

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEW MEXICO 88240

5. LEASE DESIGNATION AND SERIAL NO.
NM-63020

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bilbrey 28 Fed

9. WELL NO.
A
271

10. FIELD AND POOL, OR WILDCAT
Und. Bilbrey Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T-21S, R-32E

12. COUNTY OR PARISH
Lea

13. STATE
NM

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
1980' FSL, 1980' FWL, Section 28, T-21S, R-32E
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
36 miles NW of Jal, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
1980'

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
15,000

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3682.7 GR

22. APPROX. DATE WORK WILL START*
ASAP

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	4,600'	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	11,500-15,000'	600 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 262 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.

24. SIGNED Michael R. Banta TITLE District Drilling Engineer DATE 7-20-89

(This space for Federal or State office use)

PERMIT NO. Csg. 2, 1980' FSL, 1980' FWL APPROVAL DATE 8-29-89

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

GEN. REG. AND SPECIAL REGULATIONS ATTACHED

*See Instructions On Reverse Side