

INTERVAL SHEET

WWCR 60

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VDMR Well No.: Well No. 1144

Date 10/8/64

Sample Interval: from 0 to 360

PROP: Rocky Mt. School

Total depth 360

COMP: Martin Drilling

Oil Gas Water Exploratory

COUNTY: Franklin (Rocky Mt.)

Cuttings Core Other

VDMR Well No: W-1144

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 - 350	-
-	-	40 - 50	350 - 360	-
-	-	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	-	-

OWNER: Franklin County School Board
Rocky Mount Elementary School
DRILLER: Frank W. Martin Drilling Company
COUNTY: Franklin (Rocky Mount)

VDMR #1144
WWCR #60
TOTAL DEPTH: 360'

GEOLOGIC LOG

Lynchburg Formation (0-240')

- 0-10 Overburden — orange-brown, loose material 5 mm. to .2 mm; mica, sericite, quartz; minor garnet, hornblende, hematite stain.
- 10-20 As above — more hematite, minor manganese stain.
- 20-30 Saprolitic Gneiss — orange-brown, average grain size .5 mm; minor fragments of gneiss, quartz, mica, feldspar, clay; minor hematite, limonite and manganese stain.
- 30-40 As above — less hematite, more manganese stain.
- 40-50 As above — with fragments of schistose and quartzitic rock to 15 mm.
- 50-60 Saprolitic Gneiss — grayish-orange, fragments of schistose and quartzitic rock; quartz, mica, limonite, manganese stain.
- 70-80 As above — no rock fragments.
- 80-90 Gneiss and Quartzite — white and black, foliated; 2 mm to .2 mm grain size; gneiss: quartz, biotite, muscovite, and minor pyrite, interbedded with quartzite; pale-blue and orange, medium sand and pebbles to 6 mm.
- 90-100 Gneiss — medium gray, foliated; .1 to 1 mm grain size; quartz, biotite, muscovite, minor pyrite; some iron staining on fractures; trace of quartzite conglomerate.
- 100-110 As above — with garnet; no quartzite.
- 110-120 As above.
- 120-130 As above — with minor quartzite conglomerate; vein quartz, and more iron stained fractures.
- 130-140 Gneiss — light-gray to medium-gray, well foliated; quartz, biotite, muscovite, garnet, pyrite; iron and manganese stain on fractures.

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- 140-150 Gneiss — light-gray to medium-gray, well foliated; quartz, biotite, muscovite, garnet, pyrite; iron and manganese stain on fractures.
- 150-160 As above — less iron and manganese stain.
- 160-170 Gneiss — black and white, well foliated, shiny; biotite (1.5 to 3.0 mm in size) quartz (average size 0.3 mm), muscovite, garnet, pyrite; vein quartz iron and manganese stain.
- 170-180 As above — no vein quartz, very little stain.
- 180-190 Gneiss — white and black, 0.2 mm to 1 mm grain size; quartz, biotite, muscovite, garnet, minor chlorite.
- 190-200 Gneiss — medium-gray, well foliated, shiny; biotite (1-4 mm), muscovite (1-2 mm) quartz (0.1 - 0.3 mm) garnet (up to 1 mm) pyrite (flakes up to 1 mm) trace plagioclase, calcite, chlorite.
- 200-210 As above.
- 210-220 As above - more quartz, finer grain.
- 220-230 As above — coarser biotite, abundant vein quartz.
- 230-240 Gneiss — light-gray, 0.2-1 mm grain size; foliated, quartz, biotite, muscovite, garnet minor pyrite; minor amounts amphibolite.
- Amphibolite Dike (240-250')
- 240-250 Amphibolite — nearly black, greenish; average grain size 0.2 x 1 mm; greenish hornblende, minor garnet, quartz, biotite, pyrite; vein of quartz calcite and garnet.
- Lynchburg Formation (250-360')
- 250-260 Gneiss — medium-gray, 1.0 to 0.2 mm grain size; quartz, biotite, hornblende, muscovite, garnet, trace pyrite, calcite, plagioclase.
- 260-270 As above — better foliation, less hornblende.
- 270-280 As above — no hornblende.
- 280-290 As above.
- 290-300 Gneiss — medium-gray; quartz, biotite, muscovite, garnet, and pyrite, very minor iron oxide stain.

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- 300-310 Gneiss —medium-gray; quartz, biotite, muscovite, garnet, and pyrite, very minor iron oxide stain, trace vein quartz.
- 310-320 As above — no vein quartz.
- 320-330 As above.
- 330-350 Gneiss — medium-gray; quartz, biotite, muscovite, pyrite.
- 350-360 As above — with vein quartz.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-240	Lynchburg Formation	Precambrian
240-250	Amphibolite Dike	Ordovician ?
250-360	Lynchburg Formation	Precambrian

Virginia Division of Mineral Resources
 Hollis N. Walker, Geologist
 February 5, 1965