

INTERVAL SHEET

WWCR 62

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VDMR Well No.: Well No. 1146

Date 10/9/64

Sample Interval: from 0 to 320

PROP: Boones Mill
Elementary School #2
 COMP: Martin Drilling
 COUNTY: Franklin (Boones Mill)

Total depth 320
 Oil Gas Water X Exploratory
 Cuttings X Core Other

VDMR Well No: W-1146

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	-	-
-	-	10 - 20 No sample	-	-
-	-	20 - 30	300 - 310	-
-	-	30 - 40	310 - 320	-
-	-	40 - 50	-	-
-	-	50 - 60	-	-
-	-	60 - 70	-	-
-	-	70 - 80	-	-
-	-	80 - 90	-	-
-	-	90 - 100	-	-
-	-	100 - 110	-	-
-	-	110 - 120	-	-
-	-	120 - 130	-	-
-	-	130 - 140	-	-
-	-	140 - 150 No sample	-	-
-	-	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 No sample	-	-
-	-	280 - 290	-	-
-	-	290 - 300	-	-

OWNER: Franklin County School Board
Boones Mill Elementary School - Well #2
DRILLER: Frank W. Martin Drilling Company
COUNTY: Franklin (Boones Mill)

VDMR #1146
WWCR #62
TOTAL DEPTH: 320'

GEOLOGIC LOG

- 0-10 Overburden — medium-orange-brown and gray, fine-grained; oxidized iron-rich phyllite; mica, quartz and clay.
- 10-20 No sample.
- 20-30 Overburden — medium-brownish-gray, medium-grained; weathered, iron-rich phyllite: mica, quartz, and garnet.
- 30-40 As above.
- 40-50 Phyllite — medium-dark-gray, fine-grained; mica, quartz, pyrite, pyrrhotite, possible graphite. (Grain mount examination showed the quartz and mica to include large amount of a dusty opaque material which may be either graphite or an iron sulphide).
- 50-60 Phyllite — dark-gray, fine-grained, foliated; quartz, mica, garnet 0.5 to 2.0 mm, minor biotite to 1.0 mm; stringers and layers of pyrrhotite to 1.0 mm thick; also disseminated pyrrhotite.
- 60-70 As above — slightly lighter color.
- 70-80 As above — more quartz.
- 80-90 As above.
- 90-100 Phyllite — dark-gray, fine-grained, foliated; mica, quartz, garnet, pyrrhotite (in layers to 1.5 mm thick and often with poorly developed slickensides), minor disseminated calcite and biotite.
- 100-110 As above.
- 110-120 As above.
- 120-130 As above.
- 130-140 As above.
- 140-150 No sample.
- 150-160 Phyllite — dark-gray, fine-grained, foliated; mica, quartz, garnet, pyrrhotite, minor poorly developed slickensides.

OWNER: Franklin County School Board - Boones Mill Elementary School #2

- 160-170 Phyllite — dark-gray, fine-grained, foliated; mica, quartz, garnet, pyrrhotite, minor poorly developed slickensides.
- 170-180 As above.
- 180-190 As above.
- 190-200 As above.
- 200-210 As above — trace of slickensides.
- 210-220 As above.
- 220-230 Quartz Schist — medium-gray, .05-0.5 mm grain size; quartz, biotite, pyrrhotite, minor feldspar and amphibole; small amount dark-gray, fine-grained phyllite.
- 230-240 As above — coarser; .05 to 1.0 mm; with garnet.
- 240-250 Phyllite — dark-gray, fine-grained; mica, quartz, garnet, pyrrhotite; minor coarse biotite layers.
- 250-260 Quartz Schist — light-gray, 0.1 to 3.0 mm grain size; quartz, biotite, pyrrhotite.
- 260-270 Schist — medium-dark-gray, grain size up to 1 mm; quartz, mica, garnet; minor veins white granular quartz.
- 270-280 No sample.
- 280-290 Phyllite — dark-gray, very-fine-grained; mica, quartz, pyrrhotite, garnet; minor vein calcite; few slickensides.
- 290-300 Schist — medium-dark-gray, grain size up to 1 mm; mica, quartz, pyrrhotite, garnet.
- 300-310 As above — more fine-grained material; with minor white quartz-feldspar schist.
- 310-320 Quartz Schist, and Phyllite — medium-light-gray, 0.2 to 2.0 mm grain size quartz schist with dark-gray, very-fine-grained phyllite; quartz, mica, pyrrhotite, garnet.

GEOLOGIC SUMMARY

ROCK UNIT

Lynchburg Formation

AGE

Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
February 10, 1965