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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

| | |
|--------------------------------|---|
| 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 OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 8. Farm or Lease Name Sumerlin | |
| 2. Name of Operator Durham, Inc. | | 9. Well No. 1 | |
| 3. Address of Operator 219 S. Colorado, Midland, Tx 79701 | | 10. Field and Pool, or Wildcat Tobac (Penn) | |
| 4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>19</u> TWP. <u>8-S</u> RGE. <u>33-E</u> NMPM | | 12. County Chaves | |
| 21. Elevations (Show whether DF, RT, etc.) 4415' DF, 4401' G | | 22. Approx. Date Work will start July 1, 1979 | |
| 21A. Kind & Status Plug. Bond Blanket Bond | | 21B. Drilling Contractor Forster | |
| 21C. Proposed Depth 9100 | | 21D. Formation Penn | |
| 21E. Rotary or C.T. Rotary | | | |

23.

No. 923570

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|--------------------|
| 15" | 12 3/4" | 35# | 400' | 300 | Circ. |
| 11" | 8 5/8" | 24 & 32# | 3700' | 1475 | Tie into surf. csg |
| 7 7/8" | 5 1/2" | 17# | 9100' | 500 | 7300' |

Mud Program:

Surface Hole- fresh water spud mud.

Intermediate Hole - clear brine with additions of LCM to control seepage.

Open Hole - clear brine to 8800' - will mud up with salt gel, starch and caustic;
mud weight 10.4 - 10.6, viscosity 40 - 45, water loss 10 - 15 cc.
May have to mud up for Abo @ 7200'± with oil and gel.

BOP Program:

3000# Cameron Dual Hydraulic with 80 gal Koomey accumulator.

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 Les Skinner Title Engineer Date June 19, 1979

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE JUN 21 1979

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUN 20 1979

OIL CONSERVATION COMM.
HOBBS, N. M.