

INTERVAL SHEET

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VDMR Well No: 1532

Date rec'd: 3/23/66

Sample Interval: from 101 to 500

PROP: Speed & Briscoe, Well #1

Number of samples: 39

COMP: Sydnor Pump & Well Co.

Total Depth: 500

COUNTY: Hanover (Ashland)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 101	No Samples	400 - 410	-
101 - 110	410 - 420	-	-
120 - 130	420 - 430	-	-
130 - 140	430 - 440	-	-
140 - 150	440 - 450	-	-
150 - 160	450 - 460	-	-
160 - 170	460 - 470	-	-
170 - 180	470 - 480	-	-
180 - 190	480 - 490	-	-
190 - 200	490 - 500	-	-
200 - 210	-	-	-
210 - 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 - 360	-	-	-
360 - 370	-	-	-
370 - 380	-	-	-
380 - 390	-	-	-
390 - 400	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Speed and Briscoe, Well #1
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Hanover (Ashland)

VDMR #1532
WWCR #85
TOTAL DEPTH: 500'

GEOLOGIC LOG

0-101	No samples.
101-110	Granodiorite Gneiss -- black and white, coarse-grained; oligoclase, quartz, potash feldspar, biotite, chlorite, hornblende; minor apatite and sphene.
110-120	No sample.
120-130	Gneiss -- black and white, coarse-grained, oligoclase, quartz, white potash feldspar, chlorite, biotite, hornblende.
130-140	trace sphene and pyrite.
140-150	potash feldspar is pale pink.
150-160	"
160-170	"
170-180	"
180-190	"
190-200	trace iron oxide stain.
200-210	"
210-220	"
220-230	Gneiss -- white and black, minor pale-pink, coarse-grained; plagioclase, potash feldspar, quartz, chlorite, biotite, trace sphene, pyrite and epidote.
230-240	"
240-250	trace iron oxide stain.
250-260	"
260-270	Gneiss -- white and black, minor pale-pink, coarse-grained, banded, plagioclase, potash feldspar, quartz, chlorite, biotite, hornblende; trace sphene, vein calcite.
270-280	"
280-290	trace iron oxide stain.

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- 290-300 Biotite Gneiss — black and white, coarse-grained, banded, biotite, plagioclase, quartz, potash feldspar, chlorite; trace hornblende, sphene and pyrite.
- 300-310 Gneiss — white and black minor pale-pink, banded, coarse-grained; plagioclase, quartz, potash feldspar, biotite, chlorite; trace hornblende pyrite, calcite and garnet.
- 310-320 "
- 320-330 "
- 330-340 no garnet.
- 340-350 "
- 350-360 trace sphene.
- 360-370 Fractured Gneiss — white, black and cream, coarse-grained; feldspar, quartz, biotite, chlorite; trace pyrite, garnet and sphene; minor cream-colored mylonite with minute crystals of pyrite, zeolite vein fillings and vein calcite.
- 370-380 Gneiss — white and black, coarse-grained; feldspar, quartz, biotite, chlorite; trace hornblende and sphene; minor contamination with rounded quartz pebbles, shell material and lumps of mud.
- 380-390 Gneiss — white, black and pale-pink, coarse-grained; plagioclase, potash feldspar, biotite, chlorite; minor calcite and hornblende; trace pyrite garnet, epidote and sphene; trace mylonite, zeolite crystals and iron oxide stain.
- 390-400 Gneiss — white and black, coarse-grained, feldspar, quartz, chlorite, biotite; trace hornblende garnet, pyrite, epidote, and mylonite.
- 400-410 Gneiss — cream, black, minor pale-pink; coarse-grained; feldspar, quartz, chlorite, biotite, hornblende; minor pyrite garnet, calcite; trace sphene.
- 410-420 contaminated with a petroleum product.
- 420-430 no contamination; minor pale-green mylonite.
- 430-440 minor zeolites
- 440-450 no mylonite or zeolite crystals; minor euhedral vein pyrite.

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450-460	Gneiss — white and black, coarse-grained; feldspar quartz, biotite, chlorite, trace garnet and calcite.
460-470	"
470-480	"
480-490	minor hornblende.
490-500	"

GEOLOGIC SUMMARY

These samples are of granodioritic to granitic gneiss. They may be part of the Petersburg granite or one of the gneissic formations. Age - uncertain.

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
March 29, 1966