

VIRGINIA DIVISION OF MINERAL RESOURCES  
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

WWCR-455

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Well Repository No: W-1830

Date rec'd: 3/9/67

Sample Interval: from 0' to: 410'

PROPERTY: Highfields #2 (Kesler)

Number of samples: 33

COMPANY: J. T. Kesler Drilling Co.

Total Depth: 440'

COUNTY: Roanoke (Cave Spring)

Oil or Gas: Water  Exploratory:

From-To	From-To	From-To	From-To
0 - 10	261 -	-	-
10 - 20	271 -	-	-
20 - 30	281 -	-	-
30 - 40	291 -	-	-
40 - 50	301 -	-	-
-	311 -	-	-
-	321 -	-	-
-	331 -	-	-
80 - 90	341 -	-	-
90 - 100	351 -	-	-
100 - 110	-	-	-
110 - 120	371 -	-	-
120 - 130	381 -	-	-
130 - 140	391 -	-	-
140 - 150	401 -	-	-
150 - 160	410 -	-	-
160 - 170	-	-	-
170 - 180 *	-	-	-
180 - 190 *	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples  
 \* Unwashed samples only

OWNER: J. T. Kesler (Highfields #2)  
DRILLER: J. T. Kesler Drilling Co.  
COUNTY: Roanoke (Cave Spring)

VDMR: 1830  
WWCR: 455  
TOTAL DEPTH: 440'

GEOLOGIC LOG

Depth  
in feet

0- 10	Weathered granodiorite - brown, iron-oxide stained; coarse to fine-grained quartz, feldspar and dark minerals
10- 20	"
20- 30	"
30- 40	"
40- 50	"
50- 80	No samples
80- 90	Granodiorite - gray; medium to coarse grained, saussuritized; feldspar, quartz, hypersthene, and minor amounts of graphite and other dark minerals
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	"
150-160	"
160-170	"
170-180	"
180-190	"
190-200	"
200-210	"
210-261	No samples

261	Granodiorite - gray; medium to coarse grained, saussuritized; feldspar, quartz, hypersthene, and traces of mica, galena and graphite
271	"
281	"
291	"
301	"
311	"
321	"
331	"
341	"
351	"
361	No sample
371	Granodiorite - gray; medium to coarse grained, saussuritized; feldspar, quartz, hypersthene, and traces of graphite and mica
381	"
391	"
401	"
410	"
410-440	No samples

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0- 50'	Pedlar Formation	Pre-Cambrian
50- 80'	No samples	—
80-410'	Pedlar Formation	Pre-Cambrian
410-440'	No samples	—

Virginia Division of Mineral Resources  
Robert G. Willson, Geologist  
June 11, 1969