

VDMR Well No. 2560
County: Powhatan

Well: 2560
Property: Commonwealth of Virginia
Driller: Froehling & Robertson, Inc.
Location: On State Road 711, .54 mile northwest of intersection with
State Road 652.
Elevation: 215 feet
Total Depth: 72.5 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 - 30')

0 - 5	Clay ----- indian red and yellowish-brown, numerous very coarse sand grains
5 - 10	Clay ----- tan to reddish-tan, abundant very coarse-grained sand
10 - 15	Clay ----- tan, abundant very coarse-grained sand, much decomposed feldspar
15 - 20	Silt ----- yellowish-brown, numerous very coarse sand grains
20 - 25	Silt ----- yellowish brown, much coarse-grained sand, slightly micaceous
25 - 30	Silt ----- yellowish-brown, slightly sandy, slightly micaceous

NEWARK GROUP (30 - 69.5')

30 - 35	Silt ----- dark brown, sandy, carbonaceous flakes, micaceous
35 - 40	Silt ----- dark brown, sandy, much decomposed medium-grained feldspar, carbonaceous flakes, micaceous
40 - 45	Silt ----- dark brown, sandy, highly micaceous
45 - 50	Sand ----- tan, very coarse-grained, much quartz and decomposed feldspar

- 50 - 55 Silt ----- dark brown, slightly sandy, micaceous
- 55 - 60 Silt ----- reddish brown, micaceous, carbonaceous flakes
- 50 - 65 Sand ----- brownish-black, very coarse-grained, much quartz and decomposed feldspar
- 65 - 69.5 Sand ----- brownish-black, very coarse-grained, silty, micaceous

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0 - 30	Gravel and alluvium	Tertiary (?)
30 - 69.5	Newark Group	Middle to Late Triassic
-	-	-
-	-	-
g [0 - 30	silt and clay	
30 - 45	highly micaceous silt ^{slightly carbonaceous} with carbonaceous ^{stone} flecks	
45 - 60	sand and siltstone	
60 - 69.5	highly decomposed ^{brownish-black} sandstone	
-	-	-
-	-	-

Well: 2560
 Property: Commonwealth of Virginia
 Driller: Froehling & Robertson, Inc.
 Location: On State Road 711, .54 mile northwest of intersection with State Road 652.

Elevation: 215 feet
 Total Depth: 72.5 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 - 30')

- 0 - 5 Clay --- indian red and yellowish-brown, numerous very coarse sand grains
- 5 - 10 Clay --- tan to reddish-tan, abundant very coarse-grained sand
- 10 - 15 Clay --- tan, abundant very coarse-grained sand, much decomposed feldspar
- 15 - 20 Silt --- yellowish-brown, numerous very coarse sand grains
- 20 - 25 Silt --- yellowish brown, much coarse-grained sand, slightly micaceous
- 25 - 30 Silt --- yellowish-brown, slightly sandy, slightly micaceous

NEWARK GROUP (30 - 69.5')

- 30 - 35 Silt --- dark brown, sandy, carbonaceous flakes, micaceous
- 35 - 40 Silt --- dark brown, sandy, much decomposed medium-grained feldspar, carbonaceous flakes, micaceous
- 40 - 45 Silt --- dark brown, sandy, highly micaceous
- 45 - 50 Sand --- tan, very coarse-grained, much quartz and decomposed feldspar

VDMR Well No. 2560
 County: Powhatan

VDMR Well No. 2560

11

- 50 - 55 silt --- dark brown, slightly sandy, micaceous
- 55 - 60 silt --- reddish brown, micaceous, carbonaceous flakes
- 50 - 65 Sand --- brownish-black, very coarse-grained, much quartz and decomposed feldspar
- 65 - 69.5 Sand - brownish-black, very coarse-grained, silty, micaceous

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

GEOLOGIC SUMMARY

Depth in feet	Rock Unit	Age
0 - 30	Gravel and alluvium	Tertiary (?)
30 - 69.5	Newark Group	Middle to Late Triassic
GRAVEL AND ALLUVIUM (0 - 30')		
0 - 5	Clay --- tan to reddish-brown, numerous very coarse sand grains	
5 - 10	Clay --- tan to reddish-brown, abundant very coarse-grained sand	
10 - 15	Clay --- tan, abundant very coarse-grained sand, much decomposed feldspar	
15 - 20	Silt --- yellowish-brown, numerous very coarse sand grains	
20 - 25	Silt --- yellowish brown, much coarse-grained sand, slightly micaceous	
25 - 30	Silt --- yellowish-brown, slightly sandy, slightly micaceous	
NEWARK GROUP (30 - 69.5')		
30 - 35	Silt --- dark brown, sandy, carbonaceous flakes, micaceous	
35 - 40	Silt --- dark brown, sandy, much decomposed medium-grained feldspar, carbonaceous flakes, micaceous	
40 - 45	Silt --- dark brown, sandy, highly micaceous	
45 - 50	Sand --- tan, very coarse-grained, much quartz and decomposed feldspar	

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: 2560

Date rec'd: ; processed 1-13-71

Sample Interval: from 4.0 to 69.5

PROPERTY: Commonwealth of Virginia

Number of samples: 28

COMPANY: Froehling & Robertson, Inc.

Total Depth: 72.5

COUNTY: Powhatan

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
4.0 - 4.5	64.0 - 64.5	-	-
4.5 - 5.0	64.5 - 65.0	-	-
9.0 - 9.5	69.0 - 69.3	-	-
9.5 - 10.0	69.3 - 69.5	-	-
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 - 30.0	-	-	-
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 - 49.5	-	-	-
49.5 - 50.0	-	-	-
54.0 - 54.5	-	-	-
54.5 - 55.0	-	-	-
59.0 - 59.5	-	-	-
59.5 - 60.0	-	-	-
69.3 - 69.5	-	-	-

Unwashed only.