INTERVAL SHEET

WWCR 480-464 VDMR Well No.: Well No. 967 1 Page Date 3/23/64 Sample Interval: from <u>110</u> to 350 PROP: J. J. Wright School - Well #2 Total depth___ 350 Oil Gas Water X Exploratory COMP: Sydnor COUNTY: Spotsylvania (Snell) Cuttings X Core Other Washed samples - only VDMR Well No: W-967 From-To From-To From-To From-To From-To 0 _100 No sample _ 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 _ 250 250 - 260 260 - 270 270 - 280 280 - 290 290 - 300 300 - 310 310 - 320 320 - 330 330 - 340 No sample 340 - 350

OWNER: Spotsylvania County School Board John J. Wright School - Well #2 DRILLER: Sydnor Pump and Well Co., Inc. COUNTY: Spotsylvania VDMR #967 WWCR #480 474 TOTAL DEPTH: 350'

GEOLOGIC LOG

0-100 No sample.

Wissahickon Schist (100-350')

- 100-110 Chlorite Gneiss dark-gray with pale-pink and greenishwhite, 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 greenishgray, 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.

- 2 -

OWNER: Spotsylvania County School Board - John J. Wright School, Well #2

- 230-240 Chloritic Gneiss medium-gray with pink and light greenishgray, 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 lightgreenish-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

ROCK UNIT

TIME ROCK UNIT

0-100 No sample

100-350

Wissahickon Gneiss Uncertain Virginia Division of Mineral Resources Hollis N. Walker, Geologist

December 4, 1964