

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

JUN 11 '90

API NO. (assigned by OCD on New Wells) <u>30-015-26397</u>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-6846

7. Lease Name or Unit Agreement Name Muskegon "20" State Com

8. Well No. 1

9. Pool name or Wildcat Empire South (Morrow)
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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>
b. Type of Well: 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"/>

2. Name of Operator Santa Fe Energy Operating Partners, L.P.

3. Address of Operator 500 W. Illinois, Suite 500, Midland, TX 79701

4. Well Location Unit Letter <u>H</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line Section <u>20</u> Township <u>17S</u> Range <u>29E</u> NMPM <u>Eddy</u> County
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10. Proposed Depth 10,900'	11. Formation Morrow	12. Rotary or C.T. Rotary
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13. Elevations (Show whether DF, RT, GR, etc.) 3605.1' GR	14. Kind & Status Plug. Bond Blanket	15. Drilling Contractor To be bid	16. Approx. Date Work will start July 15, 1990
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17. 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	2,600'	1600 sx	Surface
7 7/8"	5 1/2"	15.5 & 17.0	10,900'	1500 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 2600'. Run 8 5/8" casing and cement to surface with 65/35 Class C cement/Poz, 6% gel, 10% salt and 1/4 lb/sk celloflake, followed by 200 sx Class C cement. Drill 7 7/8" hole to 10,900'. Run 5 1/2" casing and cement to 3000' with 65/35 Class C cement/Poz (3000-8000') followed by Class H cement, 1.0% fluid loss additive, 5% salt (8000-10,900').

11 x 3000 annular preventer on 8 5/8" csg, blind ram, pipe ram, choke manifold - test casing to 1500 psi & test BOP stack to 3000 psi.

APPROVED FOR 180 DAYS
PERMIT EXPIRES 12-12-90
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.

SIGNATURE Darrell Roberts TITLE Senior Drilling Engineer DATE 6-7-90
TYPE OR PRINT NAME Darrell Roberts TELEPHONE NO. 915/687-3551

(This space for State Use)
ORIGINAL SIGNED BY
MIKE WILLIAMS

APPROVED BY SUPERVISOR, DISTRICT II TITLE DATE JUN 12 1990

CONDITIONS OF APPROVAL, IF ANY: