

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078129
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME PIERCE
4. LOCATION OF WELL 1110' N 1775' W 1600 1615	9. WELL NO. 1R
10. FIELD, POOL, OR WILDCAT BLANCO MESA VERDE	11. SEC. T. R. M OR BLK. SEC. 17 T30N R09W NMPM
12. COUNTY SAN JUAN	13. STATE NM
14. DISTANCE IN MILES FROM NEAREST TOWN 6 miles from Aztec	15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 1110'
16. ACRES IN LEASE 74.85	17. ACRES ASSIGNED TO WELL N/ 320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE. 350'	19. PROPOSED DEPTH 5780'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6335' GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM

RECEIVED

NOV 08 1989

OIL CON. DIV.

DIST. 3

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

"Approval of this action does not warrant that the applicant holds legal or equitable rights or title to this lease."

*SEE OPERATIONS PLAN

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

24. AUTHORIZED BY: *[Signature]*
REGULATORY AFFAIRS

8-23-89
DATE

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

APPROVED
AS AMENDED

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

NOV 08 1989

AREA MANAGER

NMOOD

Hold 6104 for 051
OK

Submit to Appropriate
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

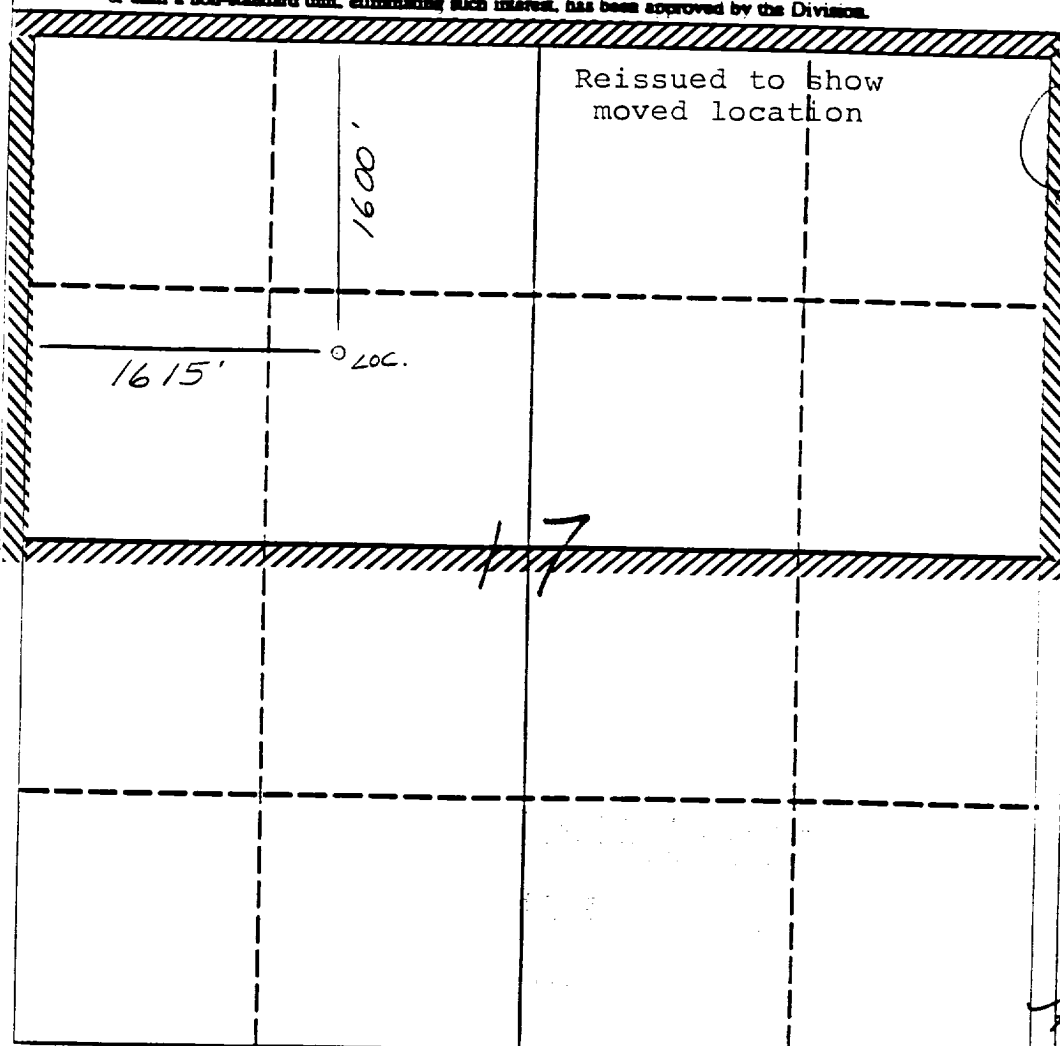
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Pierce (SF-078129)		Well No. 1R
Unit Letter F	Section 17	Township 30 North	Range 9 West	County San Juan
Actual Footage Location of Well: 1600 feet from the North line and 1615 feet from the West line				
Ground level Elev. 6336'	Producing formation Mesa Verde		Pool Blanco	Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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.

Signature
Peggy Bradfield

Printed Name
Peggy Bradfield

Position
Regulatory Affairs

Company
Meridian Oil Inc.

Date
10-18-89

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 as correct to the best of my knowledge and belief.

Date Surveyed
10-18-89

Signature of Seal of
Professional Surveyor
Neale C. Edwards

Certificate No.
6857

6857

6857

6857

OPERATIONS PLAN

Well Name - PIERCE #1R
I.Location: NW 17-30-09

San Juan County, NM

Date: 08-Sep-89

Field: BLANCO MESA VERDE

Elevation: 6335 'GL

II. Geology:

A. Formation Tops:	Animas	Surface	Chacra	4097 '
	Ojo Alamo	1722 '	Mesa Verde	4660 '
	Kirtland	1876 '	Menefee	4860 '
	Fruitland	2678 '	Pt. Lookout	5280 '
	Pictured Cliffs	3013 '	Intermediate TD	3400 '
	Lewis	3183 '	Total Depth	5780 '

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

C. Coring: None

D. Natural Gauges: 4087 4650 4850 5270 5480
5780 , 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 3400 '. 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"	3400	7"	20.0#	K-55
			7"	23.0#	K-55
	6 1/4"	5780	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: 5780 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.

