

INTERVAL SHEET

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VDMR Well No: 1747

Date rec'd: 11/16/66

Sample Interval: from 0' to: 390'

PROP: J. L. Cromwell #3

Number of samples: 27

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 385'

COUNTY: Loudoun (Purcellville)

Oil or Gas: Water: ^X Exploratory:

From-To	From-To	From-To	From-To
0 - 15	-	-	-
15 - 25*	-	-	-
25 - 35*	-	-	-
35 - 50*	-	-	-
50 - 60*	-	-	-
60 - 75*	-	-	-
75 - 90	-	-	-
90 - 105*	-	-	-
105 - 120	-	-	-
120 - 135	-	-	-
135 - 150	-	-	-
150 - 165	-	-	-
165 - 180	-	-	-
180 - 195*	-	-	-
195 - 210	-	-	-
210 - 225	-	-	-
225 - 240*	-	-	-
240 - 255	-	-	-
255 - 270*	-	-	-
270 - 285	-	-	-
285 - 300	-	-	-
300 - 315	-	-	-
315 - 330	-	-	-
330 - 345	-	-	-
345 - 360	-	-	-
360 - 375	-	-	-
375 - 385	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

*Unwashed samples only

OWNER: J. Lynn Cornwell, Inc., Well #3
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Loudoun (Purcellville)

VDMR: 1747
WWCR: 600
TOTAL DEPTH: 385'

GEOLOGIC LOG

Depth in feet

0-15	Saprolitic Greenstone - red-brown; strong iron-oxide staining; clay, fragments of greenstone, vein quartz and trace of pyrite
15-25	Schist - grayish-tan and brown; microcrystalline to cryptocrystalline, poorly foliated; feldspar, quartz, chlorite, actinolite, biotite, sericite, pyrite, and vein quartz; some iron-oxide staining
25-35	" gray, no iron-oxide staining
35-50	" "
50-60	" light-gray; slickensides, sheared; more vein quartz, quartz and feldspar, less chlorite, biotite, sericite and actinolite; no iron-oxide staining
60-75	Gneissic Schist - gray; microcrystalline to cryptocrystalline; foliated; quartz, feldspar, biotite, chlorite; minor sericite, pyrite, actinolite and vein quartz
75-90	"
90-105	" more biotite and actinolite
105-120	" "
120-135	" more vein quartz and actinolite; a few fragments of pink feldspar
135-150	"
150-165	"
165-180	Gneissic Schist - gray; macrocrystalline to microcrystalline, phyllitic; quartz, actinolite, feldspar, biotite, chlorite, pyrite and vein quartz; minor blue quartz and pink feldspar

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180-195	Gneissic Schist - gray; macrocrystalline to microcrystalline, phyllitic; quartz, actinolite, feldspar, biotite, chlorite, pyrite and vein quartz; minor blue quartz and pink feldspar
195-210	"
210-225	" more quartz and feldspar, less chlorite; lesser degree of schistosity
225-240	" "
240-255	Gneiss - gray; fine-grained, some fragments slightly schistose, foliated; quartz, feldspar, amphiboles, biotite, chlorite, pyrite and trace of calcite
255-270	"
270-285	"
285-300	"
300-315	" less amphiboles and biotite
315-330	" " more chlorite
330-345	" " "
345-360	" " "
360-375	" " "
375-385	" " "

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Marshall Formation (?)	Precambrian

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
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