

VDMR Well No. 2549
County: Powhatan

Well: 2549
Property: Commonwealth of Virginia
Driller: Froehling & Robertson, Inc.
Location: On State Road 711, .38 mile southeast of intersection with State Road 652.

Elevation: 231 feet
Total Depth: 53.2 feet
Started drilling: May, 1969 Completed drilling: May, 1969
Sample description by: B.K. Goodwin, College of William & Mary, July, 1969.

GEOLOGIC LOG

Depth in
feet

GRAVEL (0 - 22.0')

0 - 5 Clay ----- yellowish-brown, sandy
5 - 10 Gravel ----- olive-brown, sandy clay and quartz granules in
a coarse-grained, decomposed sand matrix, matrix is
mottled indian red and yellowish-brown
10 - 15 Gravel ----- quartz pebbles in a reddish-brown, sandy matrix
15 - 22.0 Gravel ----- quartz pebbles and granules in a yellowish-brown,
coarse-grained, sandy matrix

NEWARK GROUP (22.0 - 49.8')

22.0 - 25 Sandstone ----- yellowish-brown, decomposed, medium- to coarse-
grained, micaceous, mottled with indian red
25 - 30 Clay ----- yellowish-brown with carbonaceous laminae, micaceous,
contains fine-grained sand
30 - 35 Shale ----- yellowish-brown to grayish-brown, decomposed, minor
very fine-grained sand grains, carbonaceous lenses
35 - 40 Shale ----- yellowish-brown, decomposed, with minor very fine-
grained sand grains, carbonaceous laminae
40 - 45 Shale ----- yellowish-brown, decomposed, minor very fine-grained
sand grains, carbonaceous laminae
45 - 49.8 Shale ----- yellowish-brown, decomposed, minor very fine-grained
sand, carbonaceous laminae

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0- 22.0	Gravel	Tertiary
22.0- 49.8	Newark Group	Middle and Late Triassic

2 [0- 22.0 ~~arenaceous, micaceous shale~~ coarse gravels]
 22.0- 49.8 arenaceous, micaceous shale
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GEOLOGIC LOG

Depth in feet

GRAVEL (0 - 22.0')

- 0 - 5 Clay ----yellowish-brown, sandy
- 5 - 10 Gravel ----olive-brown, sandy clay and quartz granules in a coarse-grained, decomposed sand matrix, matrix is mottled indian red and yellowish-brown
- 10 - 15 Gravel ----quartz pebbles in a reddish-brown, sandy matrix
- 15 - 22.0 Gravel ----quartz pebbles and granules in a yellowish-brown, coarse-grained sandy matrix

NEWARK GROUP (22.0 - 49.8')

- 22.0 - 25 Sandstone---yellowish-brown, decomposed, medium-to coarse grained, micaceous, mottled with indian red
- 25 - 30 Clay --- yellowish-brown with carbonaceous laminae, micaceous, contains fine-grained sand
- 30 - 35 Shale --- yellowish-brown to grayish-brown, decomposed, minor very fine-grained sand grains, carbonaceous lenses
- 35 - 40 Shale --- yellowish-brown, decomposed, with minor very fine-grained sand grains, carbonaceous laminae
- 40 - 45 Shale --- yellowish-brown, decomposed, minor very fine-grained sand grains, carbonaceous laminae
- 45 - 49.8 Shale --- yellowish-brown, decomposed, minor very fine-grained sand, carbonaceous laminae

VDMR Well No. 2549
 County: Powhatan

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>	Well:
			Property:
			Driller:
0 - 22.0	Gravel	Tertiary	Location:
			On State Road 652, 3.8 miles southeast of section 17, 11, 138
22.0 - 49.8	Newark Group	Middle and Late Triassic	Investigation:
			Total Depth: 53.2 feet
			Started drilling: May, 1969
			Sample description by: B. K. Goodwin, College of William & Mary, July 1969.

GEOLOGIC LOG

Depth in feet	
0 - 22.0	GRAVEL (0 - 22.0')
0 - 5	Clay ---yellowish-brown, sandy
5 - 10	Gravel ---olive-brown, sandy clay and quartz granules in a coarse-grained, decomposed sand matrix, matrix is mottled Indian red and yellowish-brown
10 - 12	Gravel ---quartz pebbles in a reddish-brown, sandy matrix
12 - 22.0	Gravel ---quartz pebbles and granules in a yellowish-brown, coarse-grained sandy matrix
22.0 - 49.8	NEWARK GROUP (22.0 - 49.8')
22.0 - 25	Sandstone ---yellowish-brown, decomposed, medium to coarse grained, micaceous, mottled with Indian red
25 - 30	Clay ---yellowish-brown with carbonaceous laminae, micaceous, contains fine-grained sand
30 - 35	Shale ---yellowish-brown to grayish-brown, decomposed, minor very fine-grained sand grains, carbonaceous laminae
35 - 40	Shale ---yellowish-brown, decomposed, with minor very fine-grained sand grains, carbonaceous laminae
40 - 42	Shale ---yellowish-brown, decomposed, minor very fine-grained sand grains, carbonaceous laminae
42 - 49.8	Shale ---yellowish-brown, decomposed, minor very fine-grained sand, carbonaceous laminae

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

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 2549

Date rec'd: Date Processed: 1-12-71

Sample Interval: from 4.0 to: 49.8

PROPERTY: Commonwealth of Virginia

Number of samples: 20

COMPANY: Foebling & Robertson, Inc.

Total Depth: 53.2'

COUNTY: Powhatan

Oil or Gas: Water: Exploratory: x

From-To	From-To	From-To	From-To	From-To
4.0- 4.5	-	-	-	-
4.5- 5.0	-	-	-	-
9.0- 9.5	-	-	-	-
9.5- 10.0	-	-	-	-
14.0- 14.5	-	-	-	-
14.5- 15.0	-	-	-	-
19.0- 19.5	-	-	-	-
19.5- 20.0	-	-	-	-
24.0- 24.5	-	-	-	-
24.5- 25.0	-	-	-	-
29.0- 29.5	-	-	-	-
29.5- 30	-	-	-	-
34.0- 34.5	-	-	-	-
34.5- 35.0	-	-	-	-
39.0- 39.5	-	-	-	-
39.5- 440.0	-	-	-	-
44.0- 44.5	-	-	-	-
44.5- 45.0	-	-	-	-
49.0- 49.4	-	-	-	-
49.4- 49.8	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

unwashed only

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Total Depth: 53.2

COUNTY: Powhatan

Oil or Gas: Water: Exploratory: x

From-To	From-To	From-To	From-To	From-To
4.0- 4.5	-	-	-	-
4.5- 5.0	-	-	-	-
9.0- 9.5	-	-	-	-
9.5- 10.0	-	-	-	-
14.0- 14.5	-	-	-	-
14.5- 15.0	-	-	-	-
19.0- 19.5	-	-	-	-
19.5- 20.0	-	-	-	-
24.0- 24.5	-	-	-	-
24.5- 25.0	-	-	-	-
29.0- 29.5	-	-	-	-
29.5- 30	-	-	-	-
34.0- 34.5	-	-	-	-
34.5- 35.0	-	-	-	-
39.0- 39.5	-	-	-	-
39.5- 44.0	-	-	-	-
44.0- 44.5	-	-	-	-
44.5- 45.0	-	-	-	-
49.0- 49.4	-	-	-	-
49.4- 49.8	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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PROPERTY: Commonwealth of Virginia

Number of samples: 20

COMPANY: Forchling + Robertson, Inc.

Total Depth: 53.2

COUNTY: Powhatan

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
4.0 - 4.5	-	-	-
4.5 - 5.0	-	-	-
7.0 - 9.5	-	-	-
9.5 - 10.0	-	-	-
14.0 - 14.5	-	-	-
14.5 - 15.0	-	-	-
19.0 - 19.5	-	-	-
19.5 - 20.0	-	-	-
24.0 - 24.5	-	-	-
24.5 - 25.0	-	-	-
29.0 - 29.5	-	-	-
29.5 - 30	-	-	-
34.0 - 34.5	-	-	-
34.5 - 35.0	-	-	-
39.0 - 39.5	-	-	-
39.5 - 40.0	-	-	-
44.0 - 44.5	-	-	-
44.5 - 45.0	-	-	-
49.0 - 49.4	-	-	-
49.4 - 49.8	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Unwashed only.