

SUBMIT IN  
 BLM-CARLS  
 (CATE) on reverse side

30-225-32402  
 Budget A-20  
 Form approved  
 Budget Bureau No. 1004-0136  
 Expires August 31, 1985

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 Operating Partners, L.P. (020290)

3. ADDRESS OF OPERATOR  
 550 W. Texas, Suite 1330, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface (G), 2210' FEL and 2210' FNL, Sec. 18, T-20S, R-34E  
 At proposed prod. zone 1650' (not) D

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 8 miles NE from Halfway Bar, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2210'

16. NO. OF ACRES IN LEASE 280

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. 141'

19. PROPOSED DEPTH 13,700'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3619.4' GR

22. APPROX. DATE WORK WILL START\* November 15, 1993

5. LEASE DESIGNATION AND SERIAL NO.  
 NM-13276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Sinagua 18 Fed Com

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Quail Ridge (Morrow)

11. SEC. T. R. M., OR BLK. AND SURVEY OR AREA  
 Sec. 18, T-20S, R-34E

12. COUNTY OR PARISH  
 Lea

13. STATE  
 NM

PROPOSED CASING AND CEMENTING PROGRAM

R-111-P Potash

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94.0	450'	820 sx to circulate WITNESS
17-1/2"	13-3/8"	61.0	3,300'	1500 sx to circulate WITNESS
12-1/4"	8-5/8"	32.0	5,200'	3500 sx to circulate (See Stips)
7-7/8"	5-1/2"	17.0	13,700'	TOC @ 5000' (200' inside 8-5/8")

We submit this revised casing program in order to obtain approval of this APD, but we must protest the inconsistencies in processing this APD.

1. We have had APD's submitted to drill this well since 2/1/93, and this is the first we have been notified concerning the H2S Plan and the extra casing string.
2. Two comparable depth wells were drilled in 1990 by TXO in Sec. 7, just north of this location, and the additional casing string was not required.
3. We are protecting potash that no one has leased or will ever mine due to the poor economics of mining in this area.
4. This decision to have us comply with NMOCD Order R-111P in a BLM designated drilling island will cost Santa Fe an additional \$100,000.

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 Daniel Pobato TITLE SENIOR DRILLING ENGINEER DATE 10/6/93

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE Acting State Director DATE 11-29-93

CONDITIONS OF APPROVAL: APPLICANT DOES NOT WARRANT CERTIFY THAT THE APPLICANT HOLDS LEGAL OR PROBABLE TITLE TO THOSE RIGHTS IN THE SUB. ECT. WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

\*See Instructions On Reverse Side