VDMR Well No. 2561 County: Powhatan

Well: 2561

Property: Commonwealth of Virginia

Driller: Froehling & Robertson, Inc.

Location: On State Road 711, .66 mile northwest of intersection with

State Road 652.

Elevation: 208 feet.

Total Depth: 98.5 feet

Started drilling: June, 1969 Completed drilling: June, 1969

Sample description by: B.K. Goodwin, College of William & Mary, July, 1969

GEOLOGIC LOG

Depth in feet			
GRAVEL AND ALI	LUVIUM (0 - 35°)		
0 - 5	Clay mottled reddish-brandy, a few rounder		rown, silty,
5 - 10	Silt indian red, sandy	, a few small rounded	d quartz pebbles
10 - 15	Silt reddish-brown, cla quartz pebbles	ayey, very few small	rounded
15 - 20	Silt yellowish-brown,	clayey, micaceous	
20 - 25	Silt yellowish-brown,	clayey, carbonaceous	flakes
25 - 30	Silt dark brown, claye	y, carbonaceous flak	es, micaceous
30 - 35	Clay indian red and ye	llowish-brown, carbo	naceous lenses
NEWARK GROUP	(35 - 95")		
35 - 40	Silt dark tan, very co- decomposed feldspa		quartz and
40 - 45	Granite gray, decompos	ed	
45 - 50	Granite tan, decompose	d	
55 - 60	11		
60 - 65	ñ		
65 - 70	Silt tan, clayey, mica	ceous, minor very fi	ne-grained sand

70 - 75	Silt reddish-brown, clayey, very coarse sand grains, quartz and decomposed feldspar
75 - 80	Granite tan, decomposed
80 - 85	Silt yellowish-brown, sandy with decomposed feldspar
85 - 90	Granite brown, decomposed
90 - 95	Granite light brown, decomposed

GEOLOGIC SUMMARY

	Rock Unit	Age	
0- 35 35 ⁻ 95 -	Gravel and alluvium Petersburg granite	Tertiary (?) Late Paleozoic (?)	J
0 - 35 35 - 40	clay and silt highly decomposed granite	7	
40 - 65	decomposed granite	_	
75 - 95	highly decomposed granite decomposed granite		

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VDMR Well No. 2561 County: Powhatan

0 - 75 Eilt --- xaddich-brown, clayev, very coarse sand crains, cuartz and decomposed feldspar

Well: 2561

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Elevation: 208 feet Total Depth: 98.5 feet

Started drilling: June, 1969

Sample description by: B. K. Goodwin, College of William & Mary, July, 1969

GEOLOGIC LOG

Depth in feet	Age	Rock Imic
GRAVEL AND A	LLUVIUM (0 - 35')	35 Gravel and alluvium
0 - 5	Clay mottled reddish-brown and y a few rounded quartz pebbles	vellowish-brown, silty, sandy,
5 - 10	Silt indian red, sandy, a few sm	all rounded quartz pebbles
10 - 15	Silt reddish-brown, clayey, very pebbles	few small rounded quartz
15 - 20	Silt yellowish-brown, clayey, mi	caceous
20 - 25	Silt yellowish-brown, clayey, ca	rbonaceous flakes
25 - 30	Silt dark brown, clayey, carbona	ceous flakes, micaceous
30 - 35	Clay indian red and yellowish-br	own, carbonaceous lenses
NEWARK GROUP	(35 - 95')	
35 - 40	Silt dark tan, very coarse-grain decomposed feldspar	ed sand of quartz and
40 -445	Granite gray, decomposed	
45 - 50	Granite gray, decomposed	
55 - 60	Ü.	
60 - 65	Tr.	
65 - 70	Silt tan, clayey, micaceous, min	or very fine-grained sand

VDMR Well No. 2561 County: Powhettan

70 - 75	Silt reddish-brown, clayey, very coarse sand grains, quartz and decomposed feldspar
75 - 80	Granite tan, decomposed
80 - 85	Silt yellowish-brown, sandy with decomposed feldspar
85 - 90	Granite ==- tbrownodecomposed
90 - 95	Elevation: 208 feet Total Depth: 98.5 feet Started drilling: June, 1969
6961	Sample description by: B. K. Goodwin, College of William & Mary, July, .

GEOLOGIC SUMMARY

CHOLOGIC LOC

Rock Unit	Age	Depth in feet
0 - 35 Gravel and alluvium	Tertiary (?)	CRAVEL AND
35 - 95 Petersburg granite	Clay mottled reddish-brown and a few rounded quartz pebbles	0 - 5
small rounded quartz pebbles	Bilt indian red, sandy, a few a	5 - 1.0
ry few small rounded quartz	Silt reddish-brown, clayey, ver pebbles	10 - 15
micaceous	Silt yellowish-brown, clayey, n	15 - 20
carbonaceous fääkes	Silt yellowish-known, clayey, c	20 - 25
naceous flakes, micaceous	Silt dark brown, clayey, carbon	25 - 30
brown, carbonaceous lenses	Clay indian red and yellowish-h	30 - 35
	P (35 - 95')	NEWAJEK GROU
ined sand of quarts and	Silt d&rk tan, very coarse-grai decomposed feldspar	35 - 40
	Granite gray, decomposed	40 -460
	Granite gray, decomposed	45 - 50
	п	55 - 60
	и	60 - 65
inor very fine-grained sand	Silt tan, clayey, micaceous, mi	65 - 70

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

INTERVAL SHEET

Page 1 of 1 Well Repository No.: W- 2561

Date rec'd: Date Processed: 1-14-71 Sample Interval: from 4.0 to: 95.0

PROPERTY: Commonwealth of Virginia Number of samples: 38

COMPANY: Froehling & Robertson, Inc. Total Depth: 98.5

COUNTY: Powhatan Oil or Gas: Water: Exploratory:X

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From-To	From-To	From-To	From-To	From-To
	20.00			
4.0 - 4.5	64.5- 65.0	. •	-	-
4.5 - 5.0	69.0 - 69.5	-	· -	-
9.0 - 9.5	69.5 - 70.0	-	-	-
9.5 - 10.0	74.0 - 74.5	7	-	-
14.0 - 14.5	74.5 - 75.0	•	-	-
14.5 - 15.0	79.0 - 79.5	-	-	-
19.0 - 19.5	79.5 - 80.0	-	-	-
19.5 - 20.0	84.0 - 84.5	-	-	-
24.0 - 24.5	84.5 - 85.0	-	-	-
24.5 - 25.0	89.0 - 89.5	-	-	(may):
29.0 - 29.5	89.5 - 90.0	-	-	-
29.5 - 30.0	94.0 - 94.5	-	-	=
34.0 - 23.5	94.5 - 95.0		_	=
34.5 - 35.0	_	-	_	-
39.0 - 30.5	-	-	-	-
39.5 - 40.0	-	-	_	=
44.0 - 44.5	· -	-		_
44.5 - 45.0	-	-	_	-
49.0 - 49.5	-	-	_	-
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54.0 - 54.5	< <u>-</u> -	-	-	-
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INTERVAL SHEET

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COMPANY: Froehling & Robertson, Inc. Total Depth: 98.5

COUNTY: Powhatan Oil or Gas: Water: Exploratory:X

From-To	From-To	From-To	From-To	From-To
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4.5 - 5:0	69.0 - 69.5	·	-	-
9.0 - 9.5	69.5 - 70.0	· ·	· · · · · · · · · · · · · · · · · · ·	-
9.5 - 10.0	74.0 - 74.5	-	-	
14.0 - 14.5	74.5 - 75.0	-	-	-
14.5 - 15.0	79.0 - 79.5		-	-
19.0 - 19.5	79.5 - 80.0	-	-	-
19.5 - 20.0	84.0 - 84.5	·-	-	100
24.0 - 24.5	84.5 - 85.0	-	- ;	-
24.5 - 25.0	89.0 - 89.5	-	- }	-
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29.0 - 29.5	89.5 - 90.0	•	, -	=
29.5 - 30.0	94.0 - 94.5	-	· · · · · · · · · · · · · · · · · · ·	
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INTERVAL SHEET

Page | of |

Well Repository No: 2561

Date rec'd:

; processed 1-14-71

Sample Interval: from 4.0 to: 95.0

PROPERTY: Commonwealth of Virginia

Number of samples: 38

COMPANY: Froehling + Robertson, Inc.

Total Depth: 98.5

COUNTY: Powhoton

Oil or Gas: Water: Exploratory!

/ <u>_</u>	(22) (023)		
From-To	From-To	From-To	From-To
4.0 - 4.5 4.5 - 5.0 9.0 - 9.5 9.5 - 10.0	69.5 65.0 69.0 69.5 69.5 70.0 74.0 74.5	-	-
14.0 - 14.5	74.5 75.0		=
14.5 _ 15.0 19.0 - 19.5 19.5 - 20.0 24.0 - 24.5 24.5 - 25.0	79.0 79.5 79.5 80.6 84.0 84.5 84.5 85.0 89.0 89.5	-	-
	V /	-	-
29.0 - 29.5 29.5 - 30.0 34.0 - 34.5 34.5 - 35.0 39.0 - 39.5	89.5 90.0 94.0 94.5 94.5 95.0		= " = ; = ;
39.5-40.0	٠ <u>-</u>	-	<u>.</u>
44.5-45.0	. 	. 5	·
49.0 - 49.5	a 3€ ** •=	= -	-
EMA EUS			
59.5 55.0			-
59.0 59.5	-	-	-
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