

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTRECEIVED  
MAY 12 1995FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Santa Fe Energy Resources, Inc.

## 3. ADDRESS AND TELEPHONE NO.

550 W. Texas, Suite 1330, Midland, Texas 79701 (915) 682-6373

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

(L) 1980' FSL &amp; 660' FWL

At proposed prod. zone

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

4 mi East of Loving, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT. 660'(Also to nearest drlg. unit line, if any)  
18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

## 16. NO. OF ACRES OF LEASE

240 Carlsbad

## 19. PROPOSED DEPTH

12200'

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

2990 GR

## 22. APPROX. DATE WORK WILL START\*

March 25, 1995

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

Secretary's Potash

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	H-40 13-3/8"	48	400'	400 sx to circulate
12-1/4"	K-55 9-5/8"	36	2700'	1350 sx to circulate
8-3/4"	S-95 7"	26	10400'	TOC @ 6000'
6-1/8"	S-95 4-1/2"	13.5	12200'	250 sx (Circ to liner top)

We propose to drill to a depth sufficient to test the Atoka formation for gas. If productive, a 4-1/2" liner will be cemented to TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal Regulations. Specific programs as per Onshore Oil and Gas Order No. 1 are outlined in the following attachments:

## Drilling Program

Exhibit A - Operations Plan  
Exhibit B - BOP and Choke Schematic, 5-M  
Exhibit B(A) - BOP and Choke Schematic, 10-M  
Exhibit C - Drilling Fluid Program  
Exhibit D - Auxiliary Equipment

Exhibit E - Topo Map of Location  
Exhibit F - Plat Showing Existing Wells  
Exhibit F(A) - Plat of Location  
Exhibit G - Well Site Layout  
Surface Use and Operations Plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

*James P. Philpott*

TITLE Agent for Santa Fe Energy

DATE 2-15-95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

*5/6/95 J. Lucero*

TITLE

Associate State Director

DATE

5-5-95

\*See Instructions On Reverse Side