

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTOIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-101
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	☒
FILL	☒
U.S.G.S.	☒
LAND OFFICE	☒
OPERATOR	☒

RECEIVED BY

NOV 08 1983

O. C. D.
ARTESIA, OFFICE

5A. Indicate Type of Lease

STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

14. Type of Work a. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐ b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		7. Unit Agreement Name
2. Name of Operator Santa Fe Energy Company		8. Farm or Lease Name Carrasco
3. Address of Operator 500 W. Ohio, Midland, Texas 79701		9. Well No. 1
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>990</u> FEET FROM THE <u>North</u> LINE AND <u>990</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>18</u> TWP. <u>23G</u> RGE. <u>28E</u> NMPM		10. Field and Pool, or Wildcat North Loving Morrow
11. Elevations (show whether DE, RT, etc.) 3059.0		12. County Eddy
21A. Kind & Status Plug. Bond Blanket	19. Proposed Depth 12,600'	15A. Formation Morrow
21B. Drilling Contractor To be determined	20. Rotary or C.T. Rotary	22. Approx. Date Work will start November 15, 1983

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
24"	20"	94#	400'	582	Surface
17½"	13-3/8"	54.5#	2370'	1770	Surface
12¼"	9-5/8"	40.0#	10670'	1790	5670'
7-7/8"	5-1/2"	20.0#	12600'	573	9700'

Move on location and rig up rotary tools. Drill 24" hole to 400'. Run 20" casing and cement from 400' back to surface. *WOC 8 hours. Test casing to 600 psi. Drill 17½" hole to 2370'. Run electric logs. Run 13-3/8" casing and cement from 2370' back to surface. *WOC 8 hours. Nipple up BOP equipment. Test casing to 1500 psi. Drill 12¼" hole to 10,670'. Run electric logs. Run 9-5/8" casing and cement from 10,670' back to 5670'. *WOC 8 hours. Test casing to 1500 psi. Drill 10'. Test casing seat to 13.0 ppg MWE. Drill 7-7/8" hole to 12,600'. Drill stem test zones of interest. Run electric logs. Depending upon log and drill stem test results, either run 5½" casing and cement from 12,600' back to 9700' or plug and abandon as per New Mexico Oil Conservation Division Rules, Regulations, and instructions.

APPROVAL VALID FOR 180 DAYS
PERMIT LATES 6-6-84
UNLESS DRILLING UNDERWAY

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. Burt Title Sr. Drilling Engineer Date 10-19-83

(This space for State Use)

APPROVED BY Mike Wallman TITLE OIL AND GAS INSPECTOR DATE DEC 0 6 1983
CONDITIONS OF APPROVAL, IF ANY

* MIN WOC 18hrs AS PER RULE 107 OPI OPI 8hrs.

NSH-1769 App. 11-28-83

Posted and
10-12-83
11-6-83