

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Opererating 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

330' FSL & 1650' FEL of Sec. 14, 18S, 32E
At proposed prod. zone

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

25 miles NE of Carlsbad, 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

8800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3797.6' GR

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	400+	475 sx CIRCULATE
12 1/4	8 5/8	24.0	2680+	See below CIRCULATE
7 7/8	5 1/2	17.0	8800	See below

Move in drilling rig. Drill 17 1/2" hole to 400'. Run 13 3/8" casing and cement to surface with 475 sx "C" cement w/2% CaCl₂. WOC 6 hours. Nipple up BOP and casing to 600 psi. Drill 12 1/4" hole to 2680' (200' below base of salt). Run 8 5/8" casing and cement with sufficient Cl "C" poz cement w/6% gel, 10% NaCl and 1 lb/sk cello-flake followed by 360 sx of "C" cement w/2% CaCl₂ to circulate. Install BOP and test rams and choke to 3000 psi, annular to 1500 psi. Drill 7 7/8" hole to core point in Queen (+3850'). Cut 60' core. Drill 7 7/8" hole to core point in Penrose (+4120'). Cut 40' core. Drill 7 7/8" hole to TD. Run logs. Run 5 1/2" casing and cement with 50/50 poz/"H" cement, 2% gel, 6 lbs/sk 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. Brutton

TITLE District Drilling Eng.

DATE 8-11-88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.