

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
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

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☒

7. Lease Name or Unit Agreement Name

NORTH LINDRITH 23

2. Name of Operator

MESA GRANDE RESOURCES, INC. 14656

8. Well No.

North Lindrith 23 #1 20472

3. Address of Operator

1200 Philtower Building, Tulsa, Oklahoma 74103

9. Pool name or Wildcat

Wildcat Chacra/Wildcat Mesa Verde

4. Well Location

Unit Letter H : 1610 Feet From The North Line and 890 Feet From The East Line

Section 23 Township 25 North Range 2 West NMPM Rio Arriba County

10. Proposed Depth

6200

11. Formation

Mancos

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

7426' GR

14. Kind & Status Plug Bond

Single Well Cash Bond

15. Drilling Contractor

Four Corners Drlg

16. Approx. Date Work will start

January 25, 1989

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9 5/8"	36#	300'+	150 (180 ft <sup>3</sup> )	Surface
7 7/8"	4 1/2"	10.5#	6200'+	1150 (1600 ft <sup>3</sup> )	2000'

PROPOSED PROGRAM:

- Proposed well will be drilled through the Mesa Verde formation and will evaluate the hydrocarbon potential of the Mesa Verde and Chacra zones. Completion program will be determined at total depth after log analysis.
- A BOP will be installed after surface casing is set and cemented. Prior to drilling out from under surface, BOP will be tested to 500 # S.P. All subsequent work will be conducted through BOP.
- Drilling mud will be low solid non-dispersed; 50-55 visc., 8.5-9.2 lbs.
- If well is found to be non-productive, all water zones and zones with hydrocarbon shows will be bridged and cemented prior to plugging the well.
- Cementing. 1st - T.D. to 3800'+ 915 ft<sup>3</sup> 65/35 poz w/6% gel, 1/4# D-29 Cello Flake and 10% salt. Tail in w/950 ft<sup>3</sup> RFC. TOC 3800'+; 2nd - 3800' to 2000'+ DV tool at 3600' w/685 ft<sup>3</sup> 65/35 poz w/6% gel, 1/4# D-29 Cello Flake, 10% salt. Tail in w/465 ft<sup>3</sup> RFC. NE/4 OF SEC. 23, T25N-R2W, IS DEDICATED TO THIS WELL.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE

Alan P. Emmendorfer

TITLE Geologist

DATE 1/18/89

TYPE OR PRINT NAME

Alan P. Emmendorfer

TELEPHONE NO.

(This space for State Use)

APPROVED BY

Ernie Burch

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

JAN 20 1989

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 7-20-89  
UNLESS DRILLING IS COMMENCED.  
SPED NOTICE MUST BE SUBMITTED  
WD

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

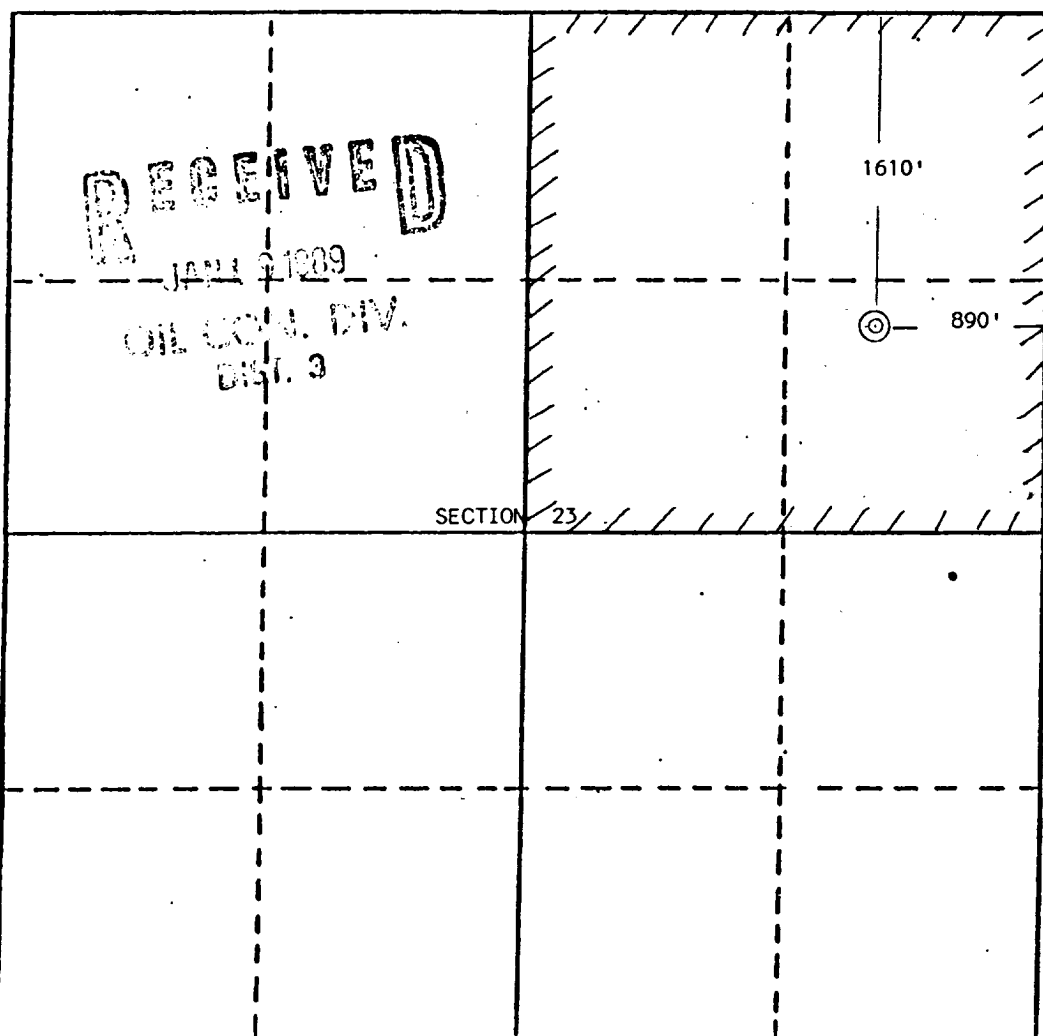
Operator Mesa Grande Resources, Inc.			Lease North Lindrith 23. <i>20472</i>		Well No. 1
Unit Letter H	Section 23	Township 25 North	Range 2 West	County Rio Arriba	
Actual Footage Location of Well: 1610 feet from the North line and 890 feet from the East line					
Ground Level Elev. 7426	Producing Formation Chacra/Mesa Verde	Pool Wildcat Chacra/Wildcat Mesa Verde		Dedicated Acreage 160 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 interests 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 interests, has been approved by the Division.



## CERTIFICATION

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

*Alan P. Emmendorfer*  
Name

Geologist

Position

Mesa Grande Resources, Inc.

Company

January 18, 1989

Date

*Edgar L. Risenhoover*  
I have personally located the location shown on this plat was obtained from field notes of a survey 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

January 17, 1989

Registered Professional Engineer  
and/or Land Surveyor

*Edgar L. Risenhoover*

Certificate No. 5979

Edgar L. Risenhoover, L.S.