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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" 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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name SFPRR 27	
2. Name of Operator Santa Fe Energy Company		9. Well No. 3	
3. Address of Operator One Security Park, 7200 I-40 West, Amarillo, TX 79106		10. Field and Pool, or Wildcat Crossroads Penn	
4. Location of Well UNIT LETTER <u>C</u> LOCATED <u>990</u> FEET FROM THE <u>north</u> LINE AND <u>2310</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>27</u> TWP. <u>9S</u> RGE. <u>36E</u> NMPM		12. County Lea	
19. Proposed Depth PB approx. 11,700'		19A. Formation Pennsylvanian	
20. Rotary or C.T. pulling unit		21. Elevations (Show whether DF, RT, etc.) KB 4952'	
21A. Kind & Status Plug. Bond blanket, exp. 7-30-80		21B. Drilling Contractor -	
22. Approx. Date Work will start February 30, 1980			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
-	13 3/8"	48	315	300	circ to surface
-	8 5/8"	24, 28 & 32#	5000'	400	est. 4200'
-	5 1/2" liner	17 & 20#	top 4873' btm 11,987'	350*	4873'*

* Liner was subjected to multiple remedial squeeze jobs at top and bottom.

Presently producing from Crossroads Siluro-Devonian Pool thru open-hole 11,987-12,018' and perforations 11,974-11,984'. See attached wellbore diagram.

We propose to test Pennsylvanian Pool as follows:

1. Temporarily abandon Devonian with cement retainer and 35 sx of cmt below retainer. Retainer to be set @ 11,700'.
2. Perforate 11,277-11,288'. Flow or swab test.
3. Stimulate if necessary with 2000 gal. 7 1/2% HCL.
4. Will either leave producing from Pennsylvanian, or will squeeze Pennsylvanian and re-enter Devonian.

A double ram BOP will be used during workover.

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 [Signature] Title Petroleum Engineer Date 2-1-80

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE FEB 6 1980

CONDITIONS OF APPROVAL, IF ANY: