

Sheet No. 1

**PROP: TOWN OF COLONIAL
BEACH
COMP: VA. MACHINERY & WELL
COUNTY: WESTMORELAND
VDMR WELL NO.: 0257
FROM: TO:**

VDMR WELL NO. 0257
Sample Interval 0-634+ ②
Total Depth 634+

Oil Gas Water Exploratory

Cuttings Core Other

*See Sinnott's manuscript
on wells in Northern Neck*

Table 7.

From-To	From-To	From-To WASHED + FLOATED SAMPLES	From-To WASHED SAMPLES	From-To
0 - 30 31	450- 42			
30 - 60 40	500- 59	30-65-16	78-84-29	
65-72 55	520- 45	65-72-14	250-275-110	
72-78 93	540- 26	-	275-295-70	
78-84 91	550- 25	-	295-320 104	
84-95 58	564-570 17	-	325- 20	
95-194 48	580-590 71	-	374-400-71	
194-197 41	590-600 28	-	410-417-55	
197-225 94	600-620 36	-	417-425-55	
225- 89	620-634 53	-	450- 22	
250-275 84	634 ⁺ 89	-	500- 9	
275-295 16	-	-	520- 23	
295-320 64	-	-	580-590-21	
325- 64	-	-	600-620-7	
350- 57	-	-	620-634-23	
370- 35	-	-	634 ⁺ - 60	
374-400 100	-	-	-	
410-417 62	-	-	-	
417-425 85	-	-	-	

OWNER: Town of Colonial Beach
DRILLER: Va. Mach. and Well Co.,
COUNTY: Westmoreland Co.

VDMR # 0257
WWCR # 7
Depth: 6⁷/₃'

SAMPLE EXAMINATION
(washed)

0-30	Clay, tan-yellow, soft, with imbedded quartz grains
30-72	Clay, gray, mottled with red in part, firm, with shell fragments
72-78	Sand, quartz, tan-yellow, very fine to fine grained, slightly glauconitic
78-95	Gravel, rounded quartz and igneous pebbles
95-194	Clay, gray, calcareous, glauconitic, soft
194-197	Clay, red to pink, glauconitic, sandy
197-225	Sand, quartz and glauconitic, fine grained, subangular, cemented with clay in part
225-250	Clay, gray, glauconitic, sandy, soft
250-275	Clay, brown-green, sandy, glauconitic, soft
275-295	Sand, quartz and glauconite, fine grained, abundant clay
295-320	Clay, gray, glauconitic, calcareous, soft (Note: below 320' the envelopes were labeled with only one depth in some instances)
325	Clay, tan-yellow, glauconitic, soft
350	Clay, brown-red-pink, sandy, plastic when wet
370	Clay, brown tan, ochre, sandy
374-400	Sand, quartz, fine grained, subangular, white, very slightly glauconitic and micaceous
410-417	Clay, gray, firm, micaceous, sandy

- 417-425 Sand, quartz, gray, medium grained, argillaceous, angular to rounded
- 450 Clay, brown, tan ochre, sandy, soft, with shell fragments
- 500 As above
- 520 As above
- 540 Clay, brown-pink, sandy, soft
- 550 Clay, mottled red and pink, sandy, soft
- 564-570 As above
- 580-590 Clay, brown-red, with abundant shell fragments
- 590-600 Clay, red, sandy, soft
- 600-620 Clay, varicolored, white ochre brown red, sandy, firm
- 620-634 Clay, gray to tan, sandy, firm
- 634-654 Sand, white, quartz, fine grained, micaceous, argillaceous, angular to subangular, clear to frosted.

GEOLOGIC SUMMARY

Pleistocene	Colombia Gp.	0-30
Miocene	Chesapeake Gp.	30-72
Eocene	Pamunkey Gp.	72-225
Paleo-Cret	Mattaponi Fm.	225 to T. D.

VIRGINIA DIVISION OF MINERAL RESOURCES
William Dudley, Geologist
November 1958

VDMR Well No. 0257

Westmoreland Co.

Prop: Town of Colonial Beach
Contractor: Va. Mach. and Well Co.

<u>Interval</u>	<u>Description</u>
	PLISTOCENE COLONIA GROUP
0-30	clay, tan-yellow, soft, with imbedded quartz grains
	MIOCENE CHESAPEAKE GROUP
30-72	clay, gray, mottled with red in part, firm, with shell fragments
	EOCENE PAMUNKEY GROUP
72-78	sand, quartz, tan-yellow, very fine to fine grained, slightly glauconitic
78-95	gravel, rounded quartz and igneous pebbles
95-194	clay, gray, calcareous, glauconitic, soft
194-197	clay, red to pink, glauconitic, sandy
197-225	sand, quartz and glauconitic, fine grained, subangular, cemented with clay in part
	PALEOCENE-UPPER CRETACEOUS MATTAPONI FM
225-250	clay, gray, glauconitic, sandy, soft
250-270	clay, brown-green, sandy, glauconitic, soft
275-295	sand, quartz and glauconite, fine grained, abundant clay
295-320	clay, gray, glauconitic, calcareous, soft (Note: below 320' the envelopes were labeled with only one depth in some instances)
325	clay, tan-yellow, glauconitic, soft
350	clay, brown-red-pk, sandy, plastic when wet
370	clay, brown tan, ochre, sandy
374-400	sand, quartz, fine grained, subangular, white, very slightly glauconitic and micaceous
410-417	clay, gray, firm, micaceous, sandy
417-425	sand, quartz, gray, medium grained, argillaceous, angular to rounded
450	clay, brown, tan ochre, sandy, soft, with shell fragments
500	as above
520	as above

- 540 clay, brown-pink, sandy, soft
- 550 clay, mottled red and pink, sandy, soft
- 564-570 as above
- 580-590 clay, brown-red, with abundant shell fragments
- 590-600 clay, red, sandy, soft
- 600-620 clay, varicolored, white ochre brown red, sandy, firm
- 620-634 clay, gray to tan, sandy, firm
- 634-654 sand, white, quartz, fine grained, micaceous, argillaceous, angular to subangular, clear to frosted.

SUMMARY

Pleistocene	Colombia Gp.	0-30
Miocene	Chesapeake Gp.	30-72
Eocene	Pamunkey Gp.	72-225
Paleo-Cret	Mattaponi Fm.	225-T.D.

Note: This well is listed as the type well for the Mattaponi fm. in the U.S.G.S. Water Supply Paper No. 1361.