


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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94 SEP -7 AM 10:32

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-078060A	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator MERIDIAN OIL 14538	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 510	
4. Location of Well 1630' FSL, 1645' FEL Latitude 36° 27' 24", Longitude 107° 47' 25"	10. Field, Pool, Wildcat 71629 Basin Ft Coal 11. Sec., Twn, Rge, Mer. J Sec 28, 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 1630'	API #: 30-045-29176 ✓	
16. Acres in Lease	17. Acres Assigned to Well 320 S/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 300'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 2300'	22. Approx. Date Work will Start 4th quarter 1994	
21. Elevations (DF, FT, GR, Etc.) 6476' GR		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Regional Drilling Engineer	9/7/94 Date	

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

Archaeological Report submitted by Arboles Contract Arch. Technical Report #587 dated 07/26/94
Threatened and Endangered Species Report submitted by Ecosphere Environmental Services dated 08/04/94
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED
AS AMENDED

SEP 09 1994

STEPHEN JASON
DISTRICT MANAGER

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravos 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

API Number 30-045-29176		Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 7142 7139	Property Name Huerfano Unit		Well Number 510
OGUID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 6476'

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
J	28	26 N	9 W		1630	South	1645	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

Dedicated Acres 320	Joint or Infill	Consolidation Code	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	5208.06	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Peggy Bradfield</u> Printed Name <u>Peggy Bradfield</u> Regulatory Representative Title <u>8-23-94</u> Date
5274.72	28	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 <u>7-6-94</u> Signature and Seal of Professional Surveyer 6857 Certificate Number
USA SF-078060 A	1645'	
1630'		
5215.98		

September 6, 1994

OPERATIONS PLAN

Well Name: Huerfano Unit #510
Location: 1630'FSL, 1645'FEL, Section 28, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 27' 24", Longitude 107° 47' 25"
Formation: Basin Fruitland Coal
Elevation: 6476'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1116'	
Ojo Alamo	1116'	1281'	aquifer
Kirtland	1281'	1818'	
Fruitland	1818'	1897'	
Pictured Cliffs	1897'		
Total Depth	2300'		

Logging Program: Mud logs: 1700' to TD
 Dens/Neut/Por;Density/Corr;Micro/GR;Numar MR: 1300-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
200-2300'	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 - 2300'	4 1/2"	10.5#	K-55

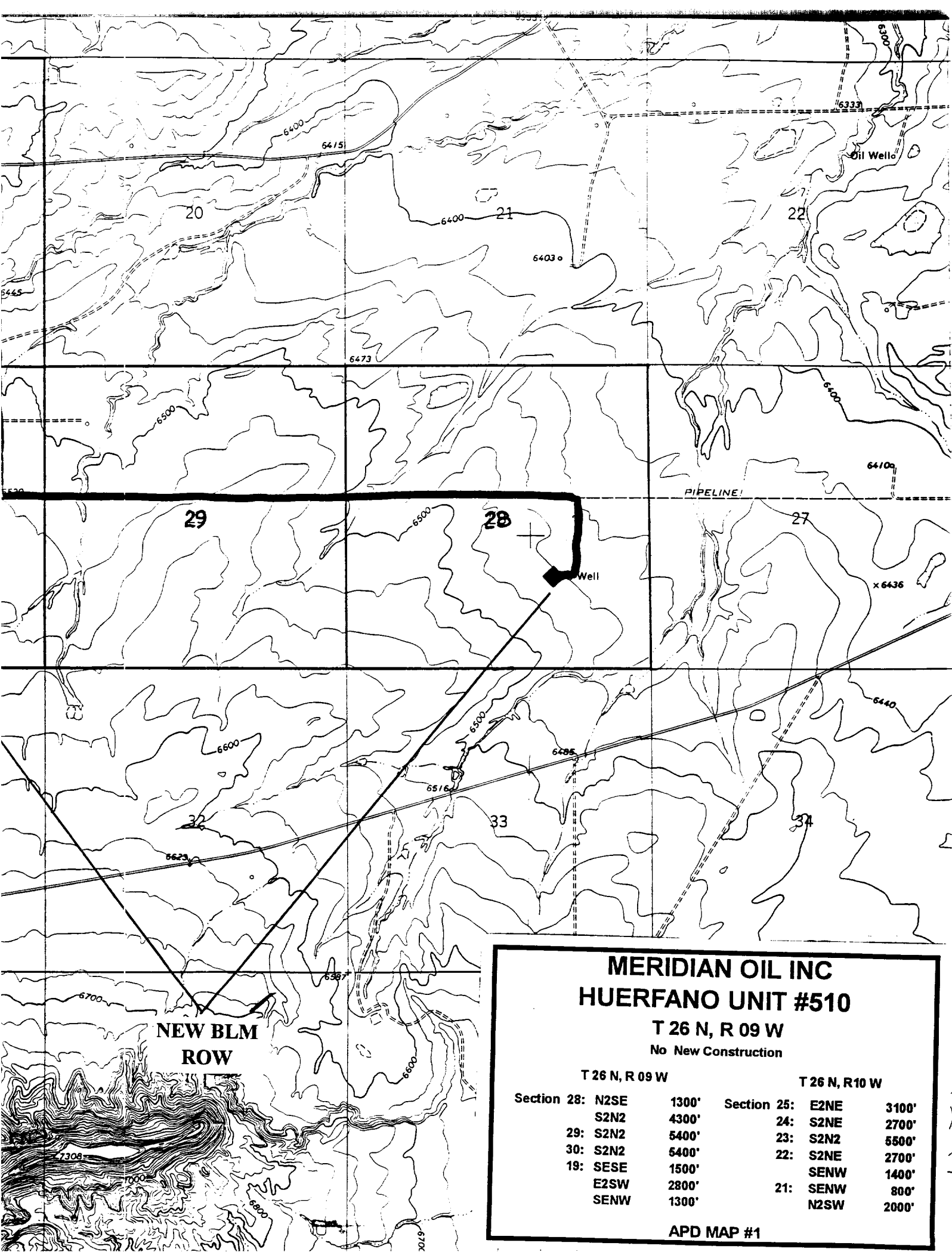
Tubing Program:

0 - 2300'	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 @ 1281'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1281'. 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 #510**

T 26 N, R 09 W

No New Construction

T 26 N, R 09 W

Section 28:	N2SE	1300'
	S2N2	4300'
29:	S2N2	5400'
30:	S2N2	5400'
19:	SESE	1500'
	E2SW	2800'
	SESW	1300'

T 26 N, R 10 W

Section 25:	E2NE	3100'
24:	S2NE	2700'
23:	S2N2	5500'
22:	S2NE	2700'
	SESW	1400'
21:	SESW	800'
	N2SW	2000'

APD MAP #1