

INTERVAL SHEET

WWCR 933

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VDMR Well No.: Well No. 1051

Date 6/12/64

Sample Interval: from 105 to 400

PROP: Health, Education

Total depth 401

and Welfare

COMP: C. R. Moore

Oil Gas Water Exploratory

COUNTY: Albemarle (Charlottesville)

Cuttings Core Other

VDMR Well No: W-1051

Washed samples only

From-To

From-To

From-To

From-To

From-To

-	-	0 - 105	No samples	-
-	-	105 - 106	390	400
-	-	106 - 110	400	401
-	-	110 - 120	-	No sample
-	-	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	-	-
-	-	300 - 310	-	-
-	-	310 - 320	-	-
-	-	320 - 330	-	-
-	-	330 - 340	-	-
-	-	340 - 350	-	-
-	-	350 - 360	-	-
-	-	360 - 370	-	-
-	-	370 - 380	-	-
-	-	380 - 390	-	-

OWNER: U. S. Department of Interior
Health, Education, & Welfare
DRILLER: C. R. Moore
COUNTY: Albemarle (Charlottesville)

VDMR #1051
WWCR #933
TOTAL DEPTH: 401'

GEOLOGIC LOG

0-105 No samples.

Lynchburg Formation (105-400')

- 105-106 Schist — greenish-gray, fine-grained, quartz, sericite, chlorite, epidote, minor calcite and pyrite.
- 106-110 As above.
- 110-120 As above — with more pyrite.
- 120-130 As above.
- 130-140 Greenstone — greenish-gray, fine-grained, quartz, chlorite, epidote, minor calcite, and pyrite, less micaceous, (X-ray examination: chlorite 35%, amphibole 30%, plagioclase 20%, calcite 5%, quartz 10%).
- 140-150 As above.
- 150-160 Schist — grayish-greenish-gray, quartz, sericite, biotite, chlorite, minor pyrite, and traces of tremolite (?), (X-ray examination: chlorite 15%, plagioclase 30%, quartz 35%, mica 20%).
- 160-170 Gneiss — grayish-green; blue quartz grains (rounded), biotite, diminishing chlorite, minor pyrite and dolomite (?).
- 170-180 As above — more quartzose.
- 180-190 As above — with increasing tremolite.
- 190-200 As above — increase of sericite.
- 200-210 As above.
- 210-220 As above.
- 220-230 As above.
- 230-240 Gneiss — grayish-green, blue quartz, white quartz, biotite, sericite, minor pyrite, and calcite, (X-ray examination: plagioclase 30%, calcite 10%, quartz 35%, mica 25%).

OWNER: U. S. Dept. of Interior - Health, Education, & Welfare #1051

- 240-250 Gneiss — grayish-green, blue quartz, white quartz, biotite, increase of sericite, minor pyrite, and calcite, (X-ray examination: plagioclase 30%, calcite 10%, quartz 35%, mica 25%).
- 250-260 As above.
- 260-270 As above.
- 270-280 As above.
- 280-290 As above.
- 290-300 As above — more quartzose.
- 300-310 As above — with increasing pyrite.
- 310-320 Quartzite — gray, medium-texture, quartz, round blue quartz grains, biotite, minor chlorite, epidote, magnetite or ilmenite, and pyrite.
- 320-330 Schist — green, fine- to medium-grained, quartz, chlorite, sericite, biotite metacrysts, minor pyrite.
- 330-340 As above — increasing chlorite.
- 340-350 As above.
- 350-360 As above — with traces of epidote and magnetite.
- 360-370 As above.
- 370-380 As above — with minor carbonate.
- 380-390 As above.
- 390-400 Schist — green, fine- to medium-grained, quartz, chlorite, sericite, biotite metacrysts, minor pyrite, (X-ray examination: chlorite 45%, plagioclase 20%, calcite 5%, quartz 20%, mica 10%).
- 400-401 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-105	No samples	
105-400	Lynchburg Formation	Upper Precambrian or Lower Cambrian
400-401	No sample	

Virginia Division of Mineral Resources
Villard S. Griffin, Jr., Geologist
July 3, 1964