

INTERVAL SHEET

WWCR 82

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VDMR Well No: 1583

Date rec'd: May 10, 1966

Sample Interval: from 0 to 220

PROP: Virginia Department of Highways

Number of samples: 26

Interstate 81 Rest Area

COMP: Moseley & Nash

Total Depth: 220'

COUNTY: Botetourt (Troutville)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 2	-	-	-
2 - 5	-	-	-
5 - 10	-	-	-
10 - 15	-	-	-
15 - 20	-	-	-
20 - 25	-	-	-
25 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

OWNER: Virginia Department of Highways
Interstate 81 Rest Area
DRILLER: Moseley & Nash
COUNTY: Botetourt (Troutville)

VDMR 1583
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TOTAL DEPTH: 220'

GEOLOGIC LOG

0 - 2 Overburden — reddish-brown sandy clay

2 - 5 Overburden — reddish-brown sandy shale and clay

5 - 10 " with gray to dark gray limestone and dolomite

10 - 15 Overburden — reddish-brown sandy shale and clay with gray to dark gray limestone and dolomite and vuggy, porous calcirudite

15 - 20 "

20 - 25 Limestone — gray to dark gray; finely crystalline and argillaceous calcite crystals and veins

25 - 30 Limestone — gray to reddish gray; finely crystalline, silty, argillaceous, few thin calcite veins

30 - 40 " with weathered zone and some clay

40 - 50 Conglomerate — gray-brown with pink; sandstone and shale fragments with clay pellets and limestone chips; poorly sorted (Note: this may be a tectonic breccia)

50 - 60 "

60 - 70 " with traces of black chert

70 - 80 Conglomerate — gray-brown with pink; sandstone and shale fragments with clay pellets and limestone chips; poorly sorted (Note: this may be a tectonic breccia); with few vugular calcite veins

80 - 90 Conglomerate — gray-brown with pink; sandstone, shale, and calcarenite fragments with clay pellets and limestone chips; poorly sorted

90 - 100 Conglomerate — gray-green to red shale fragments with some gray-brown sandstone; clay pellets and limestone chips; poorly sorted

- 100 - 110 Conglomerate — gray-brown with pink; sandstone and shale fragments with clay pellets, gray to dark-gray limestone and calcite veins
- 110 - 120 " with vugular calcite veins, no gray limestone
- 120 - 130 Limestone — gray; finely crystalline, calcite veins and vugular crusts of calcite crystals, few voids, iron staining; some lighter-gray limestone chips and black chert
- 130 - 140 "
- 140 - 150 "
- 150 - 160 " some fractures with calcite crystals and voids
- 160 - 170 " " and iron stains
- 170 - 180 Limestone — gray; finely crystalline, calcite veins and vugular crusts of calcite crystals, few voids, iron staining; some lighter-gray limestone chips and black chert; some fractures with calcite crystals and voids; silty
- 180 - 190 Limestone — tan, reddish-brown and pink; finely crystalline to granular, sandy, silty, argillaceous, calcite crystals, iron stains, vugs; some calcareous clay
- 190 - 200 "
- 200 - 210 Limestone — gray to dark-gray; finely crystalline, calcirudite, considerable calcite, some vugs and voids, crusts of iron-stained calcite crystals, white chert
- 210 - 220 "

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Rome Formation

Cambrian

Virginia Division of Mineral Resources
Warren J. Souder, Geologist
August 1966