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NEW MEXICO OIL CONSERVATION COMMISSION

Orig & Jec: NMCC
lec: G. H. Truman
lec: J. E. Pierce
lec: File

Form C-101
Revised 1-1-65

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

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 OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | | 8. Farm or Lease Name State "H" | |
| 2. Name of Operator GUFFY OIL COMPANY | | 9. Well No. 3 | |
| 3. Address of Operator P. O. BOX 249, BORDO, NEW MEXICO 88240 | | 10. Field or Lease Name UNDESIGNATED | |
| 4. Location of Well UNIT LETTER H LOCATED 1980 FEET FROM THE North LINE AND 990 FEET FROM THE East LINE OF SEC. 27 TWP. 12S RGE. 34E NMPM | | 12. County Lee | |
| 19. Proposed Depth 12,900' | | 19A. Formation Devonian | |
| 20. Rotary or C.T. Rotary | | 21. Elevations (Show whether DF, RT, etc.) 4154.5' GL | |
| 21A. Kind & Status Plug. Bond Blanket Bond 11-30-17 | | 21B. Drilling Contractor Contract Not Let | |
| 22. Approx. Date Work will start When Permit Approved | | 23. v/St. Paul Indemnity | |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|-------------|
| 17-1/4 | 13-3/8 | 48 | 400 | 400* | Surface |
| 11 | 8-5/8 | 32 | 4200 | 710* | Surface |
| 7-7/8 | 5-1/2 | 15.5, 17 & 20 | 12900 | 925 | Above 7000' |

* Actual cement volume to be determined by fluid survey.

It is proposed to drill a 17-1/4" hole using spud mud and set 13-3/8" casing at 400', circulate the cement to the surface. Then an 11" hole will be drilled using 10 ppg brine to 4200', where the 8-5/8" casing will be set. Cement to be circulated to the surface. A 7-3/8" hole will be drilled to 12,900' with fresh water. The 5-1/2" casing to be set at 12,900' and cemented with sufficient cement to bring the cement above 7000'. Open hole logs to be run, are Induction electric and gravity logs. A Gamma Ray log will be run in the cased hole. Based upon log information, the Devonian will be perforated and acidized.

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.

ORIGINAL SIGNED BY:

Signed C. L. Wade Title Area Superintendent Date 3-7-69

(This space for State Use)

APPROVED BY [Signature] TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

