

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> Amended DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-19442
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
2. NAME OF OPERATOR Santa Fe Exploration Company (505-623-2733)			7. UNIT AGREEMENT NAME ---
3. ADDRESS OF OPERATOR P.O. Box 1136, Roswell, NM 88201			8. FARM OR LEASE NAME Mason Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FSL & 660' FWL of Section At proposed prod. zone same			9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 33 air miles east-southeast of Artesia, NM			10. FIELD AND POOL, OR WILDCAT Wildcat-Morrow
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 33-19S-31E
16. NO. OF ACRES IN LEASE 160			12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			13. STATE NM
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. --			19. PROPOSED DEPTH 13,000' Morrow
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* October 31, 1983
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 3459.1 GL			

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
17-1/2"	13-3/8"	54.5#	600'	Circulate
11"	8-5/8"	24 & 32#	5,000'	500 sx CIRCULATE
7-7/8"	5-1/2"	17 & 20#	13,000'	700 sx <i>See back 200' minimum into 8 1/2" casing</i>

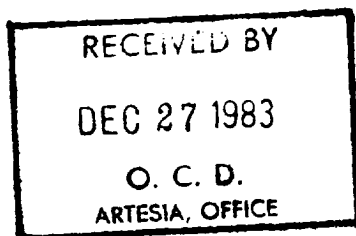
Original depth 2500' - formation Yates Seven Rivers - Oil (40 acres)
Amended depth 13,000' - formation Morrow - Gas (320 acres)

RECEIVED

DEC 20 1983

OIL & GAS

ROSWELL, NEW MEXICO



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. Steve L. Simmons
SIGNED Steve L. Simmons TITLE Agent DATE 12/19/83

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE _____

APPROVED BY (ORIG. SGD.) DAVID R. GLASS TITLE _____ DATE _____

CONDITIONS OF APPROVAL DEC 23 1983

*See Instructions On Reverse Side