

UNITED STATES OF MEXICO  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other instructions on  
reverse side)

20-045-27167

## 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 Operating Partners, LP

## 3. ADDRESS OF OPERATOR

500 W. Illinois, Suite 500, Midland, TX 79707

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

At surface

2466' FNL &amp; 1980' FEL, Section 5, T-16S, R-34E

At proposed prod. zone

Same

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

14 miles northeast Maljamar, NM

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 16. NO. OF ACRES IN LEASE

329.89

## 19. PROPOSED DEPTH

13,300'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4143.5' GL

## 22. APPROX. DATE WORK WILL START\*

ASAP

## 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	450'	470 sx, circ to surface
11"	8 5/8"	24.0 & 28.0	4550'	2500 sx, circulated
7 7/8"	5 1/2"	17.0	13300'	500 sx, TOC 10,000'

Move in rig and drill 17 1/2" hole to 450'+. Run 13 3/8" casing and cement with sufficient Class C Neat cement containing 2% CaCl<sub>2</sub> to circulate to surface. Drill 11" hole to 4550'. Run 8 5/8" casing. Cement with sufficient 65/35 Class C poz followed by 360 sacks Class C Neat to circulate to surface. Drill 7 7/8" hole to 13,300'. Run 5-1/2" casing. Cement with sufficient Class H cement containing 1.25% flo-lock, 0.2% defoamer, and 2% KCl to cover possible producing intervals with 500' of cement.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed 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

*Mike Burton*

Mike Burton

TITLE Sr. Drilling Engineer

DATE 9-18-86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

10-2-86

CONDITIONS OF APPROVAL, IF ANY

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

RECEIVED  
OCT 6 1986  
O.C.C.  
HOBBS OFFICE