

INTERVAL SHEET

WWCR 630

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VDMR Well No.: Well No. 883

Date 9/13/63

Sample Interval: from 0 to 395

PROP: Maderia School

Total depth 500

COMP: Sydnor

Oil Gas Water Exploratory

COUNTY: Fairfax (Greenway)

Cuttings Core Other

VDMR Well No: W-883

From-To	From-To	From-To	From-To	From-To
-	0 - 10	315 - 325	-	-
-	10 - 20	325 - 335	-	-
-	20 - 30	335 - 345	-	-
-	30 - 40	345 - 375 No sample	-	-
-	40 - 50	375 - 385	-	-
-	50 - 60	385 - 395	Insufficient quantity of material to wash	
-	60 - 70	395 - 500 No sample	-	-
-	70 - 80	-	-	-
-	80 - 90	-	-	-
-	90 - 100	-	-	-
-	100 - 115	-	-	-
-	115 - 130	-	-	-
-	130 - 145	-	-	-
-	145 - 160	-	-	-
-	160 - 175	-	-	-
-	175 - 190	-	-	-
-	190 - 200	-	-	-
-	200 - 215	-	-	-
-	215 - 230	-	-	-
-	230 - 245	-	-	-
-	245 - 250	-	-	-
-	250 - 255	-	-	-
-	255 - 260	-	-	-
-	260 - 265	-	-	-
-	265 - 270	-	-	-
-	270 - 275	-	-	-
-	275 - 285	-	-	-
-	285 - 295	-	-	-
-	295 - 305	-	-	-
-	305 - 315	-	-	-

OWNER: Madeira School Well No. 4
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Fairfax

VDMR #883
WWCR #630
TOTAL DEPTH: 500'

GEOLOGIC LOG

Overburden (0-30')

0-10 Overburden — cream-white, medium- to fine-grained, quartz, sericite, feldspar and clay (powdered).

10-20 As above.

20-30 Overburden — tan, medium- to fine-grained, sericite, quartz, feldspar, and clay (powdered).

Granite Gneiss (30-395')

30-40 Granite — cream-white, medium- to fine-grained, quartz, sericite, feldspar and clay (powdered). (X-ray analysis: Quartz 30%, potassic feldspar 10%, plagioclase 5%, kaolin 15%, biotite 30%, muscovite 10%).

40-50 As above.

50-60 As above.

60-70 As above.

70-80 As above.

80-90 Granite — gray, medium- to fine-grained, quartz, feldspar, sericite, biotite.

90-100 As above.

100-115 Schist — light-olive-gray, medium- to fine-grained, quartz, muscovite, biotite, and some feldspar (powdered).

115-130 As above.

130-145 Schist — greenish-gray, medium to coarse, quartz, biotite, muscovite, feldspar, schist is creulated, (X-ray analysis: Quartz 35%, plagioclase 25%, biotite 20%, muscovite 10%).

145-160 As above.

160-175 As above.

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- 175-190 Gneiss — gray, medium- to coarse-grained, quartz, biotite, feldspar, and minor sericite.
- 190-200 As above.
- 200-215 Schist — gray, medium-grained, biotite, chloritized, biotite, muscovite, quartz and feldspar.
- 215-230 As above.
- 230-245 Gneiss — gray, medium-grained, biotite, sericite, quartz, and feldspar.
- 245-250 Schist — grayish-white, medium-grained, quartz, muscovite, feldspar, minor chlorite.
- 250-255 Schist — gray, medium-grained, biotite, quartz, feldspar, muscovite.
- 255-260 As above.
- 260-265 As above.
- 265-270 Gneiss — green, fine-grained, green amphibole, quartz and feldspar, chlorite, (X-ray analysis: Amphibole 60%, plagioclase 10%, quartz 20%, chlorite 10%).
- 270-275 Schist — grayish-white, medium-grained, quartz, muscovite, feldspar, minor chlorite and biotite.
- 275-285 Schist — gray, medium-grained, biotite, muscovite, quartz, feldspar.
- 285-295 Gneiss — gray, medium-grained, quartz, biotite, muscovite, feldspar, (X-ray analysis: Quartz 30%, plagioclase 25%, biotite 25%, muscovite 10%, potassic feldspar 10%).
- 295-305 As above.
- 305-315 As above.
- 315-325 As above.
- 325-335 As above.
- 335-345 As above.

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345-375 No sample.

375-385 Gneiss — gray, medium-grained, biotite, sericite, quartz,
and feldspar.

385-395 As above.

395-500 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-30	Overburden	Quaternary ?
30-395	Granite Gneiss	Precambrian ?
395-500	No sample	

Virginia Division of Mineral Resources
Villard S. Griffin, Jr. , Geologist
July 16, 1964