

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEEN ☒

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Mesa Grande Resources, Inc.

3. ADDRESS OF OPERATOR

1200 Philtower Bldg. Tulsa, Oklahoma 74103

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

1035 FSL and 1125 FWL of Sec. 16-25N-2W

At proposed prod. zone

same as above

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

3.5 miles SW of Ojito, N.M.

10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

285'

16. NO. OF ACRES IN LEASE

400

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80 W/380

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

6350'±

19. PROPOSED DEPTH

8190'

20. ROTARY OR CABLE TOOLS

Rotary

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

7238 GR

7245

22. APPROX. DATE WORK WILL START*

August 15, 1986

PROPOSED CASING AND CEMENTING PROGRAM

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	GRANULARITY OF CEMENT
12 1/2"	8-5/8"	24# K-55	500'±	163 SX (196 ft³)
7-7/8"	5 1/2"	17# J-55	8190'±	2300 SX (2760 ft³)

PROPOSED PROGRAM

- Proposed well will be drilled through the Dakota Formation and will evaluate the hydrocarbon potential of the Dakota, Graneros, Greenhorn, and Mancos 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; 35-45 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 6600'± 215 ft³ 65/35 Poz w/ 6% Gel, 1/2# D-29 cello flake and 10% salt. Tail in w/ 350 ft³ RFC. TOC 6500'±; 2nd - 6450' to 3800'± DV tool @ 6450' w/ 280 ft³ 65/35 Poz w/ 6% Gel, 1/2# D-29 cello flake and 10% salt. Tail in w/ 950 ft³ RFC. TOC 3800'±; 3rd - 3600' to 2000'± DV tool @ 3600' w/ 580 ft³ 65/35 Poz w/ 6% Gel, 1/2# D-29 cello flake, 10% salt. Tail in w/ 465 ft³ RFC.
- West Half of Section 16, 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 June 30, 1986

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY

DATE

NMOCC

*See Instructions On Reverse Side

/s/ J. Stan McKee

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		Lease Phantom Federal		Well No. 1
Unit Letter M	Section 16	Township 25 North	Range 2 West	County Rio Arriba
Actual Footage Location of Well: (cardinal) 1035 feet from the South line and 1125 feet from the West line				
Ground Level Elev. 7245'	Producing Formation Gallup	Pool Gavilan - G.G.D. EXT Gavilan Mancos EXT	Dedicated Acreage: 320/320 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 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.

3 89° 39' W 5280.66' Mesa Grande, LTD 95% Arriba Co., LTD 5% NM-01355 Sec.		RECEIVED JUL 08 1986 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA SEP 08 1986 DIST. 3 DIV. 1		CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Gregory R. Phillips</i> Gregory R. Phillips Vice-President Position Mesa Grande Resources, Inc Company Date July 7, 1986	
Duer Wagner 1/4 R&B 1/3 R. Gilliland 1/4 HKW, Inc. 1/3 Mtn States 1/2 PC, LTD SF-081332B IBEX Part. Clark et al SF-081332		16		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. ROY A. RUSH NEW MEXICO June 24, 1986 Registered Professional Engineer and/or Land Surveyor	
1125' #1 Mesa Grande, Ltd 95% Arriba Co., Ltd 5% NM-43755		1035'		Date Surveyed June 24, 1986 Certificate No. 8894	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

