

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL

OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR

Santa Fe Energy Company

3. ADDRESS OF OPERATOR

One Security Park, 7200 I-40 W, Amarillo, Tx. 79106

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface SW 1/4, NW 1/4, Sec. 1, T25S, R37E, NMPM

At proposed prod. zone Same.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

5 miles NE from Jal, N. M.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

800.20

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

5100'

20. ROTARY OR CABLE TOOLS

Rotary.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

DF @ 3129' DF 9.5'AGL

22. APPROX. DATE WORK WILL START\*

June 6, 1983

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	32# & 24#	980'	500 sacks
7 7/8"	5 1/2"	14#	3407'	300 sacks TOC 2085'
4 3/4"	4"	11.6#, 10.46#	5193' to 5098'	85 sacks

See attached procedure: Objectives of procedure are: (1) Determine mechanical condition of well bore and down hole equipment. (2) Production test North Justis Glorieta formation. Abandon zone if noncommercial. (3) Attempt recompletion in the Langlie Mattix Pool and/or the Jalmat Pool. (4) P & A if well is noncommercial.

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MAY 9 1983

OIL & GAS

ROSWELL, NEW MEXICO

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED P J Shum TITLE Production Engineer DATE May 5, 1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
JUN 1 1983  
O.C.D.  
HOBB'S OFFICE