

30-45-27511
OCT 1 9 1989

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL 1b. TYPE OF WELL GAS 2. OPERATOR MERIDIAN OIL INC. 3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499 4. LOCATION OF WELL 1450'S 1555'W	5. LEASE NUMBER SF-078316D 6. IF INDIAN, ALL. OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME WOODRIVER 9. WELL NO. 1R 10. FIELD, POOL, OR WILDCAT BLANCO MESA VERDE 11. SEC. T. R. M OR BLK. SEC. 5 T30N R09W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 10 MILES FROM AZTEC, NM	12. COUNTY SAN JUAN 13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 1450'	16. ACRES IN LEASE 320.60 17. ACRES ASSIGNED TO WELL 320.60
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 500' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 5870' 20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6420'GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <u>Regulatory Affairs</u>	<u>10-2-89</u> DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3

OCT 12 1989
AREA MANAGER

Submit to Asst. Secretary
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

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, Artesia, 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 Woodriver (SF-078316D)		Well No. 1R
Unit Letter A	Section 5	Township 30 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 1450 feet from the South line and 1555 feet from the West line					
Ground level Elev. 6420'		Producing Formation Mesa Verde		Pool Blanco	Dedicated Acreage: 320.60 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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

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, forced-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 best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

10-2-89

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, 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.

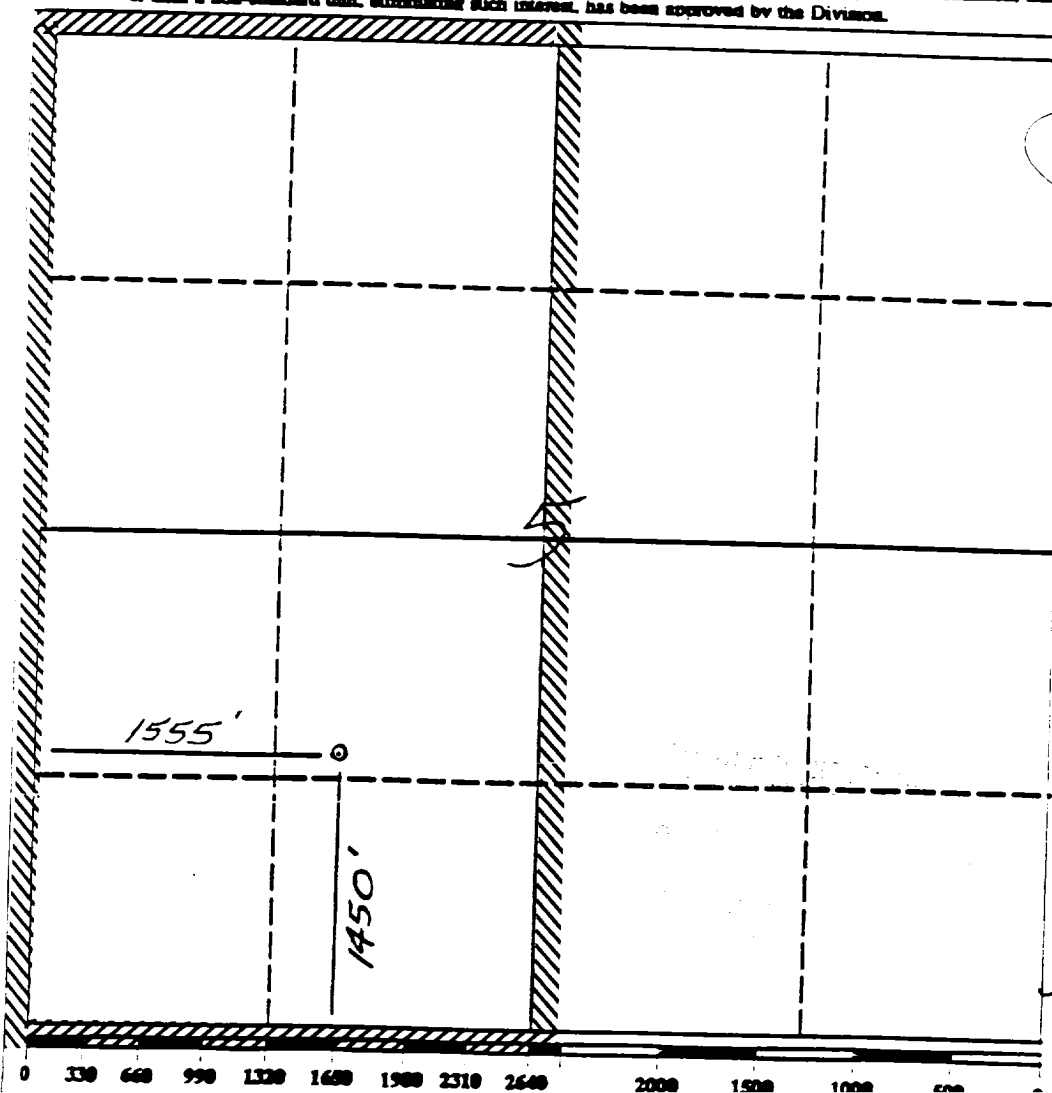
Date Surveyed

Neale C. Edwards

Signature of Sealed Professional Surveyor

Certificate No.

6857



OPERATIONS PLAN

Well Name - Woodriver #1R

Date: 02-Oct-89

I. Location: NESW 05-30-09

San Juan County, NM

Field: BLANCO MESA VERDE

Elevation: 6420 'GL

II. Geology:

A. Formation Tops:	San Jose	Surface	Chacra	3945 '
	Ojo Alamo	2390 '	Mesa Verde	4805 '
	Kirtland	2490 '	Menefee	4990 '
	Fruitland	2805 '	Pt. Lookout	5400 '
	Pictured Cliffs	3145 '	Intermediate TD	3420 '
	Lewis	3220 '	Total Depth	5870 '

B. Logging Program: Inter Depth logs: NONE
Total Depth Logs: GR-IND, D, N, TEMP.

C. Coring: None

D. Natural Gauges: 3935 4795 4980 5390 5600
5870 , Also gauge any noticeable increase in gas.
Record all gauges in IADC daily drilling report and
on MERIDIAN OIL morning report.

III. Drilling:

A: Mud Program: Mud from surface to 3420 '. Gas from intermediate casing to Total Depth.

IV. Materials:

A. Casing Program:	Hole Size	Depth	Csg. Size	Weight	Grade
	12 1/4"	200	9 5/8"	32.3#	H-40
	8 3/4"	3420	7"	20.0#	K-55
			7"	23.0#	K-55
	6 1/4"	3270 - 5870	4 1/2"	10.5#	K-55

B. Float Equipment: 9 5/8" surface casing - Saw Tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve.
Five centralizers run every other joint above shoe. Run float two joints above the guide shoe.

4 1/2" production casing - liner hanger with neoprene packoff. Cement nose guide shoe and float collar run above a 6' shoe joint.

C. Tubing: 5870 of 2 3/8", 4.7#, J-55 8rd EUE tubing with a seating nipple one joint off bottom and expendable check valve on bottom.

D. Wellhead Equipment: 9 5/8" x 11" 2000 psi xmas tree assembly.

