

VDMR Well No. 2561

County: Powhatan

Well: 2561

Property: Commonwealth of Virginia

Driller: Froehling & Robertson, Inc.

Location: On State Road 711, .66 mile northwest of intersection with  
State Road 652.

Elevation: 208 feet.

Total Depth: 98.5 feet

Started drilling: June, 1969

Completed drilling: June, 1969

Sample description by: B.K. Goodwin, College of William & Mary, July, 1969

### GEOLOGIC LOG

Depth in  
feet

#### GRAVEL AND ALLUVIUM (0 - 35')

- 0 - 5 Clay ----- mottled reddish-brown and yellowish-brown, silty, sandy, a few rounded quartz pebbles
- 5 - 10 Silt ----- indian red, sandy, a few small rounded quartz pebbles
- 10 - 15 Silt ----- reddish-brown, clayey, very few small rounded quartz pebbles
- 15 - 20 Silt ----- yellowish-brown, clayey, micaceous
- 20 - 25 Silt ----- yellowish-brown, clayey, carbonaceous flakes
- 25 - 30 Silt ----- dark brown, clayey, carbonaceous flakes, micaceous
- 30 - 35 Clay ----- indian red and yellowish-brown, carbonaceous lenses

#### NEWARK GROUP (35 - 95')

- 35 - 40 Silt ----- dark tan, very coarse-grained sand of quartz and decomposed feldspar
- 40 - 45 Granite ----- gray, decomposed
- 45 - 50 Granite ----- tan, decomposed
- 55 - 60 "
- 60 - 65 "
- 65 - 70 Silt ----- tan, clayey, micaceous, minor very fine-grained sand

70 - 75 Silt — reddish-brown, clayey, very coarse sand grains,  
quartz and decomposed feldspar

75 - 80 Granite — tan, decomposed

80 - 85 Silt — yellowish-brown, sandy with decomposed feldspar

85 - 90 Granite — brown, decomposed

90 - 95 Granite — light brown, decomposed

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0 - 35	Gravel and alluvium	Tertiary (?)
35 - 95	Petersburg granite	<del>Late</del> Paleozoic (?)
-		
-		
2 [ 0 - 35	clay and silt	
35 - 40	highly decomposed granite	
40 - 65	decomposed granite	
65 - 75	highly decomposed granite	
75 - 95	decomposed granite	
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Elevation: 208 feet  
Total Depth: 98.5 feet  
Started drilling: June, 1969  
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VIRGINIA GEOLOGIC SURVEY  
GEOLOGIC LOG

Depth in feet	Rock	Notes
GRAVEL AND ALLUVIUM (0 - 35')		
0 - 5	Clay	--- mottled reddish-brown and yellowish-brown, silty, sandy, a few rounded quartz pebbles
5 - 10	Silt	--- indian red, sandy, a few small rounded quartz pebbles
10 - 15	Silt	--- reddish-brown, clayey, very few small rounded quartz pebbles
15 - 20	Silt	--- yellowish-brown, clayey, micaceous
20 - 25	Silt	--- yellowish-brown, clayey, carbonaceous flakes
25 - 30	Silt	--- dark brown, clayey, carbonaceous flakes, micaceous
30 - 35	Clay	--- indian red and yellowish-brown, carbonaceous lenses
NEWARK GROUP (35 - 95')		
35 - 40	Silt	--- dark tan, very coarse-grained sand of quartz and decomposed feldspar
40 - 45	Granite	--- gray, decomposed
45 - 50	Granite	--- gray, decomposed
55 - 60	"	"
60 - 65	"	"
65 - 70	Silt	--- tan, clayey, micaceous, minor very fine-grained sand

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- 70 - 75 Silt --- reddish-brown, clayey, very coarse sand grains, quartz and decomposed feldspar
- 75 - 80 Granite --- tan, decomposed
- 80 - 85 Silt --- yellowish-brown, sandy with decomposed feldspar
- 85 - 90 Granite --- brown, decomposed
- 90 - 95 Granite --- light brown, decomposed

Well: 2561  
 Property: Commonwealth of Virginia  
 Driller: Frederick & Robertson, Inc.  
 Location: On State Road No. 102, 1/2 mile northwest of intersection with State Road 652.  
 Elevation: 208 feet  
 Total Depth: 98.5 feet  
 Started drilling: June, 1969  
 Sample description by: B. K. Goodwin, College of William & Mary, July, 1969

GEOLOGIC SUMMARY

GEOLOGIC LOG

Depth in feet	Rock Unit	Age
0 - 35	Gravel and alluvium	Tertiary (?)
35 - 95	Petersburg granite	Paleozoic
0 - 2	Clay --- mottled reddish-brown and yellowish-brown, silty, sandy, a few rounded quartz pebbles	
2 - 10	Silt --- Indian red, sandy, a few small rounded quartz pebbles	
10 - 15	Silt --- reddish-brown, clayey, very few small rounded quartz pebbles	
15 - 20	Silt --- yellowish-brown, clayey, micaceous	
20 - 25	Silt --- yellowish-brown, clayey, carbonaceous flakes	
25 - 30	Silt --- dark brown, clayey, carbonaceous flakes, micaceous	
30 - 35	Clay --- Indian red and yellowish-brown, carbonaceous lenses	
NEWARK GROUP (35 - 95')		
35 - 40	Silt --- dark tan, very coarse-grained sand of quartz and decomposed feldspar	
40 - 45	Granite --- gray, decomposed	
45 - 50	Granite --- gray, decomposed	
55 - 60	"	
60 - 65	"	
65 - 70	Silt --- tan, clayey, micaceous, minor very fine-grained sand	





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

INTERVAL SHEET

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Well Repository No: 2561

Date rec'd: ; processed 1-14-71

Sample Interval: from 4.0 to 95.0

PROPERTY: Commonwealth of Virginia

Number of samples: 38

COMPANY: Froehling & Robertson, Inc.

Total Depth: 98.5

COUNTY: Powhatan

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
4.0 - 4.5	64.5 - 65.0	-	-
4.5 - 5.0	69.0 - 69.5	-	-
9.0 - 9.5	69.5 - 70.0	-	-
9.5 - 10.0	74.0 - 74.5	-	-
14.0 - 14.5	74.5 - 75.0	-	-
14.5 - 15.0	79.0 - 79.5	-	-
19.0 - 19.5	79.5 - 80.0	-	-
19.5 - 20.0	84.0 - 84.5	-	-
24.0 - 24.5	84.5 - 85.0	-	-
24.5 - 25.0	89.0 - 89.5	-	-
29.0 - 29.5	89.5 - 90.0	-	-
29.5 - 30.0	94.0 - 94.5	-	-
34.0 - 34.5	94.5 - 95.0	-	-
34.5 - 35.0	-	-	-
39.0 - 39.5	-	-	-
39.5 - 40.0	-	-	-
44.0 - 44.5	-	-	-
44.5 - 45.0	-	-	-
49.0 - 49.5	-	-	-
49.5 - 50.0	-	-	-
54.0 - 54.5	-	-	-
59.0 - 59.5	-	-	-
59.5 - 60.0	-	-	-
64.0 - 64.5	-	-	-

unwashed only.