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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-85

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| 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"/> |
| b. Type of Well | OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> |
| 2. Name of Operator | JEROME P. McHUGH |
| 3. Address of Operator | P O Box 809, Farmington, NM 87499 |
| 4. Location of Well | UNIT LETTER E LOCATED 1850 FEET FROM THE North LINE AND 790 FEET FROM THE West LINE OF SEC. 27 TWP. 26N RSE. 2W NMPM |

| |
|------------------------|
| 7. Unit Agreement Name |
| 8. Farm or Lease Name |
| Ralphie Tigger |
| 9. Well No. |
| #1 |

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| 10. Field and Pool, or Wildcat |
| Gavilan- Grnhorn-Graneros Dakota & Gavilan Mancos |

| | |
|--------------------|---------------|
| 11. Proposed Depth | 8300' |
| 19A. Formation | Mancos/Dakota |
| 20. Rotary or C.T. | Rotary |

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|------------|
| 12. County |
| Rio Arriba |

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|--|------------------------|
| 21. Elevations (Show whether DF, RT, etc.) | 7502 |
| 21A. Kind & Status Plug. Bond | State-wide |
| 21B. Drilling Contractor | Four Corners Drlg. Co. |
| 22. Approx. Date Work will start | 8/86 |

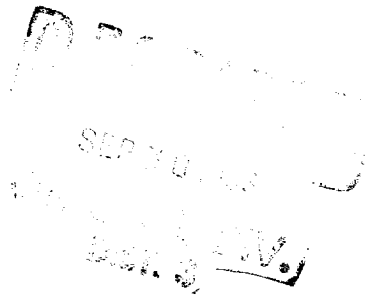
23. PROPOSED CASING AND CEMENT PROGRAM

| 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 | 8300' | 2325 cu.ft. (3 stages) | surface |

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 ±8300'. Will run DIL-GR-SP & FDC-GNL-GR-Caliper logs. If well appears productive, will set 5 1/2" 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 NOT DEDICATED.

APPROVAL EXPIRES 4-1-87
UNLESS DRILLING IS COMMENCED.
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 9/29/86

(This space for State Use)

APPROVED BY Eric Busch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE 10-1-86

CONDITIONS OF APPROVAL, IF ANY:

Held C-104 for
average Consolidation

OCT 01 1986

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

| | | | | |
|------------------------------|--|-------------------------|--|---------------|
| Operator Jerome P. McHugh | | Lease Ralphie Tigger | | Well No. 1 |
|------------------------------|--|-------------------------|--|---------------|

| | | | | |
|------------------|---------------|----------------------|-----------------|----------------------|
| Unit Letter E | Section 27 | Township 26 North | Range 2 West | County Rio Arriba |
|------------------|---------------|----------------------|-----------------|----------------------|

Actual Postage Location of Well:
1850 feet from the North line and 790 feet from the West line

| | | | |
|----------------------------|--------------------------------------|---|---|
| Ground Level Elev. 7502 | Producing Formation Mancos/Dakota | Pool Gavilan-Greenhorn-Graneros Dakota & Gavilan Mancos EXA | Dedicated Acreage: 320.0 / 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 Plan to communitize.

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.

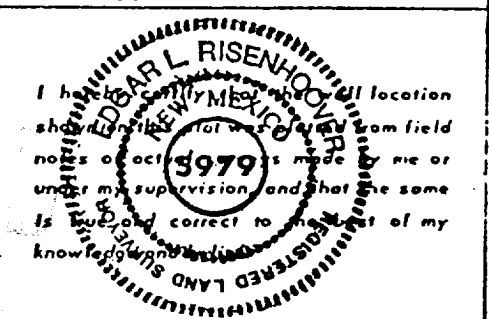
| | |
|---------------------------|---|
| NM 58856 Amoco 7550 | McHugh Amoco A.G. Hill Various Fee Leases |
| 790-⊙ | McHugh Amoco A.G. Hill Dugan Various Fee Leases |

CERTIFICATION

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

James S. Hazen

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|-----------------------------|
| Name James S. Hazen |
| Position Field Supt. |
| Company Jerome P. McHugh |
| Date 7-14-86 |



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|---|
| Date Surveyed June 6, 1986 |
| Registered Professional Engineer and/or Land Surveyor <i>Edgar L. Risenhoover</i> |
| Certificate No. 5979 |
| Edgar L. Risenhoover, L.S. |

