

30-039-24982

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
OCT 25 1990
OIL CON. DIV.
DIST. 3

1a. TYPE OF WORK
DRILL

1b. TYPE OF WELL
GAS

2. OPERATOR
MERIDIAN OIL INC.
14538

3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499

4. LOCATION OF WELL
2510' FNL 890' FEL

5. LEASE NUMBER
SF-078769

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME
ROSA UNIT

8. FARM OR LEASE NAME
ROSA UNIT 7440

9. WELL NO.
262

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL 71629

11. SEC. T. R. M OR BLK.
H SEC. 21 T31N R05W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
16 MI FROM NAVAJO DAM PO

12. COUNTY
RIO ARRIBA

13. STATE
NM

15. DISTANCE FROM
PROPOSED LOCATION 890'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE
2560

17. ACRES ASSIGNED TO WELL
320.00

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 3400'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH
3429'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6560' GL

22. APPROX. DATE WORK WILL START

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

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

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: John Caldwell
REG. DRILLING ENGR.

8/31/90
DATE

APPROVED
AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

NMOCD

OK

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

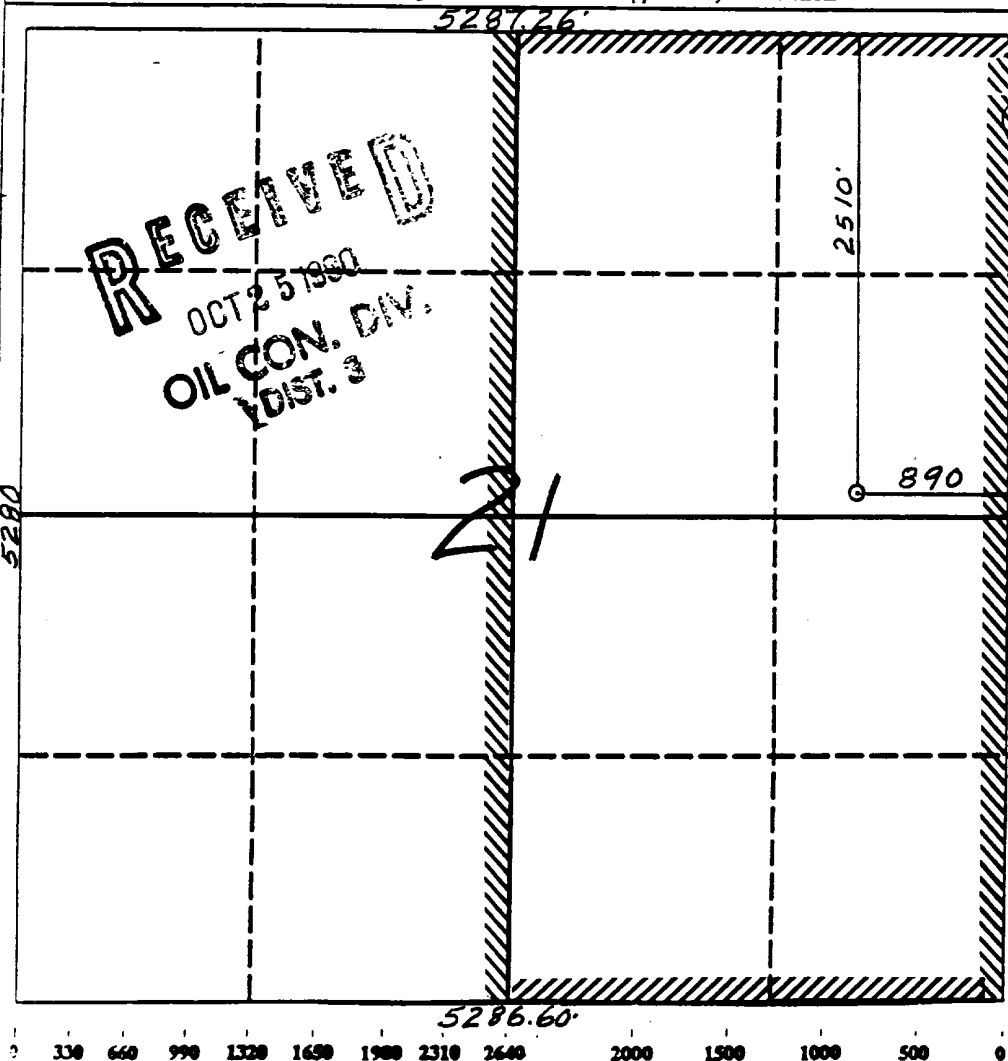
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-078769)		Well No. 262
Unit Letter H	Section 21	Township 31 North	Range 5 West	County NMPM Rio Arriba	
Actual Footage Location of Well: 2510 feet from the North line and 890 feet from the East line					
Ground level Elev. 6560'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or lecture 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, forced-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
contains 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
8-31-90

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.

5-22-90

Date Surveyed

Neale C. Edwards
Signature
Professional Surveyor

NEW MEXICO
6857
REGISTERED LAND SURVEYOR

Certificate No.
Neale C. Edwards

Well Name: 262 ROSA UNIT
 Sec. 21 T31N R05W
 BASIN FRUITLAND COAL

2510'FNL 890'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 6560'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2730

Kirtland- 2855

Fruitland- 3205

Fruitland Coal Top- 3300

Fruitland Coal Base- 3427

Pictured Cliffs- 3431

Intermediate TD- 3250

Total Depth- 3429

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 contro.
	200 - 3250	Non-dispersed	8.4 - 9.1	30-60	no contro.
	3250 - 3429	Formation Water	8.4		no contro.

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 - 3250	7"	20.0#	K-55
	6 1/4"	3200 - 3429	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3429	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2855'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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:

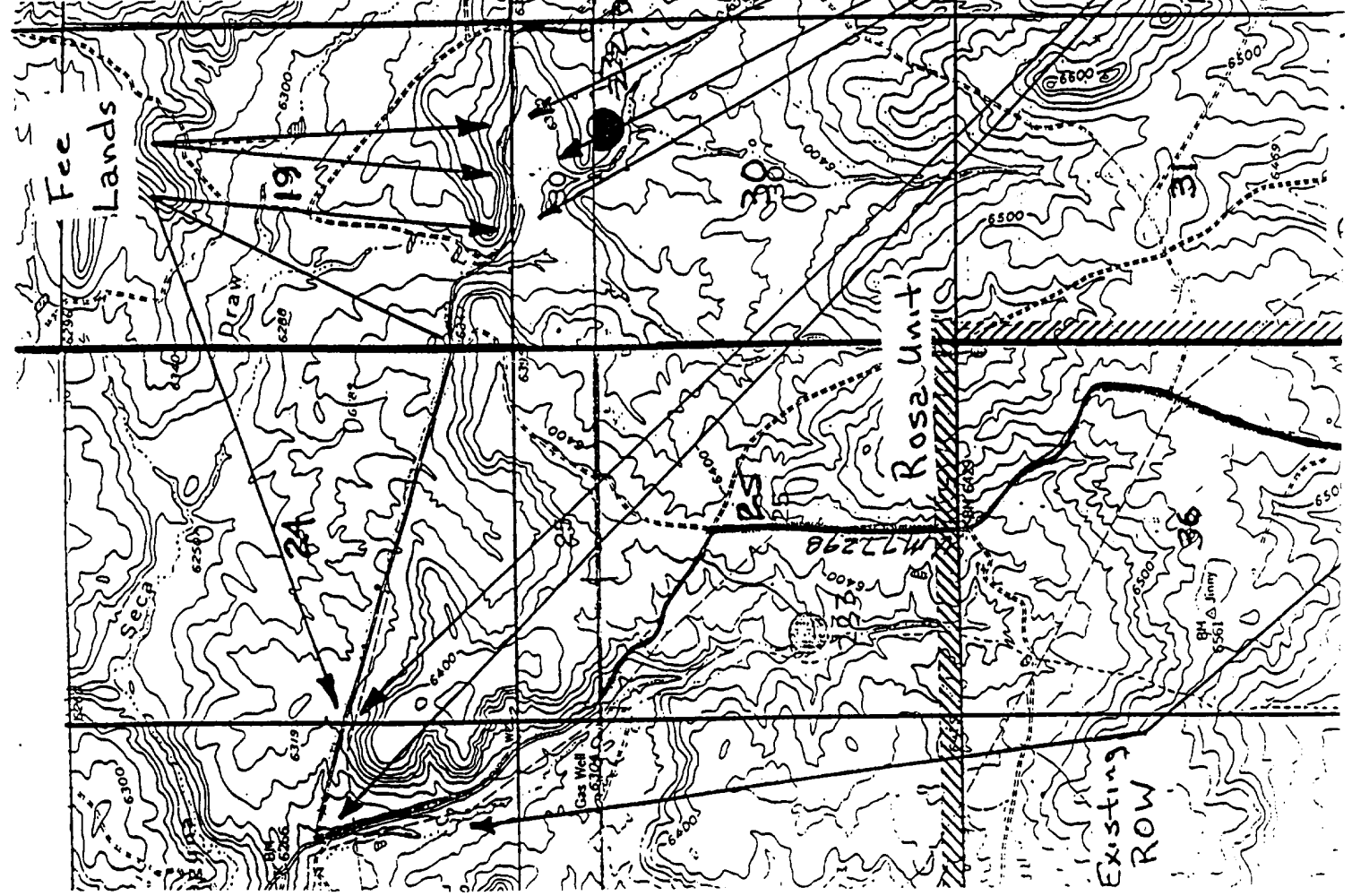
9 5/8" surface casing - cement with 160 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 475 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. 1036 cu ft. of slurry, 110% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

5 1/2" liner - do not cement.

Rosa Unit # 262
T31N,R5W
2500' New Construction
15,600' Forest Roads
13,500' Existing BLM
roads within
unit boundaries

Map 1



Existing BLM
Roads in Unit

Laguna
Sage