

INTERVAL SHEET

WWCR 161

Page 1

VDMR Well No.: Well No. 1395

Date 10/25/65

Sample Interval: from 0 to 350

PROP: Town of Ridgeway #6

Total depth 350

COMP: Carolina-Va. Well Co.

Oil Gas Water Exploratory

COUNTY: Henry (Ridgeway)

Cuttings Core Other

VDMR Well No: W-1395

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	300 - 310	-
-	-	10 - 20	310 - 320	-
-	-	20 - 30	320 - 330	-
-	-	30 - 40	330 - 340	-
-	-	40 - 50	340 - 350	-
-	-	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	-	-
-	-	220 - 230	-	-
-	-	230 - 240	-	-
-	-	240 - 250	-	-
-	-	250 - 260	-	-
-	-	260 - 270	-	-
-	-	270 - 280	-	-
-	-	280 - 290	-	-
-	-	290 - 300	-	-

OWNER: Town of Ridgeway - Well #6
DRILLER: Carolina-Virginia Well Co., Inc.
COUNTY: Henry (Ridgeway)

VDMR #1395
WWCR #161
TOTAL DEPTH: 350'

GEOLOGIC LOG

- 0-10 Mica Schist — pale-brown, shiny, coarse-grained, foliated; muscovite, oligoclase-andesine, biotite, potash-feldspar, quartz, epidote, minor apatite and magnetite.
- 10-20 As above.
- 20-30 As above.
- 30-40 As above.
- 40-50 As above — with vein quartz.
- 50-60 Gneiss — medium-light-gray, salt and pepper; average grain-size 0.5 to 1.0 mm; plagioclase and potash-feldspar, quartz, biotite, muscovite, minor epidote, and magnetite; minor weathering along fractures.
- 60-70 As above — no weathered portion; trace fine-grained chlorite layer and very-coarse-grained pink potash-feldspar.
- 70-80 As above — no chlorite or pink feldspar.
- 80-90 As above.
- 90-100 Gneiss — very-light-gray to medium-dark-gray, banded, average grain size .05 to 1.0 mm; plagioclase, quartz, biotite, potash feldspar; minor epidote, and magnetite.
- 100-110 As above.
- 110-120 As above — slightly more epidote.
- 120-130 As above — less epidote.
- 130-140 As above — minor vein quartz.
- 140-150 As above — minor light-brown, weathering along fractures, trace pyrite.
- 150-160 As above — euhedral epidote in quartz vein.
- 160-170 As above — only trace of weathered material.
- 170-180 As above — no vein quartz.

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#1395

- 180-190 Gneiss — medium-gray, salt and pepper coarse-grained; plagioclase, biotite, quartz, potash-feldspar, epidote, minor magnetite, trace epidote.
- 190-200 As above — slightly darker, more biotite.
- 200-210 As above — more epidote, minor chlorite and pink potash-feldspar, vein quartz.
- 210-220 As above — minor calcite, minor weathering stain.
- 220-230 As above — no pink potash or calcite, less epidote and less weathering stain.
- 230-240 As above — more weathering stain.
- 240-250 As above — less weathering, trace garnet in quartz vein.
- 250-260 Gneiss — light-gray to dark-gray, salt and pepper, banded; average-grain-size 0.5 to 1.0 mm; plagioclase, biotite, muscovite, quartz, pink potash-feldspar, epidote, traces of chlorite, and magnetite.
- 260-270 As above — minor quartz vein.
- 270-280 Gneiss — medium salt and pepper gray, coarse-grained; plagioclase, biotite, muscovite, quartz, epidote, potash feldspar, minor magnetite.
- 280-290 As above — minor weathering stain.
- 290-300 Gneiss and Muscovite Schist — gneiss as above; muscovite schist: medium-gray, shiny, foliated; muscovite, feldspar, biotite, quartz, epidote, minor veins of calcite and of epidote and quartz.
- 300-310 Vein Quartz with Gneiss and Schist — 30% of sample is transparent light-gray quartz; 40% gneiss and 20% schist as above.
- 310-320 As above — more gneiss, less quartz, minor weathered fragments.
- 320-330 Gneiss — medium-gray, salt and pepper, coarse-grained, schistose in part; feldspar, biotite, muscovite, quartz, epidote, magnetite; minor veins of quartz and calcite, trace pink potash-feldspar.
- 330-340 As above — trace weathering stain, minor epidote in quartz vein.
- 340-350 As above — more epidote in gneiss.

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#1395

GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

Mica Schist and Gneiss

Precambrian

Small veins of quartz are found from 130 feet down with a large vein at 300-310 feet. Much of the epidote and pink potash-feldspar are associated with the veins.

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 28, 1965