

INTERVAL SHEET WWCR: 137

Page 1 of 1

VDMR Well No: 2243

Date rec'd: 9/19/68

Sample Interval: from 0 to: 450'

PROP: Fauquier County Public Schools
(P. B. Smith Elementary School)

Number of samples: 45

COMP: Leazer Pump & Well Co.

Total Depth: 450'

COUNTY: Fauquier (Warrenton)

Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
20 - 30	320 - 330	-	-
30 - 40	330 - 340	-	-
40 - 50	340 - 350	-	-
50 - 60	350 - 360	-	-
60 - 70	360 - 370	-	-
70 - 80	370 - 380	-	-
80 - 90	380 - 390	-	-
90 - 100	390 - 400	-	-
100 - 110	400 - 410	-	-
110 - 120	410 - 420	-	-
120 - 130	420 - 430	-	-
130 - 140	430 - 440	-	-
140 - 150	440 - 450	-	-
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	-	-	-

All intervals have both washed and unwashed samples

OWNER: Fauquier County Public Schools
(P. B. Smith Elem. School)
DRILLER: Leazer Pump & Well Co., Inc.
COUNTY: Fauquier (Warrenton)

VDMR: 2243
WWCR: 137
TOTAL DEPTH: 450'

GEOLOGIC LOG

Depth in
feet

0-10	Saprolite — light reddish-brown clay with vein quartz and weathered mica schist; trace of manganese nodules
10-20	" minor amount of unweathered mica schist or phyllite
20-30	Phyllite — silver-gray, weathered- to reddish-brown; quartz, sericite, and minor amount of magnetite
30-40	"
40-50	"
50-60	Phyllite — medium to -dark gray, partially weathered, slightly calcareous; some dark-gray, very-calcareous schist
60-70	Calcareous biotite schist — dark gray, very fine-grained, with biotite and minor amount of pyrite; weathered, vuggy vein quartz and sericite phyllite
70-80	Biotite schist — light-to dark-gray, very calcareous; minor amounts of pyrite and magnetite; weathered vein quartz and sericite phyllite
80-90	" with weathered, calcareous sandstone and minor amounts of dark-gray and white marble
90-100	"
100-110	"
110-120	Quartz-biotite schist — light gray, very calcareous; some vein calcite
120-130	"
130-140	" some muscovite-sericite phyllite, and trace of pyrite

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140-150	Quartz-biotite schist — light gray, very calcareous; some light greenish-gray sericite phyllite
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	Quartz-biotite schist — light gray, phyllitic, garnetiferous, calcareous; some pyrite
280-290	" only slightly calcareous
290-300	" "
300-310	"
310-320	"
320-330	"
330-340	"
340-350	" some very calcareous schist
350-360	"
360-370	"
370-380	" some very calcareous schist

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380-390 Quartz-biotite schist — light gray, phyllitic, garnetiferous,
calcareous; some pyrite

390-400 "

400-410 "

410-420 "

420-430 "

430-440 "

440-450 Hornblende schist — black, well-foliated amphibole
with minor amount of quartz; some calcareous
biotite schist

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-20'	Saprolite	—
20-450'	Swift Run Formation	Precambrian

Virginia Division of Mineral Resources
Thomas M. Gathright, Geologist
September 24, 1968