

OWNER: Woodland Heights Water Company, Inc.
Well #4
DRILLER: Moore Well Drilling, Inc.
COUNTY: Henry (Martinsville)

VDMR: 2058
WWCR: 192
TOTAL DEPTH: 300'

GEOLOGIC LOG

Depth in feet

0-7	No sample
7-18	Saprolite - brown, weathered, iron-oxide stained; clay and angular fragments of quartz, feldspar, biotite, biotite gneiss
18-22	Biotite-muscovite gneiss - gray, fine grained, micaceous, poorly-foliated and lineated; quartz, feldspar, biotite and muscovite, with trace of pink garnet
22-32	"
32-42	"
42-52	"
52-62	"
62-72	"
72-82	"
82-92	"
92-102	"
102-112	"
112-122	"
122-132	"
132-142	"
142-152	"
152-162	"
162-172	"
172-182	"

OWNER: Woodland Heights Water Company, Inc., Well #4

#2058

182-192 Biotite-muscovite gneiss - gray, fine grained, micaceous, poorly-foliated and lineated; quartz, feldspar, biotite and muscovite, with trace of pink garnet

192-200 No sample

200-210 Biotite-muscovite gneiss - gray, fine-grained, micaceous, poorly-foliated and lineated; quartz, feldspar and muscovite, with trace of pink garnet

210-220 "

220-230 "

230-240 "

240-250 "

250-260 "

260-270 "

270-280 "

280-290 "

290-300 "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-7	No sample	
7-18	Saprolite	
18-300	Wissahickon gneiss	Precambrian (?)

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
December 27, 1967

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Woodland Heights Water Co., Inc. Mailing Address: Collinsville, Virginia

TENANT: Well #4 (D. W. Davis, Pres.) Mailing Address: _____

DRILLER: Moore Well Drilling, Inc. Mailing Address: P. O. Box 97, Rustburg, Virginia

WELL LOCATION: County Henry Approx. 1 ~~xxx~~ miles east (direction) of
Martinsville, Va. and _____ feet (direction) of _____ 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: September 14, 1967 DATE COMPLETED: October 4, 1967

TYPE OF DRILL RIG USED: Air Drill TOTAL DEPTH 300 feet

WATER LEVEL: Stands 90 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air Test

Drawdown _____ feet

Rate 45 gal. per min.

Duration 4 hrs., _____ min.

WATER ZONES: from 67 to 68 feet
from 108 to 109 feet

from 190 to 192 feet

from 278 to 282 feet

WATER: Color Clear Taste Good

Odor None Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision

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.)

MARKS: Except for water-bearing areas and top 20 ft., rock was very fine-grained and dense with very poor fracture. Cuttings were mostly powder form. Only clear cleavage patterns were those of white and clear quartz, mica and hornblende (driller's evaluation).

HOLE SIZE: 14 inches from 0 to 56 feet

6 inches from 56 to 300 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 56 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Vibration

Material Cement Depth 55 feet

PUMP: 5 H. P. Fairbanks Morse submersible
Type _____

Capacity 44 gal. per min

Depth of intake 290 feet

LOG

FURNISHED BY: Moore Well Drilling, Inc.

DATE: October 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	8	Fill and decomposed rock (limestone)	
8	23	White limestone, partially decomposed	
23	56	Dark gray dense granite (40%)	Set casing to 56'
56	200	Dense gray granite (40-85%) with thin layers (approx. 1') of water-bearing conglomerate and limestone - also white quartz. Some limonite noted. Note: % of quartz increased with depth	67-68 108-109 water-bearing zones 190-192
200	300	185-200' layer of 85% granite with mica and hornblende noted as cementing agents. Dense, gray granite with some cracks; layers, very abrasive	Some iron noted in seams. No water in most seams.

INTERVAL SHEET

Page 1 of 1

VDMR Well No: 2058

Date rec'd: 12/8/67

Sample Interval: from 7' to: 300'

PROP: Woodland Heights Water Co. Well #4

Number of samples: 29

COMP: Moore Well Drilling Co.

Total Depth: 300'

COUNTY: Henry (Martinsville)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
-	-	-	-
7 - 18	-	-	-
18 - 22	-	-	-
22 - 32	-	-	-
32 - 42	-	-	-
42 - 52	-	-	-
52 - 62	-	-	-
62 - 72	-	-	-
72 - 82	-	-	-
82 - 92	-	-	-
92 - 102	-	-	-
102 - 112	-	-	-
112 - 122	-	-	-
122 - 132	-	-	-
132 - 142	-	-	-
142 - 152	-	-	-
152 - 162	-	-	-
162 - 172	-	-	-
172 - 182	-	-	-
182 - 192	-	-	-
-	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples.