

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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94 SEP -7 AM 10:31

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

070 EAST WINDY, NM

1a. Type of Work DRILL	RECEIVED SEP 21 1994	5. Lease Number NM-01051
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 44538	OIL CON. DIV. DIST. 3	7. Unit Agreement Name Huerfano Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 7139 Huerfano Unit 9. Well Number 522
4. Location of Well 1375' FNL, 1835' FEL Latitude 36° 32' 07", Longitude 107° 49' 34"		10. Field, Pool, Wildcat 71629 Basin Ft Coal 11. Sec., Twn, Rge, Mer. G Sec 31, T-27-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 1375'	API #: 30-045-29185	
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 1750'		
19. Proposed Depth 2400'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6403' GR	22. Approx. Date Work will Start 4th quarter 1994	
23. Proposed Casing and Cementing Program See Operations Plan attached This action is with 7139 FEL and procedural ruling pursuant to 43 CFR 3105.3 and appeal pursuant to 43 CFR 3105.4.	ORDERING OFFICER IS AUTHORIZED AND SUBJECT TO BLM POLICY WITH ATTACHED "GENERAL REG. INSTRUCTIONS" 9/7/94	
24. Authorized by: 	Date	

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

Archaeological Report submitted by Arboles Contract Arch. Technical Report #588 dated 07-22-94
Threatened and Endangered Species Report submitted by Ecosphere Environmental Services dated 08-14-94
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

**APPROVED
AS AMENDED**

SEP 15 1994


DISTRICT MANAGER

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

070 FARMINGTON, NM AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-29185	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 1142	⁵ Property Name Huerfano Unit	⁶ Well Number 522
⁷ GRID No. 14538	⁸ Operator Name Meridian Oil Inc.	⁹ Elevation 6403'

¹⁰ Surface Location

UL or lot no. G	Section 31	Township 27N	Range 9W	Lot Idn	Feet from the 1375	North/South line North	Feet from the 1835	East/West line East	County S.J.
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 1332.54'	1313.40'	2626.14'	17 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 Title Date 9-6-94
2 OIL CON. DIV. DIST. 3	1375'	1835'	18 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 of Survey Signature and Seal of Registered Surveyor 6857 Certificate Number
3 USA NM NM-01051	5278.68'	5239.08'	
4 USA SF-078007	1370.16'	1310.76'	2622.18'

OPERATIONS PLAN

Well Name: Huerfano Unit #522
Location: 1375'FNL, 1835'FEL, Section 31, T-27-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 32' 07", Longitude 107° 49' 34"
Formation: Basin Fruitland Coal
Elevation: 6403'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1270'	
Ojo Alamo	1270'	1435'	aquifer
Kirtland	1435'	1972'	
Fruitland	1972'	2231'	
Pictured Cliffs	2231'		
Total Depth		2400'	

Logging Program: Mud logs: 1650' to TD
 Dens/Neut/Por; Density/Corr; Micro/GR; Numar MR: 1650-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
200-2400'	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 - 2400'	4 1/2"	10.5#	K-55

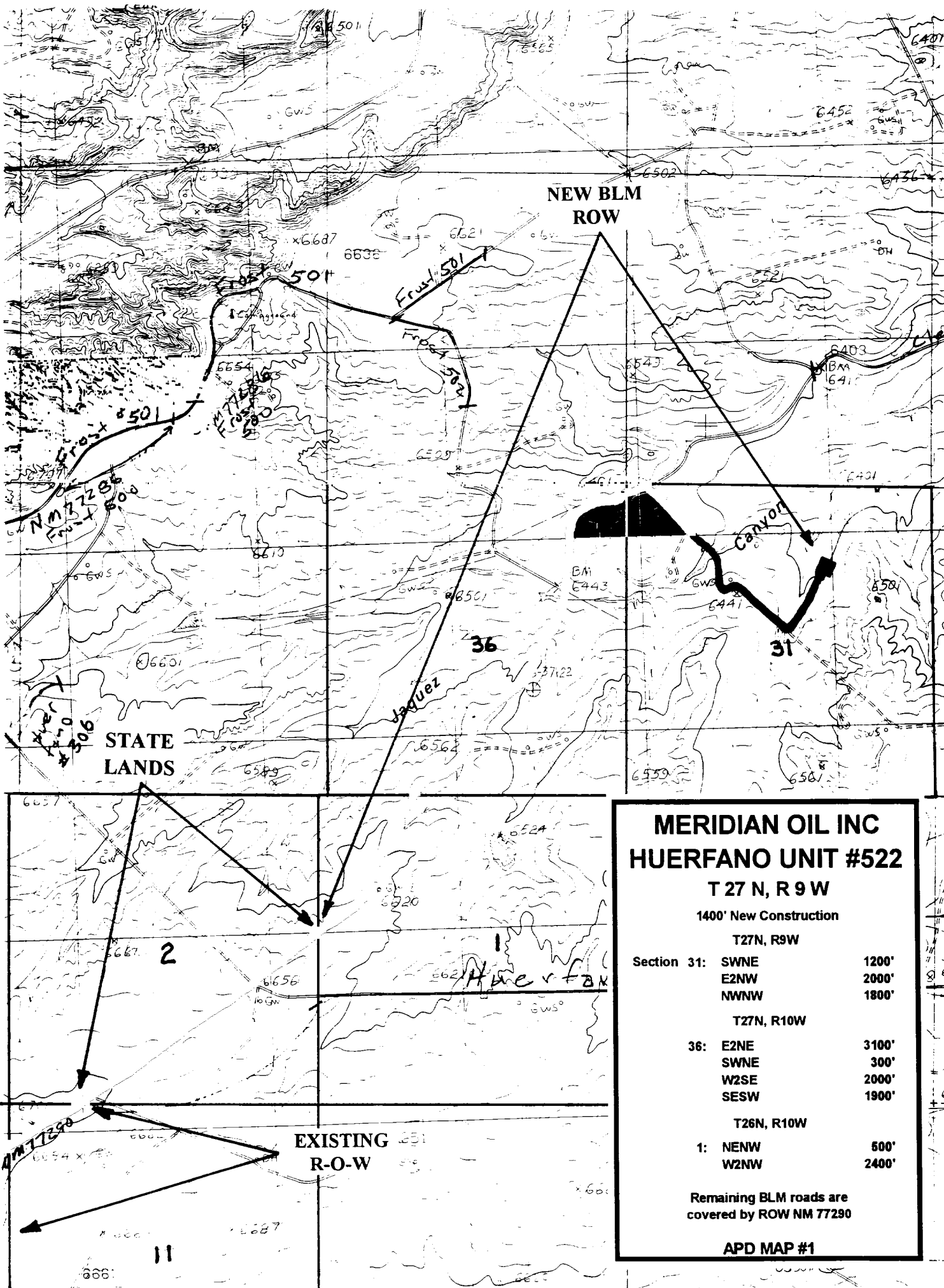
Tubing Program:

0 - 2400'	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 @ 1435'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1435'. 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 #522**

T 27 N, R 9 W

1400' New Construction

T27N, R9W

Section 31:	SWNE	1200'
	E2NW	2000'
	NWNW	1800'

T27N, R10W

36:	E2NE	3100'
	SWNE	300'
	W2SE	2000'
	SESW	1900'

T26N, R10W

1:	NENW	500'
	W2NW	2400'

Remaining BLM roads are
covered by ROW NM 77290

APD MAP #1