

OWNER: Lick Creek Water System (Well #2)
DRILLER: Yeary Drilling Company
COUNTY: Russell (St. Paul)

VDMR: 2052
WWCR: 28
TOTAL DEPTH: 175'

GEOLOGIC LOG

Depth in feet

| | |
|---------|--|
| 0-35 | No sample |
| 35-45 | Subgraywacke - light-gray, very-fine-grain, poorly sorted, angular, micaceous, slightly carbonaceous |
| 45-55 | " |
| 55-65 | Siltstone - medium-gray, micaceous, carbonaceous |
| 65-75 | " |
| 75-85 | " |
| 85-95 | " |
| 95-100 | Subgraywacke - light-gray, very-fine-grained, poorly sorted, angular, micaceous, slightly carbonaceous; some siltstone |
| 100-110 | " with some coal |
| 110-120 | " " |
| 120-130 | " " |
| 130-140 | Siltstone - medium-gray, micaceous, carbonaceous; some subgraywacke |
| 140-150 | " |
| 150-160 | " less subgraywacke |
| 160-170 | " |
| 170-175 | No sample |

GEOLOGIC SUMMARY

| <u>Rock Unit</u> | <u>Age</u> |
|------------------|---------------|
| Lee Formation | Pennsylvanian |

Virginia Division of Mineral Resources
W. W. Winters, Geologist
December 15, 1967

VDMR - 2052
COMMONWEALTH OF VIRGINIA WWCRC - 28
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Lick Creek Water System Mailing Address: St. Paul, Virginia

TENANT: Well #2 Mailing Address: _____

DRILLER: Yeary Drilling Company Mailing Address: Coeburn, Virginia

WELL LOCATION: County Russell Approx. 1 ~~xxx~~ miles northeast (direction) of

St. Paul, Va. and 1/4 ^{feet} miles north (direction) of Dante Highway

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: August 10, 1967 DATE COMPLETED: August 25, 1967

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 175 feet

WATER LEVEL: Stands 23 feet below surface OR _____

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumping Sub Pump

Drawdown 39 feet

Rate 21-18 gal. per min.

Duration _____ hrs., _____ min.

WATER ZONES: from 33760-Gals to _____ feet

from 37 to 48 feet

from 125 to 130 feet
from 140 to 150 feet

WATER: Color clear Taste _____

Odor yes Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry X Other _____

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes X No _____

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: _____

HOLE SIZE: 10 inches from 0 to 50 feet

5 5/8 inches from 50 to 175 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 5 5/8 inches from 0 to 55 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Hand Poured

27 bags
Material cement Depth 54'6" feet

PUMP: Type Submersible

Capacity 22 gal. per min

Depth of intake 165 feet

FURNISHED BY: Yeary Drilling Company

DATE: _____

| DEPTH (feet) | | TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.) | REMARKS (water, caving, shot, screen, sample, etc.) |
|--------------|-----|--|--|
| FROM | TO | | |
| 0 | 9 | Yellow sandstone medium hard | Medium hard |
| 9 | 48 | Gray sandstone very hard | Very hard |
| 48 | 54 | Yellow sandstone medium hard | Small amount of water at 37' |
| 54 | 95 | Gray shale medium hard | Brought in more water at about 48' |
| 95 | 125 | Gray sandstone medium hard | Well doing about 5 gallons per minute |
| 125 | 133 | Gray sandstone medium hard and very abrasive | Grouted well Saturday, August 19, 1967. Used 20 bags cement, need about 8-10 more to finish job. |
| 133 | 140 | Gray black shale medium soft | 55' 5 5/8 in. well casing in well |
| 140 | 145 | Gray sandstone soft | Finished grouting 8/29/67 with 7 bags cement. Total amount cement used 27 bags |
| 145 | 175 | Gray black shale soft | |

