

OWNER: Spotsylvania County School Board
John J. Wright School - Well #2
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Spotsylvania

VDMR #967
WWCR #480-464
TOTAL DEPTH: 350'

GEOLOGIC LOG

- 0-100 No sample.
- Wissahickon Schist (100-350')
- 100-110 Chlorite Gneiss — dark-gray with pale-pink and greenish-white, coarse-grained, chlorite, potash feldspar, quartz, plagioclase, minor epidote, pyrite, and calcite, very minor sphere, minor iron oxide staining.
- 110-120 As above.
- 120-130 As above — less pyrite.
- 130-140 As above — slightly more pyrite.
- 140-150 Chlorite Gneiss — medium greenish-gray with pale-pink and greenish-white, coarse-grained and minor fine-grained; chlorite, potash feldspar, quartz, plagioclase, (crystals up to 1 cm.) sericite, minor calcite, pyrite; very minor epidote, sphere; minor iron oxide staining.
- 150-160 As above — very minor biotite.
- 160-170 As above — no biotite.
- 170-180 As above — more epidote.
- 180-190 Chloritic Gneiss — medium-gray with pink and greenish-white, coarse-grained and minor fine-grained; potash feldspar, chlorite, quartz, plagioclase, calcite, sericite; minor epidote, muscovite, pyrite; minor iron oxide staining.
- 190-200 As above — less calcite.
- 200-210 As above.
- 210-220 As above.
- 220-230 Chloritic Gneiss — medium-gray with pink and light greenish-gray, coarse- to fine-grained, chlorite, potash feldspar, crystals up to 1 cm., quartz, plagioclase, epidote, calcite, minor pyrite and minor iron oxide staining; the fine-grained material is light greenish-gray and appears to be a mylonite with very fine pyrite.

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- 230-240 Chloritic Gneiss — medium-gray with pink and light greenish-gray, coarse- to fine-grained, minor chlorite, potash feldspar, crystals up to 1 cm., quartz, plagioclase, epidote, calcite, minor pyrite, and minor iron oxide staining; the fine-grained material is light greenish-gray and appears to be a minor mylonite with very fine pyrite.
- 240-250 As above — more chlorite.
- 250-260 Chloritic Gneiss — very dark-green with pink and light-green, coarse-grained and minor fine-grained, chlorite, potash feldspar (crystals up to 1 cm., quartz, plagioclase, epidote, minor pyrite and calcite, very minor garnet, minor iron oxide staining; the fine-grained mylonite (?) contains more chlorite than in above levels; the dark-green areas are aggregates of chlorite.
- 260-270 Chloritic Gneiss — medium-gray with pink and very minor light-gray, coarse and fine-grained, potash feldspar, quartz, chlorite, plagioclase, epidote, calcite, minor pyrite, minor iron oxide staining.
- 270-280 As above — more chlorite and very minor sphere.
- 280-290 As above — minor muscovite, less iron oxide stain.
- 290-300 As above — veins partially filled with potash feldspar crystals.
- 300-310 Chloritic Gneiss — medium-gray with pale-pink and light-greenish-gray, coarse-grained with minor fine-grained, pyritic mylonite (?); potash feldspar, chlorite, quartz, plagioclase, epidote, calcite, minor pyrite, very minor sphere; minor iron oxide staining.
- 310-320 As above — minor calcite veins, minor muscovite.
- 320-330 As above — no veins of calcite.
- 330-340 No sample.
- 340-350 As above — less chlorite, more mylonite (?), lighter color.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-100	No sample	
100-350	Wissahickon Gneiss	Uncertain