

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'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

## 16. NO. OF ACRES IN LEASE

800.20

## 19. PROPOSED DEPTH

5100'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 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

## 23. 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 &amp; 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 ShumTITLE Production EngineerDATE 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