

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

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

ARTESIA, OFFICE

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

Walker

2. Name of Operator

Santa Fe Energy Operating Partners, L.P.

8. Well No.

1

3. Address of Operator

500 W. Illinois, Suite 500, Midland, TX 79701

9. Pool name or Wildcat

Und. Carlsbad, S. (Strawn)

4. Well Location

Unit Letter I : 1980 Feet From The South Line and 990 Feet From The East Line

Section 21

Township 22S

Range 27E

NMPM

Eddy

County

10. Proposed Depth

10,526-10,538'

11. Formation

Strawn

12. Rotary or C.T.

Service Unit

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

3135.8' KB

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

N/A

16. Approx. Date Work will start

As soon as permitted

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	54.5	590	600	Surface
12-1/4	9-5/8	36.0	5354*	2300 + 1250	Surface
8-3/4	5-1/2	17.0	11,960	1400	8220' by T.S.

*DV @ 1511'

Proposed Program: Abandon the Morrow perms (11,514-11,835') by setting a CIBP at 11,500' (cap w/50' cmt) and recomple to the Strawn from 10,526-10,538'. The Morrow is currently depleted after producing 1.1 BCF. The strawn could have a maximum BHP of 5300 psi (9.7 ppq).

Note: After setting the CIBP & capping w/ cmt, we will perf and cement squeeze the 5-1/2" casing at 9118' to eliminate the pressure that is currently building between the 9-5/8" and 5-1/2" annulus. After drilling out the retainer and cement, the casing will be pressure tested prior to perforating the Strawn.

BOP: All work will be done with a standard pulling unit w/ 3000 psi manual BOP.

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 C. Robert Winkler III TITLE Sr. Production Engineer DATE 9-10-90

TYPE OR PRINT NAME C. Robert Winkler, III TELEPHONE NO. 915/687-3551

(This space for State Use)

ORIGINAL SIGNED BY
MIKE WILLIAMS
SUPERVISOR, DISTRICT II

APPROVED BY _____ TITLE _____ DATE SEP 18 1990

CONDITIONS OF APPROVAL, IF ANY:

Squeezing 5 1/2" csg @ 9118