

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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(Other instructions on reverse side)

JUL 11 1986

30-015-25639

Form approved.  
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

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

500 W. Illinois, Suite 500, Midland, TX 79701

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

At surface  
810' FWL, 1980' FNL, Sec. 33, T-23S, R-31E  
At proposed prod. zone  
Same

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

Thirty-five miles northwest of Jal, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 810'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

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

N/A

19. PROPOSED DEPTH

15,000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3381.7

22. APPROX. DATE WORK WILL START\*

As soon as possible

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48.0	800	900 sx circulated
12 1/4"	9 5/8"	40.0	4240	2500 sx circulated
8 1/2"	7 "	29.0	12000	1000 sx
6"	4 1/2"	13.5	11500-15000	550 sx

13 3/8" casing will be cemented with 500 sacks + lite weight cement containing ~~3% salt~~ and 1 lb/sack hi-seal followed by 400 sacks Class "C" containing 2% calcium chloride. Cement circulated to surface. 9 5/8" casing to be cemented with sufficient lite weight cement containing 15# salt per sack and 1# hi-seal per sack followed by 640 sacks Class C Neat to circulate to surface. 7" casing will be cemented with sufficient lite weight cement containing 0.75% fluid loss reducer and 2#/sack hi-seal followed by 300 sacks Class H with 1% fluid loss reducer to fill to 8000'. 4 1/2" casing to be cemented with sufficient Class H cement containing 1.5% fluid loss to completely fill behind liner. All cement to weigh at least 1.0 ppg more than mud weight used to drill specific interval.

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 Michael R. Burton TITLE Sr. Drilling Eng.

DATE 6/10/86

(This space for Federal or State office use)

PERMIT Orig: Sgd. Charles S. Dalton

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED