

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-101
Revised 10-1-78

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OPERATOR	

5A. Indicate Type of Lease
STATE ☒ REC ☐

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Humble Hume 5A State
2. Name of Operator Santa Fe Energy Operating Partners, L.P.		9. Well No. 21
3. Address of Operator 500 W. Illinois, Suite 500, Midland, TX 79701		10. Field and Pool, or Wildcat Hume/Morrow Wolfcamp
4. Location of Well UNIT LETTER S LOCATED 1980 FEET FROM THE West LINE AND 1980 FEET FROM THE South LINE OF SEC. 5 TWP. 16S RGE. 34E NMPM		12. County Lea
19. Proposed Depth 10,300'		19A. Formation Wolfcamp
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 4138.4	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor To be bid
22. Approx. Date Work will start 5-15-88		

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	450	450 sx	Surface
12 1/4"	8 5/8"	24.0 & 32.0	4500	2500 sx	Surface
7 7/8"	5 1/2"	23.0	10300	800 sx	3000'

Move in rig and drill 17 1/2" hole to 450+. Run 13 3/8" casing and cement to surface with Class C cement w/2% CaCl₂. Drill 12 1/4" hole to 4500'. Run 8 5/8" casing and cement to surface with 65/35 Class C cement/Poz, 6% gel, 10% salt and 1 lb/sk celloflake, followed by 360 sx Class C cement. Drill 7 7/8" hole to 10,300'. Run 5 1/2" casing and cement to 3000' with 65/35 Class C cement/Poz (3000-9000') followed by 50/50 Class H cement/Poz, 2% gel, 0.8% fluid loss additive (9000-10,300').

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 Sr. Drilling Engineer Date 5-12-88

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT 1 SUPERVISOR

APPROVED BY _____ TITLE _____ DATE MAY 16 1988

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.