

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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30-045-290111
NOV-2 AM 11:32

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED NOV 1 0 1993	5. Lease Number NM-03493
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 14538	OIL CON. DIV. 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 500
4. Location of Well 1170' FSL, 805' FWL Latitude 36° 28' 11", Longitude 107° 49' 07"		10. Field, Pool, Wildcat Basin Fruitland Coal 71629 11. Sec., Twn, Rge, Mer. M Sec 20, 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 805'	17. Acres Assigned to Well 320 S/2	
16. Acres in Lease 1772.740	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2000'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 2335'	22. Approx. Date Work will Start 4th quarter 1993	
21. Elevations (DF, FT, GR, Etc.) 6492' GR		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>[Signature]</u> Regional Drilling Engineer	Date <u>10-25-93</u>	

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

APPROVED
AS AMENDED

Archaeological Report submitted by Arboles Contract Archaeology Technical Report #321 09-09-93
Threatened and Endangered Species Report to be submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NOV 05 1993
DISTRICT MANAGER

Schedule to Applicants
District Office
State Leases - 4 copies
Fee Leases - 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

58 NOV -2 AM 11:32

070 TWIN LAKES, NM

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

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

DISTRICT III
1000 Rio Brazos 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. 500
Unit Letter M	Section 20	Township 26 North	Range 9 West	County San Juan
Actual Footage Location of Well: 1170 feet from the South line and 805 feet from the West line				
Ground level Elev. 6492'	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.

5222.58'

RECEIVED

NOV 1 0 1993

OIL CON. DIV.
DIST. I

20

USA NM 03493

USA SF078000A

805'

1170'

5229.18'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Bradford
Signature

Peggy Bradford

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.

8-31-93

Date Surveyed

C. Edwards
Needle

Signature of Surveyor
Professional Surveyor

3857

Case No.

6857

October 24, 1993

OPERATIONS PLAN

Well Name: Huerfano Unit #500
Location: 1170'FSL, 805'FWL, Section 20, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 28' 11", Longitude 107° 49' 07"
Formation: Basin Fruitland Coal
Elevation: 6492'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1126'	
Ojo Alamo	1126'	1289'	aquifer
Kirtland	1289'	1807'	
Fruitland	1807'	2036'	gas
Fruitland Coal	1865'	2034'	gas
Pictured Cliffs	2036'		
Total Depth	2335'		

Logging Program: Mud logs from 1750' 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
200-2335'	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 - 2335'	4 1/2"	10.5#	K-55

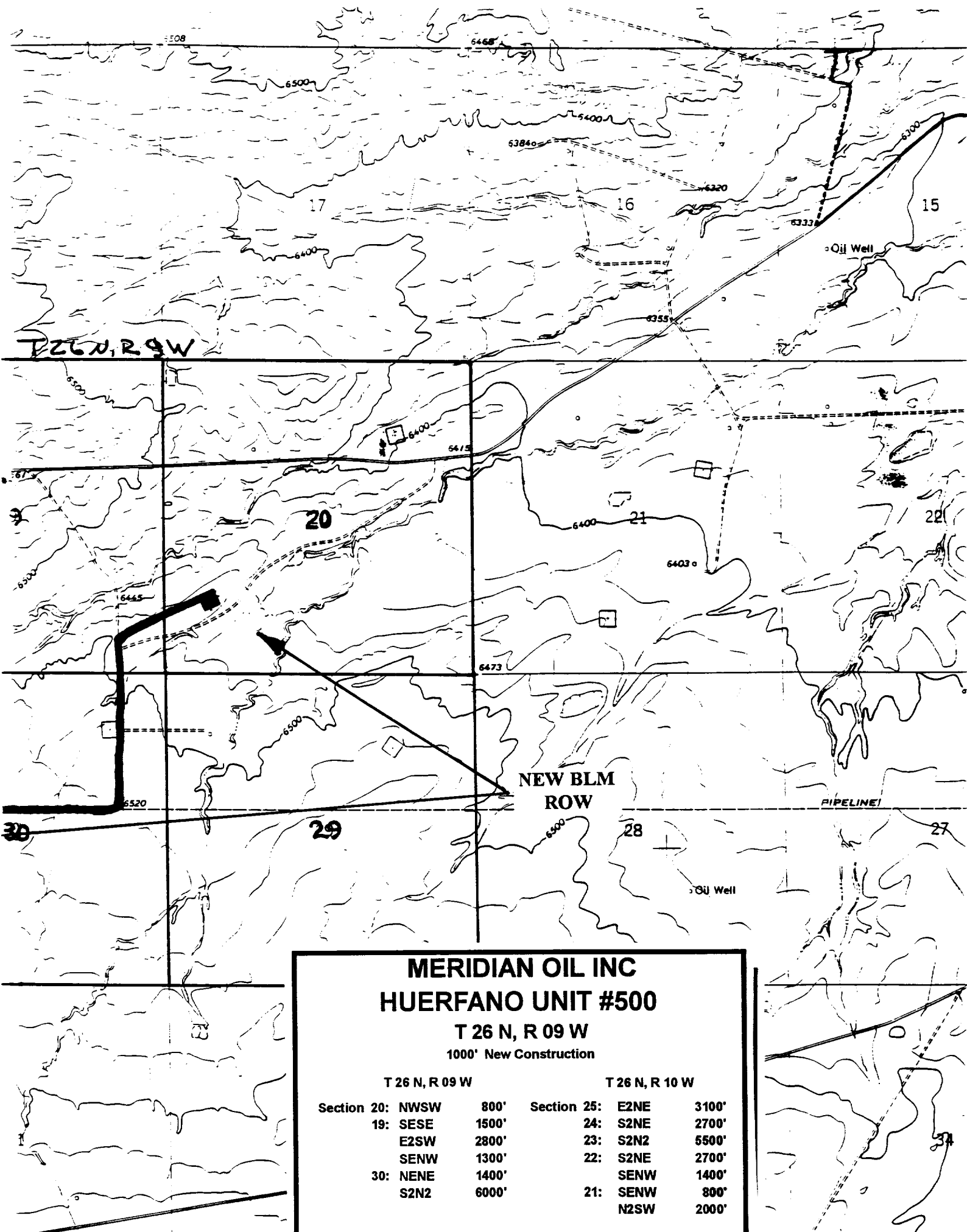
Tubing Program:

0 - 2335'	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 @ 1289'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1289'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

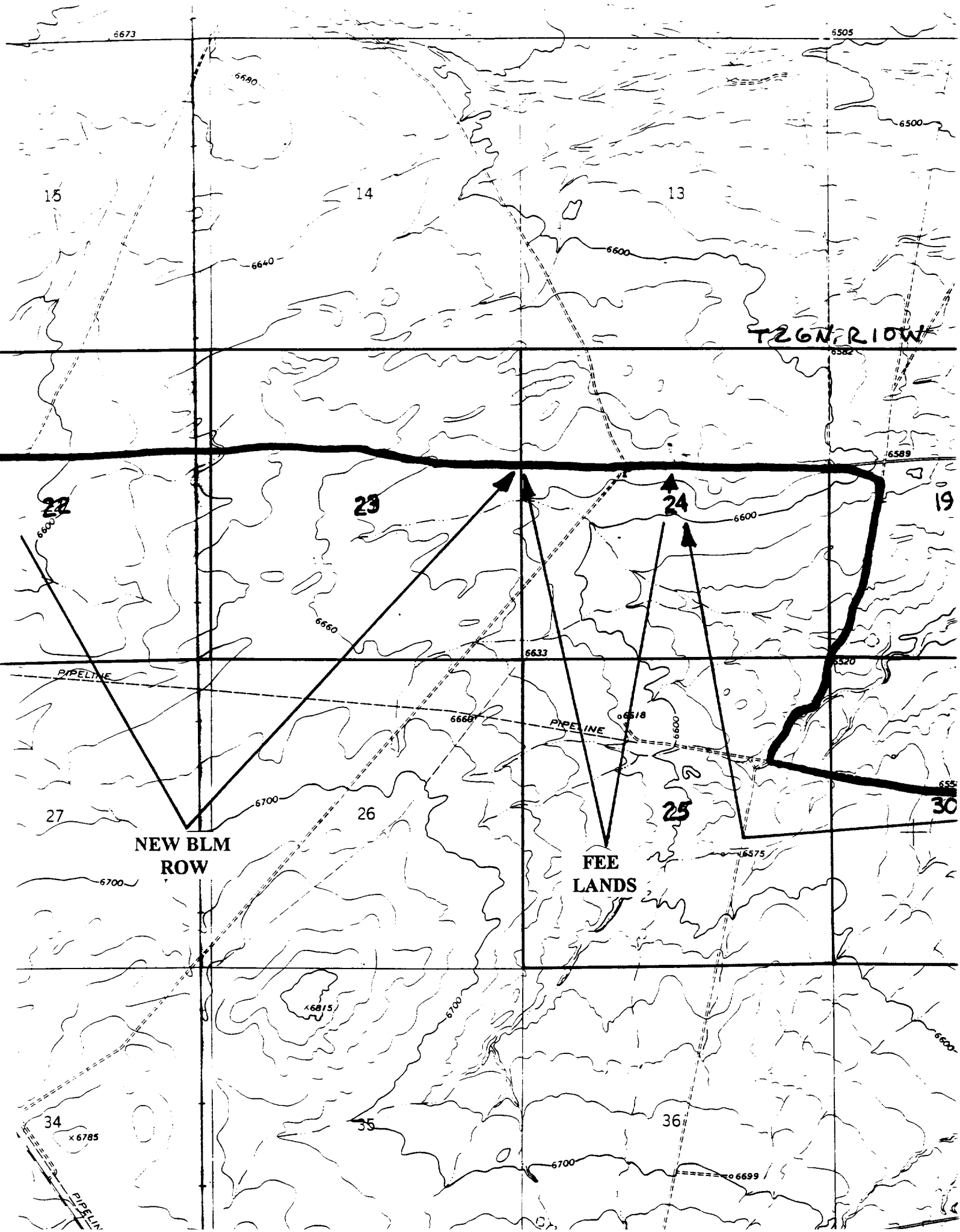
Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 2000 psi xmas tree assembly.

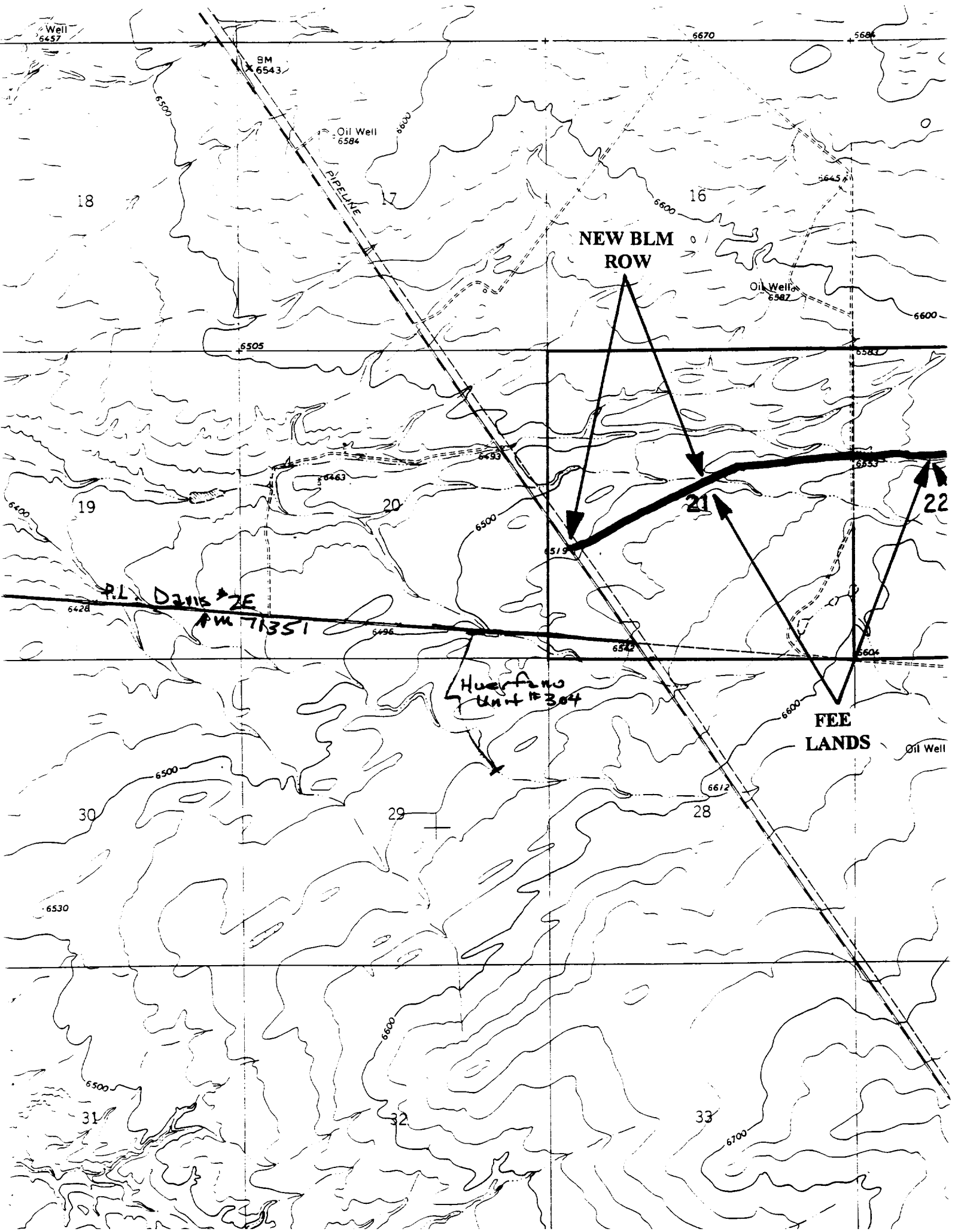


MERIDIAN OIL INC
HUERFANO UNIT #500

T 26 N, R 09 W
1000' New Construction

T 26 N, R 09 W		T 26 N, R 10 W	
Section 20:	NWSW 800'	Section 25:	E2NE 3100'
19:	SESE 1500'	24:	S2NE 2700'
	E2SW 2800'	23:	S2N2 5500'
	SENW 1300'	22:	S2NE 2700'
30:	NENE 1400'		SENW 1400'
	S2N2 6000'	21:	SENW 800'
			N2SW 2000'





Well
6457

BM
6543

Oil Well
6584

6670

6584

18

16

6645

Oil Well
6587

6600

6505

6584

19

20

21

22

P.L. Davis * 2E

PM 71351

Huerfano
Unit # 304

FEE
LANDS

Oil Well

30

29

28

6530

6612

31

32

33

6700