

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

421
 FORM APPROVED BY
 RECEIVED NOV 08 1983
 NM-19442
 ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL AMENDED DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 SANTA FE EXPLORATION COMPANY (505-623-2733)
 (Steve Simmons)

3. ADDRESS OF OPERATOR
 P. O. Box 1136, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1980' FSL & 660' FWL of Section (NW 1/4 SW 1/4)
 At proposed prod. zone (Unit L)
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 33 air miles east-southeast of Artesia, NM

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

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. --

19. PROPOSED DEPTH 2500' Capitan

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3459.1GL

22. APPROX. DATE WORK WILL START*
 October 31, 1983

5. LEASE OR MINING INTEREST SERIAL NO.
 NM-19442

6. IF INDIAN, CLOSER TO TRIBE NAME
 -- ARTESIA, OFFICE

7. UNIT AGREEMENT NAME
 --

8. FARM OR LEASE NAME
 MASON FEDERAL

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 North Hackberry (Y-SR) - Ex+

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Sec. 33-19S-31E

12. COUNTY OR PARISH Eddy

13. STATE NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	53#	20'	Redi-Mix
11"	8 5/8"	24#	600'	Sufficient to circulate
7 7/8"	5 1/2"	14#	2500'	Circulate

Original Location - 2310' FSL & 330' FWL Sec. 33-19S-31E
 Amended Location - 1980' FSL & 660' FWL Sec. 33-19S-31E

*Printed SD-1
 & 1/2 Book
 11-4-83*

Drillsite was moved from the original location because it was not a standard location for a deep gas well and operator is contemplating deepening this well to the Morrow formation.

Attached is a new Well Location and Acreage Dedication Plat for the amended location. New Mexico Archaeological Services, Inc. of Carlsbad, NM has made a survey of the amended road and drillsite areas, and has recommended that the proposed construction work be approved.

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 Steve L. Simmons TITLE Clerk DATE October 29, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
 GENERAL REQUIREMENTS AND
 SPECIAL STIPULATIONS
 ATTACHED