

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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30-045-29000

SEP 22 PM 1:54

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

070 Farmington, NM

1a. Type of Work DRILL	RECEIVED OCT 21 1993	5. Lease Number SF-078060
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 14538		7. Unit Agreement Name Huerfano Unit 7139
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Huerfano Unit 9. Well Number 503
4. Location of Well 1850' FNL, 1330' FEL Latitude 36° 28' 33", Longitude 107° 47' 24"		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. G Sec 21, T-26-N, R-9-W NMMPM
14. Distance in Miles from Nearest Town 6 miles to Huerfano Trading Post		12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1330'		
16. Acres in Lease 960.00	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	17. Acres Assigned to Well 320 N/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1000'		
19. Proposed Depth 2300'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5280' GR 6380		22. Approx. Date Work will Start 4th quarter 1993
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Regional Drilling Engineer		Date 9/17/93

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

APPROVED
AS AMENDED

Archaeological Report to be submitted
Threatened and Endangered Species Report submitted 09-15-93
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

OCT 19 1993

DISTRICT MANAGER

NMOCD

Schedule to Assignment
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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070 PALMISTON, NM

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

DISTRICT II
P.O. Drawer DD, Arama, 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 Huerfanó Unit		Well No. 503
Unit Letter G	Section 21	Township 26 North	Range 9 West	County San Juan
Actual Forage Location of Well: 1850 feet from the North line and 1330 feet from the East line				
Ground level Elev. 6380'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320 Acres	

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

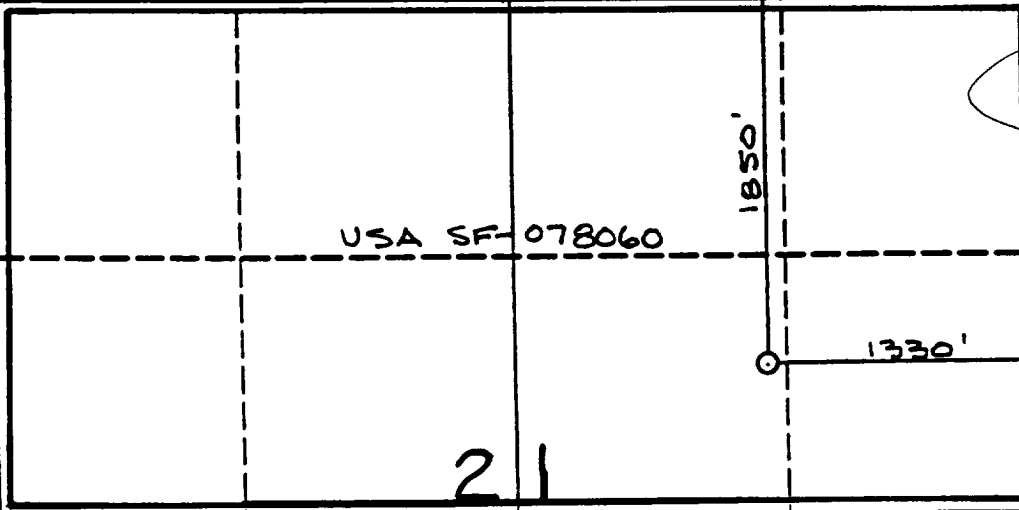
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, forced-pooling, etc.?

☒ 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.

5196.84'



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OCT 21 1993

OIL CON. DIV.
DIST. 3

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 Rep

Position

Meridian Oil Inc

Company

9-15-93

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. 8-23-93

Date Surveyed 8-23-93
Needle 6857

Signature of Surveyor
Professional Surveyor

6857

6857

6857

6857

6857

6857

6857

OPERATIONS PLAN

Well Name: Huerfano Unit #503
Location: 1850'FNL, 1330'FEL, Section 21, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 28' 33", Longitude 107° 47' 24"
Formation: Basin Fruitland Coal
Elevation: 6480'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1165'	
Ojo Alamo	1165'	1264'	aquifer
Kirtland	1264'	1805'	
Fruitland	1805'	1996'	
Fruitland Coal Top	1846'	1995'	gas & salt water
Pictured Cliffs	1996'		
Total Depth	2300'		

Logging Program: Mud logs: 1800' to TD
 Dens/Neut/GR; Dens; Micro/GR: 1800 to TD
 Ind/SP/GR; CNL/Density: surface to TD

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2300'	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 - 2300'	4 1/2"	10.5#	K-55

Tubing Program:

0 - 2300'	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. Two centralizers run every 3rd joint to the base of the Ojo Alamo @ 1264'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1264'. 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.

