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NEW MEXICO CONSERVATION COMMISSION

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APR 10 1975

**O. C. C.
ARTESIA OFFICE**

30-015-21517
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
L-5035

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 Catclaw Draw Unit | |
| b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ | | 8. Farm or Lease Name Catclaw Draw Unit | |
| 2. Name of Operator Hanagan Petroleum Corporation | | 9. Well No. 11 | |
| 3. Address of Operator P. O. Box 1737, Roswell, New Mexico 88201 | | 10. Field and Pool, or Wildcat Catclaw Draw Morrow | |
| 4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>330'</u> FEET FROM THE <u>West</u> LINE AND <u>1915</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>36</u> TWP. <u>21S</u> RGE. <u>25E</u> NMPM | | 12. County Eddy | |
| 19. Proposed Depth 11,100' | | 19A. Formation Morrow | 20. Rotary or C.T. Rotary |
| 21. Elevations (Show whether DF, RT, etc.) 3650' GR est. | 21A. Kind & Status Plug. Bond Statewide @ Santa Fe | 21B. Drilling Contractor Moranco | 22. Approx. Date Work will start 4/11/75 |

23. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|-------------------|----------------|-----------------|---------------|-----------------|----------|
| 20" | 16" | 65# | 200' | Circ. | |
| 14-3/4" & 12-1/4" | 9-5/8" | 36# & 40# | 2300' | Circ. | |
| 8-1/2" & 7-7/8" | 5-1/2" | 17# & 20# | 11,100' | | |

Plan use 10" 1500 Series BOP & Hydrill. Flow sensor, pit leveller, choke & gas separator will be installed and yellow jacket at top Wolfcamp anticipated at 8200'. Mud up at 8900' in Wolfcamp - low solids fresh water mud, weight 8.8 to 9.2#, vis. 42 to 44, water loss 10 to 15. Fresh water & native mud from 0 to 8800'.

NSL-709
4-14-75

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,
EXPIRES 7-17-75

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 M.L. Southward Title Agent Date 4/9/75

(This space for State Use)

APPROVED BY W.A. Gussert TITLE SUPERVISOR, DISTRICT II DATE APR 17 1975

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 16" + 9 5/8" casing

Notify N.M.O.C.C. in sufficient time to witness cementing
9 5/8" casing