

INTERVAL SHEET

WWCR 79

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VDMR Well No.: Well No. 1327

Date 7/6/65

Sample Interval: from 132'8" to 350

PROP: Easthampton Rubber

Total depth 361

Thread Co. #3

COMP: Sydnor Pump & Well Co.
Southern Drilling Company

Oil Gas Water Exploratory

COUNTY: Patrick (Stuart)

Cuttings Core Other

VDMR Well No: W-1327

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 132'8"	No sample	-
-	-	132'8"	134'10"	-
-	-	134'10"	148'	-
-	-	148	- 166	-
-	-	166	- 167	-
-	-	167	- 171	-
-	-	171	- 176	-
-	-	176	- 178	-
-	-	178	- 188	-
-	-	188	- 194	-
-	-	194	- 195	No sample
-	-	195	- 206	-
-	-	206	- 220	-
-	-	220	- 230	-
-	-	230	- 240	-
-	-	240	- 250	-
-	-	250	- 260	-
-	-	260	- 270	-
-	-	270	- 280	-
-	-	280	- 290	-
-	-	290	- 300	-
-	-	300	- 310	-
-	-	310	- 320	-
-	-	320	- 330	-
-	-	330	- 340	-
-	-	340	- 350	-
-	-	350	- 361	No sample
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER: Easthampton Rubber Thread Company - Well #3
DRILLER: Southern Drilling Company
COUNTY: Patrick (Stuart)

VDMR #1327
WWCR #79
TOTAL DEPTH: 361'

GEOLOGIC LOG

- 0-132'8" No sample.
- Biotite Gneiss (132'8" - 350')
- 132'8"-134'10" Gneiss — light-gray, slight iron oxide stains, very-coarse-grained; quartz, alkali feldspar, oligoclase, mica, hornblende pyroxene; minor sphene, epidote, calcite, apatite, zircon, garnet and staurolite.
- 134'10"-148 As above.
- 148-166 Gneiss — very-light- to medium-gray, lighter portions; very-coarse-grained; feldspar and quartz; medium-gray richer in muscovite, hornblende; minor calcite, ilmenite, garnet, staurolite, pyroxene.
- 166-167 Solution Channel in Gneiss — as above, with rounded fragments of quartz and gneiss; iron stained.
- 167-171 Gneiss — as above; no rounded fragments, abundant iron oxide stain.
- 171-176 Gneiss — medium-light-gray, coarse-grained (too finely ground to observe structure); quartz, alkali feldspar, muscovite, hornblende, augite, calcite, biotite, epidote, sphene; minor iron oxide stain.
- 176-178 As above — less iron oxide stain; less calcite.
- 178-188 As above.
- 188-194 As above.
- 194-195 No sample.
- 195-206 Gneiss — very-light-gray to medium-dark-gray; quartz, alkali feldspar, oligoclase, calcite, hornblende, pyroxene, sphene; minor apatite, and pyrrhotite.
- 206-220 Feldspar Lens — almost white, very-coarse-grained; alkali feldspar, oligoclase, quartz, calcite, zoisite; minor muscovite, biotite, augite, and pyrrhotite.

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- 220-230 Epidote Gneiss — pale-grayish-green; average grain size 0.1 to 1.0 mm; quartz, epidote, calcite, feldspar, biotite, muscovite; minor sphene, pyroxene, garnet.
- 230-240 Epidote Gneiss — light-gray, grain size 0.1 to 1.0 mm; epidote, quartz, alkali feldspar, oligoclase, pyroxene, zoisite, calcite; minor hornblende, biotite, muscovite; trace pyrrhotite, and magnetite.
- 240-250 As above.
- 250-260 As above.
- 260-270 Epidote Gneiss — light-gray, average grain size 0.5 mm; epidote, quartz, garnet, pyroxene, feldspar; minor sphene, and hornblende.
- 270-280 Feldspar Gneiss — very pale-yellow-green, very-coarse-grained (some over 10.0 mm); alkali feldspar, oligoclase, quartz; minor epidote, hornblende, muscovite; trace pyrrhotite.
- 280-290 Gneiss — cream-colored, very-coarse-grained; feldspar, quartz; minor biotite, apatite, pyroxene, hornblende, sphene; trace zircon and pyrrhotite.
- 290-300 As above — less quartz; more pyrrhotite.
- 300-310 Gneiss — greenish-white to medium-dark-gray; 0.25 mm to very-coarse-grained, banded; alkali feldspar, quartz, oligoclase, biotite, muscovite; minor pyroxene, epidote, pyrite, and pyrrhotite.
- 310-320 As above — less banding.
- 320-330 Biotite Gneiss — medium-gray, average grain size 1.0 mm; feldspar, biotite, quartz; trace apatite, pyrrhotite, and calcite.
- 330-340 As above.
- 340-350 As above — less biotite; minor pyroxene and sphene.
- 350-361 No sample.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-132'8"	No sample	
132'8"-350	Biotite Gneiss	Questionable
350-361	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
July 15, 1965