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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>		8. Farm or Lease Name Neeley	
2. Name of Operator Santa Fe Energy Company ✓		9. Well No. 1	
3. Address of Operator 7200 I-40 West		10. Field and Pool, or Wildcat Undesignated South Carlsbad Morrow	
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>990</u> FEET FROM THE <u>north</u> LINE AND <u>990</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>28</u> TWP. <u>22S</u> RGE. <u>27E</u> NMPM		12. County Eddy	
19. Proposed Depth 12,200'		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3117' 60"	
21A. Kind & Status Plug. Bond Blanket, Current		21B. Drilling Contractor To be determined	
22. Approx. Date Work will start September 15, 1983			

23. 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	600	375	Circulated
12 1/4"	9 5/8"	36	5325	900	Circulated
7 7/8"	5 1/2"	20	12,200	1500	500' above top of possible producing zone

Drill a 26" hole with rathole machine. Run and cement 40' of 20" conductor. Move in and rig up rotary tools. Drill a 17 1/2" hole to 600' with fresh water spud mud. Run, set and cement 13 3/8" casing. WOC 12 hours (compressive strength of cement to be 500 psi or greater). Install casinghead and nipple up BOP stack with choke manifold. Test BOP and casing to 600 psi. Drill 12 1/4" hole to 5325' with brine. Run open hole logs from TD to 2000'. Run, set and cement 9 5/8" casing. WOC 12 hours (compressive strength of cement to be 500 psi or greater). Test BOP and choke manifold to 5000 psi. Test spherical preventer to 2500 psi. Test casing to 2500 psi. Drill shoe and test casing seat to 14 ppg MWE. Drill 7 7/8" hole to 11,860' allowing hole conditions to dictate mud properties. Run DST's and core as indicated by samples and shows. Run open hole logs from TD to 5325'. Run, set and cement 5 1/2" casing.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6-30-84
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 William H. Carter Title Assistant Commissioner Date 9/2/83

(This space for State Use)

APPROVED BY Mike Walker TITLE OIL AND GAS INSPECTOR DATE SEP 20 1983
CONDITIONS OF APPROVAL, IF ANY:

MSL-1739

Hand 9-11-83

Printed and
10-1-83
9-20-83