

OWNER: Clover Realty Company (Woodzell Trailer Court)
DRILLER: Leazer Pump and Well Co.
COUNTY: Albemarle

VDMR #1411

WWCR #967

TOTAL DEPTH: 200'

GEOLOGIC LOG

- 0-10 No sample.
- 10-20 Granite — very-light-gray, stained with orange iron-oxides; grain size: 0.5-3 mm; alkali-feldspar, quartz, muscovite; minor epidote and biotite; trace magnetite.
- 20-30 As above.
- 30-40 Granite — light-gray, slightly greenish; grain size: 1-3 mm; alkali-feldspar, quartz, muscovite; minor biotite; trace pyrite.
- 40-50 As above.
- 50-60 As above — trace iron-oxide stain.
- 60-70 Fractured Granite — light-gray and orange-brown; grain size: 0.5-6 mm; alkali-feldspar, quartz, muscovite, biotite, epidote; minor pyrite; trace fluorite, minor fine-grained biotite schist.
- 70-80 Granite — light-gray; grain size: 1-6 mm; alkali-feldspar; quartz, muscovite; minor biotite, epidote, oligoclase; trace pyrite.
- 80-90 As above — slightly lighter, less epidote; minor fragments of iron-stained granite (may be contamination from 60-70 ft. level).
- 90-100 As above.
- 100-110 As above — trace fluorite.
- 110-120 As above.
- 120-130 Fractured Granite — cream-colored, slight orange iron-oxide stain, grain size: 0.5-10 mm; alkali-feldspar, quartz; minor muscovite, biotite.
- 130-140 Granite — very-light-gray; drill cuttings too fine to determine the grain size; alkali-feldspar, quartz, minor muscovite, biotite; trace epidote and pyrite.
- 140-150 As above — grain size: 0.5-6 mm (drill cuttings coarser); trace pyrrhotite, trace of iron stained granite.
- 150-160 As above — with a minor well defined orange stained fracture zone.

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- 160-170 Biotite-Epidote Gneiss — medium-dark-gray-green; medium-coarse-grained; foliated and corrugated; biotite, epidote, quartz, minor alkali-feldspar and hornblende.
- 170-180 Biotite-Epidote Gneiss and Granite — gneiss: as described above; granite: nearly white, grain size: 1-5 mm; alkali-feldspar, quartz, minor muscovite, biotite, epidote; trace pyrite.
- 180-190 Granite — nearly white, grain size: 1-5 mm; alkali-feldspar, quartz, minor biotite, muscovite; trace fluorite and epidote; muscovite concentrated in layers and rock has a slightly gneissic texture.
- 190-200 Granite and Biotite-Epidote Gneiss — granite: as described above; gneiss: medium-dark-gray-green, medium-coarse-grain, foliated; biotite, epidote, quartz, minor alkali-feldspar.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-10	No sample	
10-200	Granite Gneiss (Marshall Formation ?)	Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
November 17, 1965