

OWNER: National Park Service
(Peaks of Otter, Well #2)
DRILLER: Frank W. Martin Drilling Co., Inc.
COUNTY: Bedford (Peaksville)

VDMR: 2087
WWCR: 173
TOTAL DEPTH: 175'

GEOLOGIC LOG

Depth in feet

0-10	Saprolite - tan; weathered and iron-oxide-stained, coarse, granodiorite; quartz, feldspar, hypersthene, and clay
10-20	No sample
20-30	Saprolite - tan; weathered and iron-oxide-stained, coarse, granodiorite; quartz, feldspar, hypersthene, and clay
30-40	"
40-50	"
50-60	Hypersthene granodiorite - dark-greenish-gray; medium- to coarse-grained, holocrystalline; feldspar, hypersthene, quartz, chlorite, and trace of pyrite; sheared, slickensides
60-70	"
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	"
150-165	" with chlorite schist
165-175	"

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GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-50'	Saprolite	
50-175'	Pedlar Formation	Precambrian

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
January 11, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2087

WWCR: 173

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P. 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: National Park Service Mailing Address: P. O. Box 1710 - Roanoke, Va.

TENANT: Blue Ridge Parkway (Peaks of Otter, Well #2) Mailing Address: 5163 Starkey Rd. S. W. Roanoke, Virginia 24014

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

WELL LOCATION: County Bedford Approx. 300 feet east (direction) of State Route 43 and 200 feet south (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: August 4, 1967 DATE COMPLETED: August 4, 1967

TYPE OF DRILL RIG USED: Davey M8A Air Drill TOTAL DEPTH 175 feet

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

YIELD TEST: Method Pump Drawdown _____ feet Rate 30 gal. per min. Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 40 feet 6 1/4 inches from 40 to 175 feet _____ inches from _____ to _____ feet

WATER ZONES: from 50 to 55 feet from _____ to _____ feet from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet _____ inches from _____ to _____ feet

WATER: Color Clear Taste _____ Odor _____ Temp. _____ °F

CASE SIZE: 6 1/4 inches from 0 to 40 feet _____ inches from _____ to _____ feet _____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____ Farm _____ Town _____ School _____ Industry _____ Other Park _____

GROUTING: Method _____ Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes No _____

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

DRILL CUTTINGS SAVED: Yes 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: _____

FURNISHED BY: Frank W. Martin Drilling Co., Inc. DATE: December 4, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	105	Quartz and granite	Water at 50' to 55'

