

OWNER: Oak Hill Subdivision, Well #4  
DRILLER: C. R. Moore Well Drilling Co.  
COUNTY: Albemarle (Charlottesville)

VDMR: 2011  
WWCR: 1028  
TOTAL DEPTH: 300'

GEOLOGIC LOG

Depth in feet

0-70	No samples
70-72	Biotite Gneiss - gray, fine-grained, lineated; quartz, feldspar, biotite; disseminated coarse, rounded quartz grains; trace of chalcopyrite
72-80	"
80-90	" with prominent iron-oxide staining
90-100	" with some iron-oxide staining
100-110	" only trace of coarse, rounded quartz grains
110-120	" "
120-130	Biotite Gneiss - gray, fine-grained, lineated; quartz, feldspar, biotite; disseminated, coarse, rounded quartz grains; trace of chalcopyrite; about 20% dark-gray phyllite
130-140	"
140-150	"
150-160	"
160-170	" with minor amount of rhyolite
170-180	Rhyolite - buff, aphanitic, microcrystalline to cryptocrystalline; feldspar, quartz, traces of quartz and tremolite phenocrysts and pyrite
180-190	"
190-200	Biotite Gneiss - gray, fine-grained, lineated; quartz, feldspar, biotite; disseminated coarse, rounded quartz grains
200-210	"
210-220	"
220-230	"

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#2011

- 230-240 Biotite Gneiss - gray, fine-grained, lineated; quartz, feldspar, biotite; disseminated coarse, rounded quartz grains
- 240-250 " with minor vein quartz
- 250-260 "
- 260-270 Phyllite - dark-gray, aphanitic; cryptocrystalline to microcrystalline, lineated to foliated
- 270-280 "
- 280-290 " with some biotite-gneiss
- 290-300 Biotite Gneiss - gray, fine-grained, lineated; quartz, feldspar, biotite; disseminated coarse, rounded quartz grains

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-70	No samples	
70-170	Charlottesville Formation	Precambrian
170-190	Rhyolite dike	Paleozoic
190-300	Charlottesville Formation	Precambrian

Virginia Division of Mineral Resources  
Robert G. Willson, Geologist  
November 30, 1967

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2011  
WWCR: 1028

MAILING ADDRESS:  
P. 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: North Water Company Mailing Address: U. S. 29 North, Charlottesville, Va.

TENANT: Oak Hill Subdivision Well #4 Mailing Address: \_\_\_\_\_

DRILLER: C. R. Moore Drilling Co. Mailing Address: Hazel Street, Charlottesville, Va.

WELL LOCATION: County Albemarle Approx. 1/2 <sup>feet</sup>/<sub>miles</sub> south (direction) of \_\_\_\_\_  
Charlottesville and 1/4 <sup>feet</sup>/<sub>miles</sub> south (direction) of St. Road 631

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

DATE STARTED: 9/6/67 DATE COMPLETED: 9/8/67

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

WATER LEVEL: Stands 62 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method \_\_\_\_\_  
Drawdown \_\_\_\_\_ feet  
Rate 6 gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 10 inches from 0 to 72 feet  
6 1/4 inches from 72 to 300 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 91 to 94 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

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

CASE SIZE: 6 inches from 0 to 74 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

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

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal. per min  
Depth of intake \_\_\_\_\_ 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: Air test during drilling  
Bedrock at 72 feet

FURNISHED BY: O. V. Gibson

DATE: 10/4/67

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	Red clay	
8	17	Brown sand	
17	72	Brown shale	
72	170	Gray medium hard	
170	191	Milky white and green - hard	
191	285	Gray - medium hard	
285	300	Gray and white - hard	

INTERVAL SHEET

Page 1 of 1

VDMR Well No: 2011

Date rec'd: 10/5/67

Sample Interval: from 70' to: 300'

PROP: Oak Hill Sub. #4

Number of samples: 24

COMP: C. R. Moore

Total Depth: 300'

COUNTY: Albemarle (Charlottesville)

Oil or Gas: Water  Exploratory:

From-To	From-To	From-To	From-To
No samples	-	-	-
70 - 72	-	-	-
72 - 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	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.