

INTERVAL SHEET WWCR: 109

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VDMR Well No: 2254

Date rec'd: 10/15/68

Sample Interval: from 10 to 150'

PROP: Mr. McGuire

Number of samples: 12

COMP: J. T. Kesler Drilling Co.

Total Depth: 153'

COUNTY: Franklin (Cross Roads)

Oil or Gas: Water: Exploratory:

| From-To | From-To | From-To | From-To |
|-----------|---------|---------|---------|
| No sample | - | - | - |
| 10 - | - | - | - |
| 40 - | - | - | - |
| 60 - | - | - | - |
| 70 - | - | - | - |
| 80 - | - | - | - |
| 90 - | - | - | - |
| 100 - | - | - | - |
| 110 - | - | - | - |
| 120 - | - | - | - |
| 130 - | - | - | - |
| 140 - | - | - | - |
| 150 - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

all intervals have both washed and unwashed samples

OWNER: Mr. McGuire
DRILLER: J. T. Kesler Drilling Co.
COUNTY: Franklin (Cross Roads)

VDMR: 2254
WWCR: 109
TOTAL DEPTH: 153'

GEOLOGIC LOG

Depth in feet

| | |
|---------|---|
| 10 | Saprolite — tan, weathered and iron-oxide stained; quartz, mica, feldspar and clay |
| 20 & 30 | No samples |
| 40 | Saprolite and biotite gneiss — medium-brown; 75 percent of sample is weathered and iron-oxide-stained quartz, feldspar, mica and clay; 25 percent of sample is medium-gray, moderately-foliated biotite gneiss |
| 50 | No sample |
| 60 | Biotite gneiss and saprolite — brown; 75 percent of sample is moderately-foliated biotite gneiss with feldspar, quartz and biotite; 25 percent of sample is weathered and iron-oxide-stained saprolite with quartz, feldspar and mica |
| 70 | Amphibolitic biotite gneiss — dark-gray, fine-grained, crystalline, moderately-foliated; feldspar, quartz and biotite, with minor amount of amphibole |
| 80 | Mica gneiss — light-gray, fine-grained, crystalline, moderately-foliated; quartz, feldspar, muscovite and biotite |
| 90 | " |
| 100 | " |
| 110 | Amphibolitic biotite gneiss — dark-gray, fine-grained, crystalline, moderately-foliated; feldspar, biotite, quartz, and minor amount of amphibole |
| 120 | Metamorphosed quartzite — medium-gray, fine-grained; quartz, with traces of mica and pyrite |
| 130 | Amphibole gneiss — medium-gray, fine-grained, crystalline; amphibole, quartz, feldspar, and traces of biotite |
| 140 | " |

OWNER: Mr. McGuire

#2254

150 Amphibolite — dark-gray, fine-grained, crystalline;
amphibole, quartz, and trace of feldspar

150-153 No sample

GEOLOGIC SUMMARY

| | <u>Rock Unit</u> | <u>Age</u> |
|----------------------|---------------------|-------------|
| 10-40 ¹ | Saprolite | — |
| 50 ¹ | No sample | — |
| 60-150 ¹ | Lynchburg Formation | Precambrian |
| 150-153 ¹ | No sample | — |

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
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