

INTERVAL SHEET

WWCR 482

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VDMR Well No.: Well No. 1097

Date 7/16/64

Sample Interval: from 3 to 508

PROP: Town of McGaheysville  
Well #1

Total depth 508

COMP: Sydnor

Oil  Gas  Water  Exploratory

COUNTY: Rockingham (McGaheysville) Cuttings  Core  Other

VDMR Well No: W-1097

Washed samples only

| From-To | From-To | From-To     | From-To   | From-To |
|---------|---------|-------------|-----------|---------|
| -       | -       | 0 - 3 *     | 430 - 445 | -       |
| -       | -       | 3 - 17      | 445 - 460 | -       |
| -       | -       | 17 - 28 *   | 460 - 475 | -       |
| -       | -       | 28 - 40     | 475 - 490 | -       |
| -       | -       | 40 - 55     | 490 - 508 | -       |
| -       | -       | 55 - 73     |           | -       |
| -       | -       | 73 -        |           | -       |
| -       | -       | 73 - 115    |           | -       |
| -       | -       | 115 - 130   |           | -       |
| -       | -       | 130 - 145   |           | -       |
| -       | -       | 145 - 155   |           | -       |
| -       | -       | 155 - 160   |           | -       |
| -       | -       | 160 - 175   |           | -       |
| -       | -       | 175 - 190   |           | -       |
| -       | -       | 190 - 205   |           | -       |
| -       | -       | 205 - 220   |           | -       |
| -       | -       | 220 - 235   |           | -       |
| -       | -       | 235 - 250   |           | -       |
| -       | -       | 250 - 265   |           | -       |
| -       | -       | 265 - 280   |           | -       |
| -       | -       | 280 - 282   |           | -       |
| -       | -       | 282 - 295   |           | -       |
| -       | -       | 285 - 300   |           | -       |
| -       | -       | 300 - 315   |           | -       |
| -       | -       | 315 - 330   |           | -       |
| -       | -       | 330 - 345   |           | -       |
| -       | -       | 345 - 360   |           | -       |
| -       | -       | 360 - 370 * |           | -       |
| -       | -       | 370 - 385   |           | -       |
| -       | -       | 385 - 400   |           | -       |
| -       | -       | 400 - 415   |           | -       |
| -       | -       | 415 - 430   |           | -       |

\* No sample

OWNER: McGaheysville Water Co., Inc. - Well #1  
DRILLER: Sydnor Pump & Well Co., Inc.  
COUNTY: Rockingham

VDMR #1097  
WWCR #482  
TOTAL DEPTH: 508'

GEOLOGIC LOG

- 0-3            No sample.
- Beekmantown Formation (3-508')
- 3-17           Dolomite — bluish-black, medium-grained, breaks with rough fracture surface; vein dolomite; minor weathered surfaces.
- 17-28          No sample.
- 28-40          Dolomite — bluish-black, medium-grained, breaks with rough fracture surface; vein dolomite.
- 40-55          As above — but increase of vein dolomite.
- 55-73          As above — minor pyrite.
- 73             Dolomite — bluish-black, medium-grained, breaks with rough fracture surface; vein dolomite; minor pyrite; some black shaly limestone.
- 73-115        As above — but medium-gray, dolomite in color.
- 115-130       As above — but black dolomite rather than gray.
- 130-145       Dolomite — gray, fine- to medium-grained, breaks with rough fracture surface; vein dolomite; minor pyrite.
- 145-155       As above — some weathered surfaces.
- 155-160       As above — no weathered surfaces.
- 160-175       As above.
- 175-190       As above.
- 190-205       Dolomite — bluish-black, fine- to coarse-grained; vein dolomite; dolomite rhombohedrons; minor pyrite.
- 205-220       As above — less vein dolomite.
- 220-235       As above — with black chert.
- 235-250       As above.

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- 250-265 Dolomite — bluish-black, fine- to coarse-grained, vein dolomite; minor pyrite.
- 265-280 As above.
- 280-282 Dolomite — as above; considerable amount of staining; open vugs; clay particles.
- 282-295 As above.
- 285-300 Dolomite — bluish-black, fine-grained, vein dolomite.
- 300-315 As above — but less vein dolomite.
- 315-330 As above.
- 330-345 As above.
- 345-360 Dolomite — bluish-black and gray, fine- to coarse-grained, vein dolomite.
- 360-370 No sample.
- 370-385 Dolomite — bluish-black and gray, fine- to coarse-grained; vein dolomite; minor clay particles; considerable amount of oxide staining.
- 385-400 Dolomite — as above; several pieces of good breccia; fragments are light-gray dolomite, angular; some fragments have been broken, but there was no movement associated with the second break; white dolomite cement.
- 400-415 Dolomite — bluish-black, coarse-grained, vein calcite; black shaly layers.
- 415-430 As above.
- 430-445 As above.
- 445-460 As above — with some clay particles.
- 460-475 As above.
- 475-490 Dolomite — blue, fine- to coarse-grained; vein dolomite.
- 490-508 As above — except gray in color.

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#1097

GEOLOGIC SUMMARY

|       | <u>ROCK UNIT</u>      | <u>TIME ROCK UNIT</u> |
|-------|-----------------------|-----------------------|
| 0-3   | No sample             |                       |
| 3-508 | Beekmantown Formation | Ordovician            |

Virginia Division of Mineral Resources  
Garnett Gatlin, Geologist  
December 7, 1964