

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-101
Revised 10-1-78

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

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Brown
2. Name of Operator MESA GRANDE RESOURCES, INC.		9. Well No. Gavilan-Brown #1
3. Address of Operator 1200 Philtower Building, Tulsa, Oklahoma 74103		10. Field and Pool, or Wildcat Gavilan Mancos
4. Location of Well UNIT LETTER N LOCATED 850 FEET FROM THE South LINE AND 1850 FEET FROM THE West LINE OF SEC. 17 TWP. 25N RGE. 2W NMPM		12. County Rio Arriba
19. Proposed Depth 8175		19A. Formation Dakota
20. Rotary or C.T. Rotary		
21. Elevations (Show whether L.F., RT, etc.) 7184 GR.	21A. Kind & Status Plug. Bond	21B. Drilling Contractor 4 Corners-Farmington
22. Approx. Date Work will start June 3, 1984		

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#	270	150 cuft. 127sx	Surface
8 3/4"	7"	26# & 23#	8175	2720 cuft. 2260sx	2300' *

APPROVAL EXPIRES 11-30-84
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

*(Two Stage Cumulative)

Proposed Program:

- Proposed well will be drilled through the Dakota Formation and will evaluate the hydrocarbon potential of Dakota, Graneros, Greenhorn and Mancos Zones. Completion plans will be determined at total depth.
- A BOP will be installed after surface casing is set and cemented. All subsequent work will be conducted through BOP.
- Drilling mud will be low solid gel: 35-45 viscosity, 8.5-9.0 lbs.
- If well is found to be non-productive, the water zones and potential producing zones will be bridged and cemented prior to plugging of the well.
- The West Half of Section 17 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 Gregory K. Phillips Title Geochemist Date May 22, 1984
(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE MAY 31 1984

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

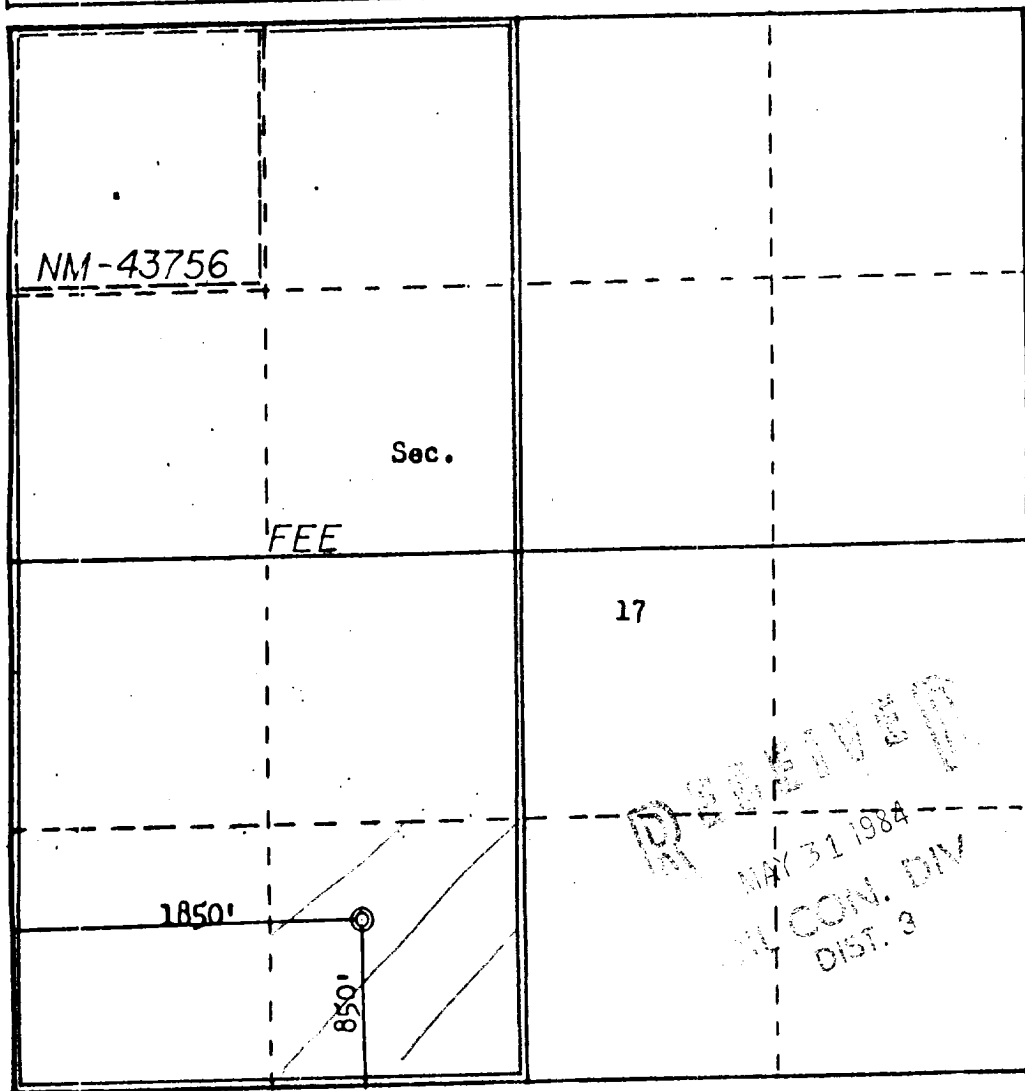
Mesa Grande Resources, Inc.			Lease CAVILAN-BROWN		Well No. 1
Unit Letter N	Section 17	Township 25N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 850 feet from the South line and 1850 feet from the West line					
Ground Level Elev. 7184	Producing Formation Gallup/Dakota	Pool Gavilan Mancos		Dedicated Acreage 320/384/4c	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). Mesa Grande Resources, Inc. 100% W.I.
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 Commission.



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
Geochemist

Company
Mesa Grande Resources, Inc.

Date
May 24, 1984

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
May 15, 1984

Registered Professional Engineer
and Land Surveyor

Fred B. Kery Jr.
Fred B. Kery Jr.

Certificate No. 1750