

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

30-015-24745

Form C-101
Revised 10-1-78

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P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

5A. Indicate Type of Lease
STATE ☐ FEDERAL ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Burkham Fed. Com.	
2. Name of Operator Santa Fe Energy Company		9. Well No. 1	
3. Address of Operator 500 W. Ohio, Midland, Texas 79701		10. Field and Pool, or Wildcat MAYAGA MORROW	
4. Location of Well UNIT LETTER M LOCATED 660 FEET FROM THE South LINE AND 990 FEET FROM THE West LINE OF SEC. 12 TWP. 24S RGE. 28E NMPM		17. County Eddy	
19. Proposed Depth 13,500		19A. Formation Morrow	
20. Rotary or C.T. Rotary			
1. Elevations (Show whether DP, RT, etc.) 2971.7 GL		21A. Kind & Status Prog. Bond Blanket	
21B. Drilling Contractor To be determined		22. Approx. Date Work will start 6/1/84	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
24"	20"	94.0	400'±	900	Surface
17 1/2"	13-3/8"	61.0	2,700'±	2300	Surface
12 1/4"	9-5/8"	40.0	9,950'±	1700	5000'
8 1/2" & 7-7/8"	5-1/2"	20.0	13,500'±	1000	9500'

20" casing will be cemented with sufficient Class "C" containing 2% CaCl₂ to circulate to surface. 13-3/8" casing will be cemented with sufficient "lite" cement and Class "C" containing 2% CaCl₂ to circulate to surface. 9-5/8" casing will be cemented with sufficient "lite" cement and Class "C" neat for 5000' of fill. 5 1/2" casing will be cemented with sufficient Class "H" cement to fill to 500' inside 9-5/8" casing. All cement to weigh 1.0 ppg or more greater than mud weight used to drill specific interval. BOP equipment will consist of a 20" annular preventor from 400' to 2700', a 13-3/8" 5000 psi double ram with bag type annular preventor from 2700' to 9950'; and 11" 5000 psi triple ram preventor with bag type annular preventor and rotating head from 9950' to 13,500'. Zones of interest will be evaluated with the use of electric logs, drill stem tests, and/or cores.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 1-31-85
UNLESS DRILLING UNDERWAY

Post 2-2-84
P. O. Box 2088

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Michael R. Boutin Title Sr. Drilling Engineer Date 4/30/84

(This space for State Use)

APPROVED BY BY LARRY BROOKS TITLE GEOLOGIST - NMOC DATE JUL 31 1984

CONDITIONS OF APPROVAL, IF ANY:

NSA-1822