

INTERVAL SHEET

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VDMR Well No: 1947

Date rec'd: 8/28/67

Sample Interval: from 0 to: 242'

PROP: Tidewater Veneer Co.

Number of samples: 29

COMP: Sydnor Hydrodynamics

Total Depth: 242'

COUNTY: Spotsylvania (Fredericksburg)

Oil or Gas: Water~~X~~ Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 85	-	-	-
85 - 90	-	-	-
90 - 95	-	-	-
95 - 100	-	-	-
100 - 105	-	-	-
105 - 110	-	-	-
110 - 115	-	-	-
115 - 120	-	-	-
120 - 125	-	-	-
125 - 135	-	-	-
135 - 145	-	-	-
145 - 155	-	-	-
155 - 165	-	-	-
165 - 175	-	-	-
175 - 185	-	-	-
185 - 195	-	-	-
195 - 205	-	-	-
205 - 215	-	-	-
215 - 225	-	-	-
225 - 235	-	-	-
235 - 242	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples -

OWNER: Tidewater Veneer Company
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Spotsylvania (Fredericksburg)

VDMR: 1947
WWCR: ~~484~~ 467
TOTAL DEPTH: 242'

GEOLOGIC LOG

Depth in feet

0-10	Sand - binder of variegated clay with reddish-brown aspect, trace of granule gravel; coarse, poorly sorted, poorly rounded, very feldspathic (dull-white, weathered potassic feldspar); abundant blue quartz; accessory magnetite; a few granitic rock fragments, and ferro-magnesian minerals; a few plant fragments
10-20	" "
20-30	Sand - gray, slightly clayey; fine- to coarse-grained, rather poorly-sorted, poorly rounded; extremely feldspathic (white, weathered potassic feldspar); abundant blue quartz; accessory magnetite; granitic rock fragments common, including some hornblende and biotite; traces of muscovite and pyrite
30-40	" "
40-50	" "
50-60	" "
60-70	" "
70-80	" reddish-brown, moderately clayey
80-85	Sand and Gravel - reddish-brown, clayey (variegated clay); 70% fine- to very coarse-grained, poorly-sorted, poorly-rounded, arkosic sand; 30% fine-grained gravel; moderately feldspathic to feldspathic; slightly lithic; small amounts magnetite and highly-weathered ferro-magnesian minerals
85-90	" 90% sand, 10% fine-grained gravel
90-95	Clay - reddish-brown, mottled greenish-gray, very sandy, about 5% fine-grained gravel; sand is fine- to very coarse-grained, poorly sorted, poorly rounded, feldspathic (white, weathered potassic feldspar); a few plant fragments and bits of carbonaceous material
95-100	" "
100-105	" "

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- 105-110 Clay - reddish-brown, mottled greenish-gray, very sandy, about 5% fine-grained gravel; sand is fine- to very coarse-grained, poorly sorted, poorly rounded, feldspathic (white, weathered potassic feldspar); a few plant fragments and bits of carbonaceous material
- 110-115 Sand - light-brown, slightly clayey, trace of fine-grained gravel; fine- to coarse-grained, rather poorly-sorted, subangular to subrounded; feldspathic; abundant magnetite; minor sphene, brown epidote, tourmaline; trace of plant material
- 115-120 " "
- 120-125 " trace of granule gravel
- 125-135 Sand - binder of reddish- and yellowish-brown clays, 15% granule gravel; fine- to very coarse-grained, poorly sorted, variable rounded; feldspathic; slightly lithic; magnetite common; a few plant fragments
- 135-145 " "
- 145-155 Sand - abundant matrix of bright, variegated clay with brown aspect, coarse, poorly sorted, feldspathic, slightly lithic; blue quartz common; some biotite-bearing rock fragments
- 155-165 " biotite-bearing rock fragments common
- 165-175 Sand - abundant matrix of variegated clay with yellowish-brown aspect, trace of granule gravel; fine- to very coarse-grained, rather poorly-sorted (skewed fine); feldspathic, slightly lithic; small amounts of magnetite and blue quartz
- 175-185 " "
- 185-195 Sand - medium-brown, moderately-abundant clay binder; medium- to coarse-grained, moderately sorted, subangular to sub-rounded; very feldspathic; abundant magnetite
- 195-205 " "
- 205-215 " medium- to very coarse-grained

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215-225	Sand - grayish-brown, slightly clayey; very fine- to very coarse-grained, poorly sorted, poorly rounded; feldspathic; moderately lithic; green biotite common, as component of rock fragments and as discreet grains
225-235	" "
235-242	" biotite and granitic rock fragments relatively abundant

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-242 ^t	Patuxent Formation	Early Cretaceous

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
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