

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

NOV 05 '87

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

30-015-25831

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			ARTESIAN <input type="checkbox"/>		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		
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 1980' FNL, 660' FWL, Section 3, T-24S, R-31E DIST. 8 N.M. E-SW NW					
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 35 miles NW Jal, NM					
10. 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 320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A			19. PROPOSED DEPTH 15,250'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3435.3'					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	650'	1175 cu.ft. <u>circulated</u>
12 1/4"	9 5/8"	40.0	4,350'	3892 cu.ft. <u>circulated</u>
8 1/2"	7"	26.0 & 29.0	12,000'	1200 cu.ft. <u>circulated</u>
6"	4 1/2"	13.5	11,500-15,250'	660 cu.ft.

13 3/8" casing will be cemented with sufficient Class "C" cement containing 4% gel, 1/4#/sk cellofane flakes to circulate to surface when followed by 330 cu.ft. of Class "C" with 2% Calcium Chloride.

9 5/8" casing to be cemented with sufficient lite cement to circulate to surface when followed by 264 cu.ft. Class "C" containing 2% Calcium Chloride.

7" casing to be cemented with 50/50 Class "H" Poz containing 6# salt per sack and 0.6% fluid loss reducer to bring cement to 8,000'.

4 1/2" casing to be cemented 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. All cement to weigh at least 1 ppg more than mud weight used to drill the interval.

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.

SIGNED Michael R. Burton TITLE Sr. Drilling Engineer DATE 9-30-87

(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