

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

30-015-25698
Form C-101
Revised 10-1-78

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OPERATOR	<input checked="" type="checkbox"/>

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5A. Indicate Type of Lease
STATE ☒ FEDERAL ☐
5. State Oil & Gas Lease No.
1405

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐
2. Name of Operator
Santa Fe Energy Operating Partners, L. P.
3. Address of Operator
500 W. Illinois, Suite 500, Midland, TX 79701
4. Location of Well UNIT LETTER N LOCATED 1980 FEET FROM THE West LINE
AND 990 FEET FROM THE South LINE OF SEC. 2 TWP. 22S RGE. 27E NMPM
7. Unit Agreement Name
8. Farm or Lease Name
Chase State 2 State
9. Well No.
1
10. Field and Pool, or Wildcat
Undes. East Carlsbad (Strawn)
12. County
Eddy
19. Proposed Depth
10,700'
19A. Formation
Strawn
20. Rotary or C.T.
Rotary
21. Elevations (show whether DF, RT, etc.)
3105.4 GL
21A. Kind & Status Plug. Bond
Current-Blanket
21B. Drilling Contractor
To be determined
22. Approx. Date Work will start
As soon as permitted

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48.0	450'	475	Surface
12 1/4	8 5/8	24.0	2200'	980	Surface
7 7/8	5 1/2	17.0	10700'	400	8000'

Move on location and rig up. Drill 17 1/2" hole to 450'. Run 13 3/8" casing and cement with 627 cu.ft. of Class C cement containing 2% CaCl₂. Wait on cement until 500 psi compressive strength is obtained. Nipple up diverter system consisting of 1 bag type preventer. Test casing to 600 psi. Drill 12 1/4" hole to 2200'. Run 8 5/8" casing and cement with 1550 cu.ft. 65/65 Class C poz containing 0.25# per sack flocele followed by 396 cu.ft. Class C containing 2% CaCl₂. Wait on cement until 500 psi compressive strength is obtained. Nipple up 5000 psi double ram BOP with hydrill. Test casing to 1500 psi. Drill 7 7/8" hole to 10,700'. Either plug and abandon or run 5 1/2" casing and cement with sufficient Class H to cover possible producing zones.

NSL-2302
Appv. 12-1-86

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5/12/87
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. Buntin Title Senior Drilling Engineer Date 11/5/86

(This space for State Use)

APPROVED BY Daniel Moore TITLE Geologist DATE 11/12/86

CONDITIONS OF APPROVAL, IF ANY:

Notify N.M.O.C.C. in sufficient time to witness cementing the 8 5/8" casing