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NEW MEXICO OIL CONSERVATION COMMISSION

Form O-101
Revised 1-1-65

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| 5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. K-3224 |
| 7. Unit Agreement Name |
| 8. Farm or Lease Name New Mexico State |
| 9. Well No. 1 |
| 10. Field and Pool, or Wildcat Wildcat |
| 12. County Roosevelt |
| 19. Proposed Depth 8900' |
| 19A. Formation Devonian |
| 20. Rotary or C.T. Rotary |
| 21. Elevations (Show whether DT, RT, etc.) Ground @ 4173' |
| 21A. Bond & Status Plug. Bond \$10,000 Plugging |
| 21B. Drilling Contractor To be determined |
| 22. Approx. Date Work will start 18th |

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"/> | SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |
| 2. Name of Operator Harry H. Cullen | |
| 3. Address of Operator P. O. Box 3331, Houston, Texas 77001 | |
| 4. Location of Well UNIT LETTER M LOCATED 660' FEET FROM THE West LINE AND 660' FEET FROM THE South LINE OF SEC. 32 TWP. 6S RGE. 36E NPMN | |
| 21. Elevations (Show whether DT, RT, etc.) Ground @ 4173' | 21A. Bond & Status Plug. Bond \$10,000 Plugging |
| 21B. Drilling Contractor To be determined | 22. Approx. Date Work will start 18th |

23. & Indemnity 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" | 34 | ± 360' | ± 250 | Surface |
| 11" | 8-5/8" | 24 - 28 | ± 3600' | ± 1500 | Surface |
| 7-7/8" | 5-1/2" | 14-15-1/2, 17 | ± 8900' | ± 500 | ± 5500' |

A 15" hole will be drilled to ± 360' where 12-3/4" casing will be set. Sufficient cement will be used to bring the slurry back to the surface. A 12" series 600 rotating head will be installed for well control. Drilling below conductor will proceed in an 11" hole using a saturated salt mud down to approximately 3600' (± 100' into the San Andrus). A string of 8-5/8" intermediate casing will be run at this depth with cement to be circulated to the surface. Total depth of the 8-5/8" in hole in order to evaluate the Devonian Section should not exceed 8900'. Should the well prove productive, then 5-1/2" casing would be set with a cement column from TD to approximately 5500'. Note that a saturated salt mud with a maximum density of 11# per gallon is anticipated to reach total depth.

*Bond applied for and to be submitted to Santa Fe Office immediately.

APPROVAL VALID
FOR 90 DAYS FROM DATE
EXPIRES **2-17-73**

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 **B.C. Craft, Jr.** **B.C. Craft, Jr.** Title **Operations Manager** Date **Nov. 16, 1972**

(This space for State Use)

APPROVED BY **[Signature]** TITLE **SUPERVISOR OPERATIONS** DATE **NOV 17 1972**

CONDITIONS OF APPROVAL, IF ANY: