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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

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 Feather
2. Name of Operator Santa Fe Energy Company		9. Well No. 1
3. Address of Operator 500 W. Ohio, Midland, Texas 79701		10. Field and Pool, or Wildcat Wildcat
4. Location of Well UNIT LETTER C LOCATED 1980 FEET FROM THE West LINE AND 660 FEET FROM THE North LINE OF SEC. 21 TWP. 15S RGE. 32E NMPM		12. County Lea
19. Proposed Depth 10,050'		19A. Formation Upper Penn Cisco
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 4307.3 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor To be determined
22. Approx. Date Work will start As soon as possible		

23.

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	490	300 sx	Surface
12-1/4"	8-5/8"	32.0	4,100	1500 sx	Surface
7-7/8"	5-1/2"	17.0	10,050	300 sx	8000'

Move on location. Rig up. Drill 17 $\frac{1}{2}$ " hole to 490'. Run and cement 13-3/8" 54.5 ppf casing. WOC until 500 psi compressive strength attained. Weld on casing head and nipple up BOP. Test casing to 600 psi for 30 minutes. Test BOP to 2000 psi. Drill 12 $\frac{1}{4}$ " hole to 4100'. Run and cement 8-5/8" casing. WOC until 500 psi compressive strength attained. Test casing to 1500 psi. Test BOP to full working pressure. Drill 7-7/8" hole to 10,050'. Core or drill stem test zones of interest to be determined by well site geologist. Run electric logs. Either run 5 $\frac{1}{2}$ " 17.0 ppf production casing or plug and abandon as per NMOCC Rules & Regulations.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6/1/84
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 Billie Head Title Sr. Production Clerk Date 11/29/83

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DEC 1 1983

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O.C.D.
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