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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

| | |
|---|------------------------------|
| 5A. Indicate Type of Lease | |
| STATE <input checked="" type="checkbox"/> | FEE <input 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 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 Texaco State | |
| 2. Name of Operator Santa Fe Energy Company | | 9. Well No. 1 | |
| 3. Address of Operator 7200 I-40 West Amarillo, TX 79106 | | 10. Field and Pool, or Wildcat Undesignated | |
| 4. Location of Well UNIT LETTER L LOCATED 1980 FEET FROM THE south LINE AND 660 FEET FROM THE west LINE OF SEC. 22 TWP. 15S RGE. 32E NMPM | | 12. County Lea | |
| 19. Proposed Depth 12,850' | | 19A. Formation Morrow | |
| 20. Rotary or C.T. Rotary | | 21. Elevations (Show whether DE, RT, etc.) 4293.0' G.L. | |
| 21A. Kind & Status Plug. Bond Blanket/Current | | 21B. Drilling Contractor Tubb Drilling Co. | |
| 22. Approx. Date Work will start Nov. 15, 1981 | | | |

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" | 54.5# | 400' | 450 | Circ |
| 11" | 8 5/8" | 28.0# | 4100' | Est. 1000 | Est 300' |
| 7 7/8" | 5 1/2" | 17# & 20# | 12,850' | Est. 1000 | Est. 9000' |

1. Drill a 17 1/2" hole to 400' and set 13 3/8" casing, circulating cement to the surface. WOC 10-12 hours. Nipple up BOPs and test to their full working pressure.
2. Drill an 11" hole to 4100' (50' into the San Andres formation). Run and cement 8 5/8" casing. Estimate cement top at 300' from the surface. Nipple up BOPs and pressure test to their full working pressure.
3. Drill a 7 7/8" hole to TD with sufficient mud weight to control formation pressures.
4. Either run and cement 5 1/2" production casing or plug and abandon as directed by the New Mexico Oil Conservation Commission.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 3/30/82
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 Sunny N. Morgan Title Drilling Engineer Date September 25, 1981
(This space for State Use)

APPROVED BY Jerry Sexton TITLE Dist 1, Supv. DATE SEP 30 1981
CONDITIONS OF APPROVAL, IF ANY: