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NEW MEXICO OIL & GAS COMMISSION

Form C-101
Revised 1-1-65

JUN 16 11 20 AM '67

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

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|------------------------------|
| 5. State Oil & Gas Lease No. |
| OG-945 |

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 |
| b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 8. Farm or Lease Name Mobil-State |
| 2. Name of Operator Olen F. Featherstone | | 9. Well No. 1 |
| 3. Address of Operator 236 Petroleum Building, Roswell, New Mexico 88201 | | 10. Field and Pool, or Wildcat Wildcat |
| 4. Location of Well UNIT LETTER E LOCATED 2310 FEET FROM THE North LINE AND 330 FEET FROM THE West LINE OF SEC. 32 TWP. 14S RGE. 35E NMPM | | 12. County Lea |
| 19. Proposed Depth 10,800 | | 19A. Formation Penn. Lm. |
| 20. Rotary or C.T. Rotary | | |
| 21. Elevations (Show whether DF, RT, etc.) | 21A. Kind & Status Plug. Bond Statewide | 21B. Drilling Contractor Moran Drilling Corp. |
| | | 22. Approx. Date Work will start June 17, 1967 |

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# | 375' | Circulated | |
| 11" | 8-5/8" | 24# | 4550' | 500 | |
| 7 7/8" | 4 1/2" | 11 1/2 | 10,800' | 200 | True 1,000' |

We propose to drill a 17-1/2" hole to approximately 375 feet, set and cement 375' of conductor pipe, drill a 11" hole to a depth of approximately 4550', set and cement 4550' of 8-5/8" 24# casing, allow sufficient time for cement to set and test for water shut-off. We will then drill a 7-7/8" hole to an approximate depth of 10,800', testing the Permo-Penn and Perm. Ls. formations. Logs will be run, and depending on results of tests and logs, the well will either be p&a or completed as a producer.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 9-14-67

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 Charles W. Hicks Title General Manager Date June 12, 1967

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

