INTERVAL SHEET

WWCR 74 VDMR Well No.:____1387 Page____1 Date__10/6/65_____ Sample Interval: from 0 to 400 PROP: Easthampton Rubber Thread Co. Total depth 400 # 10 Oil___Gas__Water_X Exploratory____ COMP: Sydnor P & W Co. Cuttings X Core Other COUNTY: Patrick (Stuart) VDMR WELL NO: W-1387 WASHED SAMPLES From-To From-To From-To From-To From-To 0 _ 28 28 _ 30 No Sample 30 _ 50 50 - 70 70 - 90 90 - 110 110 - 130 130 - 150 150 - 170 170 - 190 190 - 210 210 - 230 230 - 250 250 - 270 270 - 285 285 - 300 300 - 320 320 - 340 340 - 360 360 - 380 380 - 400

OWNER: Easthampton Rubber Thread Co. Well # 10

DRILLER: Sydnor Pump & Well Co., Inc. COUNTY: Patrick (Stuart)

VDMR WELL # 1387 WWCR WELL # 74 TOTAL DEPTH: 400

GEOLOGIC LOG

Lynchburg Formation (0-400')

0-28	Weathered Gneiss - light brown, white and medium gray; average grain size 0.25 to 2 mm; alkali-feldspar, quartz, biotite, hornblende, epidote, muscovite, minor apatite, calcite, oligoclase, zircon and sphene, iron-oxide stain.
28-30	No Sample (top of bedrock in this interval).
30-50	Calcareous Gneiss - white, very pale-gray to medium gray; average grain size 0.25 to 1.5 mm, banded; quartz, microcline, augite, hornblende, sphene biotite, calcite, epidote minor apatite, garnet and pyrrhotite; slight iron-oxide stain and kaolinization along fractures.
50-70	As above - less fracturing, more garnet, minor vein quartz.
70-80	As above - no iron-oxide stain.
90-110	As above - a small portion of sample is rich in biotite.
110-130	As above - minor fractures with iron-oxide stain.
130-150	As above - less biotite and iron-oxide.
150-170	Gneiss - white to medium gray, average grain size 0.25- 1.5 mm; microcline, quartz, hornblende, biotite, oligoclase, epidote, apatite, minor pyroxene, sphene and zircon; trace calcite and pyrrhotite; minor vein epidote.
170-190	As above
190-210	As above - more epidote.
210-230	Gneiss - light to medium gray; average grain size 0.5 to 1 mm; quartz, microcline, biotite, oligoclase, muscovite, trace calcite; minor light brownish-gray, fine grained, quartz-sericite schist; trace vein epidosite.
230-250	As above - less epidosite.
250-270	As above - no quartz-sericite schist, more epidote.
270-285	As above - less epidote.
	Zone of Leucocratic Veins (estimated contact 290-400)
	28-30 30-50 50-70 70-80 90-110 110-130 130-150 150-170 170-190 190-210 210-230 230-250 250-270

OWNER:	Easthampton	Rubber	Thread	Co.	Well	#	10	
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#1387

285-300	Feldspathic Vein and Gneiss - very light-gray, extremely coarse-grained; microcline, albite, dusty quartz, minor sericite and biotite, trace calcite and epidote; one-third of sample is gneiss as described above; slight iron stain and kaolinization.
300-320	As above - no gneiss
320-340	Gneiss - light to medium gray, average grain size 0.3 to 1 mm; alkali feldspar, quartz, biotite, plagioclase, sericite, trace calcite; minor amount of vein material as above; slight iron-oxide stain.
340-360	As above - only a trace of vein material or iron stain.
360-380	As above - slightly more iron stain.
380-400	As above - much more feldspar, probably vein material (cuttings are too fine for structural observations), minor pyroxene.

GEOLOGIC SUMMARY

This well is in the Lynchburg Formation, the upper part of which is slightly calcareous, and a zone of Feldspathic veins occurs from 290-400 feet. These veins are apparently water bearing in the upper portion of this zone.

Virginia Division of Mineral Resources Hollis N. Walker, Geologist October 18, 1965