

OWNER: National Park Service - Otter Creek, Well #4 VDMR: 2152
 DRILLER: Frank W. Martin Drilling Co., Inc. WWCR: 173
 COUNTY: Amherst (Snowden) TOTAL DEPTH: 150'

GEOLOGIC LOG

| <u>Depth in feet</u> | |
|--------------------------|--|
| 0-10 | Saprolite — tan; weathered and iron-oxide stained quartzite and slate, some clay |
| 10-20 | Quartzite — light-gray, fine-grained; interlaminated by soft, gray slate; sheared |
| 20-30 | " |
| 30-40 | " |
| 40-50 | " |
| 50-60 | Slate — dark-gray, cryptocrystalline to very-slightly microcrystalline; soft, very fissile; minor amount of vein quartz; sheared |
| 60-70 | " |
| 70-80 | " |
| 80-90 | " no vein quartz |
| 90-100 | " " |
| 100-110 | " |
| 110-120 | " |
| 120-130 | " no vein quartz |
| 130-140 | " trace of vein quartz |
| 140-150 | " " |

GEOLOGIC SUMMARY

| | <u>ROCK UNIT</u> | <u>AGE</u> |
|---------|---------------------|-----------------|
| 0-10' | Saprolite | |
| 10-150' | Swift Run Formation | Precambrian (?) |

Virginia Division of Mineral Resources
 Robert G. Willson, Geologist
 March 12, 1968

R
P

VDMR-2152
WWCR-173

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667, University Sta.
Charlottesville, Virginia

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: National Park Service, Blue Ridge Parkway Mailing Address: Roanoke, Va

TENANT: Otter Creek Area, well #4 Mailing Address: 5163 Starkey Rd. S. W.,

DRILLER: Frank W. Martin Drilling Co., Inc. Mailing Address: Roanoke, Virginia, 24014

WELL LOCATION: County Amherst Approx. 4 miles east (direction) of Otter Creek No. 4 Snowden and near mile post #60 (direction) of Blue Ridge Parkway

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

DATE STARTED: 8-2-67 DATE COMPLETED: 8-2-67

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 150 feet

WATER LEVEL: Stands 20 feet below surface OR has NATURAL flow of 15 gallons per minute.

YIELD TEST: Method Pump Drawdown feet Rate 15 gal. per min. Duration 24 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 10 feet 6 inches from 10 to 150 feet

WATER ZONES: from 20 to feet from 70 to feet from to feet

SCREEN SIZE: inches from to feet CASE SIZE: ? inches from to feet

WATER: Color Clear Taste Odor Temp. °F

WELL TO SUPPLY: (check one) Home Farm Town School Industry Other Picnic Area

GROUTING: Method None Material Depth feet

WATER ANALYSIS AVAILABLE: Yes X No

PUMP: Type Submersible Capacity 50 gal. per min Depth of intake 130 feet

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:

LOG

FURNISHED BY: Frank W Martin Drilling Co., Inc. DATE: March 4, 1968

| DEPTH (feet) | | TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.) | REMARKS (wafer, caving, shot, screen, sample, etc.) |
|-----------------|-----|--|--|
| FROM | TO | | |
| 0 | 150 | Shale & Limestone | Water at 20' & 70' |