

INTERVAL SHEET

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Date rec'd: 5/16/66

PROP: Foxcroft School #7

COMP: Leazer Pump & Well Co.

COUNTY: Loudoun (Middleburg)

VDMR Well No: 1595

Sample Interval: from 0 to 330

Number of samples: 32

Total Depth: 330'

Oil or Gas: Water: ^X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310*	-	-
10 - 20	310 - 320*	-	-
20 - 30	320 - 330	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130*	-	-	-
130 - 140*	-	-	-
140 - 150	-	-	-
No sample	-	-	-
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*	-	-	-

* unwashed samples only

OWNER: Foxcroft School, Well #7
DRILLER: Leazer Pump & Well Co.
COUNTY: Loudoun (Middleburg)

VDMR: 1595
WWCR: 597
TOTAL DEPTH: 330'

GEOLOGIC LOG

Depth in feet

OVERBURDEN (0-10)

0-9 Overburden

9-10 Float (?) - quartz-chlorite-sericite schist.

VIRGINIA BLUE RIDGE (10-140)

10-20 Granite - green; sheared, schistose; with pink potassic feldspar, blue quartz, saussuritized plagioclase, chlorite, and accessory pyrite, magnetite, and epidote.

20-30 Granite -- gray-green; sheared, schistose; with pink feldspar, quartz, and epidote.

30-40 "

40-50 "

50-60 "

60-70 "

70-80 "

80-90 "

90-100 "

100-120 "

120-130 "

130-140 "

VIRGINIA BLUE RIDGE AND CATOCTIN (140-150)

140-150 " with dark-green, aphanitic greenstone.

150-160 No sample.

CATOCTIN METABASALT (160-170)

160-170 Greenstone - dark green; schistose, aphanitic; with a little epidote and trace of pyrite.

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VIRGINIA BLUE RIDGE (170-280)

- 170-180 Granite - white, gray, greenish; sheared; with saussuritized plagioclase (50%), blue quartz (30%), chlorite (15%), and epidote (5%); trace of pyrite.
- 180-190 Granite - gray, green; sheared, schistose; as above but without epidote.
- 190-200 "
- 200-210 "
- 210-220 Biotite granite - gray-green; schistose; with chloritic foliation and some biotite (5%).
- 220-230 "
- 230-240 Granite - green; schistose; with pink feldspar, chloritic partings, and epidotized fractures, and dark-green, schistose to massive, aphanitic epidotized greenstone.
- 240-250 Granite - pink and green; chloritic and schistose, with massive greenstone.
- 250-260 "
- 260-270 "
- 270-280 "

CATOCTIN METABASALT (280-290)

- 280-290 Greenstone - dark green; schistose, aphanitic; with a little epidote and trace of pyrite.

VIRGINIA BLUE RIDGE (290-330)

- 290-300 Granite - pink; sheared, with chloritic partings.
- 300-310 "
- 310-320 "
- 320-330 "

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GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10	Overburden and float	
10-140	Virginia Blue Ridge granite, sheared	Precambrian
140-150	Virginia Blue Ridge granite, sheared and Catoctin Metabasalt feeder dike	Precambrian and Cambrian
150-160	No sample	
160-170	Catoctin Metabasalt feeder dike	Cambrian
170-280	Virginia Blue Ridge granite, sheared	Precambrian
280-290	Catoctin Metabasalt feeder dike	Cambrian
290-330	Virginia Blue Ridge granite, sheared	Precambrian

Virginia Division of Mineral Resources
Richard S. Good, Geologist
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