

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

NOV 14 1985
OIL CON. DIV.
DIST. 3

30-039-23932

Form C-101
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator MESA GRANDE RESOURCES, INC.		8. Farm or Lease Name MARAUDER
3. Address of Operator 1200 Philtower Building Tulsa Oklahoma 74103		9. Well No. #1
4. Location of Well UNIT LETTER N LOCATED 805 FEET FROM THE South LINE AND 1840 FEET FROM THE West LINE OF SEC. 8 TWP. 25N RGE. 2W NMPM		10. Field and Pool, or Wildcat GAVILAN Mancos EXT EXT GAVILAN Grnhn/Grnrs/Dak.
		12. County Rio Arriba
		19. Proposed Depth 8250'±
		19A. Formation Morrison
		20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 1275 GR 7278	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor LLL Drilling
		22. Approx. Date Work will start December 1, 1985

23.

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# K-55	500'±	135 sx(162 ft³)	Surface
8 3/4"	5 1/2"	17# J-55	8250'±	2300 sx(2760 ft³)	2100'±

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'± 135 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 8, 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.

Signed Ernie Busch for O&M Title Manager of Field Operations Date November 4, 1985

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE GEOLOGIST DISTRICT #3 DATE NOV 14 1985

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 5-14-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

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

Operator MESA GRANDE RESOURCES, INCORPORATED			Lease MARAUDER		Well No. 1
Unit Letter N	Section 8	Township 25N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 805 feet from the South line and 1840 feet from the West line					
Ground Level Elev. 7278	Producing Formation GALLUP/DAKOTA	Pool GAVILAN MANCOS EXT GAVILAN GRNHJ-GRNRS-DAKOTA EXT		Dedicated Acreage: 320/320 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

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 Commission.

<p>MESA GRANDE, Ltd. 95% ARRIBA CO., Ltd 5%</p> <p align="center">Sec.</p> <p>NM-43756</p>	<p align="center">8</p>	<p>MESA GRANDE, Ltd. 95% ARRIBA Co, Ltd 5%</p> <p align="center">1840'</p> <p align="center">805'</p> <p align="center">FEE</p>
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RECEIVED
NOV 14 1985
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DIST. 3

CERTIFICATION

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

Name **GREGORY R. PHILLIPS**

Position **VICE PRESIDENT**

Company **MESA GRANDE RESOURCES**

Date **NOVEMBER 14, 1985**

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 **November 13, 1985**

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.

Certificate No. **3250**