

OWNER: Lower Tuckahoe Land Co., Well #5
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Goochland (Manakin)

VDMR: 1656
WWCR: 52
TOTAL DEPTH: 255'

GEOLOGIC LOG

Depth in feet

0-10	Silty sand - tan, poorly sorted (grain size ranges from clay to pebbles), weathered; sand-size material is rounded to angular
10-20	Carbonaceous shale - black; slightly fissile, soft; considerable coal and a few plant fossils
20-30	Siltstone - gray; very slightly fissile; carboniferous, slightly calcareous and micaceous
30-40	" less sand-size material
40-50	Shale - very dark-gray; silty, fissile, soft; micaceous, and carboniferous
50-60	" with some coal
60-70	" "
70-80	No Sample
80-90	Silty shale - dark gray; slightly fissile; micaceous and carboniferous; a few coal fragments
90-100	Sandstone - gray; medium- to very fine-grained; angular to subangular fragments of quartz, mica, some feldspar, shale and coal; poorly consolidated and cemented; calcareous
100-110	"
110-120	" 10 % of grains are iron-oxide stained
120-130	"
130-140	" with minor pyrite
140-150	" light gray; less coal, shale and mica
150-160	"
160-170	"
170-180	" light gray; less coal, shale and mica
180-190	" with minor pyrite

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190-200	Sandstone - gray; fine- to coarse-grained; angular to subangular fragments of quartz, mica, some feldspar, shale and coal; calcareous; about 40% black, carboniferous, silty, fissile shale
200-210	"
210-220	" with 20% black shale; 2 to 3 pebble-size angular, fragments of granite
220-230	Silty shale - very dark-gray; almost a siltstone; sandy, slightly fissile; carboniferous, calcareous and micaceous; 20 to 30% sandstone - light-gray to gray; fine- to medium-grained, angular; quartz, mica and feldspar; calcareous
230-240	"
240-250	"
250-255	No Sample

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Newark Group	Triassic

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
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