

INTERVAL SHEET

WWCR 939

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VDMR Well No.: Well No. 1203

Date 1-4-65

Sample Interval: from 30 to 350

PROP: Crown Const. Co.
Well #1

Total depth 350

COMP: C. R. Moore

Oil Gas Water Exploratory

COUNTY: Albemarle (Charlottesville)

Cuttings Core Other

VDMR Well No: W-1203

From-To	From-To	From-To	From-To	From-To
-	0 -	30 -	No sample -	No washed samples -
-	30 -	-	320 -	-
-	40 -	-	330 -	-
-	50 -	-	340 -	-
-	60 -	-	350 -	-
-	70 -	-	-	-
-	80 -	-	-	-
-	90 -	-	-	-
-	100 -	-	-	-
-	110 -	-	-	-
-	120 -	-	-	-
-	130 -	-	-	-
-	140 -	-	-	-
-	150 -	-	-	-
-	160 -	-	-	-
-	170 -	-	-	-
-	180 -	-	-	-
-	190 -	-	-	-
-	200 -	-	-	-
-	210 -	-	-	-
-	220 -	-	-	-
-	230 -	-	-	-
-	240 -	-	-	-
-	250 -	-	-	-
-	260 -	-	-	-
-	270 -	-	-	-
-	280 -	-	-	-
-	290 -	-	-	-
-	300 -	-	-	-
-	310 -	-	-	-

OWNER: Crown Construction Company - Well #1
DRILLER: C. R. Moore
COUNTY: Albemarle (Charlottesville)

VDMR #1203
WWCR #939
TOTAL DEPTH: 350'

GEOLOGIC LOG

0-30 No samples.

Rockfish Conglomerate (30-350')

- 30 Metamorphosed Conglomerate — gray to brown, abundant pebbles (up to 10 mm) in matrix of very-coarse-grained sand; foliated texture; clear to smoky quartz predominant, subordinate gray to white microcline and greenish muscovite, small amounts of biotite, magnetite, green hornblende, sphene, colorless zircon, and greenish-blue zircon; small amount fine-grained carbonaceous matter; iron oxide staining, common; quartz and feldspar are crushed and strained and exhibit strongly undulose extinction; micas and hornblende are highly contorted, wrapped around boundaries of quartz and feldspar, and define the foliation of the rock; very few grains have rounded borders.
- 40 As above.
- 50 As above.
- 60 As above.
- 70 As above.
- 80 As above.
- 90 As above.
- 100 As above.
- 110 As above.
- 120 As above.
- 130 As above.
- 140 As above.
- 150 Metamorphosed Conglomerate — gray; abundant pebbles (up to 10 mm) in matrix of very-coarse-grained sand; foliated texture; clear to smoky quartz predominant; subordinate gray to white microcline and greenish muscovite; small amounts of magnetite and traces of biotite, green hornblende and sphene; quartz in crushed and strained and exhibits strongly undulose extinction; feldspar occurs as coarse anhedral grains poikilitically

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- 150 enclosing rounded quartz grains with relatively straight extinction (re-crystallization of feldspar is indicated); micas occur in highly contorted lenses, wrapped around the quartz and feldspar, and define the foliation; most of magnetite occurs as trains of blebs and granules along with abundant fine granular sphene within the mica lenses.
- 160 As above.
- 170 As above.
- 180 As above.
- 190 As above.
- 200 As above.
- 210 As above.
- 220 Metamorphosed Conglomerate — gray; abundant pebbles (up to 10 mm) in matrix of very-coarse-grained sand; foliated texture; clear to smoky quartz predominant; abundant green muscovite and some gray to white microcline (both are subordinate, by far, to quartz); anhedral magnetite relatively abundant; small amounts of biotite, sphene; traces of hematite (as fine-grained inclusions in quartz) green hornblende, and pyrite; quartz is crushed and strained, and exhibits strongly undulose extinction; feldspar occurs as coarse anhedral grains (coarse sand and pebbles) that in many places lie athwart the foliation (recrystallization of feldspar is indicated); green muscovite occurs in highly contorted lenses and lamina and defines the foliation; most of the magnetite, sphene, and biotite occur within these micaceous lamina, but some occurs as inclusions in the quartz grains.
- 230 As above.
- 240 As above.
- 250 As above.
- 260 As above.
- 270 As above.
- 280 As above.
- 290 As above.

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- 300 Metamorphosed Conglomerate — gray; abundant pebbles (up to 10 mm) in matrix of very-coarse-grained sand; foliated texture; clear to smoky quartz predominant; abundant green muscovite and some gray to white microcline (both are subordinate, by far, to quartz); anhedral magnetite relatively abundant; small amounts of biotite, sphene; traces of hematite (as fine-grained inclusions in quartz) green hornblende, and pyrite; quartz is crushed and strained, and exhibits strongly undulose extinction; feldspar occurs as coarse anhedral grains (coarse sand and pebbles) that in many places lie athwart the foliation (recrystallization of feldspar is indicated); green muscovite occurs in highly contorted lenses and lamina and defines the foliation; most of the magnetite, sphene, and biotite occur within these micaceous lamina, but some occur as inclusions in the quartz grains.
- 310 As above.
- 320 As above.
- 330 As above.
- 340 As above.
- 350 As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-30	No samples	
30-350	Rockfish Conglomerate	Precambrian

Virginia Division of Mineral Resources
 Robert H. Teifke, Geologist
 January 11, 1965