

INTERVAL SHEET

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WWCR: 35

Date rec'd: 10-31-66

VDMR Well No: 1738

PROP: Warren-Rappahannock County
School System

Sample Interval: from 0 to 246

COMP: Leazer Pump & Well Co.

Number of samples: 25

COUNTY: Rappahannock (Sperryville)

Total Depth: 246

Oil or Gas: Water: ~~Exploratory:~~

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160 *	-	-	-
160 - 170 *	-	-	-
170 - 180 *	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 246 *	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

* Unwashed samples only

OWNER: Rappahannock County Elementary School
DRILLER: Leazer Pump and Well Co.
COUNTY: Rappahannock (Sperryville)

VDMR: 1738
WWCR: 35
TOTAL DEPTH: 246

GEOLOGIC LOG

Depth in feet

OVERBURDEN AND SAPROLITE (0-35')

- 0-5 Overburden - light-brown soil with milky and blue quartz grains and some decomposed feldspar.
- 5-10 Saprolite - white, sheared granite; alaskitic with greater than 80 % feldspar, 15 % blue quartz and no mafics; a small (0-5 %) amount of chlorite.
- 10-20 "
- 20-30 "
- 30-35 "

OLD RAG GRANITE (35-220')

- 35-40 Granite - gray-green; sheared and schistose; with rodded blue quartz, feldspar, and chlorite.
- 40-50 Granite - gray-green; sheared, schistose; with greasy, undulating chlorite-sericite shear planes and 1-2 mm blue quartz grains.
- 50-60 Granite - white; quartzo-feldspathic gneiss with sericitic cleavage planes.
- 60-70 Granite - sheared; white with chlorite cleavage and traces of pyrite; some chips contain relict grains of biotite.
- 70-80 Granite - white; schistose and gneissic; biotite and alaskitic gneiss with chloritic shear planes.
- 80-90 "
- 90-100 "
- 100-110 "
- 110-120 Granite - greenish-gray; sheared; white chloritic shear planes.

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#1738

- 120-130 Granite - pink and green; schistose; white alaskitic quartzo-
feldspathic gneiss with glassy, stretched quartz lenticles.
- 130-140 "
- 140-150 "
- 150-160 "
- 160-170 Granite - white; alaskitic, sheared and mylonitized.
- 170-180 "
- 180-190 "
- 190-200 "
- 200-210 "
- 210-220 Greenstone - schistose; with traces of pyrite.
- CATOCTIN (?) GREENSTONE (220-230')
- 220-230 Granite - white; alaskitic, sheared and mylonitized.
- OLD RAG GRANITE (230-246')
- 230-240 Granite - white; alaskitic, sheared and mylonitized.
- 240-246 "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-35	Overburden and Saprolite	
35-220	Old Rag Granite	Precambrian
220-230	Catoctin (?) Greenstone	Precambrian-Early Paleozoic
230-246	Old Rag Granite	Precambrian

Virginia Division of Mineral Resources
Richard S. Good, Geologist
March 24, 1967