

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-29020

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078060
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 14538	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 507
4. Location of Well 2505' FSL, 1190' FWL Latitude 36° 27' 32", Longitude 107° 46' 52"	10. Field, Pool, Wildcat 71629 Basin Fruitland Coal
	11. Sec., Twn, Rge, Mer. 2 Sec 27, T-26-N, R-9-W NMMPM
14. Distance in Miles from Nearest Town 5 miles to Huerfano Trading Post	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1190'	
16. Acres in Lease 960	17. Acres Assigned to Well 320 W/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 750'	
19. Proposed Depth 2215'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6419' GR	22. Approx. Date Work will Start 4th quarter 1993
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>[Signature]</i> Regional Drilling Engineer	OIL CON. DIV. DIST. 3 10-25-93 Date

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NOV 18 1993

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

NOV 16 1993

DISTRICT MANAGER

NMMPM

Submit to Appropriate
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
BLM

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, Arama, NM 88210

DISTRICT III
1000 Rio Arriba Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

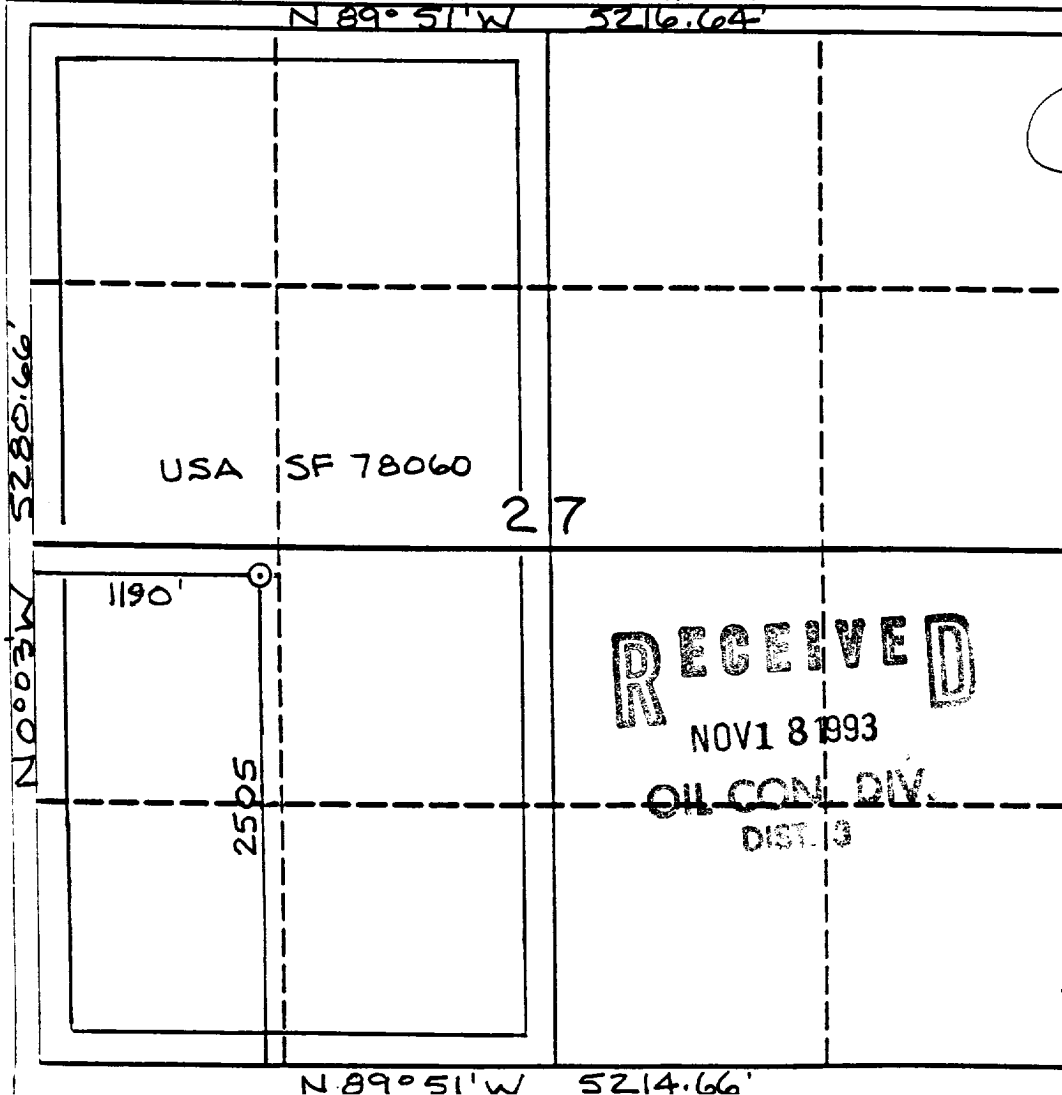
All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Huerfano Unit		Well No. 507	
Unit Letter L	Section 27	Township 26 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 2505 feet from the South line and 1190 feet from the West line					
Ground level Elev. 6419'	Producing Formation Fruitland Coal		Pool 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

10-24-93
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.

9-14-93

Date Surveyed
Ned C. Edwards

Signature of State of Professional Surveyor

6857

Certification No.

6857

October 24, 1993

OPERATIONS PLAN

Well Name: Huerfano Unit #507
Location: 2505'FSL, 1190'FWL, Section 27, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 27' 32", Longitude 107° 46' 52"
Formation: Basin Fruitland Coal
Elevation: 6419'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1111'	
Ojo Alamo	1111'	1266'	aquifer
Kirtland	1266'	1731'	
Fruitland	1731'	1966'	gas
Fruitland Coal	1811'	1965'	gas
Pictured Cliffs	1966'		
Total Depth	2215'		

Logging Program: Mud logs from 1700' to Total Depth.
 Dens/Neut/GL; Dens/GR; Micro/GR: 1820-TD
 Ind/GR/SP: surface-TD

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2215'	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 - 2215'	4 1/2"	10.5#	K-55

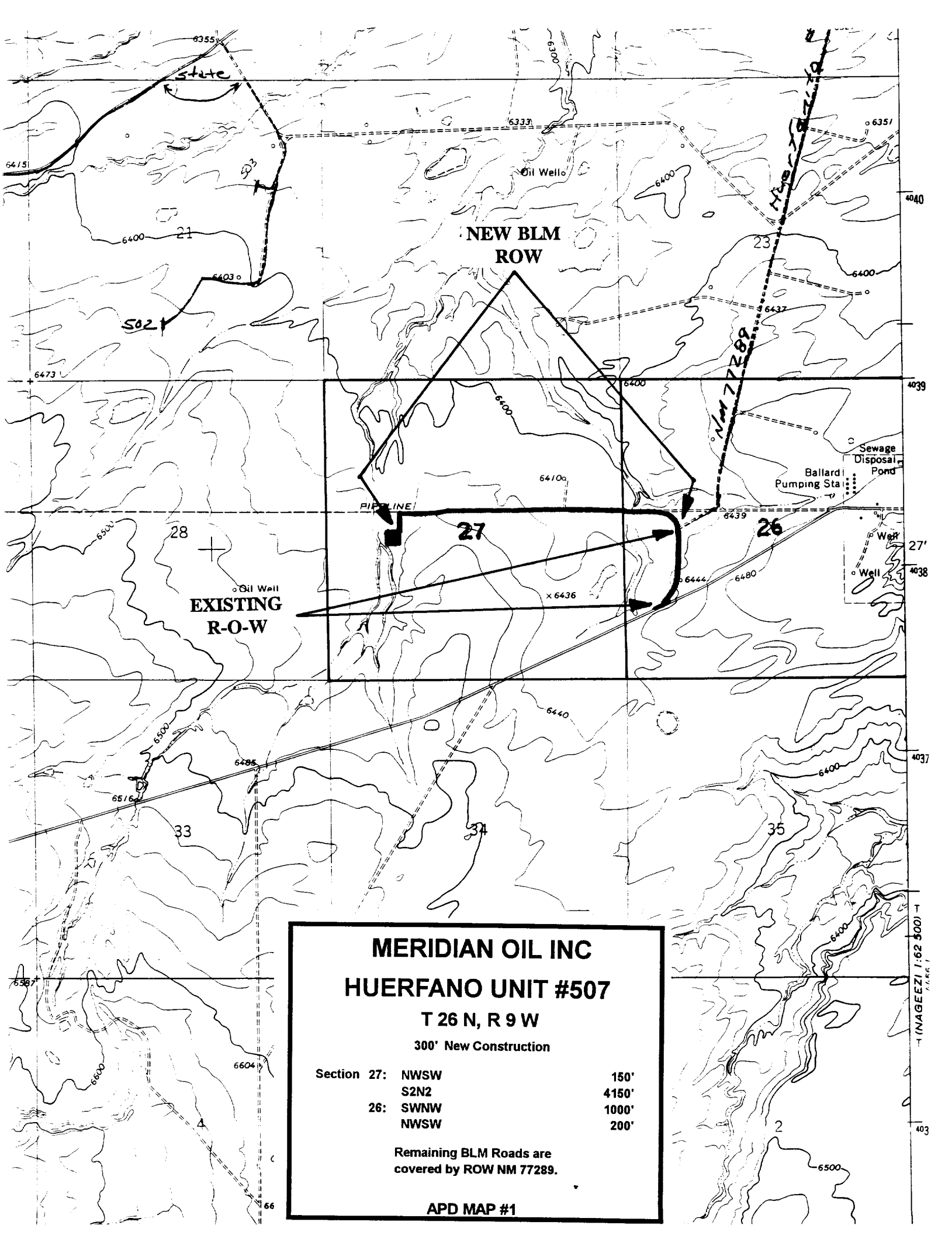
Tubing Program:

0 - 2215'	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 @ 1266'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1266'. 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 #507

T 26 N, R 9 W

300' New Construction

Section 27:	NWSW	150'
	S2N2	4150'
26:	SWNW	1000'
	NWSW	200'

Remaining BLM Roads are
covered by ROW NM 77289.

APD MAP #1