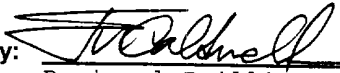


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL		RECEIVED APR 2 1993	5. Lease Number SF-078135	
1b. Type of Well GAS			6. If Indian, All. or Tribe	
2. Operator MERIDIAN OIL 14538		OIL CON. DIV. DIST. 3	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	
			9. Well Number 98M ✓	
4. Location of Well 790' FSL, 1500' FEL Latitude 36° 31' 36", Longitude 107° 45' 15"			10. Field, Pool, Wildcat 72319 Blanco Mesa Verde/ 71599 Basin Dakota	
			11. Sec., Twn, Rge, Mer. O Sec 35, T-27-N, R-9-W NMMPM	
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 790'				
16. Acres in Lease			17. Acres Assigned to Well 320 E/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 400'				
19. Proposed Depth 6802'		This action is subject to technical and procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3185.4.		
20. Rotary or Cable Tools Rotary				
21. Elevations (DF, FT, GR, Etc.) 6292' GR		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 "OPERATIONAL 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

**APPROVED
AS AMENDED**

MAR 31 1993

DISTRICT MANAGER

NM000

Submit to Assestment
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

1030 Rio Grande 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.

98M

Unit Letter

0

Section

35

Township

27North

Range

9 West

County

San Juan

Actual Footage Location of Well:

790

feet from the

South

line and

1500

feet from the

East

line

Ground level Elev.

6292'

Producing Formation

Mesa Verde/Dakota

Pool

Blanco/Basin

Dedicated Acreage:

320

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 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

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.

Date Surveyed

2-2-93

Signature of Surveyor

Professional Surveyor

6857

Certificate No.

6857

RECEIVED
APR 12 1993
OIL CON. DIV.
DIST. 3

USA NMSF-080117

USA SF-078135

1500'

790'

5097.18'

5248.98'

35

March 15, 1993

OPERATIONS PLAN

Well Name: Huerfanito Unit #98M
Location: 790'FSL, 1500'FEL Section 35, T-27-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 31' 36", Longitude 107° 45' 15"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6292'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1287'	
Ojo Alamo	1287'	1380'	aquifer
Kirtland	1380'	1843'	
Fruitland	1843'	2088'	gas
Pictured Cliffs	2088'	3355'	gas
Mesa Verde	3355'	3745'	salt water
Menefee	3745'	4399'	salt water
Point Lookout	4399'	4996'	gas & oil
Mancos	4996'	5562'	
Gallup	5562'	6385'	gas & oil
Greenhorn	6385'	6438'	
Graneros	6438'	6507'	gas & oil
Dakota	6507'		gas & oil
Total Depth	6802'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - none
 Coring - none
 DST - none
 Electric logs - DIL/SP/GR; CDL/CNL/GR; ML

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
200-6802'	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' - 6802'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6802'	2 3/8"	4.7#	J-55 EUE
------------	--------	------	----------

