

Sheet No. 1

PROP: TOWN OF WARSAW #1
COMP: MITCHELL'S WELL & PUMP
COUNTY: RICHMOND
VDMR WELL NO: 0198
FROM: TO:

VDMR WELL NO. 0198 ①

Sample Interval 5-653

Total Depth ?

Oil ___ Gas ___ Water Exploratory ___

Cuttings Core ___ Other ___

From-To	From-To WASHED AND FLOATED SAMPLES	From-To	From-To	From-To
5-27		-	-	-
27-58	5-27	-	-	-
58-130	27-58	-	-	-
130-175	58-130	-	-	-
175-219	130-175	-	-	-
219-266	175-219	-	-	-
266-271	219-266	-	-	-
271-285	266-271	-	-	-
285-287	271-285	-	-	-
287-290	285-287	-	-	-
290-350	287-290	-	-	-
350-392	290-350	-	-	-
392-530	350-392	-	-	-
530-560	392-530	-	-	-
560-622	530-560	-	-	-
622-638	560-622	-	-	-
638-653	622-638	-	-	-
-	638-653	-	-	-
-	-	-	-	-

OWNER:	Town of Warsaw	VDMR # 0198
DRILLER:	Mitchell Well and Pump	WWCR # 1
COUNTY:	Richmond Co. (Town of Warsaw)	Depth:653'

SAMPLE EXAMINATION
(washed)

0-57	Sand and clay, yellow to tan
57-260	Clay, brownish pink, slightly micaceous and sandy. Few shell fragments 130 to 170'
260-270	Clay, brown, soft, sandy, abundant shell fragments
270-282	Sand, quartz, fine to medium grained, dirty with abundant shells.
282-285	Limestone, gray-brown, dense, very sandy, argillaceous, glauconitic, pyritic.
285-290	Clay, brown, marly, glauconitic, pyritic
290-350	Sand, quartz and glauconite, fine grained, subangular
350-380	Clay, brown, soft, slightly calcareous, glauconitic, sandy with few shell fragments
380-530	Clay, tan, brown, and pink, soft, calcareous, glauconitic, sandy, micaceous. Few shell fragments.
530-560	Clay, brown, firm, sandy
560-638	Sand, quartz, tan, very fine grained, silty, micaceous with tan clay cement. Becomes fine grained to gravel size towards base with mica and feldspar.
638-653	Clay, tan, sandy, soft.

GEOLOGIC SUMMARY

Pleistocene	Columbia Group.	Surface-57'
✓ Miocene	Chesapeake Group.	57-282
✓ Eocene	Pamunkey Group.	282-530
Paleo-Cret	Mattaponi Fm.	530-T.D.

0198

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VIRGINIA DIVISION OF MINERAL RESOURCES
William Dudley, Geologist
October 1958

VDMR Well No. 0198

Loc.: Town of Warsaw

Richmond Co.

Prop: Town of Warsaw

Contractor: Mitchell Well and Pump

<u>Interval</u>	<u>Description</u>	
	PLEISTOCENE	COLUMBIA GROUP
0-57	sand and clay, yellow to tan	
	MIOCENE	CHESAPEAKE GROUP
57-260	clay, brownish pink, slightly micaceous and sandy. Few shell fragments 130 to 170'	
260-270	clay, brown, soft, sandy/ Abundant shell fragments	
270-282	sand, quartz, fine to medium grained, dirty with abundant shells.	
	EOCENE	PAMUNKEY GROUP
282-285	limestone, gray-brown, dense, very sandy, argillaceous, glauconitic, pyritic	
285-290	clay, brown, marly, glauconitic, pyritic	
290-350	sand, quartz and glauconite, fine grained, subangular	
350-380	clay, brown, soft, slightly calcareous, glauconitic, sandy with few shell fragments	
380-530	clay, tan, brown and pink, soft, calcareous, glauconitic, sandy, micaceous. Few shell fragments	
	PALEOCENE-UPPER CRETACEOUS	MATTAPONI FM
530-560	clay, brown, firm, sandy	
560-638	sand, quartz, tan, very fine grained, silty, micaceous with tan clay cement. Becomes fine grained to gravel size towards base with mica and feldspar	
638-653	clay, tan, sandy, soft.	

SUMMARY

Pleistocene	Colombia Gp.	Surface-57'
Miocene	Chesapeake Gp.	57-282
Eocene	Pamunkey Gp.	282-530
Paleo-Cret	Mattaponi Fm.	530-T.D.