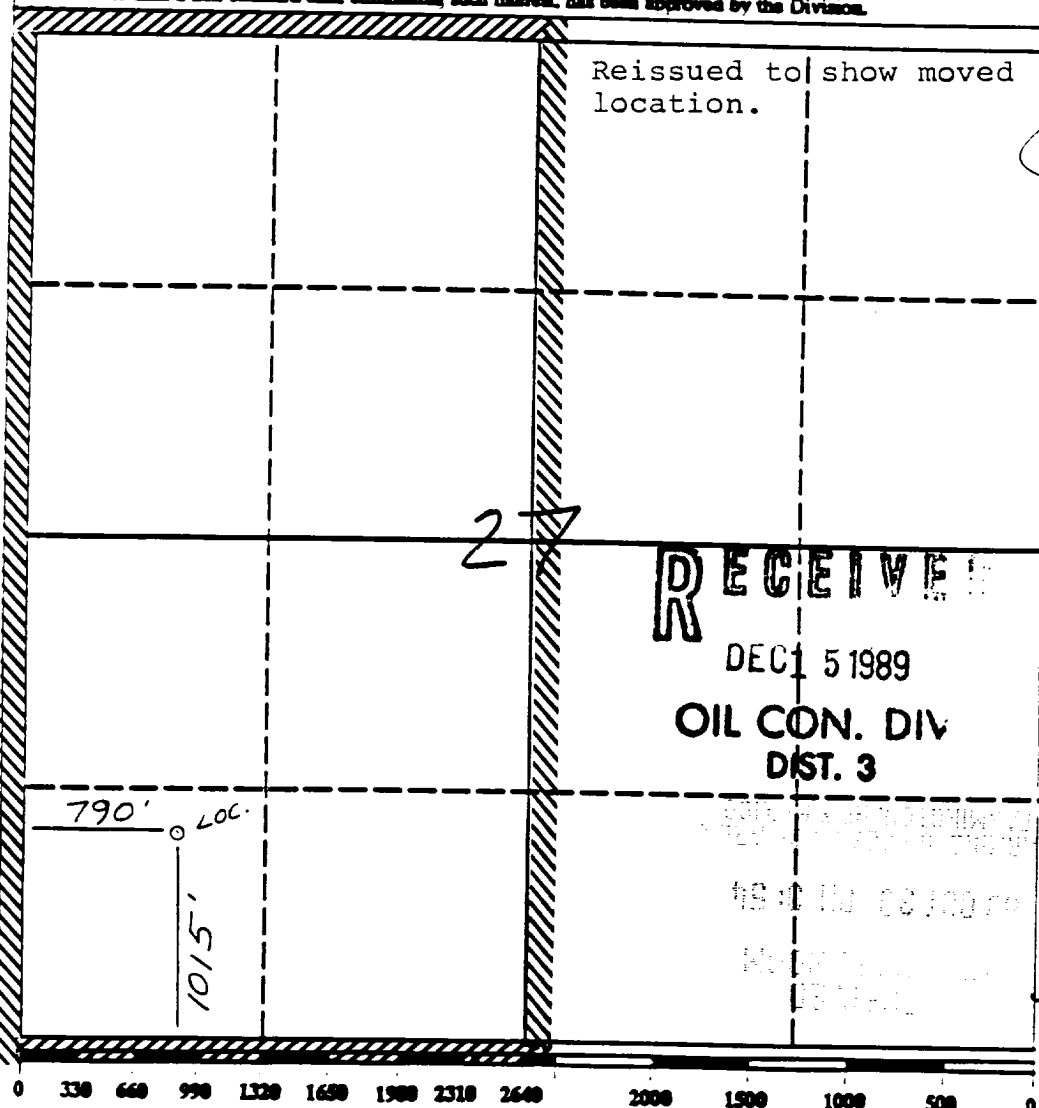
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Rosa Unit (SF-078770)		Well No. 257
Unit Letter M	Section 27	Township 31 North	Range 5 West	County Rio Arriba
Actual Footage Location of Well: 1015 feet from the South line and 790 feet from the West line				
Ground level Elev. 6772'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencils or machine marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 unitization
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 best of my knowledge and belief.

Signature
Peggy Bradfield

Printed Name
Regulatory Affairs

Position
Meridian Oil Inc.

Company
10-30-89

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, 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. 10-16-89 EDWARD

Date Surveyed
Neale C. Edwards

Signature of State Professional Surveyor
857

Certificate No.
6857

[illegible]