

INTERVAL SHEET

Page 1 of 1

VDMR Well No: 1794

Date rec'd: 1/24/67

Sample Interval: from 0 to 320

PROP: Pittsylvania Co. School Board  
(Kentuck School #3)

Number of samples: 32

COMP: Falwell Well Corp.

Total Depth: 320

COUNTY: Pittsylvania (Kentuck)

Oil or Gas: Water<sup>X</sup> Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
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	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples

OWNER: Pittsylvania County Schools  
(Kentuck Well #3)  
DRILLER: Falwell Well Corporation  
COUNTY: Pittsylvania (Kentuck)

VDMR: 1794  
WWCR: 203  
TOTAL DEPTH: 300'

GEOLOGIC LOG

Depth in feet

OVERBURDEN (0-50)

0-10 Overburden - light tan soil with quartz, bleached biotite, and feldspar.  
10-20 "  
20-30 "  
30-40 "  
40-50 "

MIXED HORNBLLENDE AND BIOTITE-GRANITE GNEISS (50-250')

50-60 Hornblende Gneiss - greenish-black, fine-grained; with biotitic partings and with vitreous, yellow-green epidote crystals and blue-green acicular hornblende crystals up to 0.5-1.0 mm long; one fragment of muscovite-gneiss with garnet.  
60-70 Hornblende Gneiss - gray-green, micaceous, fine-grained chlorite-sericite-hornblende gneiss.  
70-80 "  
80-90 Hornblende Gneiss - black and greenish-gray, fine-grained.  
90-100 " with some chlorite schist.  
100-110 " with white and pale-green fine grained, chlorite and biotite gneiss.  
110-120 " with some fine-grained, white muscovite-quartz-gneiss containing traces of pyrite.  
120-130 " with calcite fracture cleavage fillings.  
130-140 Hornblende Gneiss - with pale-green and white, fine-grained chlorite and biotite gneiss.

OWNER: Pittsylvania County Schools (Kentuck Well #3)

#1794

- 140-150 Hornblende Gneiss and Hornblende-Chlorite Gneiss - black and dark-green, fine-grained; with traces of epidote.
- 150-160 Hornblende Gneiss - dark green; fine-grained; with some garnet and fragments of muscovite-granite gneiss containing traces of pyrite.
- 160-170 Granitic Gneiss - pink; medium grained with 10% fine-grained, dark-green chlorite schlieren; some fine grained biotite-garnet gneiss is present.
- 170-180 Hornblende Gneiss and Biotite Muscovite Gneiss - dark-green, fine-grained; with garnet and dark-gray, fine-grained biotite-muscovite gneiss.
- 180-190 Hornblende Gneiss - dark green, fine grained.
- 190-200 Granitic Gneiss - pink; biotitic, medium-grained.
- 200-210 " with a few fragments of hornblende gneiss.
- 210-220 " "
- 220-230 Hornblende Gneiss - black and gray-green; with some hornblende chlorite gneiss.
- 230-240 "
- 240-250 Granitic Gneiss - pink; biotitic, medium-grained.

MIXED MUSCOVITE-PLAGIOCLASE-QUARTZ GNEISS (250-280)

- 250-260 Muscovite Gneiss - gray, fine-grained, felsic muscovite gneiss; some green, fine-grained chlorite-hornblende gneiss with traces of pyrite.
- 260-270 "
- 270-280 "
- 280-290 Granitic Gneiss - pink; with 10% fine-grained biotite and chlorite schlieren.
- 290-300 "
- 300-310 "
- 310-320 "

OWNER: Pittsylvania County Schools (Kentuck Well #3)

#1794

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-50	Overburden	
50-250	Mixed Hornblende and Biotite- Granite Gneiss	Late Precambrian-Early Paleozoic
250-280	Mixed Muscovite-Plagioclase- Quartz Gneiss and altered hornblende gneiss	Late Precambrian-Early Paleozoic
280-320	Biotite Granite Gneiss	Late Precambrian-Early Paleozoic

Virginia Division of Mineral Resources  
Richard S. Good, Geologist  
March 3, 1967