

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30025-30652
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐

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
660' FSL & 330' FWL, Sec. 6, T18S, R33E
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
6 miles southeast of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
330'

16. NO. OF ACRES IN LEASE
40

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
None

19. PROPOSED DEPTH
9400'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3922'

22. APPROX. DATE WORK WILL START*
July 1, 1989

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 | 425' | 475 sx |
| 12-1/4" | 8-5/8" | 28.0 | 2,800' | 1,523 sx |
| 7-7/8" | 5-1/2" | 17.0 | 9,400' | See below |

Move in drilling rig. Drill 17-1/2" hole to 425'. Run 13-3/8" casing and cement to surface with 474 sx "C" cement w/2% CaCl₂ and 1/4 lbs/sx celloflake. WOC 8 hours. Nipple up BOP and test BOP and casing to 600 psi. Drill 12-1/4" hole to 2800'. Run 8-5/8" casing and cement with 1373 sx 35/65 Poz/"C" cement w/6% gel, 10% NaCl and 1 lb/sx celloflake followed by 150 sx of "C" cement w/2% CaCl₂. Install BOP and test rams and choke to 5000 psi, annular to 1000 psi. Drill 7-7/8" hole to 11,500'. Run logs. Run 5-1/2" casing and cement with 50/50 Poz/"H" cement, 2% gel, 6 lbs/sx NaCl and 0.75% fluid loss additive. Sufficient cement will be used to cover all potentially productive zones.

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. Butler TITLE District Drilling Engineer DATE June 22, 1989
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 8-7-89
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

RECEIVED

AUG 11 1989

**OCD
HOBBS OFFICE**