VIRGINIA DIVISION OF MINERAL RESOURCES INTERVAL SHEET

\bigcirc						C- 117
Oge	1 of	1			Well Repositor	y No: W-2417
Date re	c'd: 1/22/69				Sample Interva	l: from 0 to: 600'
PROP:	E. G. Wade S	Subdivision			Number of sam	nples: 60
COMP.	Sydnor Hydro	odynamics, I	nc.		Total Depth:	600'
COUNT	Y: Hanover ()	Mechanicsvil	le)		Oil or Gas: W	ater: X Exploratory:
	From-	То	From	-To	From-To	From-To
	0 –	10		310	-	-
	10 -	20	310 -	320	-	i n
	20 -	30	320 -		H	-
	30 -	40		340	-	-
	40 -	50	340 -	350	-	100
	50 -	60	350 -	360	-	-
	60 -	70	360 -	370	-	2 — 1
	70 -	80	370 -	380	-	-
	80 -	90	380 -	390		
\bigcirc	90 -	100	390 -	400	-	-
	100 -	110	400 -	410	-	-
	110 -	120	410 -		61 <u>4</u> -	
	120 -	130		430		-
	130 -	140	430 -		2 - 1	- 5
	140 -		440 -		2 5 .	<u>1449</u> 370-
	150 -	160	450 -	460		
	160 -	170	460 -	470	-	-1
	170 -	180	470 -	480	-	-
	180 -	190	480 -	490	-	
	190 -	200	490 -	500	<u> </u>	<u> </u>
	200 -	210	500 -	510	_	_
	210 -		510 -			_
	220 -		520 -			
	230 -		530 -			
	240 -		540 -		-	_
	240 -	230	JIU -	550	-	-
	250 -	260	550 -	560	-	-
	260 -		560 -	570	2	-
	270 -		570 -	580	-	-
	280 -		580 -	590		÷
	290 -		590 -		-	-

All intervals have both washed and unwashed samples.

W-2417 C- 117 TOTAL DEPTH- 600'

GEOLOGIC LOG

Depth in feet

COLUMBIA GROUP (0-50^t)

0-10	Sand — pink, silty, weathered and iron-oxide stained; fine to very fine grained, angular to subangular, fairly well sorted; quartz, feldspar and magnetite, with minor amount of clay
10-20	light tan, less iron-oxide staining; minor amounts of very coarse sand and quartzo- feldspathic gravel
20-30	Gravel — light tan to tan, sandy, slightly oxidized; rounded to subrounded quartzo-feldspathic gravel, with minor amount of very fine to medium grained, angular to subangular quartz sand; traces of silt and clay
30-40	н
40-50	п
CALVERT F	ORMATION (50-130')
50-60	Sand — gray, silty; angular to subangular, very fine to fine grained sand, with minor amounts of clay and quartzo-feldspathic gravel; quartz, with traces of feldspar, apatite, magnetite, and garnet; trace of shell fragments
60-70	н
70-80	" increase in amount of gravel
80-90	Clay — gray, silty, with fine to very fine grained angular to subrounded sand and rounded to angular gravel;

quartz, with traces of glauconite, apatite and

phosphate nodules

OWNER: E.	G. Wade Subdivision W-2417				
90-100	Clay — gray, silty, with fine to very fine grained angular to subrounded sand and rounded to angular gravel; quartz, with traces of glauconite, apatite and phosphate nodules				
100-110	" increase in clay and silt fractions, less gravel				
110-120	п п				
120-130	п п				
NANJEMOY FORMATION (130-170')					
130-140	Sand — dark gray, glauconitic, silty and clayey; very fine to medium grained, rounded to subangular sand with clay, silt and trace of gravel; quartz, with minor amount of glauconite and trace of phosphate nodules				
140-150	Clay — gray and pink, silty, with very fine to fine grained sand; quartz, with traces of glauconite and phosphate nodules				
150-160	Sand — gray, silty; very fine to medium grained, rounded to subangular sand, with minor amounts of gravel and clay; quartz, glauconite, and phosphate nodules with trace of pyrite; minor amount of pink silty clay, trace of shell fragments				
160-170	Clay — gray and pink, silty, with fine to fine grained sand; quartz, with traces of phosphate nodules and glauconite				
MATTAPONI FORMATION (170-180 ^t)					
170-180	Sand — dark gray, gravelly and glauconitic ; very fine to medium grained, rounded to subangular, with minor amount of gravel and traces of silt and clay; quartz, glauconite and some phosphate nodules; trace of shell fragments				

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OWNER: E.	G. Wade	Subdiv	ision	W-2417
PATUXENT 1	FORMAT	'ION (18	0-220 ^t)	
180-190	Gravel	with m feldspa	r; fairly well sorted, rounded to sub- inor amounts of clay, silt, and sand ar, glauconite, and a few granitic ro- traces of shark teeth	; quartz,
190-200		11		
200-210		п		
210-220		н		
PETERSBUR	G GRANI	TE (22)	0-600 ¹)	
220-230	Granite		kish-gray, fine to medium grained; f artz, with minor amount of biotite	eldspar
230-240		11		
240-250		11		
250-260		11		
260-270		11		
270-280		11		
280-290		11		
290-300		11		
300-310		11		
310-320		11		
320-330		н		
330-340		11		
340-350		н	about 40% of the fragments are gra micaceous biotite granite	y, very
350-360		п		

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OWNER:	E. G. Wade	Subdivision	W-2417
360-370	Biotite	granite — gray, fine to medium grained, slightly foliated; feldspar, quartz and bio	
370-380		II	
380-390		11	
390-400		11	
400-410		11	
410-420		11	
420-430		Ц	
430-440	Granit	e — light tan, medium to coarse grained; and quartz, with minor amounts of biotit muscovite; trace of pink garnet	
440-450		п	
450-460		Ц	
460-470		п	
470-480		п	
480-490		п	
490-500	Biotite	granite — gray, fine to medium grained slightly foliated; feldspar, quartz, and b trace of pink garnet	
500-510		н	
510-520		" dark gray; increase in amount of	biotite
520-530		н н	
530-540		п п	
540-550		п п	

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550-560	Biotite granite — dark gray, fine to medium grained, very micaceous, slightly foliated; feldspar, quartz and biotite, with trace of pink garnet; light green stains on many of the quartz and feldspar crystals
560-570	п
570-580	п
580-590	11
590-600	п

GEOLOGIC SUMMARY

Rock Unit

OWNER: E. G. Wade Subdivision

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0-501	Columbia Group	Pleistocene
50-130 ^t	Calvert Formation	Miocene
130-170 ^t	Nanjemoy Formation	Eocene
170-180'	Mattaponi Formation	Paleocene
180-220 ^t	Patuxent Formation	Cretaceous
220-600 ¹	Petersburg Granite (?)	Paleozoic (?)

Virginia Division of Mineral Resources Robert G. Willson, Geologist January 26, 1969

W-2417

- Age