

INTERVAL SHEET

WWCR 952

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VDMR Well No.: Well No. 1307

Date 5/12/65

Sample Interval: from 50 to 380

PROP: W. P. Oliver  
 COMP: Motel - Well #1  
C. R. Moore

Total depth 380

COUNTY: Albemarle (Proffit)

Oil  Gas  Water  Exploratory

Cuttings  Core  Other

VDMR Well No: W-1307

Washed samples

| From-To | From-To | From-To | From-To | From-To    |
|---------|---------|---------|---------|------------|
| -       | -       | 0       | 50      | No samples |
| -       | -       | 50      | 340     | -          |
| -       | -       | 60      | 350     | -          |
| -       | -       | 70      | 360     | -          |
| -       | -       | 80      | 370     | -          |
| -       | -       | 90      | 380     | -          |
| -       | -       | 100     | -       | -          |
| -       | -       | 110     | -       | -          |
| -       | -       | 120     | -       | -          |
| -       | -       | 130     | -       | -          |
| -       | -       | 140     | -       | -          |
| -       | -       | 150     | -       | -          |
| -       | -       | 160     | -       | -          |
| -       | -       | 170     | -       | -          |
| -       | -       | 180     | -       | -          |
| -       | -       | 190     | -       | -          |
| -       | -       | 200     | -       | -          |
| -       | -       | 210     | -       | -          |
| -       | -       | 220     | -       | -          |
| -       | -       | 230     | -       | -          |
| -       | -       | 240     | -       | -          |
| -       | -       | 250     | -       | -          |
| -       | -       | 260     | -       | -          |
| -       | -       | 270     | -       | -          |
| -       | -       | 280     | -       | -          |
| -       | -       | 290     | -       | -          |
| -       | -       | 300     | -       | -          |
| -       | -       | 310     | -       | -          |
| -       | -       | 315     | -       | -          |
| -       | -       | 320     | -       | -          |
| -       | -       | 330     | -       | -          |

OWNER: W. P. Oliver Motel - Well #1  
DRILLER: C. R. Moore  
COUNTY: Albemarle (Proffit)

VDMR #1307  
WWCR #952  
TOTAL DEPTH: 380'

GEOLOGIC LOG

0-50 No samples.

Lynchburg Formation (50-380')

- 50 Graphitic Mica Schist — medium-gray; fine- to very-fine-grained; muscovite, biotite, quartz, feldspar, pyrrhotite, and finely disseminated graphite; the finer grained material shows corrugated foliation.
- 60 As above — with pyrite.
- 70 As above.
- 80 Gneiss — light-greenish-gray to medium-light-gray; fine- to medium-grained muscovite, biotite, quartz, feldspar pyrite, pyrrhotite, minor flakes of graphite (to 1.0 mm); occasional very coarse sand grain; minor amount of dark schist as above.
- 90 As above — minor calcite with euhedral pyrite.
- 100 Graphitic Mica Schist — medium-gray, very-fine-grained, corrugated foliation; muscovite, biotite, graphite, quartz, feldspar, pyrrhotite, pyrite.
- 110 Calcareous Gneiss — light-greenish-gray; fine- to medium-grained with occasional very-coarse-grained; muscovite, biotite, quartz, calcite, pyrrhotite and pyrite; abundant veins of sparry calcite.
- 120 Gneiss — medium-light-brownish-gray to medium-gray; fine- to medium-grained; quartz, biotite, muscovite, plagioclase; minor pyrrhotite, pyrite, graphite, and calcite, trace apatite.
- 130 As above — occasional granule blue quartz.
- 140 As above.
- 150 As above — very minor vein calcite.
- 160 As above.
- 170 As above.
- 180 As above.

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#1307

- 190 Gneiss and Schist — medium-light-brownish-gray to medium gray; fine- to medium-grained; quartz, biotite, muscovite, plagioclase; minor pyrrhotite, pyrite, graphite, blue quartz granules, and calcite, trace apatite, minor muscovite schist.
- 200 As above — more vein calcite.
- 210 As above — less vein calcite.
- 220 As above.
- 230 As above — slightly fissile.
- 240 Biotite Gneiss — light-gray to medium-dark-gray; medium- to fine-grained; biotite, quartz, muscovite, pyrrhotite, feldspar, calcite throughout and in veins.
- 250 Biotite Gneiss — medium-dark-gray medium-grained with garnet porphyroblasts (to 4.0 mm); biotite, quartz, muscovite, pyrrhotite, calcite; minor hornblende and chlorite.
- 260 Hornblende Biotite Gneiss — dark-gray, medium-grained with garnet (to 9.0 mm) and hornblende (to 10 mm) porphyroblasts common; biotite, quartz, muscovite, chlorite calcite, epidote, pyrrhotite; trace oligoclase and apatite; calcite veins.
- 270 As above — porphyroblasts slightly smaller.
- 280 Biotite Gneiss — medium-dark-gray; medium-grained with garnet porphyroblasts (to 5.0 mm); biotite, quartz, muscovite, pyrrhotite, epidote, calcite, trace hornblende, pyrite, actinolite; minor biotite poor layers, slightly permeable.
- 290 As above — no hornblende observed.
- 300 As above — slightly more garnet.
- 310 As above — (a minor portion contains large hornblende crystals probably contamination).
- 315 As above — abundant calcite veins, (no hornblende bearing material).
- 320 As above.
- 330 As above.
- 340 As above.
- 350 As above — less calcite veining.



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- 360 Biotite Gneiss — medium-dark-gray; medium-grained with garnet porphyroblasts (to 5.0 mm); biotite, quartz, muscovite, pyrrhotite, epidote, calcite, trace pyrite, actinolite; minor biotite poor layers, slightly permeable.
- 370 As above — slightly more calcite.
- 380 Gneiss — light- to medium-dark-gray, quartz, biotite, muscovite, calcite, pyrite, pyrrhotite, garnet; permeable.

GEOLOGIC SUMMARY

| <u>ROCK UNIT</u> | <u>TIME ROCK UNIT</u>                                     |
|------------------|---|
| 0-50             | No samples  |
| 50-380           | Lynchburg Formation                      Late Precambrian |

Note: The porphyroblasts of garnet and hornblende may be mineralization due to a nearby intrusive.

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
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