

NM CIB. 1. COMMISSION  
Drilling in UNITED STATES  
A. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*  
(Other instructions on  
reverse side)

30-015-26249  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

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, L.P.

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 2310' FWL, 990' FSL, Sec. 1, T-24S, R-28E

At proposed prod. zone Same

DEC -1 '89

Q.C.B.  
ARTESIA, OFFICE

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

2 miles NE of Malaga, New Mexico

15. DISTANCE FROM PROPOSED\*

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

990'

16. NO. OF ACRES IN LEASE

40

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

12,250'

20. ROTARY OR CABLE TOOLS

Rotary

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

2961.3'

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	450	975 cu.ft. circ. to surface
12 1/4	9 5/8	40.0	2700	910 cu.ft. circ. to surface
8 1/2	7	23.0, 26.0, 29.0	10600	1260 cu.ft. fill to 8000'
6	4 1/2	11.6	10300-12250	1100 cu.ft. fill to 10200'

Move in and rig up rotary tools. Drill a 17 1/2" hole to 450'. Run 13 3/8" casing and cement with sufficient Class "C" cement containing 4% gel, 1/4#/sk cellophane flakes to circulate to surface when followed by 330 cu.ft. of Class "C" with 2% CaCl<sub>2</sub>. Drill 12 1/4" hole to 2700'. Run 9 5/8" casing and cement with sufficient lite cement to circulate to surface when followed by 264 cu.ft. Class "C" containing 2% CaCl<sub>2</sub>. Drill 8 1/2" hole to 10,600'. Run 7" casing and cement with sufficient 50/50 Class H/Poz containing 6# salt per sack and 0.6% fluid loss reducer to bring cement to 8000'. Drill a 6" hole to 12,200'. Run 4 1/2" casing and cement with sufficient Class H cement containing 0.6% fluid loss reducer, 0.4% friction reducer, 0.6% gas block agent, and 5#/sk KCl to fill to 300' above liner top or plug and abandon per BLM instructions.

APPROVED BY  
SIGNED BY  
SIGNED BY  
SIGNED BY

Post ID-1  
12-8-89  
New Loc # APE

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. Buxton

TITLE Sr. Drilling Engineer

DATE 11-17-89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Orig. Signed by Richard L. Manos

AREA MANAGER

APPROVED BY

TITLE

CARLSBAD RESOURCE AREA

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side