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5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEC <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 OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Lone Ranger 10	
2. Name of Operator Santa Fe Energy Company		9. Well No. 10-1	
3. Address of Operator 500 W. Ohio, Midland, Texas 79701		10. Field and Pool, or Wildcat Wildcat	
4. Location of Well UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 10 TWP. 13S RGE. 33E NMPM		12. County Lea	
19. Proposed Depth 12,000'		19A. Formation Morrow	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, KT, etc.) 4241.8 GL	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor To Be Determined	22. Approx. Date Work will start December 10, 1983

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	400'	420	Surface
11"	8-5/8"	32.0	3975'	1150	Surface
7-7/8"	5-1/2"	20.0	12,000'	650	8000'

Move on location and rig up. Drill 17 $\frac{1}{2}$ " hole to 400'±. Run and cement 13-3/8" casing so that cement circulates to surface. WOC until compressive strength of 500 psi is obtained. Nipple up BOP and test. Test casing to 600 psi. Drill 11" hole to 3975'±. Run and cement 8-5/8" casing so that cement circulates to surface. WOC until 500 psi compressive strength is obtained. Test casing to 1500 psi. Drill 7-7/8" hole to 12,000'. Drill stem test zones of interest. Run electric logs. Either run and cement 5 $\frac{1}{2}$ " production casing causing cement to fill to 500' above top most productive zone or plug and abandon as directed by New Mexico Oil Conservation Division.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5-14-84
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 Spod Title Sr. Production Clerk Date 11-10-83

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE NOV 14 1983

CONDITIONS OF APPROVAL, IF ANY: