

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
RECEIVED

SUBMIT IN TRIPlicate  
Other Instru on  
reverse side

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 ☐

AUG 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

660' FNL & 1830' FWL, Sec. 8, T-18S, R-33E

At proposed prod. zone  
Same

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

10 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)

660'

16. NO. OF ACRES IN LEASE

320

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

11,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3931.2' GR

22. APPROX. DATE WORK WILL START\*

September 15, 1990

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	350'	400 sx
12 1/4"	8 5/8"	28.0	2,900'	1,450 sx
7 7/8"	5 1/2"	15.5 & 17.0	11,500'	See below

Move in drilling rig. Drill 17 1/2" hole to 350'. Run 13 3/8" casing and cement to surface with 400 sx "C" cement w/2% CaCl<sub>2</sub> and 1/4 lbs/sx celloflake. WOC 6 hours. Nipple up BOP and test BOP and casing to 600 psi. Drill 12 1/4" hole to 2900'. Run 8 5/8" casing and cement with 1200 sx 35/65 Poz/"C" cement w/6% gel, 10% NaCl and 1 lb/sx celloflake followed by 250 sx of "C" cement w/2% CaCl<sub>2</sub>. 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.

APPROVAL SUBMITTED TO  
GENERAL ENGINEER AND  
GEOPHYSICIST  
ATTACHED

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

Darell Roberts

TITLE

Sr. Drilling Engineer

DATE

8-2-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Signature of Approving Authority

TITLE

APPROVING AUTHORITY

DATE

8-16-90

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side