

INTERVAL SHEET

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VDMR Well No.: 774 WWCR # 197

Date 1-14-63

Sample Interval: from 0 to 413

PROP: Pittsylvania Co. School Board
(Kentuck School #2)

Total depth 413

COMP: A. T. Conner

Oil Gas Water X Exploratory

COUNTY: Pittsylvania

Cuttings X Core Other

From-To	From-To	From-To	Washed Samples From-To	From-To
-	0 - 10	300 - 310	Complete set of	-
-	10 - 20	310 - 320	sampled intervals	-
-	20 - 30	320 - 330	-	-
-	30 - 40	330 - 340	-	-
-	40 - 50	340 - 350	-	-
-	50 - 60	350 - 360	-	-
-	60 - 70	360 - 370	-	-
-	70 - 80	370 - 380	-	-
-	80 - 90	380 - 390	-	-
-	90 - 100	390 - 400	-	-
-	100 - 110	400 - 413	-	-
-	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	-	-	-

OWNER: Pittsylvania County School Board
(Kentuck School Well #2)
DRILLER: A. T. Conner
COUNTY: Pittsylvania (Danville)

VDMR # 774
WWCR # 197
TOTAL DEPTH : 413

SAMPLE DESCRIPTION
(Washed Samples)

0-10	Silt - orange, very fine grained, subrounded, argillaceous, micaceous, trace of weathered feldspar, slight trace of mafic minerals
10-20	As above
20-30	Silt - tan, very fine grained, subrounded, argillaceous, micaceous, trace of weathered feldspar, slight trace of mafic minerals
30-40	As above
40-50	Silt - tan, very fine to medium grained, subrounded, argillaceous, micaceous, trace of weathered feldspar and iron oxide, slight trace of mafic minerals
50-60	Granite gneiss - white and black, fine grained, hard, massive, 60% quartz, 20% feldspar, 10% biotite, 5% muscovite, 3% amphibole, trace of pyrite, slight trace of garnet (top of bedrock in this interval)
60-70	Granite gneiss - white and black, medium grained, hard, massive, 60% quartz, 15% feldspar, 15% biotite, 5% muscovite, 3% amphibole, trace of pyrite and garnet
70-80	Quartz amphibole schist - black and white, hard, massive, fine grained, 50% quartz, 35% amphibole, 5% biotite, 5% white feldspar, heavy trace of iron oxide, trace of pyrite and garnet
80-90	As above
90-100	As above
100-110	Quartz amphibole schist - black and white, hard, massive, fine grained, 50% quartz, 35% amphibole, 5% biotite, 5% white feldspar, heavy trace of iron oxide, trace of magnetite slight trace of garnet
110-120	As above
120-130	As above
130-140	As above

140-150	As above
150-160	Quartz amphibole schist - white and black, hard, massive, fine grained, 60% quartz, 20% amphibole, 10% white feldspar, 5% biotite, heavy trace of iron oxide
160-170	As above
170-180	As above
180-190	As above
190-200	Quartz amphibole schist - black and white, hard, massive, fine grained, 55% quartz, 25% amphibole, 10% white feldspar, 5% biotite, heavy trace of iron oxide, trace of magnetite
200-210	Granite - white with trace of pink, hard, massive, coarse grained (X-ray analysis: 40% orthoclase feldspar, 25% plagioclase feldspar, 25% quartz, 8% mica and amphibole)
210-220	Granite - white, hard, massive, medium grained, 60% feldspar, 30% quartz, 3% amphibole, 3% biotite, 3% muscovite, trace of iron oxide
220-230	Granite - white, pink, and black, hard, massive, medium grained, 50% feldspar, 35% quartz, 10% amphibole, 3% biotite, trace of iron oxide
230-240	As above
240-250	As above
250-260	As above
260-270	Granite - white and black, hard, massive, medium grained, 60% feldspar, 30% quartz, 8% feldspar, heavy trace of iron oxide, trace of biotite
270-280	As above
280-290	As above
290-300	Granite - white, pink, and black, hard, massive, medium grained, 50% feldspar, 40% quartz, 8% amphibole, heavy trace of iron oxide

300-310	Granite - white, pink, with some black, hard, massive, medium grained, 60% feldspar, 35% quartz, 3% amphibole, 1% muscovite, heavy trace of iron oxide, slight trace of magnetite
310-320	As above
320-330	As above
330-340	As above
340-350	As above
350-360	Granite - white with some black, hard, massive, medium grained, trace of iron oxide (X-ray analysis: 35% orthoclase feldspar, 35% quartz, 25% plagioclase feldspar, 3% mica, 1% amphibole)
360-370	As above
370-380	As above
380-390	As above
390-400	As above
400-413	As above

GEOLOGIC SUMMARY

AGE

Precambrian

ROCK UNIT

Wissahickon formation

Virginia Division of Mineral Resources
Merrick S. Whitfield - Geologist
January 17, 1963