



OWNER: Crown Construction Company  
Well #3  
DRILLER: C. R. Moore  
COUNTY: Albemarle (Charlottesville)

VDMR 1272  
WWCR 947  
TOTAL DEPTH: 217'

GEOLOGIC LOG

- 0- 40 No samples.
- 40 Gneiss — light-gray stained with brown; medium-grained, microcline crystals to 10 mm, quartz, plagioclase, and biotite; trace pyrite, slight lineation.
- 50 Gneiss — medium-gray with brown iron oxide stain; poikilitic crystals of potash feldspar (to 15 mm long), included quartz and plagioclase; matrix of medium-grained quartz and feldspar; biotite and muscovite as bands and stringers.
- 60 As above — no iron stain; minor chlorite.
- 70 As above — with much iron stain.
- 80 Gneiss — light-gray, grain size (0.1 mm to 2 mm) with occasional crystal of feldspar to 8 mm; fine-grain, dark-green biotite in stringers and bands; (40% quartz, 30% feldspar, 30% biotite); minor muscovite, trace pyrite.
- 90 Gneiss — very-light-gray; feldspar (to 20 mm), quartz (.2-2 mm); minor amounts fine-grained biotite and muscovite, trace pyrite and vein quartz.
- 100 As above — lighter color; only trace of biotite.
- 110 Gneiss — medium-gray; crystals of feldspar to 10 mm in medium-grained matrix of biotite, muscovite, quartz, feldspar; slight lineation.
- 115 Gneiss — dark-brown and white; platy bands of biotite; bands of vein type quartz; minor amount of gneiss as described above.
- 120 Gneiss — medium-gray, slightly greenish; with white crystals of potash feldspar (to 10 mm) in medium-fine matrix of potash feldspar, plagioclase, quartz, and biotite; minor vein quartz and pyrite.
- 130 As above.
- 140 As above — no vein quartz.

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- 150 Gneiss — very-light-pinkish-gray; large feldspar fragments (over 10 mm), included quartz and biotite; minor portion of sample medium-grained mixture of quartz, feldspar, biotite, pyrite.
- 160 Gneiss — medium-gray, medium-to coarse-grained; quartz, biotite, feldspar; minor pyrite.
- 170 As above — with few large crystals potash feldspar.
- 180 As above — more potash feldspar, vein quartz, muscovite.
- 190 Gneiss — medium-dark-gray and very-pale-pink; large potash feldspar crystals in sugary matrix of quartz, feldspar biotite and muscovite; minor pyrite; slight lineation.
- 200 As above — less biotite, more muscovite.
- 210 Gneiss — very-light-pinkish-gray; potash feldspar crystals with blebs and stringers, smoky and blue quartz, minor muscovite, trace biotite.
- 215 Gneiss — medium-gray and pale-pink, very-coarse-to medium-grained; quartz, feldspar, biotite, muscovite, trace pyrite.
- 215-217 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0- 40	No samples	
40-215	Rockfish Conglomerate	Precambrian
215-217	No sample	

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
March 3, 1965