

30-015-24718

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐ 20 AM '83 PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

2. NAME OF OPERATOR

Santa Fe Energy Company ✓

3. ADDRESS OF OPERATOR

500 W. Ohio, Midland, Texas 79701

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

At surface  
1980' FNL, 1980' FEL, Section 34, T22S, R28EAt proposed prod. zone  
Same

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

4 miles North of Loving, New Mexico

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

1980'

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

N/A

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH  
13,000'17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS  
Rotary

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

3051.4 GR

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 |
|--------------|----------------|-----------------|----------------|--------------------|
| 26"          | 20"            | 94.0            | 400'           | 460 sx circulated  |
| 17-1/2"      | 13-3/8"        | 68.0            | 2,575'         | 2080 sx circulated |
| 12-1/4"      | 9-5/8"         | 40.0            | 10,900'        | 1140 sx            |
| 8-1/2"       | 7"             | 26.0            | 12,000'        | 125 sx             |
| 6-1/8"       | 4-1/2"         | 11.6            | 12,000-13,000' | 125 sx             |

20" casing will be cemented with 460 sacks ± Class "C" containing 2% CaCl<sub>2</sub>. Circulated to surface. 13-3/8" casing will be cemented with 1780 sacks ± "light" cement containing 8 lb/sack salt, and 1/4 lb/sack flocele followed by 300 sacks Class "C" containing 2% CaCl<sub>2</sub>. Circulated to surface. 9-5/8" casing will be cemented with 840 sacks ± "light" cement containing 0.4% Halad 22A and 0.5% CFR-2 followed by 300 sacks Class "C" for 5000 feet of fill. 7" casing will be cemented with 125 sacks ± "light" cement containing 0.4% Halad 22A and 0.5% CFR-2 for complete fill behind liner. 4 1/2" casing will be cemented with 125 sacks ± "light" cement containing 0.4% Halad 22A and 0.5% CFR-2 for complete fill behind liner. All cement to weigh at least 1.0 ppg more than mud weight used to drill specific interval.

Posted R.R.  
SD-1 & 2 Bank  
12-16-83

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

Billie Hood

TITLE Sr. Production Clerk

DATE 11-17-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Orig. Sgd. Earl R. Cunningham

TITLE

District Manager

DATE

DEC 12 1983

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED