

INTERVAL SHEET

WWCR 63

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VDMR Well No.: Well No. 1147

Date 10/12/64

Sample Interval: from 0 to 425

PROP: Boones Mill
Elementary School #3

Total depth 445

COMP: Martin Drilling

Oil Gas Water Exploratory

COUNTY: Franklin (Boones Mill)

Cuttings Core Other

VDMR Well No: W-1147

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	300 - 310	-
-	-	10 - 20	310 - 320	-
-	-	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 - 410	-
-	-	110 - 120	410 - 420	-
-	-	120 - 130	420 - 425	-
-	-	130 - 140	425 - 445 No sample	-
-	-	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: Franklin County School Board
Boones Mill Elementary School (Well #3)
DRILLER: Frank W. Martin Drilling Company
COUNTY: Franklin (Boones Mill)

VDMR #1147
WWCR # 63
TOTAL DEPTH: 445'

GEOLOGIC LOG

Lynchburg Formation (0-370')

0-10	Overburden — brownish-gray, fine-grained, weathered schist and phyllite; mica, quartz, clay, trace magnetite.
10-20	As above.
20-30	As above.
30-40	Schist — medium-dark-gray, fine-grained, foliated; mica and quartz with garnet up to 2 mm, minor biotite to 1 mm, pyrrhotite finely disseminated and in layers and veins to 1 mm thick; occasionally showing minor poorly developed slickensides; the dark color of this rock is due to very-fine inclusion, in the mica and quartz, of a black opaque which may be graphite or an iron sulphide.
40-50	As above.
50-60	As above.
60-70	As above.
70-80	As above.
80-90	As above.
90-100	As above.
100-110	As above.
110-120	Schist — medium-dark-gray, fine-grained, foliated; mica, quartz, garnet, pyrrhotite; very minor quartz-muscovite rich material.
120-130	As above.
130-140	As above
140-150	As above.
150-160	As above — with minor medium-gray, quartz schist, grain size 0.2-1.0 mm.

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- 160-170 Phyllite and Schist — dark-gray, very-fine-grained phyllite; medium-dark-gray, 0.1-1.0 mm grain size schist; quartz, mica, garnet, pyrrhotite (trace slickensides).
- 170-180 Schist — medium-dark-gray, fine-grained, foliated; mica, quartz, garnet, pyrrhotite (trace slickensides).
- 180-190 As above — minor amount light-gray quartz schist.
- 190-200 As above.
- 200-210 As above.
- 210-220 As above.
- 220-230 As above.
- 230-240 As above.
- 240-250 As above.
- 250-260 Schist — medium-dark-gray, grain size up to 1.0 mm, fissile; mica, quartz, garnet, pyrrhotite.
- 260-270 As above.
- 270-280 As above.
- 280-290 Schist — medium-dark-gray, grain size up to 1.0 mm, fissile; mica, quartz, pyrrhotite, garnet; minor amounts light-gray, quartz schist.
- 290-300 As above.
- 300-310 As above.
- 310-320 As above.
- 320-330 Schist — medium-dark-gray, grain size up to 1.0 mm; mica, quartz, pyrrhotite, garnet; minor amounts quartz schist probably due to secondary quartz enrichment.
- 330-340 As above.
- 340-350 As above.
- 350-360 Schist — medium-dark-gray, fine-grained, mica, quartz, garnet, pyrrhotite, minor quartz schist; poorly developed slickensides on pyrrhotite rare.

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360-370 Schist — medium-dark-gray, fine-grained, mica, quartz, garnet, pyrrhotite, minor quartz schist.

Lynchburg and Amphibolite Intrusives (370-425')

370-380 Schist and Amphibolite — (very fine cuttings mixed by drill) dark-brown, green, and light-gray, 0.2-1.0 mm grain size; quartz, hornblende, biotite, muscovite, calcite, garnet, pyrrhotite.

380-390 As above.

390-400 As above — trace plagioclase.

400-410 As above.

410-420 As above.

420-425 As above.

425-445 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-370	Lynchburg Formation	Precambrian
370-425	Lynchburg and Amphibolite intrusives	Precambrian and Ordovician ?
425-445	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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