

INTERVAL SHEET

WWCR 276

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VDMR WELL NO.: Well No. 1210

Date 1/8/65

Sample Interval: from 0 to 577

PROP: Hylton Enterprises Well #11
(Dale City Sub. #1)

Total Depth 577

COMP: Leazer Well & Pump Co.

Oil Gas Water Exploratory

COUNTY: Prince William (Woodbridge)

Cuttings Core Other

VDMR WELL NO: W-1210

| From-To | From-To | From-To | From-To | From-To |
|-------------|-------------|---------|-------------------|---------|
| 0 - 10 | 300 - 310 | - | - | - |
| 10 - 20 | 310 - 320 | - | No washed samples | - |
| 20 - 30 | 320 - 330 | - | - | - |
| 30 - 40 | 330 - 340 * | - | - | - |
| 40 - 50 | 340 - 350 | - | - | - |
| 50 - 60 | 350 - 360 | - | - | - |
| 60 - 70 | 360 - 370 | - | - | - |
| 70 - 80 | 370 - 380 | - | - | - |
| 80 - 90 | 380 - 390 | - | - | - |
| 90 - 100 | 390 - 400 | - | - | - |
| 100 - 110 | 400 - 410 | - | - | - |
| 110 - 120 | 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 | 500 - 510 | - | - | - |
| 210 - 220 | 510 - 520 | - | - | - |
| 220 - 230 | 520 - 530 | - | - | - |
| 230 - 240 | 530 - 540 | - | - | - |
| 240 - 250 * | 540 - 550 | - | - | - |
| 250 - 260 | 550 - 560 | - | - | - |
| 260 - 270 | 560 - 570 | - | - | - |
| 270 - 280 | 570 - 577 | - | - | - |
| 280 - 290 | - | - | - | - |
| 290 - 300 | - | - | - | - |

* No sample

OWNER: Lomond Water Corporation Well #11
Hylton Enterprises (Dale City Sub. #1)
DRILLER: Leazer Well and Pump Company
COUNTY: Prince William (Woodbridge)

VDMR #1210
WWCR #276
TOTAL DEPTH: 577'

GEOLOGIC LOG

0-10 Overburden - sand, gravel, clay, light yellow brown, very fine to very coarse grained, sand, angular to sub-rounded, gravel, subrounded, red, gray, brown, clay layers.

10-20 As above - more orange in color, and with micaceous rock fragments.

20-30 Overburden - clay, yellowish gray with minor orange, minor sand, angular, fine to medium grained, micaceous rock fragments.

30-40 As above - with chloritic layer, less sand.

40-50 As above - fewer rock fragments.

50-60 Clay and Gravel - buff, medium gray, white and pale yellow brown, clay yellow brown, gravel up to one-inch composed of quartz, quartzite and schistose quartzite.

60-70 Gravel - medium gray, coarse (1/4 to 1-5/8 inch) sub-angular, quartz, quartzite and quartzite-biotite-schist with amphibole and blue quartz.

70-80 As above - largest pebble one inch.

80-90 As above - one pebble 2 inches long.

90-100 Quartzite-Schist - medium-light to medium-dark gray, medium to fine grained, quartz, biotite, epidote, muscovite, calcite, amphibole, vein quartz.

100-110 As above - only trace vein quartz, minor calcite veins.

110-120 As above - minor vein quartz, more calcite.

120-130 Quartzite-Schist - medium light gray, fine grained and medium dark gray, medium grained, quartz, biotite, chlorite, muscovite, plagioclase, calcite, chlorite, epidote, amphibole, minor blue quartz, the lighter material is foliated and porous, and the darker is dense and rich in calcite.

OWNER: Lomond Water Corporation Well #11 (Continued) #1210
Hylton Enterprises (Dale City Sub. #1)

- 130-140 Quartzite-Schist - medium light gray, fine grained and medium dark gray, medium grained, quartz, biotite, chlorite, muscovite, plagioclase, calcite, chlorite, epidote, amphibole, minor blue quartz, the lighter material is foliated and porous and the darker is dense and rich in calcite, with tourmaline and pyrite.
- 140-150 As above.
- 150-160 As above.
- 160-170 Quartzite-Schist - medium light gray, medium fine grained, quartz, biotite, chlorite, calcite, plagioclase, amphibole, epidote, tourmaline, pyrite, the more foliated portion of the sample is porous and friable.
- 170-180 As above - with a chlorite rich layer.
- 180-190 Quartz Schist - medium light gray, medium fine grained, quartz, biotite, chlorite, amphibole, epidote, calcite, minor tourmaline, siderite, pyrite, porous.
- 190-200 As above.
- 200-210 As above.
- 210-220 As above.
- 220-230 As above.
- 230-240 As above - with a few rounded pebbles iron stained quartz.
- 240-250 No sample.
- 250-260 Quartz Schist - medium light gray, medium fine grained, foliated, quartz, biotite, chlorite, amphibole, epidote, calcite, pyrite, porous, a few of the fragments are rounded.
- 260-270 As above - more rounded fragments and with pebbles of iron stained quartz.
- 270-280 Quartz Schist - medium light gray, medium fine grained, foliated, quartz, biotite, chlorite, amphibole, epidote, calcite, pyrite, tourmaline, minor blue quartz pebbles.
- 280-290 As above.

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#1210

- 290-300 Quartz Schist - medium light gray, medium fine grained, foliated, quartz, biotite, chlorite, amphibole, epidote, calcite, pyrite tourmaline, minor blue quartz pebbles.
- 300-310 As above.
- 310-320 As above.
- 320-330 As above.
- 330-340 No sample.
- 340-350 Quartzite-Schist - medium gray, medium grained, quartz, biotite, chlorite, amphibole, epidote, calcite, pyrite, tourmaline.
- 350-360 As above - denser, slight iron stain.
- 360-370 As above - minor quartz crystal vein.
- 370-380 As above.
- 380-390 Quartz Schist - medium gray, medium fine grained, foliated, porous, friable, quartz, biotite, chlorite, amphibole, epidote, calcite, minor pyrite, tourmaline, vein calcite and quartz.
- 390-400 As above.
- 400-410 As above.
- 410-420 As above.
- 420-430 As above.
- 430-440 As above.
- 440-450 As above.
- 450-460 Quartz Schist - medium tannish-gray, medium fine grained, foliated, porous, friable, quartz, biotite, chlorite, amphibole, epidote, calcite, minor pyrite, tourmaline, magnetite, vein quartz and calcite, iron oxide stains are abundants but spotty.

OWNER: Lomond Water Corporation Well #11 (Continued)
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#1210

| | |
|---------|--|
| 460-470 | Quartz Schist - medium tannish-gray, medium fine grained, foliated, porous, friable, quartz, biotite, chlorite, amphibole, epidote, calcite, minor pyrite, tourmaline, magnetite, vein quartz and calcite, iron oxide stains are abundants but spotty. |
| 470-480 | As above. |
| 480-490 | As above. |
| 490-500 | As above. |
| 500-510 | As above. |
| 510-520 | As above. |
| 520-530 | As above. |
| 530-540 | As above. |
| 540-550 | As above. |
| 550-560 | As above. |
| 560-570 | As above. |
| 570-577 | As above. |

GEOLOGIC SUMMARY

| | <u>ROCK UNIT</u> | <u>AGE</u> |
|--------|--------------------|---------------|
| 0-50 | Overburden | Recent |
| 50-90 | Potomac group | Cretaceous |
| 90-577 | Wissahickon schist | Uncertain age |

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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