INTERVAL SHEET

WWCR 159 Page__ 1 VDMR Well No.: 1373 Date 9/27/65 Sample Interval: from 0 to 250 PROP: Carlisle Water Corp. #5 Total depth 250 Oil___Gas__Water_X_Exploratory____ COMP: Falwell Well Corp. Cuttings X Core Other COUNTY: Henry (Martinsville) VDMR WELL NO: W-1373 WASHED SAMPLES From-To From-To From-To From-To From-To 0 - 10 10 - 20 20 - 30 30 - 40 40 - 50 50 - 60 60 - 70 70 - 80 80 - 90 90 - 100 100 - 110 110 - 120 120 - 130 130 - 140 140 - 150 150 - 160 160 - 170 170 - 180 180 - 190 190 - 200 200 - 210 210 - 220 220 - 230 230 - 240 240 - 250

OWNER: Carlisle Water Corp. Well # 5
DRILLER: Falwell Well Co. (Sprinkle)

COUNTY: Henry (Martinsville)

VDMR WELL # 1373 WWCR WELL # 159 TOTAL DEPTH : 250

GEOLOGIC LOG

Overburden (0-20)	Overburden ((0-20')
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0-10 Residual Mica Schist - orange-brown, coarse-grained, biotite,

muscovite, kaolinized feldspar, ilmenite-magnetite.

10-20 As above - more gray color.

Mica Schist (20-80')

20-30 Saprolitic Mica Schist - orange-brownish-gray, coarsegrained-biotite, muscovite, quartz, feldspar, kaolin,

minor chlorite, hornblende, ilmenite-magnetite and pyrrhotite.

30-40 As above

40-50 As above - with one fragment very-massive, dark hornblendite.

50-60 As above - no hornblendite.

60-70 Biotite Gneiss - brownish-black and white, foliated, coarse-

grained (0.5 to 2 mm); biotite quartz, epidote; minor

hornblende and microcline; trace calcite; the feldspar and

quartz occur concentrated in irregular patches.

70-80 As above

Hornblende Gneiss (80-250')

80-90 Hornblende Gneiss - black and white, coarse-grained (0.5 to

1 mm); hornblende, plagioclase, alkali-feldspar; quartz, biotite and epidote; minor pyrrhotite, magnetite, zircon and calcite; irregular pockets, lenses and veins of almost white granular quartz and feldspar; biotite occurs in these

pockets.

90-100 As above

100-110 As above

110-120 As above

120-130 As above

130-140 As above

140-150 As above

150-160 As above - minor fractures with chlorite coating.

160-170 As above - more feldspar, minor muscovite.

170-180 As above

OWNER: Carlisle Water Corp. # 5

#1373

180-190	Hornblende Gneiss - black and white, medium to coarse grained, (0.25 to 3 mm); hornblende, feldspar, quartz, epidote, biotite, muscovite, minor pyrite, and pyrrhotite; fine-grained chlorite along fractures; white minerals are concentrated in veins, bands and pockets.		
190-200	As above		
200-210	As above		
210-220	As above		
220-230	As above		
230-240	As above		
240-250	As above - minor vein of pyrite and epidote.		

GEOLOGIC SUMMARY

	ROCK UNIT	TIME ROCK UNIT
0-20	Overburden	Recent
20-80	Mica Schist	Precambrian
80-250	Hornblende Gneiss	Precambrian

Virginia Division of Mineral Resources Hollis N. Walker, Geologist October 1, 1965