

OWNER: O. Vaughn Roberts  
DRILLER: Nelson-Roanoke Corp.  
COUNTY: Bedford (Moneta)

VDMR: 2064  
WWCR: 170  
TOTAL DEPTH: 223'

GEOLOGIC LOG

Depth in feet

0-10	Saprolite - light-brown, fine-grained; with mica quartz, and clay
10-20	"
20-30	"
30-40	"
40-50	"
50-60	"
60-70	"
70-80	Biotite Schist - light-gray, fine-grained; weathered quartz, feldspar, biotite and sericite; some vein quartz
80-90	"
90-100	" with biotite gneiss
100-110	" "
110-120	Biotite Gneiss - light-gray, fine-grained; some schistose material; weathered
120-130	Schist - dark-gray, fine-grained; biotite muscovite, quartz and feldspar
130-140	"
140-150	" very gneissic
150-160	"
160-170	" very gneissic
170-180	"

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180-190	Biotite Gneiss - medium- to dark-gray, fine-grained; quartz, feldspar and biotite; some vein quartz
190-200	"
200-210	"
210-220	"
220-223	No sample

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Lynchburg Formation	Precambrian

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
December 26, 1967

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR - 2064  
WWCR - 170

MAILING ADDRESS:

P. O. Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: O. Vaughn Roberts Mailing Address: P. O. Box 166, Covington, Va.

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

DRILLER: Nelson-Roanoke Corporation Mailing Address: P. O. Box 2827, Roanoke, Va.

WELL LOCATION: County Bedford Approx. 1/4 <sup>feet</sup>/<sub>miles</sub> from end \_\_\_\_\_ (direction) of  
St. Route #823 at Smith Mt. Lake and 3 <sup>feet</sup>/<sub>miles</sub> south \_\_\_\_\_ (direction) of Moneta

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

DATE STARTED: 11/1/67 DATE COMPLETED: 11/3/67

TYPE OF DRILL RIG USED: Rotary Reichdrill TOTAL DEPTH 223 feet

WATER LEVEL: Stands 70 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Drill  
Drawdown \_\_\_\_\_ feet  
Rate 20 gal. per min.  
Duration 2 hrs., \_\_\_\_\_ min.

HOLE SIZE: 10 5/8 inches from 0 to 76 feet  
6 1/8 inches from 76 to 223 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 80 to 210 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

CASE SIZE: 6 inches from 0 to 80 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home   
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other \_\_\_\_\_

GROUTING: Method \_\_\_\_\_  
Material Cement Depth 80 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No   
DRILL CUTTINGS SAVED: Yes  No \_\_\_\_\_

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal. per min  
Depth of intake \_\_\_\_\_ feet

(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: \_\_\_\_\_  
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