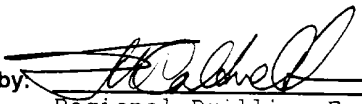


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078358
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL	7. Unit Agreement Name Huerfanito Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Huerfanito Unit
4. Location of Well 1795' FSL, 1730' FEL Latitude 36° 32' 36", Longitude 107° 45' 15"	9. Well Number 79M
	10. Field, Pool, Wildcat Blanco Mesa Verde/ Basin Dakota
	11. Sec., Twn, Rge, Mer. Sec 26, T-27-N, R-9-W NMPM
14. Distance in Miles from Nearest Town 12 miles from Huerfano Trading Post	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1730'	
16. Acres in Lease 160 ac.	17. Acres Assigned to Well 320 E/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2000'	
19. Proposed Depth 6968'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6224' GR	22. Approx. Date Work will Start 2nd quarter 1993
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by:  Regional Drilling Engineer	OIL CON. DIST. 3 Date 5/15/93

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

**APPROVED
AS AMENDED**

Archaeological Report submitted 2-19-93

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

MAR 15 1993
DISTRICT MANAGER

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

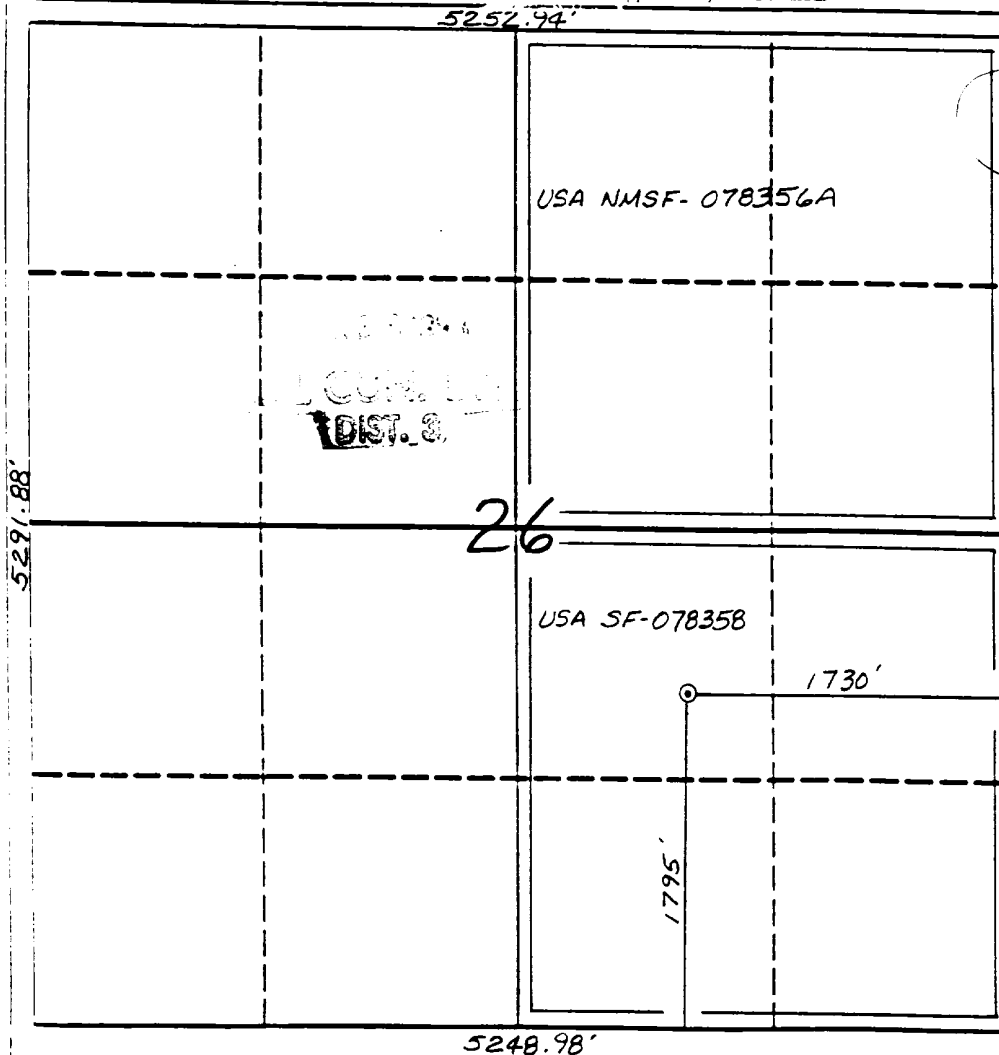
1000 Rio Arriba Rd., Alamosa, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Huerfanito Unit		Well No. 79M
U.S. Letter J	Section 26	Township 27 North	Range 9 West	County San Juan
Actual Footage Location of Well: 1795 feet from the South line and 1730 feet from the East line				
Ground level Elev. 6224'	Producing Formation Mesa Verde/Dakota	Pool Blanco/Basin	Dedicated Acreage 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 Representative

Position

Meridian Oil Inc.

Company

3-12-93

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.

12-22-92

Date Surveyed

C. Edwards
Signature

Professional Surveyor

3857

Certificate No.

6857

April 14, 1993

OPERATIONS PLAN

Well Name: Huerfanito Unit #79M
Location: 1795'FSL, 1730'FEL Section 26, T-27-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 32' 36", Longitude 107° 45' 15"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6224'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1239'	
Ojo Alamo	1239'	1379'	aquifer
Kirtland	1379'	1686'	
Fruitland	1686'	2117'	gas
Pictured Cliffs	2117'	3475'	gas
Mesa Verde	3475'	3772'	salt water
Menefee	3772'	4409'	salt water
Point Lookout	4409'	5213'	gas & oil
Mancos	5052'	5585'	
Gallup	5585'	6405'	gas & oil
Greenhorn	6405'	6447'	
Graneros	6447'	6519'	gas & oil
Dakota	6519'		gas & oil
Total Depth	6807'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 4500' to total depth
 Coring - none
 DST - none
 Electric logs - DIL/SP/GR; CDL/CNL/GR; ML/GR

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0-200'	Spud	8.4-8.9	40-50	no control
200-6807'	LSND	8.4-9.1	30-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid 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-55
7 7/8"	0' - 6807'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6807' 2 3/8" 4.7# J-55 EUE