

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)  
N.M. Oil Division  
Artesia, NM

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

CISF

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER Plug back

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Santa Fe Energy Resources, Inc.

3. ADDRESS AND TELEPHONE NO.

550 W. Texas, Suite 1330, Midland, TX 79701

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

At surface

(0), 660' FSL and 1980' FEL

At proposed prod. zone

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

26 miles NE of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. N/A

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

3401' GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

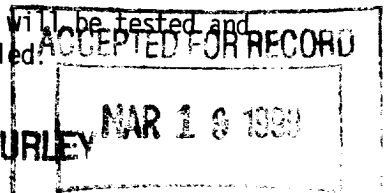
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" H-40	42.0#	530'	500 sx C1 C & H (circ'd)
11"	8-5/8" K-55	24.0 & 32.0	3,098'	700 sx C1 C & H (circ'd)
7-7/8"	5-1/2" L-80/K-55	17.0 & 20.0	12,348'	524 sx Super-C-Mod

It is planned to plug back existing Morrow perfs 12,146'-12,154' & 12,168' by setting a CIBP @ 11,790' with 20' of cement on top of BP. WOC. Test plug to 1000 psi. The Atoka formation will then be perforated 11,354' to 11,370' (97 shots). New Atoka perfs will be swab tested and the well placed on production.

Should the new Atoka perforations prove to be uneconomical to produce, an additional Atoka interval 11,508-11,514' will be perforated w/ 4 SPF.

The new interval will be flow tested to clean up and unload. The FTP and rate will be tested and the well returned to production. Appropriate completion forms will then be filed.

ORIG. SGD.) GARY GOURLEY



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

TITLE Sr. Production Clerk

DATE 3/2/99

(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:

ORIG. SGD.) GARY GOURLEY

APPROVED BY

TITLE

DATE

\*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.