

INTERVAL SHEET

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 Date 4/22/63

PROP: Garrisonville Estates (A. H. Graves)
 COMP: Leazer Pump & Well
 COUNTY: Stafford (Garrisonville)

VDMR WELL NO.: 813 WWCR # 43
 Sample Interval: from 0 to 550
 Total Depth _____
 Oil _____ Gas _____ Water X Exploratory _____
 Cuttings X Core _____ Other _____

From-To	From-To	From-To	From-To	From-To
-	0 - 10	300 - 310	Insufficient quantity	-
-	10 - 20	310 - 320	of material to wash	-
-	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	450 - 460	-	-
-	160 - 170	460 - 470	-	-
-	170 - 180	470 - 480	-	-
-	180 - 190	480 - 490	-	-
-	190 - 200	490 - 500	-	-
-	200 - 210	500 - 510	-	-
-	210 - 220	510 - 520	-	-
-	220 - 230	520 - 530	-	-
-	230 - 240	530 - 540	-	-
-	240 - 250	540 - 550	-	-
-	250 - 260	-	-	-
-	260 - 270	-	-	-
-	270 - 280	-	-	-
-	280 - 290	-	-	-
-	290 - 300	-	-	-

OWNER: A. H. Graves (Garrisonville Estates)
DRILLER: Leazer Pump & Well Co.
COUNTY: Stafford (Garrisonville)

VDMR # 813
WWCR # 43
TOTAL DEPTH : 551 feet

GEOLOGIC LOG

0-10	Overburden - weathered quartz fragments, clay, and silt
10-20	Overburden - white fine sand grains, traces of gray to green phyllite
20-30	Overburden - weathered yellow quartz fragments, clay and silt
30-40	As above
40-50	As above
50-60	Amphibolite - gray, considerable hornblende and quartz, traces of feldspar (top of bedrock in this interval)
60-70	Amphibolite - gray, hornblende, quartz, traces of feldspar, pyrite, and clay
70-80	As above
80-90	As above
90-100	Amphibolite - gray, hornblende, quartz, traces of calcite and pyrite
100-110	As above
110-120	As above
120-130	As above
130-140	Amphibolite - dark gray, hornblende, quartz, traces of pyrite, magnetite, calcite, and epidote
140-150	As above
150-160	As above
160-170	Amphibolite - dark gray, considerable quartz and hornblende, traces of calcite, pyrite, and epidote
170-180	As above
180-190	Amphibolite - dark gray, hornblende, quartz, calcite, traces of pyrite, epidote, magnetite, and biotite
190-200	As above
200-210	As above

210-220	As above
220-230	As above
230-240	As above
240-250	Amphibolite - dark gray, hornblende, quartz, calcite, traces of biotite and pyrite
250-260	As above
260-270	Amphibolite - dark gray, hornblende, quartz, and trace of pyrite
270-280	As above
280-290	As above
290-300	As above
300-310	As above
310-320	As above
320-330	Amphibolite - gray, considerable hornblende, quartz, traces of pyrite, magnetite, and epidote
330-340	As above
340-350	Amphibolite - light gray, considerable quartz and hornblende, trace of pyrite
350-360	Amphibolite - gray, hornblende, quartz, traces of pyrite, magnetite, calcite, and chlorite
360-370	As above
370-380	As above
380-390	As above
390-400	As above
400-410	As above
410-420	Amphibolite - dark gray, hornblende, quartz, calcite, traces of pyrite, magnetite, epidote, and chlorite
420-430	As above
430-440	As above
440-450	Amphibolite - dark gray, considerable quartz, and hornblende, traces of calcite, chlorite, and pyrite

OWNER: A. H. Graves (Garrisonville Estates) (continued)

#813

450-460	As above
460-470	As above
470-480	As above
480-490	As above
490-500	As above
500-510	Amphibolite - dark gray, hornblende, quartz, trace of calcite, chlorite, and pyrite
510-520	As above
520-530	As above
530-540	As above
540-550	As above

GEOLOGIC SUMMARY

<u>AGE</u>	<u>ROCK UNIT</u>
Precambrian	Amphibolite

Virginia Division of Mineral Resources
Laurence H. Gardner II - Geologist
May 6, 1963