

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

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

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

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

API NO. (assigned by OCD on New Wells)

30-225-32138

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-2787

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

7. Lease Name or Unit Agreement Name

Thistle Unit 33 State

2. Name of Operator

Santa Fe Energy Operating Partners, L.P.

8. Well No.

1

3. Address of Operator

550 W. Texas, Suite 1330, Midland, Texas 79701

9. Pool name or Wildcat *Wildcat*
~~Undesignated~~ (Delaware)

4. Well Location

Unit Letter C : 790 Feet From The North Line and 1780 Feet From The West Line

Section 33

Township 23S

Range 33E

NMPM

Lea

County

10. Proposed Depth

9200'

11. Formation

Delaware

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3670' GR

14. Kind & Status Plug. Bond

Blanket - current

15. Drilling Contractor

To be determined

16. Approx. Date Work will start

August 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	600'	600 sx	Circ. - surf.
12-1/4"	8-5/8"	32.0	5100'	2500 sx	Surface
7-7/8"	5-1/2"	15.5 & 17.0	9200'	1500 sx	4800'

Move on location and rig up. Spud 17-1/2" hole and drill to $\pm 600'$. Run 13-3/8" casing and cement with sufficient Class "C" containing 2% CaCl_2 to circulate to surface. WOC 4 hours prior to cut-off and weld on 13-3/8" casing head and NU 13-3/8" annular preventer and choke manifold. Test casing to 600 psi and BOP stack to 1500 psi. Drill 12-1/4" hole to $\pm 5100'$. Run 8-5/8" casing and cement with sufficient 35/65/6 Class C Lite followed by Class C Neat to circulate. Drill 7-7/8" hole to 9200'. Run 5-1/2" casing and cement to 4800' with Class "C" cement with a stage collar at $\pm 6000'$.

An 11" x 3000 psi BOP stack will be nipped up on the 8-5/8" casing. It will consist of an annular double ram preventer and choke manifold - test casing to 1500 psi and test BOP stack to 3000 psi.

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 Danell Pobeto TITLE Sr. Drilling Engineer DATE July 21, 1993

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE JUL 23 1993

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Appr
Date Unless Drilling Underway.

RECEIVED

JUL 2 1966

U.S. DEPARTMENT OF
HEALTH, EDUCATION & WELFARE