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NEW MEXICO OIL CONSERVATION COMMISSION

Form O-101
Revised 1-1-85

| | |
|--------------------------------|---|
| 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 | | 7. Unit Agreement Name | |
| b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 8. Farm or Lease Name Dillon 31 | |
| 2. Name of Operator HNG OIL COMPANY | | 9. Well No. 1 | |
| 3. Address of Operator P. O. Box 2267, Midland, Texas 79702 | | 10. Field and Pool, or Wildcat Pitchfork Ranch /Morrow/ | |
| 4. Location of Well UNIT LETTER <u>I</u> LOCATED <u>1980</u> FEET FROM THE <u>south</u> LINE AND <u>660</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>31</u> TWP. <u>24S</u> RGE. <u>34E</u> NMPM | | 11. County Lea | |
| 19. Proposed Depth 15,500' | | 19A. Formation Morrow | |
| 20. Rotary or C.T. Rotary | | 21. Elevations (Show whether DF, RT, etc.) 3442.2' GR | |
| 21A. Kind & Status Plug. Bond Blanket-Active | | 21B. Drilling Contractor Parker Drilling Company | |
| 21C. Approx. Date Work will start When Approved | | | |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|------------|
| 17-1/2" | 13-3/8" | 48# | 600' | 800 | circulated |
| 12-1/4" | 9-5/8" | 36# | 5000' | 2500 | Circulated |
| 8-3/4" | 7" | 26# | 13000' | 1500 | |
| 6-1/8" | 5-1/2" Liner | 15# | 15500' | 350 | TOL 12500' |

BOP - Install at 5000' w/3000# cap. and 2450# annular preventer, at 13,000' increase to 10,000# cap. w/5000# annular preventer. Will use standard surface controlled BOP installation.

Gas is dedicated.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 9/16/84
UNLESS DRILLING UNDERWAY

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 Betty Gildon Title Regulatory Analyst Date 3/14/84

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT I SUPERVISOR TITLE DATE MAR 16 1984

CONDITIONS OF APPROVAL, IF ANY: