

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

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

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

ARI NO. (assigned by OCD to New Wells)
30-041-20872
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. VA-610

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 checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>					
2. Name of Operator Santa Fe Energy Operating Partners, L.P.					
3. Address of Operator 550 W. Texas, Suite 1330, Midland, Texas 79701					
4. Well Location Unit Letter H : 1980 Feet From The North Line and 660 Feet From The East Line Section 36 Township 1S Range 31E NMPM Roosevelt County					
10. Proposed Depth 7,500'		11. Formation Montoya		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 4236' GR		14. Kind & Status Plug. Bond Blanket-current		15. Drilling Contractor To be determined	
16. Approx. Date Work will start October 15, 1993					
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	350'	350 sx	Surface
12-1/4"	8-5/8"	32.0	2500'	1200 sx	Surface
7-7/8"	5-1/2"	15.5 & 17.0	7500'	500 sx	4500'

Move on location and rig up. Spud 17-1/2" hole and drill to  $\pm 350'$ . Run 13-3/8" casing and cement with sufficient Class "C" containing 2%  $\text{CaCl}_2$  to circulate to surface. WOC 4 hours prior to cut off and weld on 13-3/8" casing head and NU 13-5/8" annular BOP. Test casing and BOP to 600 psi for 30 minutes. Drill a 12-1/4" hole to  $\pm 2500'$ . Run 8-5/8" casing and cement with sufficient Class "C" containing 2%  $\text{CaCl}_2$  to circulate to surface. WOC 6 hours prior to cut off and weld on 8-5/8" casing head. NU 11" x 3000 psi BOP stack on 8-5/8" casing - to consist of an annular BOP, double ram preventer, rotating head, and choke manifold. Test casing to 1500 psi and BOP stack to 3000 psi. Drill 7-7/8" hole to 7,500'. Log, run 5-1/2" casing and cement to 4500' with Class "H" cement + 1.0% fluid loss additive + 5% salt.

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 Sr. Drilling Engineer DATE Sept. 8, 1993  
TYPE OR PRINT NAME Darrell Roberts TELEPHONE NO. 915/ 687- 3551

(This space for State Use)

Orig. Signed by  
Paul Kautz  
Geologist

APPROVED BY \_\_\_\_\_ DATE SEP 10 1993

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

**RECEIVED**

SEP 09 1993

COMPTON'S  
OFFICE