OWNER: Dr. C. R. Nuckolls	VDMR: 1693
(Nuckolls Water System, Well # 1)	WWCR: 198
DRILLER: Sydnor Hydrodynamics	TOTAL DEPTH: 255'
COUNTY: Carroll (Hillsville)	

GEOLOGIC LOG

Depth in feet

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0

0

0-10	Gneiss - reddish-tan, weathered, iron-oxide staining, fine-grained, foliated, micaceous; quartz, biotite, feldspar and muscovite
10-20	T P
20-30	Biotite-gneiss - gray, fine-grained, foliated, very micaceous; quartz, biotite, muscovite, feldspar, and trace of pink garnet
30-40	17
40-50	2.5
50-60	11
60-70	
70-80	
80-90	**
90-100	ET
100-110	17
110-120	.,
120-130	75
130-140	
140-150	" with trace of pyrite
150-160	
160-170	11
170-180	" with trace of chlorite
180-190	" increase in quartz and chlorite

	r. C. R. Nuckolls uckolls Water System, V	- 2 - Well # 1)	VDMR: 1693
190-200	Mica Schist - gray, biotite, chlorite, qu few slickensides	-	-foliated; muscovite, d trace of pyrite; a
200-210	"		
210-220	11		
220-230	Biotite-muscovite g micaceous; quartz,		-
230-240	Mica Schist - gray, biotite, chlorite, qu a few slickensides	-	-foliated; muscovite, d trace of pyrite;
240-250	11		
250-255	11		

GEOLOGIC SUMMARY

	Rock Unit	
0-20'	Saprolite	
20-255'	Lynchburg Formation (?)	

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Virginia Division of Mineral Resources

Age

Precambrian

Robert G. Willson, Geologist December 15, 1967