

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 29 1990

OIL CON. DIV

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DIST

30-039-24808

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 2510' FSL 790' FWL	9. WELL NO. 272
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. L SEC. 35 T31N R05W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 10 MILES NE OF GOVERNADOR	12. COUNTY RIO ARRIBA
	13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE 1920
	17. ACRES ASSIGNED TO WELL w/ 320.00 DEVELOPMENT OF THIS PROPERTY ARE SUBJECT TO THE RULES WITH ATTACHED "GENERAL REQUIREMENTS".
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 800' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3561'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6718' 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.

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: 
REG. DRILLING ENGR.

5/2/90
DATE

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

APPROVED
AS APPLIED

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

JUN 26 1990

Ken Townsend
FOR AREA MANAGER

NMOCD

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 1-1-80

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

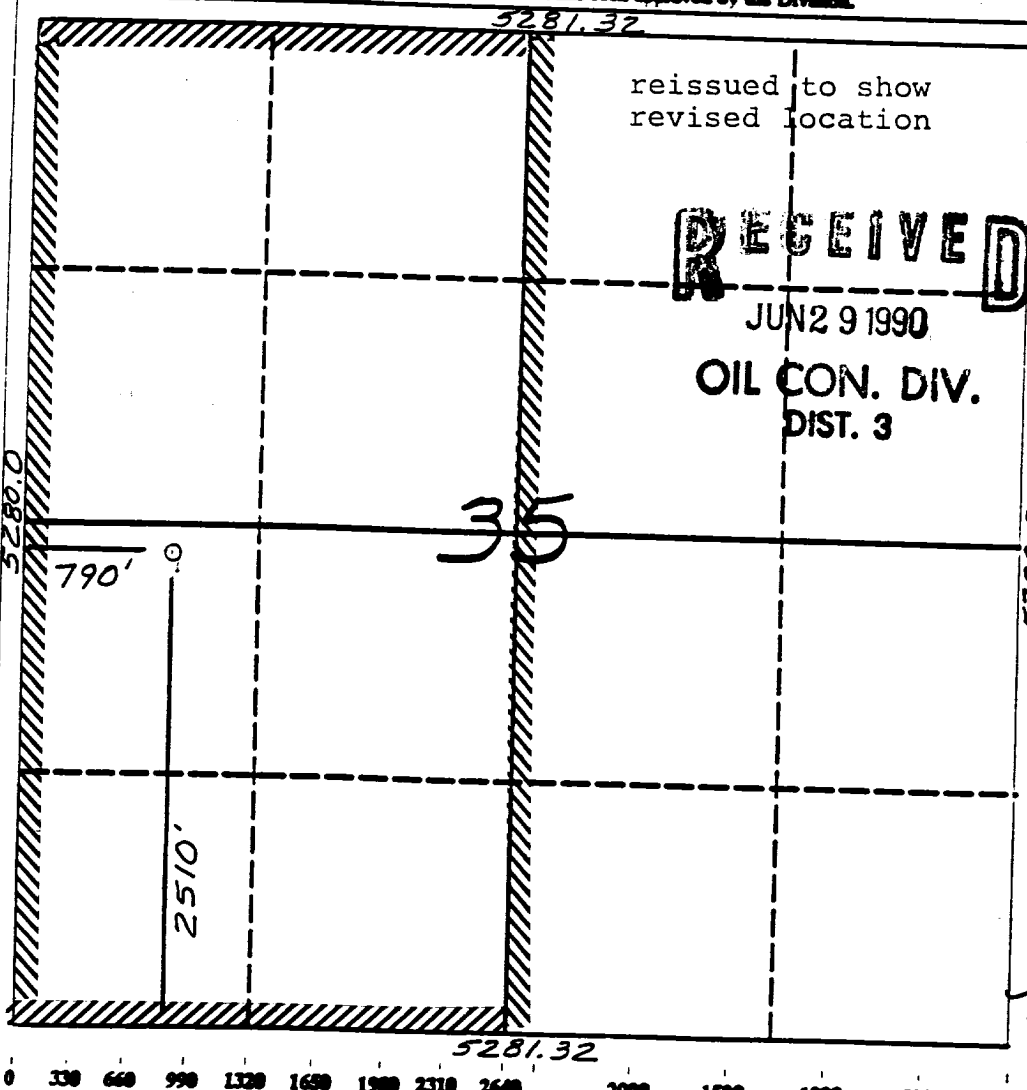
1000 Rio Brazos Rd., Aztec, NM 87410

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-078773)		Well No. 272
Unit Lease L	Section 35	Township 31 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well: 2510 feet from the South line and 790 feet from the West line					
Ground level Elev. 6718'		Producing Formation Fruitland Coal		Pool Basin	
					Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or facsimile 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.

Signature
Peggy Bradfield

Printed Name
Peggy Bradfield

Position
Regulatory Affairs

Company
Meridian Oil Inc.

Date
5-1-90

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
5-1-90

Signature of Surveyor
Neale C. Edwards

Professional Surveyor
857

REGISTERED LAND SURVEYOR

Certificate No.
6857

Well Name: 272 ROSA UNIT
 Sec. 35 T31N R05W
 BASIN FRUITLAND COAL

2510'FSL 790'FWL
 RIO ARriba NEW MEXICO
 Elevation 6718'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2820
 Kirtland- 3000
 Fruitland- 3300
 Fruitland Coal Top- 3462
 Fruitland Coal Base- 3560
 Intermediate TD- 3432
 Total Depth- 3561
 Pictured Cliffs- 3563

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 - 3432	Non-dispersed	8.4 - 9.1	30-60	no control
	3432 - 3561	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 - 3432	7"	20.0#	K-55
	6 1/4"	3382 - 3561	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3561	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 and four centralizers run every other joint across Ojo Alamo. 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 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 505 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. 1093 cu ft. of slurry, 110% excess to circulate to surface. WOC 12 hours.

5 1/2" liner - do not cement.

Rosa Unit #272
T31N, R5W

No new Construction
All road Right of Way
Applied for on the
Quintana Mesa #100

Quintana Mesa #100

GEOLOGICAL SURVEY

107°22'30" W

52°30' N

13000m N

128900m E

20'

291'

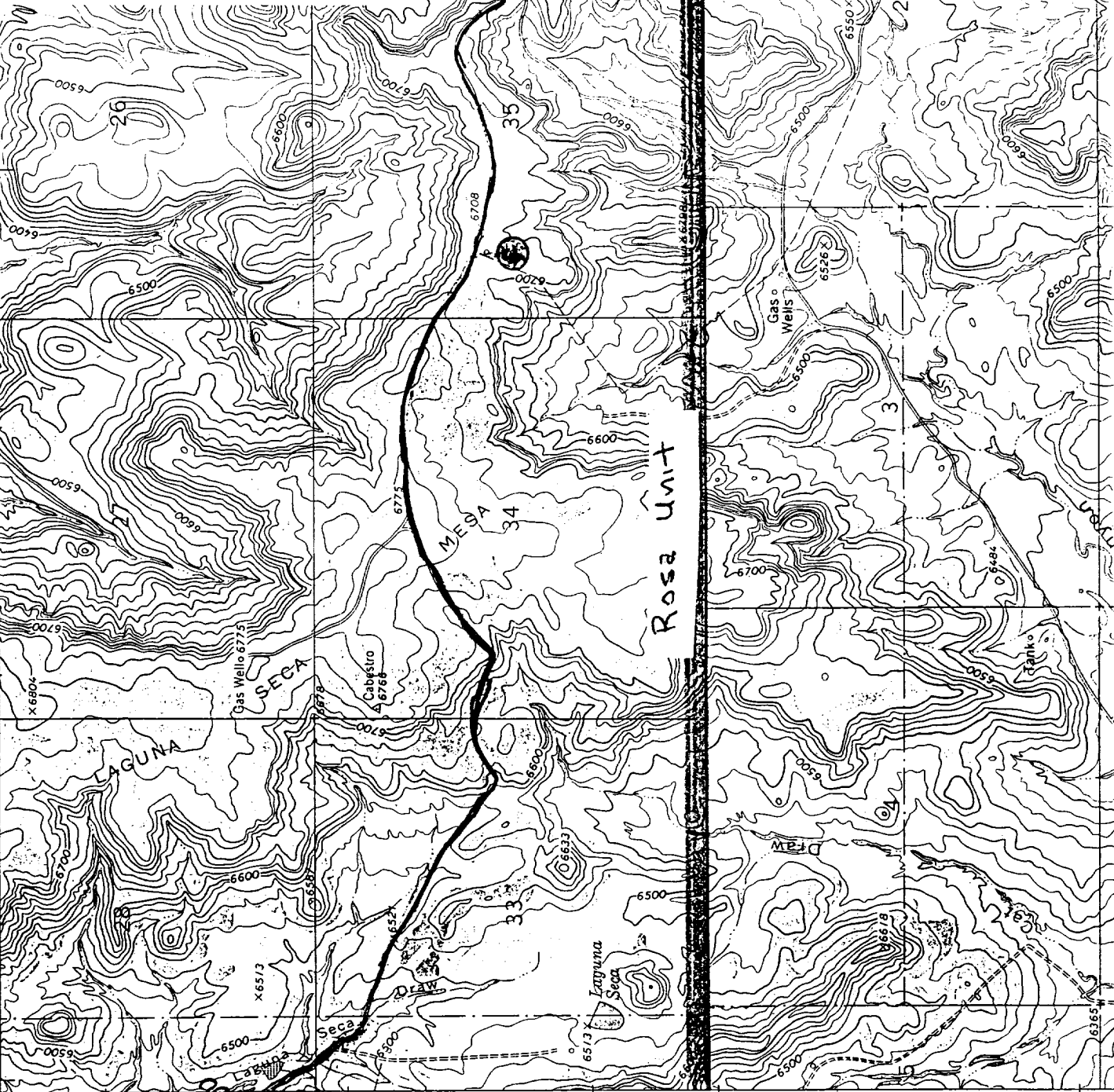
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128900m E

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