

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-080516	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator MERIDIAN OIL 4538	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 7460 San Juan 28-5 Unit 9. Well Number 241	
4. Location of Well 1790' FSL, 1640' FWL Latitude 36° 39' 33", Longitude 107° 22' 02"	10. Field, Pool, Wildcat Basin Ft Coal / 71629 S. Blanco Pic. Cliffs EXT 11. Sec., Twn, Rge, Mer. K Sec 16, T-28-N, R-5-W NMPM	
14. Distance in Miles from Nearest Town 3 miles to Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1640'	17. Acres Assigned to Well 320 S/2; 160 SW/4	
16. Acres in Lease 640	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 150'	22. Approx. Date Work will Start 2nd quarter 1994	
19. Proposed Depth 3636'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6598' GR	24. Authorized by: <i>[Signature]</i> Regional Drilling Engineer	

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MAR 2 4 1994

OIL CON. DIV.
DIST. 3

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
GENERAL ORDER

12/20/93
Date

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

APPROVED AS AMENDED

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

NMOC

MAR 22 1994
DISTRICT MANAGER

Schedule to Appropriation-
District Office-
State Lands - 4 copies-
Fee Lands - 3 copies-

State of New Mexico :
Energy, Minerals and Natural Resources Department-

Form C-182-
Revised 1-1-89-
BLM

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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070 FARMINGTON, NM

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

DISTRICT II
P.O. Drawer DD, Artesa, NM 88210

DISTRICT III
1000 Rio Bonos Rd., Artesa, 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		Well No. 241
Unit Letter K	Section 16	Township T.28 N.	Range R.5 W.	County RIO ARRIBA
Actual Footage Location of Well: 1790 feet from the SOUTH line and 1640 feet from the WEST line				
Ground level Elev. 6598	Producing Formation Fruitland Coal/Pic.Cliffs	Pool Basin/S. Blanco	Dedicated Acreage: 320/160 Acres	
1. Outline the acreage dedicated to the subject well by colored pencil or ink 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 well 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

Printed Name
Regulatory Representative

Position
Meridian Oil Inc.

Company
12-21-93

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. 10/21/93

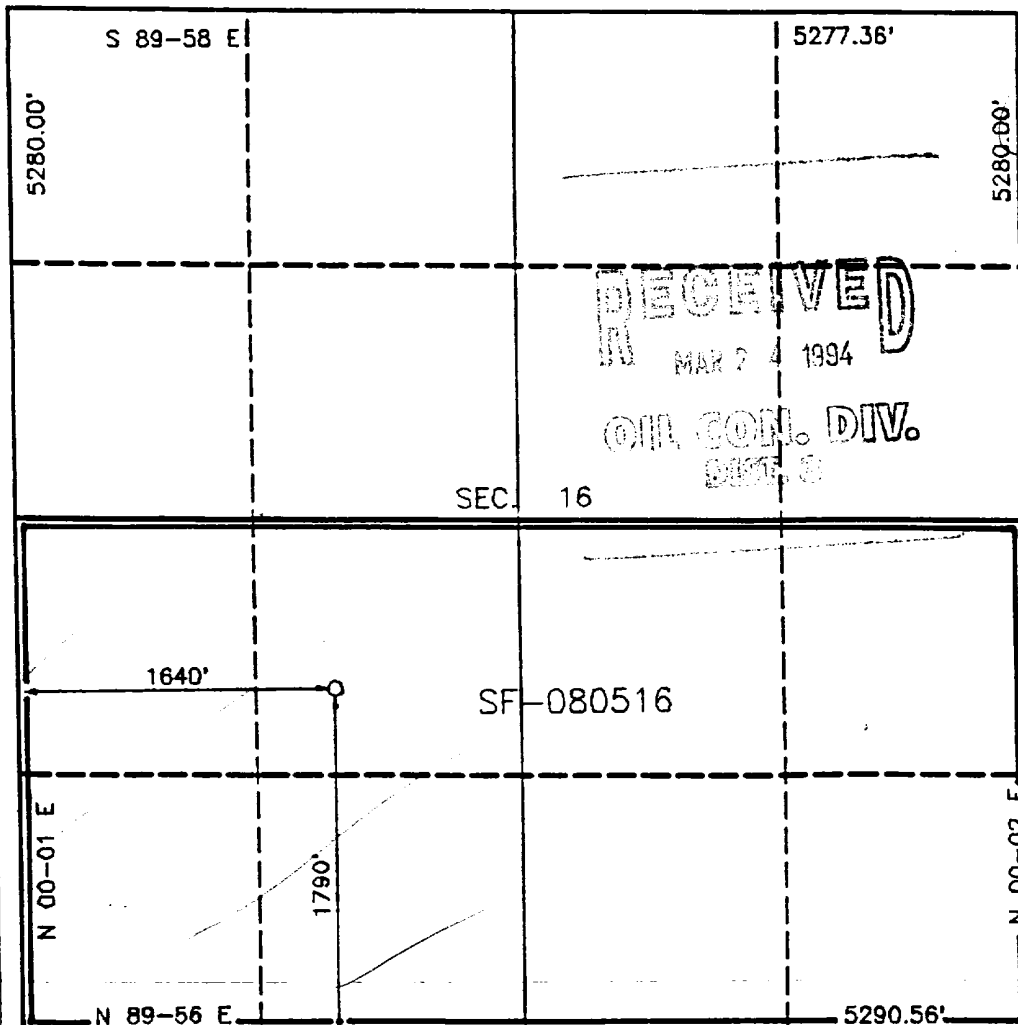
Date Surveyed
C. EDWARDS

Signature of Surveyor
Needle Edwards

Professional Surveyor
9857

Commission No.

6857



OPERATIONS PLAN

Well Name: San Juan 28-5 Unit #241
Location: 1790'FSL, 1640'FWL Section 16, T-28-N, R-5-W
 Rio Arriba County, New Mexico
 Latitude 36° 39' 33", Longitude 107° 22' 02"
Formation: Basin Fruitland Coal/S.Blanco Pictured Cliffs
Elevation: 6598'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2815'	
Ojo Alamo	2815'	2945'	aquifer
Kirtland	2945'	3295'	
Fruitland	3295'	3492'	
Fruitland Coal Top	3304'	3490'	gas
Pictured Cliffs	3492'		gas
Total Depth	3636'		

Logging Program: Mud logs from 2800' to Total Depth
 DIL-GR-SP - surface to Total Depth
 GL-GR-SP-CAL/Dens-Neut-GR-CAL - 2800' to Total Depth

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-3636'	Non-dispersed	8.4-9.5	30-60	no control

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0 - 200'	8 5/8"	24.0#	K-40
7 7/8"	0 - 3636'	4 1/2"	10.5#	K-55

Tubing Program:

0 - 3636'	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 @ 2945'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2945'. 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" 2000 psi xmas tree assembly.

