

INTERVAL SHEET

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VDMR Well No.: 763 WWC # 36

Date 1-2-63

Sample Interval: from 0 to 265

PROP: Greenville Co. Schools
(R. R. Morton School)

Total depth 265

COMP: C. C. Powell & Sons

Oil Gas Water X Exploratory

COUNTY: Greenville (Emporia)

Cuttings X Core Other

From-To	From-To	From-To	Washed Samples From-To	From-To
-	0 - 10	-	Complete set of sampled intervals	-
-	10 - 20	-		-
-	20 - 30	-		-
-	30 - 40	-		-
-	40 - 50	-		-
-	50 - 60	-	-	-
-	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 - 265	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER: Greenville County Schools (R. R. Morton School)
DRILLER: C. C. Powell and Sons Inc.
COUNTY: Greenville (Emporia)

VDMR # 763
WWCR # 36
TOTAL DEPTH : 265

SAMPLE DESCRIPTION
(Washed Samples)

PLEISTOCENE (0-40)

- 0-10 Sand and gravel - white, quartz, medium grained to pea gravel, subangular to subrounded, feldspathic, argillaceous, slight trace of heavy minerals and iron oxide
- 10-20 Sand and gravel - light yellow, quartz, medium to very coarse grained, subangular to subrounded, feldspathic, argillaceous, slight trace of heavy minerals
- 20-30 Sand and gravel - white, quartz, fine grained to pea gravel, subangular, feldspathic, argillaceous, slight trace of heavy minerals and iron oxide
- 30-40 As above

SEDIMENTARY AND METAMORPHIC ROCKS (40-265)

- 40-50 Sand - white, quartz, medium grained to granules, angular to subangular, 60% quartz, 20% feldspar, 15% fine grained, impure marble, trace of iron oxide
- 50-60 Sand - white and green, fine grained to granules, subangular to subrounded, 50% quartz, 30% fine grained marble, 15% feldspar trace of iron oxide
- 60-70 Marble - light green, fine grained, impure with quartz, plagioclase, chlorite, pyrophyllite, and amphibole (in order of decreasing amounts as determined by X-ray analyses). Top of bedrock in this interval
- 70-80 Marble - light green, fine grained, impure with quartz, plagioclase, chlorite, amphibole and white vein calcite, slight trace of iron oxide
- 80-90 As above
- 90-100 As above
- 100-110 As above
- 110-120 As above

OWNER: Greenville County Schools (R. R. Morton School) (continued) #763

- 120-130 Amphibole schist - light green, hard, medium to very coarse grained, slightly calcareous, 60% quartz, 20% feldspar, 10% light green marble, 5% chlorite, heavy trace of iron oxide
- 130-140 Amphibole schist - light gray, hard, medium grained, slightly calcareous, 70% quartz, 20% feldspar, 5% chlorite, trace of iron oxide
- 140-150 As above
- 150-160 Amphibole schist - black and white, hard, very fine grained, slightly calcareous (X-ray analysis: 30% quartz, 30% plagioclase, 15% amphibole, 15% biotite, 8% chlorite).
- 160-170 As above
- 170-180 As above
- 180-190 As above
- 190-200 Amphibole schist - black, dark green, and white, hard, fine grained, slightly calcareous, 40% quartz, 40% feldspar, 10% amphibole, 5% chlorite
- 200-210 As above
- 210-220 Arkose - white, hard, fine to medium grained, subangular, calcareous, 70% quartz, 20% feldspar, 5% amphibole
- 220-230 Arkose - white, hard, fine to coarse grained, subangular, 50% quartz, 40% feldspar, 5% calcite
- 230-240 As above
- 240-250 As above
- 250-260 As above
- 260-265 As above

GEOLOGIC SUMMARY

	<u>AGE</u>	<u>ROCK UNIT</u>
0-40	Pleistocene	Columbia group
40-265	Paleozoic ?	Interbedded sedimentary and metamorphic rocks

Virginia Division of Mineral Resources
Merrick S. Whitfield - Geologist
January 10, 1963