INTERVAL SHEET

WWCR #85

Page	1	VDMR Well No.: Well No. 1330			
	7/7/65	Sa	ample In	terval: from 0 to	220
PROP:	Easthampton Rubber Thre	ead To	otal dep	th_ 224	,
COMP:	Company - Well #9 Sydnor Pump & Well Co.	0:	ilGa	asWater_X_Explora	tory
COUNTY:	Patrick (Stuart)	Cı	uttings	X CoreOther_	
VDMR	Well No: W-1330			samples	
From-To	From-To	From	n-To	From-To	From-To
_		0.	. 33	_	_
_	-	33 -	40	_	-
-	=	40		=	-
-	, - ,	50		-	-
-	-	60		-	-
_	_	70.	. 80	_	_
_	s=-	80.	- 90	-	_
_)(-)		- 100	-	-
_	_	100		-	_
-	-		120	-	-
_	_	120	- 130	-	_
-	-	130	- 140	-	
=	9 - 8	140	150	-	-
-		150	160	×	-
-	· -	160	170	-	=
_	-	170	- 180	141	-
-	5.	180	- 190	-	=
-	<u>~</u>	190	200	-	-
-	-	200	210	-	-
-		210	220	-	- ,
-	=	220	224 N	No sample _	-
-	-		-	/ -	-
-	-		- 51	-	-
-	-			-	-
-	-	9	-	-	-
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OWNER: Easthampton Rubber Thread Co. - Well #9

DRILLER: Sydnor Pump and Well Co., Inc.

COUNTY: Patrick (Stuart)

VDMR #1330 WWCR #85 TOTAL DEPTH: 224'

GEOLOGIC LOG

0-33	Gneiss — medium-light-gray, grain size 0.25 - 3.0 mm; quartz, microcline, plagioclase, biotite; minor amphibole chlorite, sphene; trace pyrrhotite, magnetite and calcite; thin lamina dark-blue-gray, very-fine-grained, carboniferous, carbonates (the sample does not agree with drillers log).		
33-40	As above — iron stained in part.		
40-50	Gneiss — white and black, 0.5-2.0 mm grain size; sugary; microcline, oligoclase, quartz, biotite, chlorite, muscovite; minor calcite, zircon, and pyrrhotite.		
50-60	As above.		
60-70	As above — less biotite.		
70-80	As above — more biotite, minor fractures recemented with sericite and chlorite.		
80-90	Gneiss — medium-light-gray, grain size 0.5 to 10.0 mm; alkali feldspar, quartz, oligoclase, biotite; trace calcite; slight concentration biotite in some layers.		
90-100	As above — less layering.		
100-110	Hornblende Gneiss — medium-dark-gray, grain size 0.25 to 2.0 mm; hornblende, plagioclase, quartz, epidote; minor biotite, alkali feldspar, actinolite.		
110-120	As above.		
120-130	Biotite, Hornblende, and Actinolite Gneisses — medium-light-gray, medium-dark-gray, and pale-green, respectfully bedded; grain size 0. 1 to 5.0 mm; biotite gneiss: quartz, microcline, biotite, minor anorthoclase, oligoclase, hornblende, epidote, and calcite; hornblende gneiss: as above, with major hornblende; actinolite gneiss: quartz, alkali feldspar, actinolite, chlorite, epidote, and calcite; porphyroblasts: oligoclase, alkali feldspar, and quartz; trace dark-blue-gray, fine-grained, carbonaceous,		

carbonates layers; minor pyrite throughout.

OWNER:	Easthampton Rubber Thread Co., Well #9 #1330
130-140	Biotite Gneiss — medium-light-gray, grain size 0.25-1.0 mm; quartz, alkali feldspar, biotite, muscovite, oligoclase; minor hornblende actinolite, epidote, sphene, calcite.
140-150	As above — slightly coarser, minor chlorite rich lamina.
150-160	As above — slightly coarser, more pyrite.
160-170	As above — slightly less biotite, fine-grained.
170-180	As above.
180-190	Gneiss — light-gray, grain size 0.1 to 1.0 mm; quartz, plagioclase, biotite; minor calcite, garnet, epidote, sphene, hornblende, and pyrrhotite.
190-200	As above — minor muscovite, no observable garnet.
200-210	As above — with minor hornblende gneiss.
210-220	As above — only trace hornblende gneiss.
220-224	No sample.

GEOLOGIC SUMMARY

ROCK UNIT		TIME ROCK UNIT	
0-220	Biotite Gneiss	Questionable	
220-224	No sample		

Virginia Division of Mineral Resources Hollis N. Walker, Geologist July 21, 1965