

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

O. C. D.  
ARTESIA - SANTA FE

API NO. (assigned by OCD on New Wells)

30-015-24959

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:

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

Burton Flat

2. Name of Operator

Merit Energy Company

8. Well No.

2

3. Address of Operator

12221 Merit Drive, Suite 500, Dallas, TX 75251

9. Pool name or Wildcat

NW Fenton (Proposed)

4. Well Location

Unit Letter 0 : 3300 Feet From The South Line and 1980 Feet From The East Line

Section 1 Township 21S Range 27E NMPM Eddy County

10. Proposed Depth

5700 P.B.

11. Formation

Delaware (Proposed)

12. Rotary or C.T.

NA

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

3178 GR

14. Kind & Status Plug. Bond

Active Blanket

15. Drilling Contractor

NA

16. Approx. Date Work will start

1-15-93

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	630	675 sx Cl C	Surface
11	8 5/8	24	2539	1700 sx Cl C	Surface
7 7/8	5 1/2	15.5	5708	1025 sx Cl C	2400'

Currently this well is completed in the E. Avalon Bone Springs through perfs at 5552'-5574'. We propose to abandon the Bone Springs with a CIBP at 5500' topped with 35' cmt (PBSD 5480'). We then propose to complete the Delaware in two stages with perfs from 3014'-3026', 3090'-3100', 3112'-3130' in first stage and perfs from 2880'-2888', 2902'-2930', 2948'-2958' in stage two. Both stages will include a frac stimulation of approximately 100,000# sand each. The well will be placed on production through all perfs.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 7/25/93  
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 Sheryl J. Carruth TITLE Regulatory Manager DATE 1-7-93

TYPE OR PRINT NAME Sheryl J. Carruth TELEPHONE NO.

(This space for State Use) ORIGINAL SIGNED BY

MIKE WILLIAMS

APPROVED BY SUPERVISOR, DISTRICT I

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAN 10 1993