

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 30-045-28977 ✓	
1b. Type of Well GAS	6. If Indian, All. or Tribe Navajo Tribe	
2. Operator MERIDIAN OIL 1453P ✓	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 7139	
4. Location of Well 870' FNL, 850' FWL Latitude 36° 33' 04", Longitude 107° 44' 44"	9. Well Number 82M ✓	
10. Field, Pool, Wildcat Blanco Mesa Verde 72319 Basin Dakota 71599	11. Sec., Twn, Rge, Mer. D Sec 25, 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 850'	17. Acres Assigned to Well 480 ac. 320 W/2 71599	
16. Acres in Lease 480 ac.	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 140'	
19. Proposed Depth 6855' 70/6	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6224' GR 6325 ✓	22. Approx. Date Work will Start 2nd quarter 1993	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
24. Authorized by:  Regional Drilling Engineer	3/15/93 Date	

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

NMOOD

APPROVED
AS AMENDED

JUL 15 1993

DISTRICT MANAGER

RECEIVED
SLM

April 14, 1993
93 APR 14 PM 3:31

OPERATIONS PLAN

070 Huerfanito, NM

Well Name: Huerfanito Unit #82M
Location: 870'FNL, 850'FWL Section 25, T-27-N, R-9-W
San Juan County, New Mexico
Latitude 36° 33' 04", Longitude 107° 44' 44"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6385'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1501'	
Ojo Alamo	1501'	1582'	aquifer
Kirtland	1582'	2048'	
Fruitland	2048'	2188'	gas
Pictured Cliffs	2188'	3593'	gas
Mesa Verde	3593'	3981'	salt water
Menefee	3981'	4626'	salt water
Point Lookout	4626'	5110'	gas & oil
Mancos	5110'	5790'	
Gallup	5790'	6638'	gas & oil
Greenhorn	6638'	6653'	
Graneros	6653'	6715'	gas & oil
Dakota	6715'		gas & oil
Total Depth	7016'		

Logging Program:

Mud Logs/Coring/DST -
Mud logs - yes
Coring - none
DST - none
Electric logs - HRI, HRD, CN, Micro

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
200-7016'	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' - 7016'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 7016' 2 3/8" 4.7# J-55 EUE

Subject to Approval
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

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

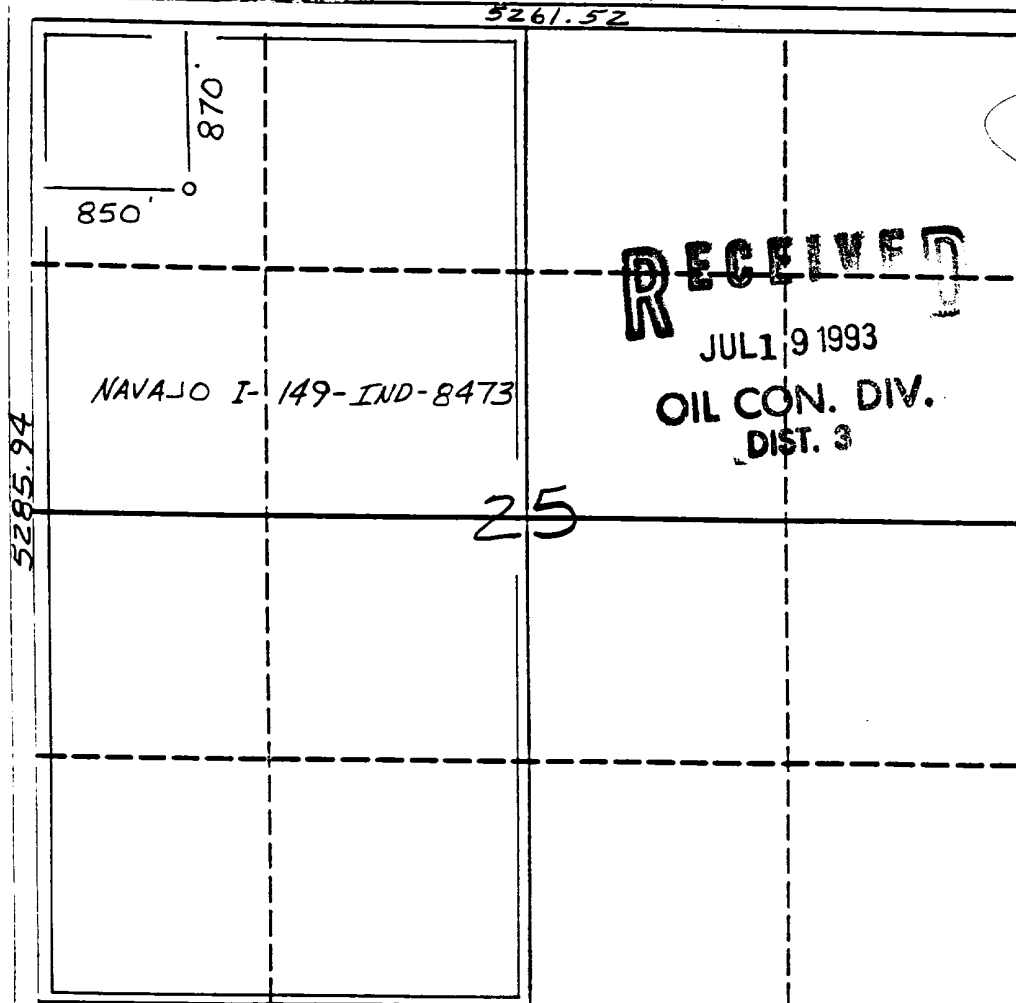
DISTRICT II
P.O. Drawer DD, Artesa, NM 88210

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 Huerfanito Unit		Well No. 82M
Unit Letter D	Section 25	Township 27 North	Range 9 West	County NMNM	San Juan
Actual Footage Location of Well: 870 feet from the North line and 850 feet from the West line					
Ground level Elev. 6385'	Producing Formation Mesa Verde/Dakota	Pool Blanco/Basin	Dedicated Acreage: 320/320 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, 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.

Signature

Peggy Bradfield
Printed Name

Regulatory Representative
Position

Meridian Oil Inc.
Company

3-12-93
Date

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.

2-2-93
Date Surveyed

NEEDS APPROVALS
Signature of Surveyor

Professional Surveyor

9857

6857

6857

