INTERVAL SHEET WWCR - 159

Page 1 of 1 VDMR Well No: 2192

Date rec'd: 5/24/68 Sample Interval: from 0 to: 290'

PROP: Williamsburg West Corp. Sub. Number of samples: 29

COMP: Mitchell's Well & Pump Co. Total Depth: 290'

COUNTY: James City (Williamsburg) Oil or Gas: Water:XExploratory:

0 - 10	From-To	From-To	From-To	From-To
20 - 30				
30 - 40 40 - 50 50 - 60 60 - 70 70 - 80 80 - 90 90 - 100 		-		
\$0 - 60		-	-	
50 - 60		-	-	-
60 - 70	40 - 50		-	
60 - 70	FO - 60	_	_	_
70 - 80		_	<u> </u>	
80 - 90 90 - 100		_		_
90 - 100		-		_
100 - 110		a	. <u>-</u>	_
110 - 120 120 - 130 130 - 140 130 - 140 140 - 150	70 100			
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120 - 130		_ "	<u>-</u> ,	
130 - 140		_	-	
140 - 150		· ·	<u> </u>	-
150 - 160		-		_
160 - 170				
170 - 180	150 - 160			-
180 - 190 190 - 200	160 - 170	-	e e e e e e e e e e e e e e e e e e e	
190 - 200	170 - 180			-
200 - 210	180 - 190	e de la companya de l		
210 - 220 220 - 230 	190 - 200	,	-	-
210 - 220 220 - 230 				
220 - 230 230 - 240 240 - 250		_	_	
230 - 240 240 - 250		-	-	
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260 - 270 270 - 280 280 - 290	240 - 250	- · · · · · · · · · · · · · · · · · · ·		
260 - 270 270 - 280 280 - 290	250 240			
270 - 280 280 - 290		-	-	
280 - 290				
)		

OWNER: Williamsburg West Corporation
DRILLER: Mitchell's Well and Pump Company

COUNTY: James City (Williamsburg)

VDMR: 2192 WWCR: 159 TOTAL DEPTH: 290'

GEOLOGIC LOG

Depth	in
feet	

COLUMBIA GROUP (0-20')

0-10 Sand — brownish-orange, slightly clayey; mediumgrained, well-sorted, subangular; moderately feldspathic

10-20 Sand — bright orange-brown, slightly- to moderately clayey; fine- to coarse-grained, rather poorly-sorted, angular to rounded; slightly to moderately feldspathic; magnetite and weathered glauconite common in fine fraction; traces of muscovite and garnet, and a few rock fragments

YORKTOWN FORMATION (20-60')

20-30 Sand and Shell — tan, moderately-clayey; 35% fine- to coarse abraded pelecypod, echinoid, and bryozoan shell debris, and a few fragments of calcitic sandstone; 65% medium-grained, moderately-sorted, subangular- to well-rounded quartz sand; trace of glauconite; foraminifers common, but not abundant

30-40 Sand — gray, slightly- to moderately clayey, 25% coarse pelecypod (-scaphopod-gastropod) shell material; fine- to medium-grained, well-sorted, angular- to subangular sand; clear and pale-green quartz, with minor glauconite; a few echinoid spines, foraminifers, and fragments of coral

40-50

50-60 " with 3-5% dark-green glauconite, and a few bone fragments

CALVERT FORMATION (60-190')

60-70 Sand — greenish-gray, slightly clayey, a few shell fragments; fine-grained, fairly well-sorted, angular to subangular; clear and pale-green quartz, with minor glauconite

OWNER:	Williamsburg West Corpo	oration	#2192
70-80	well-sorted	een, slightly clayey; l, angular; minor gla tite, and relatively-	uconite, horn-
80-90	well-sorted	atly-clayey; trace of d, angular; clear and muscovite, hornblen uconite	greenish quartz,
90-100	ıı	grayish-green, ve	ry-slightly clayey
100-110	shell fragm	een, slightly-clayey, ents; fine-grained, v subangular; trace of ines	very well-sorted,
110-120	п	moderately-clayey little shell materia	
120-130	II.	clayey, diatomace shell fragments	ous, a few large
130-140	shell fragm fine grained	ray, sandy, diatomatents; sand fraction in d, very well-sorted, te and muscovite	s fine- to very-
140-150	11	very sandy, somew diatomaceous	what less
150-160	fine- to ver	pact, slightly silty ar y-fine grained, well- very-slightly glauco	-sorted, angular
160-170	and greenis fraction is	terlaminated light-gand-ganderately- fine, well-sorted, are s common, but not a	clayey sand; sand ngular; small
170-180	pelecypod s quartzose;	ray, very-slightly sand hell fragments; sand abundant nodular pyr abundant (Nonion mo	ite; foraminifers

OWNER: Williamsburg West Corporation

#2192

180-190	Clay - greenish-gray, slightly sandy, a few shell
	fragments; sand is fine, angular, quartzose;
	phosphatic nodules and bone fragments common;
	foraminifers moderately abundant (Nonion,
	Balivina, Uvigerina dominant)

CHICKAHOMINY FORMATION (190-220')

190-200	a few shel moderatel with 5% fr	matrix of drab, greenish-gray clay, l fragments; medium-grained, y-sorted, subangular; clear quartz, agmental phosphorite; a few foraminifers, Siphogenerina
200-210	п	medium- to coarse-grained, moderately- sorted, subrounded; trace of phosphorite
210-220	Sand — greenish-	gray, moderately-clayey, trace of shell

Sand — greenish-gray, moderately-clayey, trace of shell material, a few fragments of coarse-grained calcitic sandstone; medium- to coarse-grained, fairly well-sorted, subangular to rounded; clear quartz, with minor fragmental phosphorite

NANJEMOY FORMATION (220-290')

220-230	Limestone — light-gray, equi-granular, fossiliferous, slightly pyritic
230-240	Sand and Limestone — 40% medium-grained sand and 60% yellowish, sandy limestone; sand fraction consists of reddish-brown allochthonous glauconite and subordinate subrounded- to well-rounded stained quartz
240-250	Limestone — light-gray, equi-granular; slightly fossili- ferous and glauconitic

250-260 Sand — brown, speckled; 60% medium- to coarse-grained, partially-decomposed glauconite, and 40% coarse-grained, rounded, stained quartz

260-270

270-280

280-290

OWNER: Williamsburg West Corporation

#2192

GEOLOGIC SUMMARY

	ROCK UNIT	AGE
0-201	Columbia Group	Pleistocene
20-601	Yorktown Formation	Late Miocene
60-190t	Calvert Formation	Middle Miocene
190-2201	Chickahominy Formation	Late Eocene
220-2901	Nanjemoy Formation	Middle Eocene

Virginia Division of Mineral Resources Robert H. Teifke, Geologist July 23, 1968

MAILING ADDRESS:

Box 3667, University Sta.

Charlottesville, Virginia

COMMONWEALTH OF VIRGINIA

VDMR- 2192 WWCR- 159

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF MINERAL RESOURCES JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS

WATER WELL COMPLETION REPORT

McCormick Road Charlottesville, Virginia

OWNER: Williamsburg West Corporation	c/o Mr. M. W. Hitson P. O. Box Mailing Address: 2480, Williamsburg, Va., 23185
TENANT: Williamsburg West Subdivision	
	Mailing Address: R#1,Bx 110, Col. Hgts., Va23834
	Approxfeet(direction) of
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TO COUNTY HIGHWAY OR OTHER MAP.)	
DATE STARTED: March 1968	DATE COMPLETED: March 1968
TYPE OF DRILL RIG USED: Cable Tool	TOTAL DEPTH 290 feet
WATER LEVEL: Stands 82 feet below	
Accordance and the contract of	gallons per minute.
YIELD TEST: Method_pumped22	HOLE SIZE: 10 inches from 0 to 50 feet
Drawdown***********************************	6 inches from 00 to 2900 feet
Rate 250 gal. per min.	inches fromtofeet
Duration 36 hrs., 30 min. not continuious	SCREEN SIZE: 5 inches from 226 fo 246 feet
WATER ZONES: fromtofeet	inches fromCfofeet
fromtofeet	inches fromtofeet
fromfeet	CASE SIZE: 6 inches from 0 to 225 feet
WATER: ColorTostegood	totofeet
Odornoneremp°F	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method
FarmTownSchool	Material cement & Depth 50 feet
IndustryOther_Subdivision	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes X No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED	ED FREE OF CHARGE UPON REQUEST.)
REMARKS: Filled with gravel from 290 ba	ck to 246'
De Cheminal Grand property for h	

FURNISHED BY:

LOG LOG Mitchell's Well & Pump Co DATE: May 10, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED	REMARKS	
FROM	то	. (gravel, clay, etc., hardness, color, etc.)	(water, caving, shot, screen, sample, etc.)	
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0	10	red mud	Sample # 1	
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150	160	marl & shell	16	
160	170	The contract to the second of the contract of	6 109.2.a.x 6 1	
170	180	H A STATE OF THE S	/18	
180	190		19	
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200	210	Fig. 1 Control (1997) And Contro	21	
210	220	sand	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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260	270	black sand	27	
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280	290	11	29	
200	250	LONG OF THE PARTY	10.4 J	
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		MINERAL RESOURCES, CHARLOTTESVILLE,	VIRGINIA.	
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