

OWNER: Paul Markow, Florist - Well #2
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Henrico (Short Pump)

VDMR #1355
WWCR #180
TOTAL DEPTH: 480'

GEOLOGIC LOG

- 0-13 No sample.
- Sheared Petersburg Granite (13-480')
- 13-50 Cataclastic Granite — salmon-pink and medium- to dark-gray, very-fine- to coarse-grained; large phenocrysts of microcline and albite in a matrix of quartz, sericite, and chlorite; minor pyrite, apatite, and magnetite, trace of epidote; the porphyritic structure is obscured by fracturing and brecciation; many fractures filled with mylonite; the small veinlets of mylonite are a dark-salmon-pink, the larger mylonite zones are very-pale pink-tan.
- 50-75 As above.
- 75-100 As above — with abundant veinlets of calcite.
- 100-125 As above — less calcite.
- 125-150 As above.
- 150-175 As above.
- 175-200 Cataclastic Granodiorite — medium-gray and light-salmon-pink, coarse- to very-fine-grained, mortar structure; andesine, microcline, quartz, chlorite, minor apatite; abundant myrmekite, quartz-rich areas appear quartzitic; minor veinlets of calcite and fractures filled with mylonite.
- 200-225 As above.
- 225-250 As above — slightly darker salmon-pink.
- 250-275 As above.
- 275-300 As above.
- 300-325 Cataclastic Granite — dark-salmon-pink, light-gray, and medium-dark-gray, very-coarse- to very-fine-grained, almost an augen gneiss; microcline, oligoclase, quartz, and chlorite; trace of apatite and pyrite; minor veinlets of calcite and pale-green fractures filled with mylonite.
- 325-350 As above.

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350-375 Cataclastic Granite — dark-salmon-pink, light-gray, and medium-dark-gray, very-coarse to very-fine-grained, almost an augen gneiss; microcline, oligoclase, quartz, and chlorite; trace of apatite and pyrite; minor veinlets of calcite and pale-green and dark-salmon colored fractures filled with mylonite.

375-400 As above.

400-420 As above.

420-440 As above.

440-460 As above.

460-480 As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-13	No sample	
13-480	Sheared Petersburg Granite	Precambrian (?)

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
September 9, 1965