

INTERVAL SHEET

WWCR 34

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VDMR Well No.: Well No. 1378

Date 10/4/65

Sample Interval: from 0 to 691

PROP: Camp Garth Newell

Total depth 691

COMP: Sydnor Pump & Well Co.

Oil Gas Water Exploratory

COUNTY: Bath (Hot Springs)

Cuttings Core Other

VDMR Well No: W-1378

Washed Samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 25	616 - 631	-
-	-	25 - 42	631 - 646	-
-	-	42 - 57	646 - 666	-
-	-	57 - 72	666 - 671	-
-	-	72 - 80	671 - 691	-
-	-	80 - 91	-	-
-	-	91 - 106	-	-
-	-	106 - 121	-	-
-	-	121 - 136	-	-
-	-	136 - 151	-	-
-	-	151 - 166	-	-
-	-	166 - 181	-	-
-	-	181 - 196	-	-
-	-	196 - 211	-	-
-	-	211 - 226	-	-
-	-	226 - 331 No sample	-	-
-	-	331 -	-	-
-	-	346 -	-	-
-	-	361 -	-	-
-	-	376 -	-	-
-	-	376 - 481 No sample	-	-
-	-	481 -	-	-
-	-	496 -	-	-
-	-	511 - 521	-	-
-	-	521 - 540	-	-
-	-	540 - 556	-	-
-	-	556 - 571	-	-
-	-	571 - 586	-	-
-	-	586 - 601	-	-
-	-	601 - 616	-	-

OWNER: Girl Scout Camp Garth Newell
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Bath (Hot Springs)

VDMR #1378
WWCR #34
TOTAL DEPTH: 691'

GEOLOGIC LOG

Overburden (0-57')

- 0-25 Residuum — light-orange-brown, clay, sand and small pebbles of orange-brown to red-brown, medium- to fine-grained sandstone, claystone, and siltstone; minor gray-brown shale.
- 25-42 Clay — light-brown; minor silt and fine sand.
- 42-57 Leached Limestone — tan, pale-orange, and red-brown; claystone, siltstone, ferruginous clay concretions, quartz vein fillings and fragments of quartz crystals; almost no carbonate left.

Trenton and Eggleston formations undivided (57-691')

- 57-72 Limestone — medium-light-gray; very-fine-grained, argillaceous; minor leached material as above.
- 72-80 Limestone and Sandstone — medium-gray, very-fine-grained limestone; brown-gray, very-fine-grained, calcareous sandstone with trace of chert; trace of vein calcite.
- 80-91 Limestone — medium-gray, very-fine-grained, argillaceous; minor pale-pink to dark-red-brown, coarse- to fine-grained sandstone, vein-quartz, light-brown leached limestone; a few fragments of light-gray, sparry, fossiliferous limestone.
- 91-106 Limestone — medium-gray, very-fine-grained, argillaceous; minor medium-light-gray, slightly-brownish, coarsely crystallized fossiliferous limestone.
- 106-121 Limestone — medium-gray, very-fine-grained, very argillaceous; trace light-orange iron-oxide stain.
- 121-136 Limestone — medium-light-gray, very-fine-grained, very argillaceous; minor portion leached to cream color.
- 136-151 Limestone — medium-gray, fine-grained, very argillaceous; trace mica and pyrite.
- 151-166 Limestone — medium-gray, very-fine-grained argillaceous; trace fossils and orange-brown stain.
- 166-181 Limestone — medium-gray, very-fine-grained, argillaceous; trace of vein of calcite and pyrite.

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- 181-196 Limestone — medium-gray, very-fine-grained, argillaceous; trace of vein of calcite and pyrite.
- 196-211 Limestone — buff; very-fine-grained soft and argillaceous, with minor patches sparry calcite; medium-brown-gray, coarsely crystalline; light-orange-brown stain.
- 211-226 As above — less coarsely crystalline limestone.
- 226-331 No sample.
- 331 Limestone — medium-light-brown-gray, very-fine-grained, dense, minor vein calcite, trace iron-oxide stain.
- 346 Limestone — medium-light-gray, very-fine-grained to coarsely crystalline; slight iron-oxide stain; trace calcite and quartz veins.
- 361 Limestone — buff to medium-gray, fine-grained, argillaceous; trace vein calcite.
- 376 As above — slightly fossiliferous.
- 376-481 No sample.
- 481 Limestone — light- to dark-gray, fine-grained.
- 496 As above — not as dark, lighter portion argillaceous.
- 511-521 As above.
- 521-540 Limestone — dark-gray, medium-gray, and light-gray; fine-grained; minor vein calcite and trace pyrite; the medium-gray limestone is aphanogranular and translucent; trace iron-oxide stain on fractures.
- 540-556 As above — no iron-oxide stain.
- 556-571 As above.
- 571-586 As above — less light-gray.
- 586-601 As above.
- 601-616 As above — occasional crystal of carbonate in fine-grained matrix.
- 616-631 As above — more light-gray.
- 631-646 As above.

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- 646-666 Limestone -- dark-gray, medium-gray and light-gray; fine-grained with occasional carbonate rhombohedron; minor vein calcite and trace pyrite; the medium-gray limestone is aphanogranular and translucent; minor fossils probably ostracods in light-gray portion.
- 666-671 As above.
- 671-691 As above.

GEOLOGIC SUMMARY

The well penetrates portions of the Trenton and Eggleston formations of upper middle Ordovician age.

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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