1

P: J. BURNETT (1943)
MP: O. C. BRENNEMAN
COUNTY: NEW KENT
VDMR WELL NO: 0191
FROM: TO:

VDMR WELL NO. 0191 (1)
Sample Interval 0 - 194
Total Depth 194

Oil ___ Gas ___ Water ✓ Exploratory ___

Cuttings ✓ Core ___ Other ___

See Water Supply Paper 1361 pp. 115+116

From-To	From-To	From-To	From-To	From-To
	WASHED & FLOATED SAMPLES			
0 - 50		-	-	-
60 - 115	60 - 115	-	-	-
117 -	117 -	-	-	-
125 - 137	125 - 137	-	-	-
137 - 142	137 - 142	-	-	-
143 - 151	143 - 151	-	-	-
151 - 162	151 - 162	-	-	-
162 - 165	162 - 165	-	-	-
169 - 184	169 - 184	-	-	-
184 - 194	184 - 194	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER: J. Burnett
DRILLER: O. C. Brenneman
COUNTY: New Kent

VDMR #0191
WWCR # 1
Depth: 194'

SAMPLE EXAMINATION
(washed)

0-50	Yellow fine grained sand, silt, and clay
50-60	No sample
60-118	Sand, tan, Very fine grained, silty, very slightly glauconitic. Occasional large quartz grains.
118-125	No sample
125-137	Clay, tan to pink, soft, very sandy, with shell fragments
137-142	Marl; predominantly shell fragments with subordinate clay and sand
142-151	Clay, brown, marly, sandy, soft, with shell fragments
151-167	Limestone, gray-white, dense, hard, pyritic, sandy, glauconitic with abundant coarse quartz grains
167-170	No sample
170-184	Sand, quartz, glauconitic with foraminifera and shell fragments
184-194	Finely pulverized shell fragments with foraminifera and minor sand

GEOLOGIC SUMMARY

Pleistocene	Columbia GP.	0 - 60'
Miocene	Chesapeake Gp.	60-151'
Eocene	Pamunkey Gp.	151'-T. D.

VIRGINIA DIVISION OF MINERAL RESOURCES
William Dudley, Geologist
October 1958

OWNER: J. Burnett
DRILLER: O. C. Brenneman
COUNTY: New Kent

W#: 191
C#: 1
TOTAL DEPTH: 194'
QUAD.: Walkers

GEOLOGIC LOG

Depth (feet)	
0-50	Sand — light grayish orange; slightly clayey; medium grained, some fine grains; subangular to subrounded; well sorted; quartz; feldspar; few grains of glauconite; muscovite (unwashed only).
50-60	No sample.
60-115	Sand — yellowish gray; slightly clayey; very fine grained, some coarse grains; subangular to subrounded; moderately well sorted; quartz; 2% black phosphatic material; some glauconite; muscovite.
115-117	No sample.
117	Sand — yellowish gray; slightly clayey; very fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 3% black phosphatic material; few grains of glauconite; muscovite.
117-125	No sample.
125-137	Sand — olive light gray; moderate clay-olive light gray, dark yellowish orange; fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; 7% bone fragments; 7% black phosphatic material; 2% shell fragments.
137-142	Shell hash — medium gray; slightly clayey; abundant sand; medium to very coarse grained, some granules; subrounded; moderately sorted; 70% shell fragments; quartz; 5% black phosphatic material; some bone fragments; some glauconite.
142-143	No sample.
143-151	Sand — olive light gray; slightly clayey; medium to coarse grained, some fine grains, some granules; subrounded; moderately sorted; quartz; 5% shell fragments; 2% black phosphatic material; some bone fragments; few grains of glauconite; forams (inc. Bulimina, Nonion, Robulus, and Buccella); few spines.
151-162	Sandy limestone — light gray; slightly clayey; moderate sand; coarse grained to granules, few pebbles; rounded; moderately sorted; 85% sandy limestone fragments; quartz; 2% shell fragments; pyrite.

Depth (feet)	
162-165	Sandy limestone fragments and sand — light gray; very coarse grained to granular, some pebbles; rounded; moderately sorted; 50% sandy limestone fragments; quartz; some shell fragments; some pyrite; few grains of glauconite; few black phosphatic fragments.
165-169	No sample.
169-184	Sand — light olive gray; medium to coarse grained; subrounded to rounded; moderately well sorted; quartz; 15% glauconite (black, green); 10% shell fragments; forams common (inc. Quinqueloculina, Buccella, Textularia, and Siphogenerina); some spines; some pyrite; ostracodes.
184-194	Shell hash — light olive gray; slightly clayey; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; 65% shell fragments; quartz; 10% glauconite; forams abundant (inc. Quinqueloculina, Buccella, Textularia, Globulina), ostracodes common; few spines; pyrite.

Logged by : Michael T. Currie