

OWNER: USDA, National Forest Service
(Bournes Branch Area, Well #1)
DRILLER: Frank W Martin Drilling Co., Inc.
COUNTY: Carroll (Galax)

VDMR: 2163
WWCR: 203
TOTAL DEPTH: 300'

GEOLOGIC LOG

Depth in
feet

0-10	Gravelly loam — tan-gray, both fresh and weathered, rounded-to-subrounded pebbles and grains of shale, arkose, and quartzite; minor iron-oxide staining
10-20	Silty, sandy gravel — tan-gray, both fresh and weathered, rounded-to-subrounded pebbles and grains of shale, arkose, and quartzite
20-30	"
30-40	"
40-50	"
50-60	Argillite — dark blue-gray, cryptocrystalline, soft, slightly fissile, a few slickensides; minor vein quartz
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	"

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#2163

190-200	Argillite — dark blue-gray, cryptocrystalline, soft, slightly fissile, a few slickensides; vein quartz
200-210	" no vein quartz
210-220	" "
220-230	"
230-240	"
240-250	"
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-50'	Alluvial material	Recent
50-300'	Hampton Formation	Early Cambrian

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
April 11, 1968