

OWNER: Falwell Well Corporation
(Hyland Springs Subdivision #2)
DRILLER: Falwell Well Corp. (M. E. Sprinkle)
COUNTY: Campbell (Lynchburg)

VDMR #1154
WWCR #290
TOTAL DEPTH: 175'

GEOLOGIC LOG

Overburden (0-50')

- 0-10 Overburden - red brown clay including weathered pieces of gneiss and slightly rounded quartz up to 1/2 inch.
- 10-20 As above - less oxidation, color medium brown.
- 20-30 As above - less large quartz.
- 30-40 Overburden - medium brown, clay, biotite, quartz and pieces of weathered gneiss up to 1/2 inch.
- 40-50 Overburden - light brown clay, biotite, pieces of gneiss, biotite, graphite, feldspar weathered to white chalky clay.

Lynchburg Formation ? (50-170')

- 50-60 Amphibolite - medium gray, medium fine grained, good lineation, hornblende, acid plagioclase, biotite, epidote, dusty pyrite and magnetite, minor muscovite and quartz.
- 60-70 As above - minor vein quartz.
- 70-80 Amphibolite - medium gray, shiny, fine grained, good lineation, hornblende, biotite, epidote, acid plagioclase, dusty pyrite and magnetite, minor quartz.
- 80-90 As above.
- 90-100 Amphibolite - dark gray, medium fine grained, good lineation with some crenulation, hornblende (variety probably barroisite), biotite, epidote, acid plagioclase, finely divided pyrite and magnetite.
- 100-110 Amphibolite - dark gray, shiny, medium grained, hornblende, biotite, epidote, acid plagioclase, larger crystals of pyrite and magnetite, minor vein quartz, good lineation.
- 110-120 As above.

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- 120-130 Amphibolite - dark gray, medium fine grained, lineation good, crenulated, hornblende, biotite, epidote, acid plagioclase, finely divided pyrite and magnetite.
- 130-140 Amphibolite - medium gray, shiny, medium grained, hornblende, biotite, epidote, acid plagioclase, pyrite and magnetite.
- 140-150 As above - vein quartz and calcite.
- 150-160 Amphibolite - medium gray, fine grained, foliated, hornblende, epidote, acid plagioclase, biotite, pyrite and magnetite, minor vein quartz.
- 160-170 Amphibolite - medium gray, medium grained, shiny, foliated, hornblende, biotite, epidote, acid plagioclase. Feldspar fresher than in above intervals, vein quartz abundant.
- 170-175 No samples.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-50	Overburden, weathered gneiss probably Lynchburg	Precambrian
50-170	Amphibolite "Dike" ?	
170-175	No samples	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 26, 1964