


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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BLM

94 SEP -7 AM 10:31

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

070 FARMINGTON, NM

1a. Type of Work DRILL	<b>RECEIVED</b> SEP 21 1994	5. Lease Number SF-077980
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator <b>MERIDIAN OIL OIL CON. DIV.</b> <b>14538</b> <b>DIST. 3</b>	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 <b>7139</b> Huerfano Unit	
	9. Well Number 520	
4. Location of Well 1430' FNL, 865' FEL  Latitude 36° 29' 30", Longitude 107° 48' 18"	10. Field, Pool, Wildcat <b>71629</b> Basin Ft Coal.	
	11. Sec., Twn, Rge, Mer. <b>H</b> Sec 17, T-26-N, R-9-W NMPM	
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 865'	<b>API #: 30-045-29184</b>	
16. Acres in Lease	17. Acres Assigned to Well 320 E/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2000'		
19. Proposed Depth 2350'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6418' GR	22. Approx. Date Work will Start 4th quarter 1994	
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	Date <b>9/7/94</b>	

This action is subject to technical and  
procedural review pursuant to 43 CFR 3105.3  
and appeal pursuant to 43 CFR 3105.4.

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Archaeological Report submitted by Arboles Contract Arch. Technical Report #590 dated 07-21-94  
Threatened and Endangered Species Report submitted by Ecosphere Environmental Services dated 08-21-94  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

**APPROVED  
AS AMENDED**

**SEP 15 1994**  
**DISTRICT MANAGER**

MMOCD

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

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OIL CONSERVATION DIVISION  
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Form C-107  
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 APT Number 30-045-24184		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal	
4 Property Code 7139		5 Property Name Huerfano Unit			6 Well Number 520
7 GRID No. 14538		8 Operator Name Meridian Oil Inc.			9 Elevation 6418'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	26N	9W		1430	North	865	East	S.J.

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

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 5210.04 RECEIVED SEP 21 1994 OIL CON. DIV. DIST. 3 5288.58'				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 8-29-94 Date			
17 1430' 865'				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 7-9 Date of Survey Signature and Seal of Professional Surveyer 6857 Certificate Number			
USA SF-077980 5222.58'				REGISTERED LAND SURVEYOR NEW MEXICO 6857			

OPERATIONS PLAN

**Well Name:** Huerfano Unit #520  
**Location:** 1430'FNL, 865'FEL, Section 17, T-26-N, R-9-W  
 San Juan County, New Mexico  
 Latitude 36° 29' 30", Longitude 107° 48' 18"  
**Formation:** Basin Fruitland Coal  
**Elevation:** 6418'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1140'	
Ojo Alamo	1140'	1370'	aquifer
Kirtland	1370'	1795'	
Fruitland	1795'	2118'	
Pictured Cliffs	2118'		
Total Depth	2350'		

**Logging Program:** Mud logs: 1700' 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
200-2350'	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 - 2350'	4 1/2"	10.5#	K-55

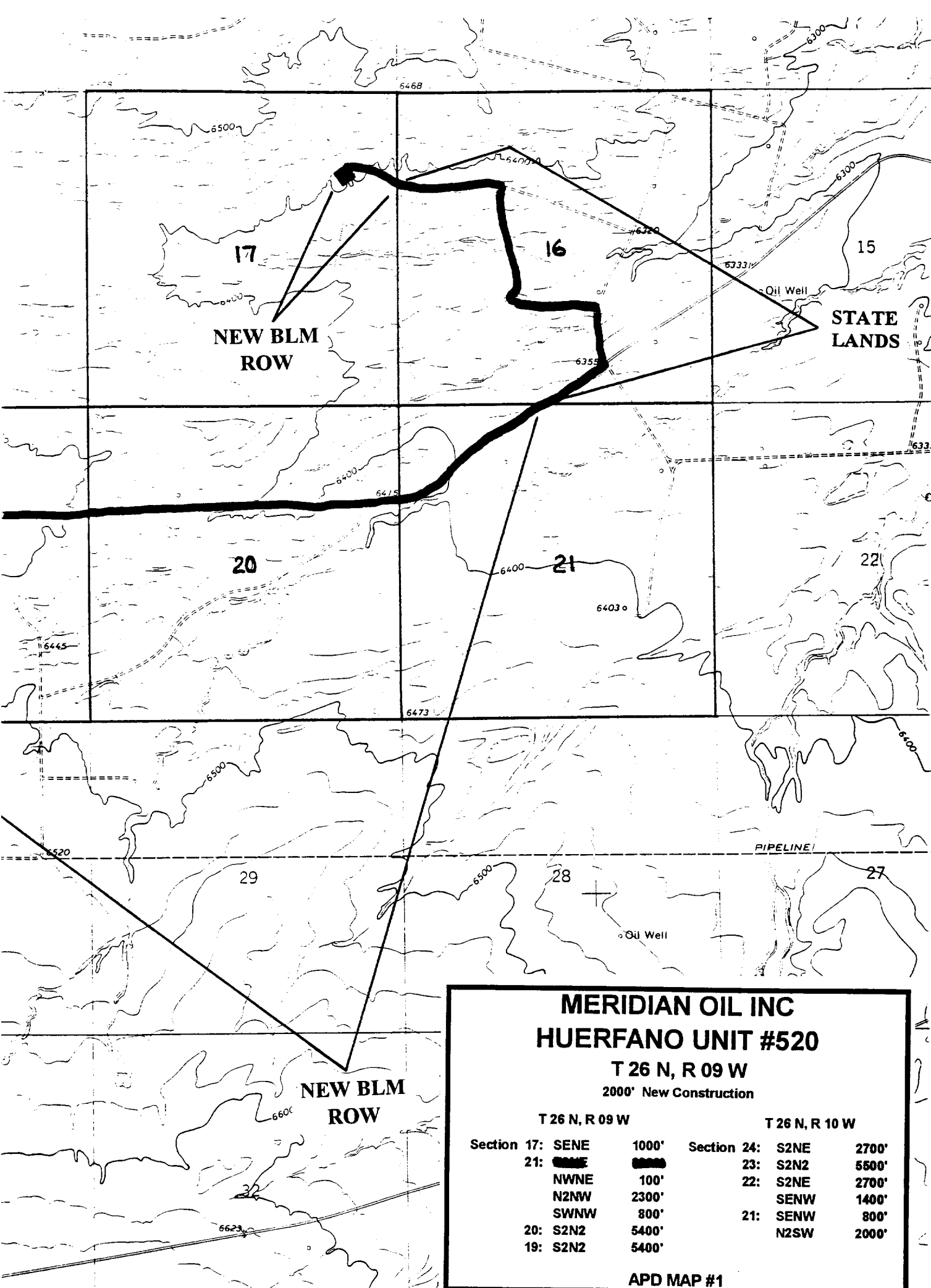
**Tubing Program:**

0 - 2350'	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 @ 1370'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1370'. 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 #520**

**T 26 N, R 09 W**  
2000' New Construction

**T 26 N, R 09 W**

Section 17:	SENE	1000'
21:	<del>SENE</del>	<del>1000'</del>
	NWNE	100'
	N2NW	2300'
	SWNW	800'
20:	S2N2	5400'
19:	S2N2	5400'

**T 26 N, R 10 W**

Section 24:	S2NE	2700'
23:	S2N2	5500'
22:	S2NE	2700'
	SENE	1400'
21:	SENE	800'
	N2SW	2000'

**APD MAP #1**