

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL

1b. TYPE OF WELL

2. OPERATOR
MERIDIAN OIL INC.

3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499

4. LOCATION OF WELL
1110'N 1835'E

5. LEASE NUMBER
NM-011393

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
CLEVELAND

9. WELL NO.
222

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.
SEC. 20 T27N R09W NMPM

12. COUNTY
SAN JUAN

13. STATE
NM

14. DISTANCE IN MILES FROM NEAREST TOWN
20 miles S. of Blanco NM

15. DISTANCE FROM
PROPOSED LOCATION 1110'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE
1280

17. ACRES ASSIGNED TO WELL
E/ 320.00

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 800'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH
2248'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6408'GL

22. APPROX. DATE WORK WILL START

RECEIVED
JUN 6 1989
OIL CON. DIV.

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

23. PROPOSED CASING AND CEMENTING PROGRAM

"Approval of this action does not constitute an approval of the applicant's operations plan or title to this lease."

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

24. AUTHORIZED BY: *Debra Bradford*
REGULATORY AFFAIRS

5-18-89
DATE

APPROVED
AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

NMOCD

JUN 01 1989
AREA MANAGER

Well Name: 222 CLEVELAND 1110'N 1835'E
 Sec. 20 T27N R09W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6408'GL

Formation tops: Surface- Nacimiento
 Ojo Alamo- 1317
 Kirtland- 1465
 Fruitland- 2015
 Fruitland Coal Top- 2083
 Fruitland Coal Base- 2247
 Intermediate TD- 2063
 Total Depth- 2248
 Pictured Cliffs- 2253

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2063	Non-dispersed	8.4 - 9.1	30-60	no control
	2063 - 2248	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 2063	7"	20.0#	K-55
	6 1/4"	2013 - 2248	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2248	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

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

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 100 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 310 cu ft. of slurry, of sufficient volume to circulate to surface. As necessary, run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

Submit to Appropriate
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

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

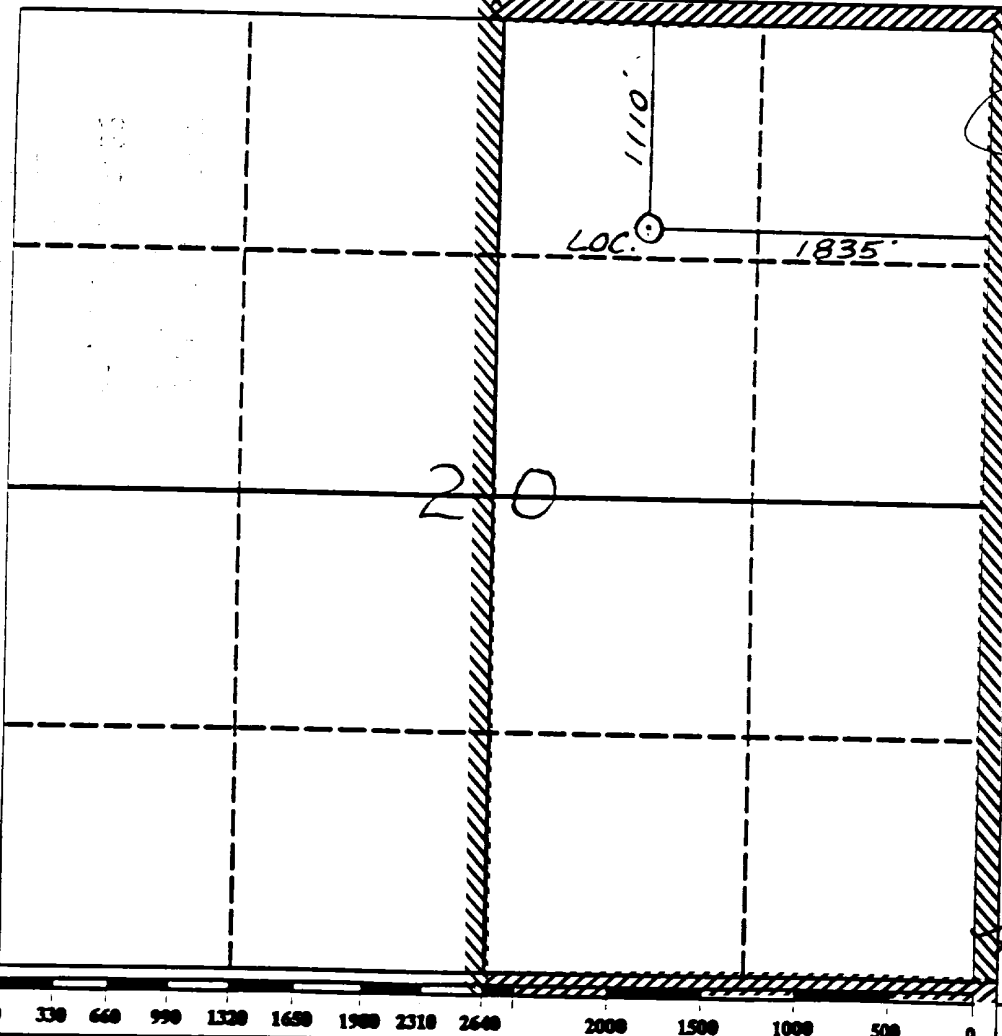
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Cleveland (NM-011393)		Well No. 222
Unit Letter B	Section 20	Township 27 North	Range 9 West	County NMPM	San Juan
Actual Footage Location of Well: 1110 feet from the North line and 1835 feet from the East line					
Ground level Elev. 6408		Producing Formation Fruitland Coal		Pool Basin	
Dedicated Acreage: 320.0					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 the best of my knowledge and belief.

Signature
Peggy Bradfield

Printed Name
Regulatory Affairs

Position
Meridian Oil Inc.

Company
5-17-89

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.

Date Surveyed
Neale C. Edwards
Professional Surveyor

6857

BLM ROW
CLEVELAND 222
T27N, R9W

Section 20: E2NW
NESW

2100'
1000'

BLM
ROW
19

NMO 11393

20

21

30

29

28

Applied
For ROW

Map 2

31

32

33

Huerfano
Peak