

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.G.S.	2
LAND OFFICE	
OPERATOR	<input checked="" type="checkbox"/>

RECORDED BY
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501
O. C. D.
ARTESIA, OFFICE

Form C-101
Revised 10-1-78
30-015-25300
5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Santa Fe Energy Company ✓		8. Farm or Lease Name Ferguson
3. Address of Operator 500 W. Illinois, Suite 500, Midland, Texas 79701		9. Well No. 1
4. Location of Well UNIT LETTER J LOCATED 1550' FEET FROM THE South LINE AND 1980' FEET FROM THE East LINE OF SEC. 23 TWP. 22S RGE. 27E NMPM		10. Field and Pool, or Wildcat Undesignated S. Carlsbad
		12. County Eddy
19. Proposed Depth 12,400		19A. Formation Morrow
20. Rotary or C.T. Rotary		
21. Elevations (show whether DF, RI, etc.) 3081.8 GL	21A. Kind & Status Plug. Bond blanket - current	21B. Drilling Contractor To be determined
22. Approx. Date Work will start June 1, 1985		

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"	48.0	200	210	Surface
12-1/4"	10-3/4"	45.5	2200	540	Surface
9-1/2"	7-5/8"	26.40 & 29.70	9200	410	7200
6-1/2"	5"	18.0	8900-12,400	580	8900

Move on location. Drill 17-1/2" hole to 200'. Run and cement 13-3/8" casing. WOC until 500 psi compressive strength obtained (Option 2). Nipple up annular preventor. Test preventor and casing to 600 psi. Drill 12-1/4" hole to 2200'. Run and cement 10-3/4" casing. WOC until 500 psi compressive strength obtained. Nipple up 5000 psi BOP stack and choke manifold. Test to 1500 psi. Test casing to 1500 psi. Drill 9-1/2" hole to 9200'. Log. Run and cement 7-5/8" casing. WOC until 500 psi compressive strength obtained. Test BOP and choke manifold to 5000 psi. Drill 6-1/2" hole to 12,400'. Log. Run drillstem test if appropriate. Either plug and abandon or run and cement 5" liner.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 12-28-85
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. Burton Title Sr. Drilling Engineer Date 4/30/85

(This space for State Use)

ORIGINAL SIGNED
BY LARRY BROOKS
GEOLOGIST - NMOCD

APPROVED BY _____ TITLE _____ DATE MAY 28 1985

CONDITIONS OF APPROVAL, IF ANY:

NSL-2650 4-30-85