

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-25080

RECEIVED
BLM MAIL ROOM

91 MAY 17 AM 7:49

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FARMINGTON DISTRICT AREA
FARMINGTON DISTRICT OFFICE

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078769
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 790'FNL 955'FEL	9. WELL NO. 250
14. DISTANCE IN MILES FROM NEAREST TOWN 15 MILES NAVAJO DAM	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. A SEC. 16 T31N R05W NMPM
15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY RIO ARRIBA
16. ACRES IN LEASE 256000	13. STATE NM
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 3482'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6678'GL	22. APPROX. DATE WORK WILL START

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

EXEMPTED FROM THE REQUIREMENTS OF 43 CFR 3165.3
AND 3165.4 BY THE FOLLOWING: WITH ATTACHED
"GENERAL REQUIREMENTS".

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *[Signature]*
REG. DRILLING ENGR.

JUN 25 1991

OIL CON. DIV.
DIST. 3

5/10/91
DATE

PERMIT NO. _____

APPROVAL DATE _____

APPROVED
AS AMENDED

APPROVED BY _____ TITLE _____

DATE _____

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

JUN 21 1991
[Signature]
AREA MANAGER

ARCH REPORT SUBMITTED 09/26/90

NM000

53752812

NOV 10 1966

RECEIVED
FBI - NEW YORK

NOV 10 1966

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

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED
BLM MAIL ROOM

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

91 MAY 17 AM 7:49

FARMINGTON DISTRICT OFFICE
FARMINGTON, NEW MEXICO

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

DISTRICT II
P.O. Drawer 00, 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. 250
Unit Letter A	Section 16	Township 31 North	Range 5 West	County NMNM Rio Arriba	
Actual Footage Location of Well: 790 feet from the North line and 955 feet from the East line					
Ground level Elev. 6678'		Producing Formation Fruitland Coal		Pool Basin	
					Dedicated Acreage: 320.00 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hectare marks 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 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 the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

Date

5-6-91

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.

8-1-90

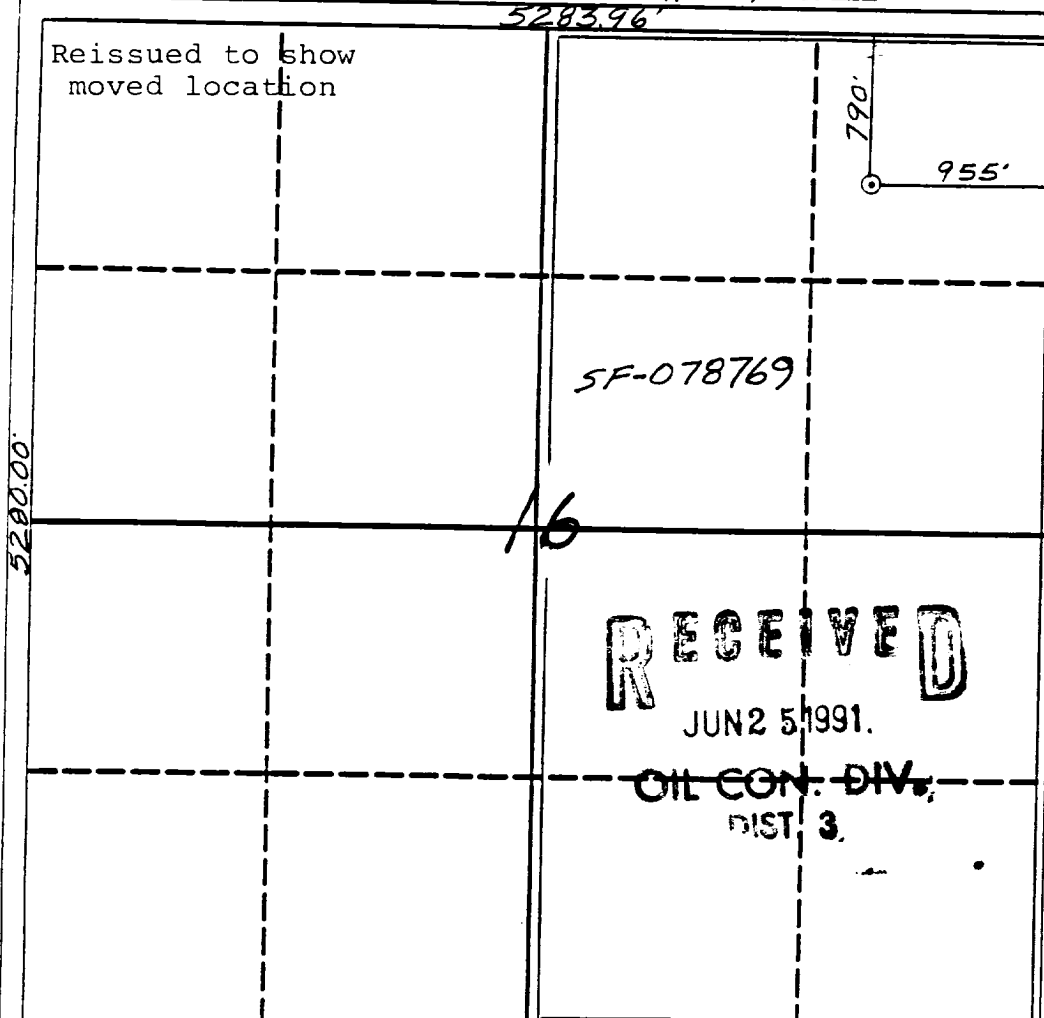
Date Surveyed

Neale C. Edwards
Signature

Professional Surveyor



Certificates of Survey
Neale C. Edwards



RECEIVED
JUN 25 1991

OIL CON. DIV.
DIST. 3

Well Name: 250 ROSA UNIT
 Sec. 16 T31N R05W
 BASIN FRUITLAND COAL

790'FNL 955'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 6678'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2780

Kirtland- 2905

Fruitland- 3260

Fruitland Coal Top- 3335

Fruitland Coal Base- 3480

Pictured Cliffs- 3485

Intermediate TD- 3285

Total Depth- 3482

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 300	Spud	8.4 - 8.9	40-50	no control
	300 - 3285	Non-dispersed	8.4 - 9.1	30-60	no control
	3285 - 3482	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 300	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3285	7"	20.0#	K-55
	6 1/4"	3235 - 3482	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3482	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 @ 2905'. 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.

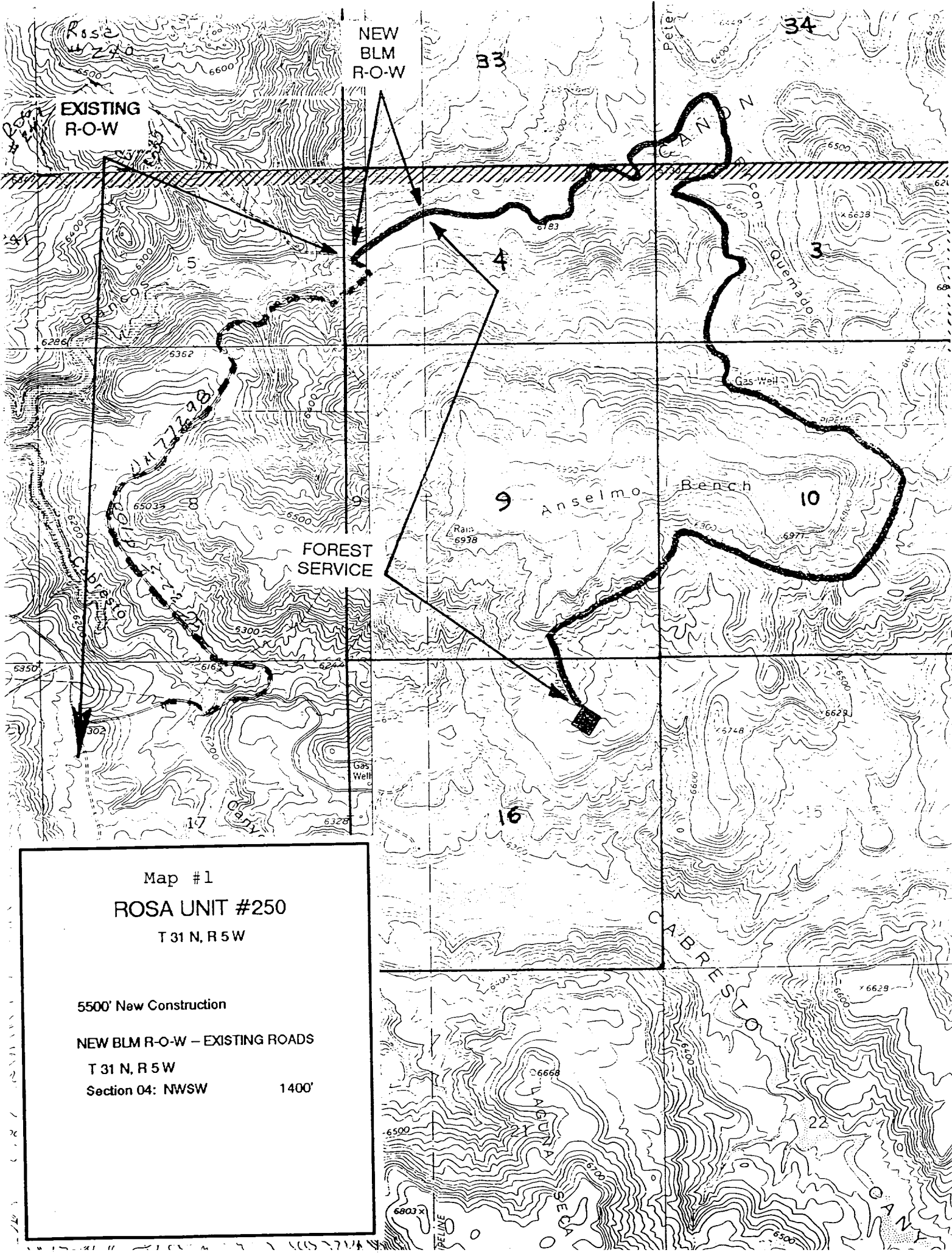
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 239 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (282 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 484 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. 1052 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.



Map #1
ROSA UNIT #250
T 31 N, R 5 W

5500' New Construction
NEW BLM R-O-W - EXISTING ROADS
T 31 N, R 5 W
Section 04: NWSW 1400'