

INTERVAL SHEET

WWCR 113

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VDMR Well No.: Well No. 910

Date 10/28/63

Sample Interval: from 0 to 320

PROP: Buckingham County School Board (Gold Hill #1)

Total depth 320

COMP: Falwell

Oil Gas Water Exploratory

COUNTY: Buckingham

Cuttings Core Other

VDMR Well No: W-910

From-To	From-To	From-To	From-To	From-To
-	0 - 10	300 - 310	-	-
-	10 - 20	310 - 320	-	-
-	20 - 30	-	-	-
-	30 - 40	-	-	-
-	40 - 50	-	-	-
-	50 - 60	-	Insufficient quantity of material to wash.	
-	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: Buckingham Co. School Bd. (Gold Hill #1)
DRILLER: Falwell Well Corporation
COUNTY: Buckingham

VDMR #910
WWCR 113
TOTAL DEPTH: 320'

GEOLOGIC LOG

Overburden (0-10')

0-10 Overburden — light reddish brown, fine grained; clay, sericite, quartz.

Saprolite (10-80')

10-20 Saprolite — light orange-brown, fine grained; sericite, clay, quartz.

20-30 Saprolite — light olive-brown, fine grained; sericite, clay, quartz.

30-40 As above.

40-50 As above.

50-60 As above.

60-70 Saprolite — light yellowish brown, fine grained; sericite, clay, quartz.

70-80 As above.

Arvonian Formation (80-320')

80-90 Schist — greenish gray, fine to medium grained; quartz, chlorite, feldspar, biotite, trace of sulfides.

90-100 As above.

100-110 As above (increasing quartz content).

110-120 Slate - gray, fine to medium grained; quartz, feldspar, sericite, trace of graphite pigment.

120-130 Schist - greenish-gray, fine to medium grained; quartz, chlorite, feldspar, biotite.

130-140 As above.

140-150 Slate — gray, fine to medium grained; quartz, feldspar, sericite, trace of graphite pigment.

OWNER: Buckingham Co. School Bd. (Gold Hill #1)

#910

- 150-160 Slate — gray, fine to medium grained; quartz, feldspar, sericite, trace of graphite pigment. (X-ray analysis: Quartz 25%, plagioclase 20%, muscovite 20%, chlorite 20%, biotite 15%).
- 160-170 As above.
- 170-180 Slate — dark gray, fine to medium grained; quartz, biotite, sericite, feldspar.
- 180-190 Slate — gray, fine to medium grained; quartz, feldspar, sericite, trace of graphite pigment.
- 190-200 As above.
- 200-210 As above.
- 210-220 As above.
- 220-230 As above.
- 230-240 As above.
- 240-250 As above.
- 250-260 Slate — gray, fine to medium grained; quartz, feldspar, sericite, trace of graphite pigment (by grain-mount examination).
- 260-270 As above.
- 270-280 As above.
- 280-290 As above (with minor vein quartz).
- 290-300 As above.
- 300-310 As above.
- 310-320 As above (increasing vein quartz).

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-10	Overburden	Recent
10-80	Saprolite	Ordovician
80-320	Arvonnia Formation	Ordovician

Virginia Division of Mineral Resources
Villard S. Griffin, Jr., Geologist
July 29, 1964