



OWNER: Kenneth Jones  
DRILLER: Lindsay's Water Service  
COUNTY: Augusta (Deerfield)

VDMR: 2086  
WWCR: 385  
TOTAL DEPTH: 83'

GEOLOGIC LOG

Depth in feet

|       |   |
|-------|---|
| 8-10  | Shale - dark-gray to black, slightly fissile, trace of pyrite;<br>some sand and weathered shale |
| 18-20 | "   |
| 28-30 | "   |
| 38-40 | " with trace of quartz  |
| 48-50 | "   |
| 58-60 | Shale - black, moderately fissile, some calcite and pyrite                                      |
| 68-70 | " trace of pyrite   |
| 78-80 | " "   |

GEOLOGIC SUMMARY

| <u>Rock Unit</u> | <u>Age</u>                  |
|------------------|-----------------------------|
| 0-8'             | No Sample                   |
| 8-80'            | Millboro Formation Devonian |
| 80-83'           | No Sample                   |

Virginia Division of Mineral Resources  
W. W. Winters, Geologist  
January 10, 1968

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR - 2086  
WWCR - 385

MAILING ADDRESS:

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DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Kenneth Jones Mailing Address: Deerfield, Virginia

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Lindsay's Water Service Mailing Address: Box 377, Hot Springs, Virginia

WELL LOCATION: County Augusta Approx. 400 ~~miles~~ <sup>feet</sup>            south (direction) of  
Deerfield Post Office and            <sup>feet</sup>            miles (direction) of \_\_\_\_\_

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

DATE STARTED: December 1966 DATE COMPLETED: December 1966

TYPE OF DRILL RIG USED: Cable TOTAL DEPTH 83 feet

WATER LEVEL: Stands 2' <sup>feet</sup> above ground            below surface OR

has NATURAL flow of 1 gallons per minute.

YIELD TEST: Method \_\_\_\_\_

Drawdown 75 feet

Rate 12 gal. per min.

Duration 1 hrs., \_\_\_\_\_ min.

WATER ZONES: from 10 to 12 (cased off) feet

from 74 to 76 feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. 55° °F

OTHER \* \_\_\_\_\_

WELL TO SUPPLY: (check one) Home X

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other \_\_\_\_\_

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X

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: Bedrock at 12' - Water flowing through riverjacks on surface of slate washes  
grouting material away at this level.

\* Fe=0.5 ppm -- Hardness=103 ppm -- Ph=7.5 -- H<sub>2</sub>S odor

HOLE SIZE: 10 inches from 0 to 50 feet

5 5/8 inches from 50 to 83 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 5 5/8 ID \_\_\_\_\_ inches from 0 to 50 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

GROUTING: Method Pumped

Material Portland Cement Depth 50 feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal. per min

Depth of intake \_\_\_\_\_ feet

# LOG

FURNISHED BY: J. A. Lindsay, III

DATE: January 1968

| DEPTH<br>(feet) |    | TYPE OF ROCK OR SOIL PENETRATED<br>(gravel, clay, etc., hardness, color, etc.) | REMARKS<br>(water, caving, shot, screen, sample, etc.)  |
|-----------------|----|--|---|
| FROM            | TO |  |   |
| 0               | 12 | Loose sandy soil with many riverjacks  | Falls in bally - retainer pipe needed to hold riverjacks back so drilling could proceed. 50 gpm plus flow of surface water through riverjacks |
| 12              | 83 | Hard black slate   | Water at 74-76' (12 gpm)  |

(Use additional forms if necessary)