

OWNER: L. H. White (Lofton Construction Co.)
DRILLER: Leazer Pump and Well Co., Inc.
COUNTY: Fauquier (New Baltimore)

VDMR #1489
WWCR #126
TOTAL DEPTH: 142'

GEOLOGIC LOG

10 Overburden — medium-purplish-gray clay, fragments of red brown claystone, weathered basalt, iron oxide concretions; minor quartz sand.

20 Overburden -medium-pinkish-gray clay fragments of weathered vesicular basalt and iron oxide concretions.

Basalt (30-80')

30 Weathered Basalt — brownish-gray, fine-grained, massive, slightly vesicular; feldspar, sericite, clay, iron oxide minerals.

40 Weathered Vesicular Basalt — medium-pinkish-gray, very-fine-grained, vesicles partially filled with calcite, prehnite and minor chlorite.

50 fewer vesicles.

60 Weathered Basalt — medium-gray, slightly bluish-red; very-fine-grained massive; plagioclase, pyroxene, magnetite and hydrous iron oxides, sericite and chlorite; minor vein calcite.

70 Basalt — medium-gray, slightly bluish-red to greenish; medium-fine-grained, massive; hydrothermally altered; plagioclase, pyroxene sericite, chlorite, magnetite; minor hornblende, hydrous iron oxides.

80 "

Diabase (90-140')

90 Diabase — medium-light-gray, grain size: 0.25 to 1.0 mm; hydrothermally altered, fractured into slabs; plagioclase, pyroxene, chlorite sericite; trace hornblende and magnetite.

100 no evidence of fracturing.

110 Diabase — medium-gray, subophitic, grain size: 0.1 to 1.0 mm; hydrothermally altered; plagioclase, pyroxene, sericite, chlorite trace magnetite.

120 Diabase — dark-gray, subophitic, grain size: 0.2 to 0.8 mm; hydrothermally altered; plagioclase pyroxene, sericite, chlorite, magnetite.

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130 Diabase — dark-gray, subophitic, grain size: 0.2 to 0.8 mm;
hydrothermally altered; plagioclase, pyroxene, sericite,
chlorite, magnetite.

140 "

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
10-20	Overburden	Recent
30-80	Basalt	Triassic ?
90-140	Diabase	Triassic ?

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
March 2, 1966