

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

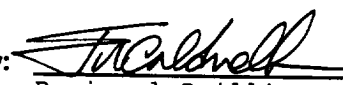
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30-045-29001

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

010 FARMINGTON, NM

1a. Type of Work DRILL	RECEIVED OCT 21 1993	5. Lease Number SF-078060A
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL OIL CON. DIV. 14538 DIST. 3	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 502
4. Location of Well 925' FSL, 2225' FWL Latitude 36° 28' 08", Longitude 107° 47' 44"	10. Field, Pool, Wildcat Basin Fruitland Coal 71629	11. Sec., Twn, Rge, Mer. N Sec 21, T-26-N, R-9-W NMPM
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 925'	17. Acres Assigned to Well 5/320 111	
16. Acres in Lease 1600.00	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1800'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 2317'	22. Approx. Date Work will Start 4th quarter 1993	
21. Elevations (DF, FT, GR, Etc.) 6439' GR		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Regional Drilling Engineer	9/17/93 Date	

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

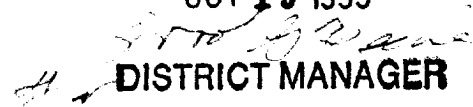
DATE
**APPROVED
AS AMENDED**

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

School to Aqueduct
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

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Form C-182
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

93 SEP 22 PM 1:55

070 FARMINGTON, NM

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

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

DISTRICT III
1000 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 Huerfano Unit			Well No. 502		
Unit Lease N	Section 21	Township 26 North	Range 9 West	County San Juan		NM/PM		
Actual Footage Location of Well: 925 feet from the South line and 2225 feet from the West line								
Ground level Elev. 6439'			Producing Formation Fruitland Coal			Pool 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.

5196.84'

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OCT 21 1993

OIL CON. DIV.
DIST. 3

USA SF078060A

2225'

925'

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
Neal C. Edwards

Signature of
Professional Surveyor

9857

Neal C. Edwards
Professional Surveyor
Certificate No.

September 17, 1993

OPERATIONS PLAN

Well Name: Huerfano Unit #502
Location: 925'FSL, 2225'FWL, Section 21, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 28' 08", Longitude 107° 47' 44"
Formation: Basin Fruitland Coal
Elevation: 6439'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1202'	
Ojo Alamo	1202'	1270'	aquifer
Kirtland	1270'	1840'	
Fruitland	1840'	2015'	
Fruitland Coal Top	1842'	2014'	gas & salt water
Pictured Cliffs	2015'		
Total Depth	2317'		

Logging Program: Mud logs: 1800' to TD
 Dens/Neut/Por; Density/Corr; Micro/GR; Numar MR: 1800-TD
 Ind/SP/GR: to TD

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2317'	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 - 2317'	4 1/2"	10.5#	K-55

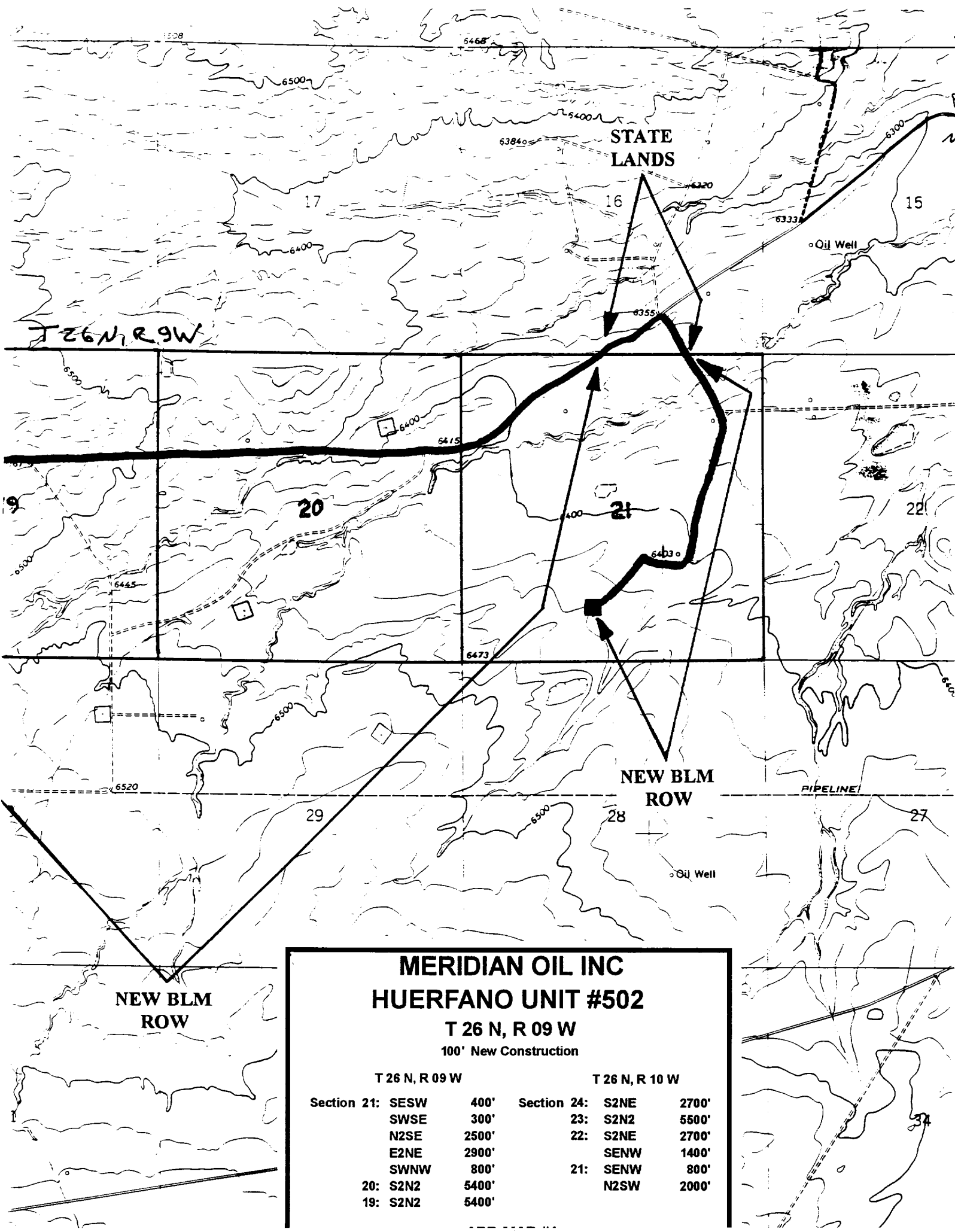
Tubing Program:

0 - 2317'	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 @ 1270'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1270'. 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.



MERIDIAN OIL INC
HUERFANO UNIT #502

T 26 N, R 09 W
100' New Construction

T 26 N, R 09 W		T 26 N, R 10 W	
Section 21:	SESW 400'	Section 24:	S2NE 2700'
	SWSE 300'	23:	S2N2 5500'
	N2SE 2500'	22:	S2NE 2700'
	E2NE 2900'		SENW 1400'
	SWNW 800'	21:	SENW 800'
20:	S2N2 5400'		N2SW 2000'
19:	S2N2 5400'		