

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 18 1989

OIL CON. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078773
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME ROSA UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME ROSA UNIT
4. LOCATION OF WELL 1165'S 265'W 1300' 90S	9. WELL NO. 259
14. DISTANCE IN MILES FROM NEAREST TOWN 20 MILES FROM GOBERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 865' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. M SEC. 33 T31N R05W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 1920 320.00	12. COUNTY 13. STATE RIO ARRIBA NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 500' COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6508' GL 6520	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <u>J. D. Tolan</u> REGULATORY AFFAIRS	

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

DRILLING OPERATIONS UNAUTHORIZED ARE
PROHIBITED BY FEDERAL LAW AND VIOLATION
OF FEDERAL REQUIREMENTS.

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OIL CON. DIV.
DIST. 3

10/13/89
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.

NMOCD

DEC 14 1989
AREA MANAGER

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-782
Revised 4-1-88

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 Arriba 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		Well No. 259
Use Lease M	Section 33	Township 31 North	Range 5 West	County Rio Arriba
Actual Forgive Location of Well: 1300 feet from the South line and 905 feet from the West line				
Ground level elev. 6520'	Producing formation Fruitland Coal	Pool Basin	Dedicated Acreage 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or section marker 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 names of all owners been consolidated by commutation, 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 allowance will be assigned to the well until all interests have been consolidated (by commutation, unitization, force-pooling, or otherwise) or until a non-standard unit, otherwise such interest, has been approved by the Division.

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OIL CON. DIV.

DIST 3

OPERATOR CERTIFICATION

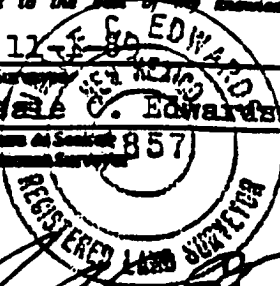
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
J.D. Falconi
Printed Name
J.D. Falconi
Position
Engineer
Company
Meridian Oil Inc.
Date
11/14/87

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.

Date Surveyed
11-14-87
Signature of Surveyor
Noble C. Edwards
Printed Name
Noble C. Edwards
Professional Surveyor
857



License No.

6857

* REVISED 1-3-90 TO SHOW
CORRECT ACREAGE ON SEC. 23

Well Name: 259 ROSA UNIT
Sec. 33 T31N R05W
BASIN FRUITLAND COAL

1165'S 865'W
RIO ARRIBA NEW MEXICO
Elevation 6508'GL

Formation tops: Surface- SAN JOSE
Ojo Alamo- 2668
Kirtland- 2818
Fruitland- 3233
Fruitland Coal Top- 3246
Fruitland Coal Base- 3382
Intermediate TD- 3226
Total Depth- 3385
Pictured Cliffs- 3388

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 - 3226	Non-dispersed	8.4 - 9.1	30-60	no control
	3226 - 3385	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 - 3226	7"	20.0#	K-55
	6 1/4"	3176 - 3385	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3385	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 26 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. 168 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.

MAP # 1

ROSA UNIT # 259

SW 33 - 31 - 05

ROW = WITHIN UNIT BOUNDARIES.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

