COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMEN

MAILING ADDRESS: DIVISION OF MI	NERAL RESOURCES OFFICE ADDRESS: McCormick Road COMPLETION REPORT Charlottesville, Virginia
OWNER: Continental Can Company #6	Mailing Address: Attn: Mr. H. C. Halupka
	_ Mailing Address: P. O. Box 340, Hopewell, VA 2386
•	Mailing Address: R#1, Box 110, Col. Heights, VA
WELL LOCATION: County Chesterfield	Approx. 3 XXXXXX east (direction) of
• • • • • • • • • • • • • • • • • • •	miles south (direction) of St. Rt. 10
·	TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: June 1970	DATE COMPLETED: June 1970
TYPE OF DRILL RIG USED: cable tool	TOTAL DEPTH 372 feet
WATER LEVEL: Stands 140 feet below	surface <u>OR</u>
has NATURAL flow of	gallons per minute.
YIELD TEST: Methodpumped :	HOLE SIZE:tnches fromtofeet
Drawdown 68 feet	inches fromtofeet
pumped @ 96 gal. per min.	inches fromtofeet
Duration 8 hrs., 0 min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: fromtofeet	inches fromtofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 8 inches from 0 to 279 811 feet
WATER: Color clear Toste good	6inches from_11'4'10336'7'' feet
Odor <u>none</u> Temp	inches fromtofeet
WELL TO SUPPLY:(check one) Home	GROUTING: Method
FarmTownSchool	Material Depth feet
IndustryOther tree nursery	PUMP: Type
WATER ANALYSIS AVAILABLE Yes No X	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes 37 No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNIS	HED FREE OF CHARGE UPON REQUEST.)
ARKS: Well for irrigation purpose only.	Tock refinination. I sample for each 10'

drilling; 37 samples submitted.

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

C-196
Page 1 of 1 Well Repository No: 3088

Date rec'd: 2/16/71; processed 2/19/71 Sample Interval: from 0 to: 372'

PROPERTY: Continental Can Co. Well 6 Number of samples: 37

COMPANY: Mitchell's Well & Pump Co. Total Depth: 372'

COUNTY: Chesterfield (Walthall) Oil or Gas: Water: x Exploratory:

From - To	From - To	From - To	From - To
0 - 10	250 - 260	3 = 2	4 - 2
10 - 20	260 - 270	_	_
20 - 30	270 - 280	Omes:	_
30 - 40	280 - 290	. week	_
40 - 50	290 - 300		-
50 - 60	300 - 310	~	
60 - 70	310 - 320	-	_
70 - 80	320 - 330	_	
80 - 90	330 - 340	=	_
90 - 100	340 - 350	-	=
100 110	250 2/0		
100 - 110	350 - 360	-	-
110 - 120	360 - 372	-	-
120 - 130	-	-	-
130 - 140	-	v="	-
140 - 150	-	s.	-
150 - 160	-	-	-
160 - 170	(-)	P=-	_
170 - 180	_	s —	
180 - 190	; - i	-	-
190 - 200	-	YE.	-
200 210			
200 - 210	=	-	=
210 - 220	-	-	-
220 - 230	i=:	-	-
230 - 240	-	-	_
240 - 250		s -	-

All intervals have both washed and unwashed samples

OWNER: Continental Can Co. (#6)
DRILLER: Mitchell's Well & Pump Co.

COUNTY: Chesterfield (Walthall)

VDMR # 3088 WWCR # 196 TOTAL DEPTH: 372'

GEOLOGIC LOG

Depth
(feet)

COLUMBIA GROUP (0-80')

0-10	Sand - fine to very coarse-grained; sparse binder of reddish-brown clay
10-20	n .
20-30	Sand - fine-grained, well sorted; sparse binder of tan clay
30-40	Sand - fine-grained, well sorted; moderately abundant matrix of dark, brownish-gray clay
40-50	Sand - fine- to very coarse-grained, poorly sorted; 5% fine-grained gravel (2-10 mm); sparse binder of orange-brown clay
50-60	Sand - fine- to very fine-grained, well sorted; sparse binder of pale reddish-orange clay
60-70	iπ
70-80	U

CALVERT FORMATION (80-115')

80-90	Silt - well sorted; firmly bound by brown and dark-gray clays
90-100	Clay - bluish-gray, compact fo fissile; fine-grained pyrite common
100-110	Clay - light-gray, compact; with laminae of brown, clayey micaceous silt; phosphorite nodules common; minor amount of pyrite
110-115	Sand - fine to coarse, poorly sorted, clayey; quartz and reworked phosphorite

MATTAPONI FORMATION (115-130')

115-120	Sand - greenish-gray, silty and clayey, fine- to very fine- grained, well sorted; slightly to moderately glauconitic; slightly pyritic and micaceous
120-130	Silt - greenish-brown, slightly clayey, very well sorted; slightly to moderately glauconitic; muscovite common
PATUXENT F	ORMATION (130-220')
130-140	Sand - moderately abundant matrix of pale-gray clay; 10-15% fine-grained, feldspathic gravel; sand is fine- to very coarse-grained, poorly sorted, feldspathic
140-150	11
150-160	11
160-170	Sand - white, clean; fine- to very coarse-grained, poorly sorted; with 10% fine-grained gravel; feldspathic
170-180	Clay, sand, and lignite - drab brown clay, and coarse- grained, feldspathic sand with abundant matrix of drab brown clay; numerous laminae of lignitic material; a few pyrite concretions
180-190	Gravel, sand, and clay - coarse sand and fine gravel in abundant matrix of drab grayish-brown clay; sand- gravel is feldspathic and lithic
190-200	Sand, clay, and gravel - coarse, poorly sorted, angular sand and fine-grained gravel in abundant matrix of dark-gray lignite-bearing clay; sand and gravel comprise quartz, feldspar, and a variety of metamorphic rock fragments
200-210	Sand - fine- to very coarse-grained, moderately sorted; feldspathic; moderately abundant matrix of light-gray clay
210-220	Sand - fine- to very coarse-grained, poorly sorted; slightly feldspathic; abundant matrix of yellowish-green clay; 5% fine-grained quartzo-lithic gravel

PETERSBURG	G GRANITE (220-372')
220-230	Saprolite- biotite-bearing multicolored clay with abundant angular quartz and decomposed feldspar
230-240	TI .
240-250	very micaceous (biotite and muscovite); abundant feldspar
250-260	Saprolite - green; biotite abundant; quartz and feldspar relatively scarce (mafic dike?)
260-270	Saprolite - gray; biotite extremely abundant; quartz, feldspar, and muscovite subordinate (mafic dike?)
270-280	Biotite granite - quartz, feldspar, biotite, and muscovite; iron-stained
280-290	π
290-300	Biotite gneiss - fairly fresh biotite predominant; muscovite, quartz, and feldspar subordinate (schlieren?)
300-310	Biotite granite - quartz, feldspar, biotite, and muscovite
310-320	with less biotite and muscovite
320-330	tt tt
330-340	п ш
340-350	Biotite granite - quartz and feldspar, with subordinate amounts of biotite and muscovite; iron-stained
350-360	π
360-372	Biotite granite - feldspar, quartz, biotite, and accessory muscovite; fresh
	GEOLOGIC SUMMARY
Depth	
(feet)	Rock Name Age
0-80	Columbia Group Pleistocene
80-115	Calvert Formation Middle Miocene
115-130	Mattaponi Formation Paleocene-Early Cretaceous
130-220 220-372	Patuxent Formation Early Cretaceous Petersburg Granite Paleozoic (?)
220-312	reference (:)

Virginia Division of Mineral Resources Robert H. Teifke - Geologist March 2, 1971

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amount of pyrite

reworked phosphorite

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	grained, well sorted; slightly to moderately glauconitic;
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120-130 Silt - greenish-brown, slightly clayey, very well sorted; slightly to moderately glauconitic; muscovite common

PATUXENT FORMATION (130-220')

130-140		Sand - moderately abundant matrix of pale-gray clay; 10-15%
	1.5	fine-grained, feldspathic gravel; sand is fine- to very
		coarse-grained, poorly sorted, feldspathic

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Mattaponi Formation

Patuxent Formation

Petersburg Granite

115-130

130-220

220-372

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Early Cretaceous

Paleozoic (?)

Paleocene-Early Cretaceous