

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W - 3506
C - 260

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: Dr. Whitmore (MAPA) Mailing Address: _____

TENANT: Test Hole #3 Mailing Address: _____

DRILLER: Aquamasters, Inc. Mailing Address: Box 97, Rustburg, Va.

WELL LOCATION: County Bedford Approx. _____ ^{feet}/_{miles} southeast (direction) of
Boonsboro and 14 ^{feet}/_{miles} east (direction) of well #2

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

DATE STARTED: 3-30-72 DATE COMPLETED: 3-31-72

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands 35 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air
Drawdown _____ feet
Rate 20 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 6 inches from 0 to 250 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 43 to 47 feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: _____ inches from _____ to _____ feet

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

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

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

DRILL CUTTINGS SAVED: Yes 25 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: _____

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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C - 260
 Well Repository No: 3506

Date rec'd: 4-3-72 Date Processed: 4-14-72

Sample Interval: from 0 to: 250'

PROPERTY: Dr. Whitmore
 (MAPA Test Hole #3)

Number of samples: 25

COMPANY: Aquamasters, Inc.

Total Depth: 250'

COUNTY: Bedford (Boonsboro)

Oil or Gas: Water: x Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-

All intervals have both washed and unwashed samples

OWNER: Dr. Whitmore (MAPA TH#3)
DRILLER: Aquamasters, Inc.
COUNTY: Bedford (Boonsboro)

W #3506
C # 260
TD: 250'

GEOLOGIC LOG

Depth
(in feet)

0-20	Weathered rock material — light tan to red, fine grained; most fragments are iron-oxide stained; some feldspar, quartz, biotite and muscovite fragments
20-40	Biotite-schist — light gray to light yellow, fine grained; the main mineral constituents are feldspars, quartz (clear and milky), biotite and muscovite; a few weathered fragments
40-50*	" includes a zone of intense weathering
50-100	" no weathered fragments
100-140	Biotite-schist — light gray to light yellow, fine grained; approximately 40% of the sample is biotite, and remainder is feldspars, quartz (clear and milky) and muscovite
140-220	"
220-250	Biotite-schist — light gray, fine grained; major mineral constituents are feldspars, quartz (clear and milky) and biotite; trace of muscovite

GEOLOGIC SUMMARY

<u>Thickness</u>	<u>Rock Unit</u>	<u>Age</u>
20'	Saprolite	—
230'	Marshall Fm. (?)	Precambrian

*Possible water-bearing zone

Virginia Division of Mineral Resources
Ernest B. Nuckols III, Geologist
January 5, 1973