

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ARTESIA, N.M.

ADM 11-12-96

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒ Re-EntryDEEPEN ☐

Nov 12 9 53 AM '96

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Santa Fe Energy Resources, Inc.

20305

3. ADDRESS AND TELEPHONE NO.

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

DEC 12 '96
(915) 682-6373

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

At surface

(J) 1650' FSL & 1980' FEL

At proposed prod. zone

C. D.

ARTESIA OFFICE

5. LEASE DESIGNATION AND SERIAL NO.

NM 86542

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

20102

8. FARM OR LEASE NAME, WELL NO.

Federal "AE" #1

9. API WELL NO.

30-015-23027

10. FIELD AND POOL, OR WILDCAT

16140 Dublin Ranch, Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 20, T-22-S, R-28-E

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

7 miles southeast of Carlsbad, New Mexico

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

10. DISTANCE FROM PROPOSED*

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

1650'

10. NO. OF ACRES IN LEASE

640

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.

3250'

10. PROPOSED DEPTH

12730'

20. ROTARY OR CABLE TOOLS

Rotary

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

3077 GR

22. APPROX. DATE WORK WILL START*

December 10, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65.0	390'	575 sx csg in place
14 3/4"	10 3/4"	40.5	2705'	2445 sx csg in place
9 1/2"	7 5/8"	29 & 33.7	10614'	2010 sx csg in place
6 1/2"	4 1/2"	13.5	10286'-12728'	550 sx csg in place
6 1/2"	K-80 5 1/2"	17.0	10286'	400 sx for TOC @ 5000'

We propose to re-enter the former Amoco Federal "AE" #1 to test the Morrow formation for gas. If productive, 5 1/2" casing will be run 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

Exhibit C - Drilling Fluid Program

Exhibit D - Auxiliary Equipment

Exhibit E - Topo Map at Location

Exhibit F - Plat Showing Existing Wells

Exhibit G - Well Site Layout

Surface Use and Operations Plan

Santa Fe Energy Resources, Inc. accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portion thereof, as described above.

Bond Coverage: Blanket Bond

BLM Bond File No.: MT 0750

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 B. "Blind" Stinson

Agent for Santa Fe Energy

DATE 11-8-96

(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 (ORIG. SGD.) TONY L. FERGUSON

TITLE

ADM, MINERALS

DATE

12-11-96

*See Instructions On Reverse Side