

OWNER: Falwell Well Corporation
(Beechwood Hills Subdivision #3)
DRILLER: Falwell Well Corporation (J. L. Eagle)
COUNTY: Campbell (Lynchburg)

VDMR #1332
WWCR #299
TOTAL DEPTH: 200'

GEOLOGIC LOG

- 0-10 Overburden — medium-orange-brown; average grain size 1.0 mm; muscovite, quartz, kaolin, feldspar, biotite, iron oxides; minor fresh, dark-gray, hornblende gneiss with oligoclase, quartz, and trace calcite.
- 10-20 As above — no hornblende gneiss.
- 20-30 As above.
- 30-40 As above.
- 40-50 Gneiss — light-gray, average grain size 0.5 mm; quartz, albite-oligoclase, muscovite, biotite, alkali feldspar; minor graphite, clay, iron oxide stain, (sample very-finely-ground by drill).
- 50-60 As above — foliated and slightly corrugated, minor pyrite.
- 60-70 As above.
- 70-80 As above.
- 80-90 As above — less foliated.
- 90-100 As above.
- 100-110 Gneiss — medium-light- to medium-dark-gray; grain size 0.2 to 1.0 mm; slightly foliated; biotite, muscovite, quartz, oligoclase, pyrrhotite; minor chlorite, apatite, calcite and alkali feldspar.
- 110-120 As above.
- 120-130 As above — minor vein quartz-calcite with pyrite and zeolites.
- 130-140 Gneiss — medium- to medium-dark-gray, average grain size 0.5 mm; biotite, quartz, muscovite, plagioclase, pyrrhotite, alkali feldspar; minor slickensides and vein quartz.
- 140-150 As above — less vein quartz, and calcite; no slickensides.
- 150-160 As above — no vein quartz and calcite.

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- 160-170 Hornblende Gneiss — dark-gray, average grain size 0.3 mm; hornblende, oligoclase, biotite, quartz, and calcite; minor white lenses of coarse quartz, oligoclase, calcite with minor sphene; minor medium-gray gneiss as in above intervals.
- 170-180 As above — less white lens material.
- 180-190 Gneiss — light-gray; grain size 0.2 to 0.5 mm; biotite, muscovite, quartz feldspar, minor pyrrhotite; lenses of coarse-grained quartz, plagioclase, biotite, and muscovite.
- 190-200 As above — more foliation; minor schistose areas slightly corrugated, less white lens material.

GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

Lynchburg Formation

Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
July 28, 1965