

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

MESA GRANDE RESOURCES, INC.

3. ADDRESS OF OPERATOR

1200 Philtower Building, Tulsa, OK. 74103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

790' FEL and 790' FSL, Sec. 5-25N-2W, N.M.P.M.

At proposed prod. zone

Same as SURFACE above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

1.2 miles East/Northeast of Ojito, N.M.

10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

790'

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40/160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

3950

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7402 7370 GR

22. APPROX. DATE WORK WILL START*

March 27, 1986

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

PROPOSED CASING AND CEMENTING PROGRAM

The well is to be drilled and
cemented in accordance with the
provisions of the Act of March 3, 1909, 35 Stat. 865.

SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	20# X-42	300±	156 sx, 195 ft ³ ; TOC @ Surf.
7"	10.5# J-55	3950± (TD)	560 sx, 675 ft ³ ; TOC @ 1900±

PROPOSED PROGRAM

- Proposed well will be drilled through the Pictured Cliffs formation and will evaluate the hydrocarbon potential of the Pictured Cliffs sandstone zone. Completion plans will be determined at total depth after log evaluation.
- 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; 35-45 visc., 8.2-9.0 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: - T.D. to 1900'± 235 ft³ 65/35 Poz w/ 6% Gel, 1/2# D-29 cello flake and 10% salt. Tail in w/ 440 ft³ RFC. TOC 1900'±.
- Southeast Quarter of Section 5, 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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Gregory R. Phillips TITLE Vice President DATE 3/17/86
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE MAR 20 1986

APPROVED BY

TITLE

OIL CON. DIV
DIST. 3

DATE

/s/ J. Stan McKee

CONDITIONS OF APPROVAL, IF ANY:

Held for acreage
C-104
Consolidation

NMOCC

*See Instructions On Reverse Side

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

WILDERNESS CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

Operator Mesa Grande Resources Inc.		Lease Federal Guardian		Well No. 1
Unit Letter P	Section 5	Township 25 North	Range 2 West	County Rio Arriba
Actual Footage Location of Well: 790 feet from the South line and 790 feet from the East line				
Ground Level Elev. 7402	Producing Formation Pictured Cliffs	Pool Gavilan Pictured Cliffs Extension	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Communitization pending

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.

SEC. 5		Reading & Bates 33 1/3%
		Hooper, Kimball et al 33 1/3%
		P C & Ibex et al 31 + %
		Clark/Oatman et al 2 + %
		NM-01804
Gulf/Chevron 100%		Mesa Grande, Ltd. Arriba Co. Ltd.
		790
SF-079332		NM-43749

CERTIFICATION

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

Gregory R. Phillips
Name

Gregory R. Phillips
Position

Vice President

Company
Mesa Grande Resources, Inc.

Date
March 17, 1986

EDGAR L. RISENHOF
I hereby certify that the well location shown on this plat was taken from field notes of 1979 by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed
January 22, 1986

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhofer
Certificate No. 5979

VICINITY MAP for the
FEDERAL-GUARDIAN #1
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-25N-2W
Rio Arriba County, N.M.

3160-3 Attachment

MAP KEY:

- A - Ojito Store
- B - Begin E/W Existing Rd.
- C - Begin N/S Existing Rd.
- D - Begin Proposed Access
- E - Begin New E/W Access
- F - Turnout; W/E Access
- G - Access/Location Point
- Existing Road =====
- Proposed Road
- Proposed Location ▲
- Existing Wells ●
- Water Supply □

Davis Residence

