INTERVAL SHEET

WWCR 162

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Date 10/26/65

PROP: Town of Ridgeway #7

COMP: Carolina-Va. Well Co.

COUNTY: Henry (Ridgeway)

VDMR Well No: W-1396

VDMR Well No.: Well No. 1396

Sample Interval: from 0 to 420

Total depth 420

Oil ___ Gas ___ Water X Exploratory ___

Cuttings X Core ___ Other ___

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	310 - 320	-
-	-	10 - 20	320 - 330	-
-	-	20 - 30	330 - 340	-
-	-	30 - 40	340 - 350	-
-	-	40 - 50	350 - 360	-
-	-	50 - 60	360 - 370	-
-	-	60 - 70	370 - 380	-
-	-	70 - 80	380 - 390	-
-	-	80 - 90	390 - 400	-
-	-	90 - 100	400 - 410	-
-	-	100 - 110	410 - 420	-
-	-	110 - 120	-	-
-	-	120 - 130	-	-
-	-	130 - 140	-	-
-	-	140 - 150	-	-
-	-	150 - 160	-	-
-	-	160 - 170	-	-
-	-	170 - 180	-	-
-	-	180 - 190	-	-
-	-	190 - 200	-	-
-	-	200 - 210	-	-
-	-	210 - 220	-	-
-	-	220 - 240	-	-
-	-	240 - 250	-	-
-	-	250 - 260	-	-
-	-	260 - 270	-	-
-	-	270 - 280	-	-
-	-	280 - 290	-	-
-	-	290 - 300	-	-
-	-	300 - 310	-	-

OWNER: Town of Ridgeway - Well #7 VDMR #1396
DRILLER: Carolina-Virginia Well Co., Inc. WWCR #162
COUNTY: Henry (Ridgeway) TOTAL DEPTH: 420'

GEOLOGIC LOG

0-10	Saprolitic Mica Schist and Vein Quartz — schist: light-brown, shiny, foliated, coarse-grained; muscovite, feldspar, quartz, biotite, clay; colorless to white, massive vein quartz.
10-20	Saprolitic Mica Schist — light-brown, shiny, foliated, coarse-grained; muscovite, biotite, quartz, feldspar, epidote, minor magnetite-ilmenite; minor fragments of extremely coarse-grained perthite and quartz.
20-30	As above — abundant vein quartz, less coarsely crystallized feldspar.
30-40	As above — less vein quartz.
40-50	As above — more vein quartz.
50-60	As above — less vein quartz.
60-70	Gneiss — medium-gray, salt and pepper, shiny, slightly foliated, average grain-size 0.5 to 1.0 mm; muscovite, biotite, microcline, albite, quartz, epidote, minor apatite, zircon, garnet, and magnetite; very slightly weathered.
70-80	As above.
80-90	As above — less weathering, minor band or vein of quartz and pink potash feldspar at least 15 mm wide.
90-100	As above.
100-110	As above — less vein material.
110-120	As above — orange-brown weathering stain on a small portion of the sample.
120-130	Gneiss — medium-grained, salt and pepper, average grain-size 0.5 mm; plagioclase, quartz, biotite, muscovite; minor potash-feldspar, epidote and magnetite; abundant vein-quartz, tiny vein of calcite and epidote with pink potash-feldspar in nearby wall rock.
130-140	As above — minor pink potash-feldspar in quartz vein.
140-150	As above — no pink potash-feldspar or epidote-calcite veins.
150-160	As above — zones of epidote enrichment in wall rock.

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160-170 Gneiss — medium-gray, white and dark-gray, banded, slightly foliated, average-grain-size; 0.5 to 1.0 mm; plagioclase, biotite, quartz, muscovite; minor potash-feldspar, epidote and magnetite; a portion of this sample is extremely-coarsely-crystallized; the biotite rich areas are well foliated, the plagioclase crystals are larger than the size of the cutting fragments and are transparent, the quartz is massive vein type, the muscovite is yellow-green and euhedral and the potash feldspar is very faintly pink. This coarse material is probably a vein.

170-180 As above — less extremely-coarse-grained material; one fragment of pink potash-feldspar with minor fluorite.

180-190 As above — more vein type feldspar and quartz; potash feldspar is nearly white, no fluorite.

190-200 As above.

200-210 As above — with pink potash-feldspar.

210-220 As above — the pink color is very pale.

220-240 As above — one large fragment from this level showed that the coarse-grained material is a replacement vein across the foliation of the gneiss.

240-250 As above — abundant coarse-grained potash feldspar, mostly pink.

250-260 As above — less pink color, trace garnet in vein.

260-270 Feldspar Vein — pale-pink, pale-green, white, extremely coarse-grained; potash-feldspar, muscovite, albite and quartz; 30% is medium-gray-green gneiss.

270-280 Gneiss — medium-gray, salt and pepper, slightly-foliated, average-grain-size 1 mm; plagioclase, biotite, quartz, muscovite, minor magnetite and epidote; trace of vein type material which may be contamination.

280-290 As above — slightly more epidote.

290-300 As above — minor amount very-coarse-grained biotite schist, and vein feldspar, one fragment dull greenish-gray, fine-grained cataclastic gneiss.

300-310 As above.

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310-320 Gneiss — medium-gray, slightly-greenish, grain-size 0.5 to 2.0 mm, banded and foliated; biotite, muscovite, plagioclase, quartz, potash-feldspar; minor epidote and magnetite; minor cleavage fragments of potash feldspar to 6 mm.

320-330 Gneiss — light-gray to dark-greenish-gray, banded, slightly foliated, grain size 0.5 to 16 mm; muscovite, plagioclase, biotite, epidote, quartz, hornblende, potash feldspar, minor magnetite, and garnet.

330-340 As above — no garnet.

340-350 As above.

350-360 As above — less hornblende.

360-370 As above — no hornblende less biotite.

370-380 As above.

380-390 Mica Schist — light-gray, shiny, well-foliated, very-coarse-grained; muscovite, plagioclase, quartz, biotite; minor garnet epidote, ilmenite-magnetite; trace zircon; minor gneiss as above and few fragments, epidote and rich dark-gray-green amphibolite.

390-400 Mica Schist — light-greenish-gray, shiny, very-coarse-grained, well-foliated; muscovite, epidote, plagioclase, quartz, biotite, magnetite, and garnet.

400-410 Gneiss — medium-greenish-gray, grain size 0.5 to 1 mm; plagioclase, epidote, biotite, muscovite, quartz, very coarsely crystallized potash feldspar; minor mica schist as above.

410-420 As above — with minor dark-greenish-gray, biotite-epidote-hornblende gneiss.

GEOLOGIC SUMMARY

ROCK UNIT	TIME ROCK UNIT
Mica Gneiss and Schist	Precambrain ?
Veins of Quartz and Potash Feldspar throughout	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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