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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-131  
Revised 1-1-65

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  |  | 7. Unit Agreement Name  |  |
| b. Type of Well<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>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"/> |  | 8. Farm or Lease Name<br>Four O's   |  |
| 2. Name of Operator<br>JEROME P. McHUGH   |  | 9. Well No.<br>#1   |  |
| 3. Address of Operator<br>P O Box 809, Farmington, NM 87499   |  | 10. Field and Pool, or Wildcat<br>Gavilan-Grnhorn-Graneros<br>Dakota & Gavilan Mancos |  |
| 4. Location of Well<br>UNIT LETTER <u>I</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE<br>AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>19</u> TWP. <u>25N</u> RGE. <u>2W</u> NMPM  |  | 12. County<br>Rio Arriba  |  |
| 19. Proposed Depth<br>8200'   |  | 19A. Formation<br>Mancos/Dakota   |  |
| 20. Rotary or C.T.<br>Rotary  |  | 21. Elevations (Show whether DF, RT, etc.)<br>7150' GL                                |  |
| 21A. Kind & Status Plug. Bond<br>State-wide   |  | 21B. Drilling Contractor<br>Four Corners Drlg. Co.                                    |  |
| 22. Approx. Date Work will start<br>ASAP  |  |   |  |

### 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#             | 250'          | 150 cu.ft.      | surface  |
| 7-7/8"       | 5-1/2"         | 15.5 & 17.0#    | 8200'         | 2295 cu.ft.     | surface  |
|              |                |                 |               | (3 stages)      |          |

Plan to drill with spud mud to set surface casing at 250'. Will then drill with water and gel-chem. mud to test the Gavilan Mancos & Gavilan-Greenhorn-Graneros Dakota formations at total depth of ±8200'. Will run DIL-GR-SP & FDC-GNL-GR-Caliper logs. If well appears productive, will set 5½" casing at total depth, cementing in 3 stages. Will selectively perforate, frac, clean out after frac & complete well using 2-7/8" tubing.

GAS IS DEDICATED.

*R-7407-C*  
*authorizes the NIP*

APPROVAL *12-23-86*  
UNLESS DRILLING IS COMPLETED  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

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 James S. Hazen Title Field Supt. Date 6-24-86

(This space for State Use)

Original Signed by CHARLES GHOLSON

DEPUTY OIL & GAS INSPECTOR, DIST. #3

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

DATE JUN 25 1986

CONDITIONS OF APPROVAL, IF ANY:

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

Form C-102  
Supersedes C-128  
Effective 1-1-85

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

|   |   |   |                          |   |                      |
|---|---|---|--------------------------|---|----------------------|
| Operator<br><b>Jerome P. McHugh</b>   |   |   | Lease<br><b>Four 0's</b> |   | Well No.<br><b>1</b> |
| Unit Letter<br><b>I</b>   | Section<br><b>19</b>                        | Township<br><b>25 North</b>   | Range<br><b>2 West</b>   | County<br><b>Rio Arriba</b>               |                      |
| Actual Footage Location of Well:<br><div style="display: flex; justify-content: space-between;"> <span>1980 feet from the South line and</span> <span>660 feet from the East line</span> </div> |   |   |                          |   |                      |
| Ground Level Elev.<br><b>7150</b>   | Producing Formation<br><b>Mancos/Dakota</b> | Pool<br><b>Gavilan-Greenhorn-Graneros<br/>Dakota &amp; Gavilan Mancos</b> |                          | Dedicated Acreage:<br><b>186.76</b> 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 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.

Sec. 19

**CERTIFICATION**

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

*James S. Hazen*

Name James S. Hazen

Position Field Supt.

Company Jerome P. McHugh

Date 6-24-86

**EDGAR L. RISENHOVER**  
REGISTERED PROFESSIONAL ENGINEER  
AND LAND SURVEYOR  
NEW MEXICO  
5979

Date Surveyed May 30, 1986

Registered Professional Engineer and/or Land Surveyor

*Edgar L. Risenhoover*

Certificate No. 5979

**Edgar L. Risenhoover, L.S.**