

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Alameda, NM 88210

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

660' FNL & 660' FWL, Sec. 30, T-19S, R-30E

At proposed prod. zone

Same

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

13 miles south of Loco Hills, NM

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N/A

16. NO. OF ACRES IN LEASE

40

19. PROPOSED DEPTH

5150'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3354.8 - 3349.2' GL

23.

22. APPROX. DATE WORK WILL START*

May 1, 1990

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	18 5/8"	87.5	350'	650 sx
17 1/2"	13 3/8"	48.0	1150'	950 sx
12 1/4"	8 5/8"	24.0 & 32.0	3200'	1040 sx
7 7/8"	5 1/2"	15.5	5150'	500 sx

Move on location and rig up drilling rig. Drill a 24" hole to 350'. Run 18 5/8" casing and cement with 650 sx Class C w/2% CaCl₂. Drill a 17 1/2" hole to 1150'. Run 13 3/8" casing and cement with 700 sx 65/35 Poz "C" with 6% gel, 15% salt, 2% CaCl₂ followed by 250 sx Cl C with 2% CaCl₂. Drill a 12 1/4" hole to 3200'. Run 8 5/8" casing. Cement with 690 sx 65/35 Poz "C" with 6% gel, 15% salt followed by 350 sx Cl C w/2% CaCl₂. Nipple up 3000 psi double ram BOP. Drill a 7 7/8" hole to 5150'. Run 5 1/2" casing. Cement with 500 sx Cl C w/0.5% fluid loss additive.

*set @ 1150' or ~150' below Base of Salt.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
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.

34.

SIGNED

Michael B. Burton

TITLE District Drilling Engineer

DATE 3-23-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY: Signed by: Richard L. Pagnus

TITLE

CARLSBAD RESOURCE AREA

DATE

4-26-90

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.