

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

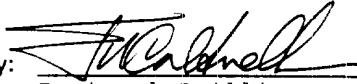
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30-039-25270

FARMINGTON, NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	<b>RECEIVED</b> JUN 10 1993	5. Lease Number SF-079250
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 14538	OIL CON. DIV DIST. 3	7. Unit Agreement Name San Juan 28-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700		8. Farm or Lease Name 2460 San Juan 28-5 Unit 9. Well Number 200
4. Location of Well 1995'FNL, 885'FEL  Latitude 36° 39' 47", Longitude 107° 19' 19"		10. Field, Pool, Wildcat 66725 S. Blanco Pic. Cliffs/ 71629 Basin Ft Coal 11. Sec., Twn, Rge, Mer. H Sec 14, T-28-N, R-5-W NMPM
14. Distance in Miles from Nearest Town 4 miles to Gobernador, NM		12. County Rio Arriba
		13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 885'		
16. Acres in Lease 2453.70		17. Acres Assigned to Well 320/160 N/2 NE/4
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 70'		
19. Proposed Depth 4440'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7292'GR	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS	22. Approx. Date Work will Start 2nd quarter 1993
23. Proposed Casing and Cementing Program See Operations Plan attached		This action is subject to technical and procedural review pursuant to 43 CFR 3105.5 and appeal pursuant to 43 CFR 3105.4.
24. Authorized by:  Regional Drilling Engineer		Date 4/13/93

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Archaeological Report to be submitted  
Threatened and Endangered Species Report to be submitted  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3  
APD for this well at 1475'FNL, 490'FEL approved 8-28-89 and rescinded 9-24-91.

APPROVED  
AS AMENDED

JUN 04 1993

  
DISTRICT MANAGER

4451-5248

NMOCQ

Schemes to Acquire  
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

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C/O WASHINGTON, NM

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 San Juan 28-5 Unit		Well No. 200
Unit Letter H	Section 14	Township 28 North	Range 5 West	County Rio Arriba
Actual Footage Location of Well: 1995 feet from the North line and 885 feet from the East line				
Ground level Elev. 7292'	Producing Formation Fruitland Coal/Pic.Cliffs	Pool Basin/So. Blanco	Dedicated Acreage: 320/160 Acres	

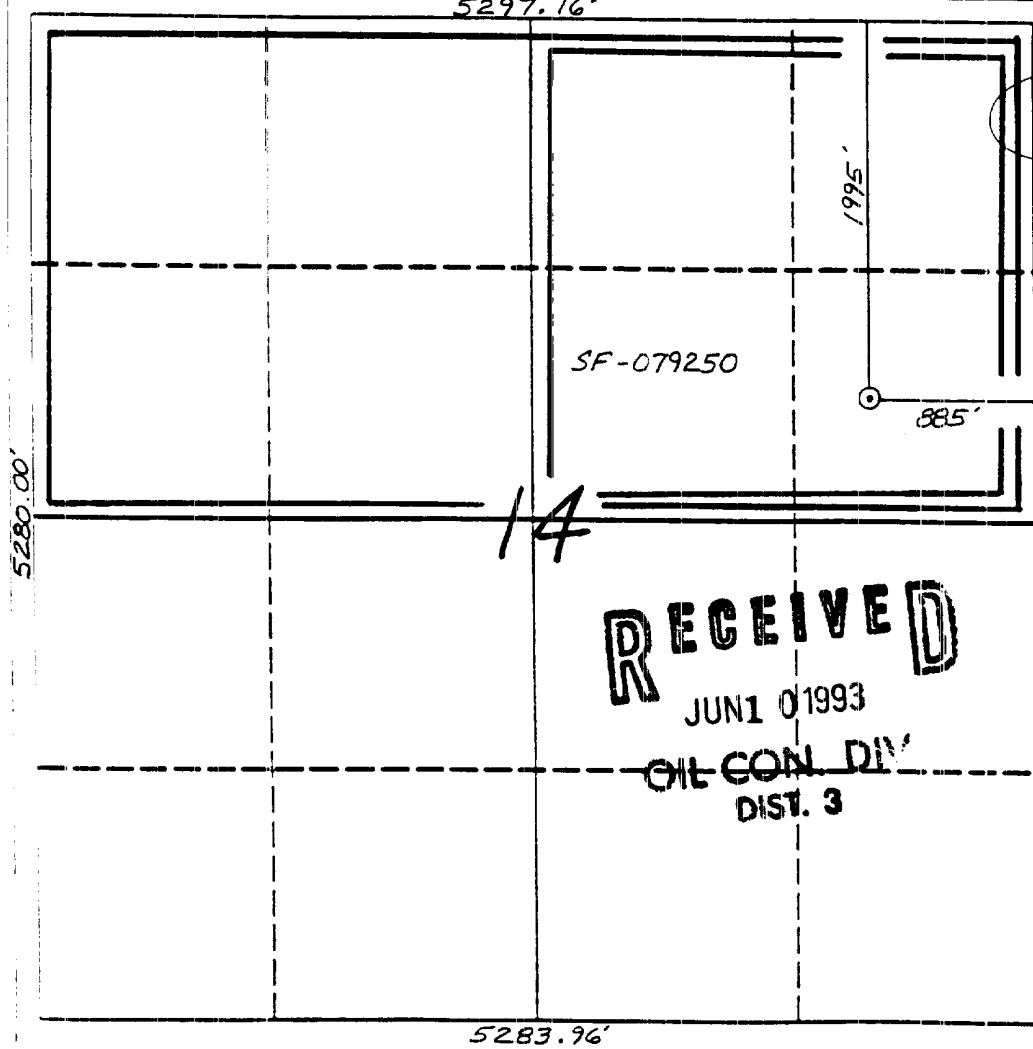
1. Outline the acreage dedicated to the subject well by colored pencil or Indian marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (with 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 allowance 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 Bradford*  
Signature  
Peggy Bradford  
Printed Name  
Regulatory Rep.

Company  
Meridian Oil Inc.

Date  
4-13-93

**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.

3-9-93

Date Surveyed  
3-9-93

*W. C. Edwards*  
Signature  
Professional Surveyor  
6857

6857

OPERATIONS PLAN

**Well Name:** San Juan 28-5 Unit #200  
**Location:** 1995'FNL, 885'FEL Section 14, T-28-N, R-05-W  
 Rio Arriba County, New Mexico  
 Latitude 36° 39' 47", Longitude 107° 19' 19"  
**Formation:** Basin Fruitland Coal/South Blanco Pictured Cliffs  
**Elevation:** 7292'GL

<b>Formation:</b>	<b>Top</b>	<b>Bottom</b>	<b>Contents</b>
Surface	San Jose	3520'	
Ojo Alamo	3520'	3740'	aquifer
Kirtland	3740'	4000'	
Fruitland	4000'	4245'	
Fruitland Coal Top	4085'	4240'	gas
Pictured Cliffs	4245'	4470'	gas
Lewis	4470'		
Total Depth	4440'		

**Logging Program:** Mud logs from 3975' to Total Depth.  
 DIL, CNL-LDT, ML, NGT, HR Density --surface to TD.

**Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
C- 200'	Spud	8.4-8.9	40-50	no control
200-4440'	Non-dispersed	8.4-9.5	30-60	no control

**Casing Program:**

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0 - 200'	8 5/8"	24.0#	K-40
7 7/8"	0 - 4440'	4 1/2"	10.5#	K-55

**Tubing Program:**

0 - 4440'	2 3/8"	4.7#	J-55
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**Float Equipment:** 8 5/8" surface casing - saw tooth guide shoe.  
 Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 3740'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 3740'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 8 5/8" x 4 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly.