

INTERVAL SHEET

WWCR - 392

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VDMR Well No: 1805

Date rec'd: February 6, 1967

Sample Interval: from 0 to 482

PROP: Town of Boykins #4

Number of samples: 25

COMP: Pittman Wood and Metal Co.

Total Depth: 482'

COUNTY: Southampton (Boykins)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 20	-	-	-
20 - 32	-	-	-
32 - 52	-	-	-
52 - 72	-	-	-
72 - 92	-	-	-
92 - 112	-	-	-
112 - 132	-	-	-
132 - 152	-	-	-
152 - 172	-	-	-
172 - 192	-	-	-
192 - 212	-	-	-
212 - 232	-	-	-
232 - 252	-	-	-
252 - 272	-	-	-
272 - 292	-	-	-
292 - 312	-	-	-
312 - 332	-	-	-
332 - 352	-	-	-
352 - 372	-	-	-
372 - 392	-	-	-
392 - 412	-	-	-
412 - 432	-	-	-
432 - 452	-	-	-
452 - 472	-	-	-
472 - 482	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Town of Boykins, Virginia, Well #4  
DRILLER: Pittman Wood & Metal Company  
COUNTY: Southampton (Boykins)

VDMR: 1805  
WWCR: 392  
TOTAL DEPTH: 492'

GEOLOGIC LOG

Depth in feet

COLUMBIA GROUP (0-20)

0- 20            Sand — tan, trace of clay; medium- to coarse-grained, fairly well sorted, angular to subangular; clear and milky quartz; moderately feldspathic; trace of magnetite.

CHESAPEAKE GROUP (20-92)

20- 32            Sand — pale brown, very slightly clayey; medium-grained, well sorted, subrounded; very slightly feldspathic and glauconitic; traces of phosphorite and epidote; pelecypod shell fragments and echinoid spines common.

32- 52            Sand and Shell — gray, sand (50%) is medium- to very coarse-grained, moderately sorted, subrounded; slightly to moderately feldspathic; shell (50%) consists of pelecypod fragments, bryozoans, and echinoid spines.

52- 72            Sand and Shell — brownish-gray, sparse clay matrix, a few granules and small pebbles; sand (70%) is fine- to very coarse-grained, rather poorly sorted and rounded; shell (30%) consists of pelecypod fragments and bryozoans; slightly micaceous (coarse-grained muscovite); locally limonitic.

72- 92            Sand — gray, trace of clay; coarse- to very coarse-grained, well sorted, subangular to subrounded; slightly feldspathic; traces of muscovite, garnet, and a few shell fragments.

PATUXENT FORMATION (92-472)

92-112            Sand — gray, moderately clayey; fine- to very coarse-grained, rather poorly sorted (skewed coarse), roundness increases with grain size; slightly- to moderately-feldspathic; locally limonitic; traces of muscovite, pyrite, carbonaceous fragments; a few shell fragments.

- 112-132 Sand — brown, clayey; very fine- to coarse-grained, rather poorly sorted (skewed fine), poorly rounded; very slightly feldspathic; small amounts of mixed pyrite and carbonaceous material; trace of muscovite; a few shell fragments.
- 132-152 "
- 152-172 Sand — gray, clayey; fine- to coarse-grained, rather poorly sorted, poorly rounded; moderately feldspathic; moderately micaceous (muscovite, some biotite).
- 172-192 Sand and Gravel — gray, moderately clayey; sand (about 80%) is fine- to very coarse-grained, poorly sorted, variably rounded; gravel (about 20%) is fine-grained (2-6 mm), well sorted, rounded; feldspathic; traces of muscovite and pyrite; a very few plant and shell fragments.
- 192-212 "
- 212-232 " about 10% gravel.
- 232-252 Sand — gray, moderately clayey to clayey; medium- to coarse-grained, fairly well sorted, subangular to subrounded; feldspathic; traces of muscovite and garnet.
- 252-272 " very slightly clayey.
- 272-292 " very slightly clayey; about 15% granule gravel.
- 292-312 Sand and Gravel — gray, slightly clayey; sand (about 50%) is coarse- to very coarse-grained, well sorted, subrounded; gravel (about 50%) is fine-grained (2-5 mm), well sorted, rounded; traces of muscovite, pyrite, and pink garnet.
- 312-332 " about 15% granule gravel.
- 332-352 " about 40% granule gravel.
- 352-372 Sand — gray, slightly clayey, 5-10% granule gravel; coarse- to very coarse-grained, well sorted (skewed coarse), subrounded to well rounded; feldspathic; traces of garnet, muscovite, and pyrite.

372-392	Sand — brownish-gray, slightly clayey; medium-grained, well sorted, subangular to subrounded; slightly feldspathic; trace of muscovite.
392-412	"
412-432	" coarse-grained.
432-452	Sand — brownish-gray, slightly silty and clayey; fine- to very coarse-grained, rather poorly sorted, angular to subrounded; feldspathic (dull white potassic feldspar); traces of muscovite and garnet.
452-472	" coarse- to very coarse-grained.
472-492	" "

#### GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0- 20	Columbia Group	Pleistocene
20- 92	Chesapeake Group	Miocene
92-492	Patuxent Formation	Early Cretaceous

Virginia Division of Mineral Resources  
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March 22, 1967