

VDMR Well No. 2556
County: Chesterfield

Well: 2556
Property: Commonwealth of Virginia
Driller: Froehling & Robertson, Inc.
Location: On State Road 711, .47 mile northwest of intersection with State Road 902.

Elevation: 373 feet
Total Depth: 69.5 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 (0 - 40')

Clay

0 - 5

Clay ----- deep indian red, silty, ~~finer~~ very fine-grained sand

5 - 10

Clay ----- deep indian red, silty, sandy, a few rounded quartz granules

10 - 15

Gravel ----- mottled gray, indian red, and yellowish-brown, clay and coarse- to very coarse-sand matrix, numerous rounded quartz pebbles

15 - 20

Gravel ----- light tan, fine-grained sand matrix, abundant white, rounded, quartz pebbles

20 - 25

"

25 - 30

Gravel ----- light tan to yellowish-brown, fine-grained sand matrix, abundant white, rounded, quartz pebbles

30 - 35

Gravel ----- yellowish-brown, fine- to medium-grained sand and silty matrix, abundant white, rounded quartz pebbles

35 - 40

Silt ----- deep reddish-brown, a few rounded quartz granules, disseminated grains of white, weathered feldspar

NEWARK GROUP (40 - 69.5')

40 - 45

Shale ----- dark gray, highly carbonaceous with plant fragments, decomposed

45 - 50 Shale ----- light gray, decomposed, micaceous, minor very fine-grained sand

50 - 55 Sandstone ----- brownish-gray, coarse-grained, micaceous, silty

55 - 60 Shale ----- dark greenish-gray to black, carbonaceous

60 - 65 "

65 - 69.5 "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0 - 40	GRAVEL	Tertiary (?)
40 40 - 69.5	Newark Group	Middle to Late Triassic
0 - 14	clay	
14 - 40	gravel	
40 - 50	dark-gray shale	
50 - 55	brown sandstone	
55 - 69.5	dark-gray shale	

2 [clay
gravel
dark-gray shale
brown sandstone
dark-gray shale] Micaceous, coarse-grained

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GRAVEL (0 - 40')

0 - 5	Clay --- deep indian red, silty, minor very fine-grained sand
5 - 10	Clay --- deep indian red, silty, sandy, a few rounded quartz granules
10 - 15	Gravel --- mottled gray, indian red, and yellowish brown, clay and coarse - to very coarse-sand matrix, numerous rounded quartz pebbles
15 - 20	Gravel --- light tan, fine-grained sand matrix, abundant white, rounded, quartz pebbles.
20 - 25	"
25 - 30	Gravel --- light tan to yellowish-brown, fine-grained sand matrix, abundant white, rounded, quartz pebbles
30 - 35	Gravel --- yellowish-brown, fine-to medium-grained sand and silty matrix, abundant white, rounded quartz pebbles
35 - 40	Silt --- deep reddish-brown, a few rounded quartz granules, disseminated grains of white, weathered feldspar

NEWARK GROUP (40 - 69.5')

40 - 45	Shale ---- dark gray, highly carbonaceous with plant fragments, decomposed
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VIRGINIA DIVISION OF MINERAL RESOURCES
Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 2556

Date rec'd: Date 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: 69.5

COUNTY: Chesterfield,

Oil or Gas: Water: Exploratory: X

From-To	From-To	From-To	From-To	From-To
4.0 - 4.5	64.5 - 65.0	-	-	-
4.5 - 5.0	69.0 - 69.3	-	-	-
9.0 - 9.5	69.3 - 69.5	-	-	-
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 - 30.0	-	-	-	-
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	-	-	-	-
64.0 - 64.5	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

unwashed only.

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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- 30.0	-	-	-	-
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	-	-	-	-
64.0- 64.5	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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4.0 - 4.5	64.5 - 65.0	-	-
4.5 - 5.0	69.0 - 69.3	-	-
9.0 - 9.5	69.3 - 69.5	-	-
9.5 - 10.0	74.5 - 75.0	-	-
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 - 30.0	-	-	-
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	-	-	-
64.0 - 64.5	-	-	-

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