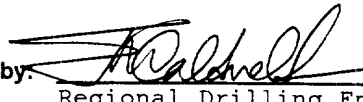


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NO-G-9955-1134	
1b. Type of Well GAS	6. If Indian, All. or Tribe Navajo Tribe	
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name Huerfanito Unit 7138	
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 1545' FSL, 1270' FEL Latitude 36° 31' 42", Longitude 107° 44' 07"	9. Well Number 78M	
10. Field, Pool, Wildcat Blanco Mesa Verde / 72317 Basin Dakota 71599	11. Sec., Twn, Rge, Mer. 1 Sec 36, T-27-N, R-9-W. NMPM	
14. Distance in Miles from Nearest Town 11 miles from Huerfano Trading Post	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1270'	17. Acres Assigned to Well 320 E/2	
16. Acres in Lease 160.00	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 600'	
19. Proposed Depth 6693'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6161' 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	
		Date 3/15/93

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

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

DATE
APPROVED
AS AMENDED

APR 02 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, Artesa, NM 88210

DISTRICT III

100 Rio Grande B.L. 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 Huerfanito Unit			Well No. 78M		
Unit Letter I	Section 36	Township 27 North	Range 9 West	County San Juan				
Actual Footage Location of Well: 1545 feet from the South line and 1270 feet from the East line								
Ground level Elev. 6161'			Producing Formation Mesa Verde/Dakota			Pool Blanco/Basin		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or inkline marks 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 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.

5260.20'

5291.22'

36

NAVAJO NO-G-0955-1134 (F)

1270'

1545'

2548.26'

2834.70'

RECEIVED
JUL 6 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 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

6857

C. Edwards
Professional Surveyor

Carroll No.

6857

OPERATIONS PLAN

Well Name: Huerfanito Unit #78M
Location: 1545'FSL, 1270'FEL Section 36, T-27--N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 31' 42", Longitude 107° 44' 07"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6161'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1188'	
Ojo Alamo	1188'	1319'	aquifer
Kirtland	1319'	1813'	
Fruitland	1813'	2003'	gas
Pictured Cliffs	2003'	3271'	gas
Mesa Verde	3271'	3658'	salt water
Menefee	3658'	4368'	salt water
Point Lookout	4368'	4933'	gas & oil
Mancos	4933'	5455'	
Gallup	5455'	6273'	gas & oil
Greenhorn	6273'	6331'	
Graneros	6331'	6405'	gas & oil
Dakota	6405'		gas & oil
Total Depth	6693'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - yes
 Coring - none
 DST - none
 Electric logs - DIL/FDC-CNL

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
200-6693'	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' - 6693'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6693' 2 3/8" 4.7# J-55 EUE

