

INTERVAL SHEET

WWCR: 379

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VDMR Well No: 1911

Date rec'd: 6/27/67

Sample Interval: from 0 to 500

PROP: City of Waynesboro

Number of samples: 50

COMP: Falwell Well Corp.

Total Depth: 505

COUNTY: Augusta (Waynesboro)

Oil or Gas: Water: X Exploratory:

| From-To | From-To | From-To | From-To |
|-----------|-----------|---------|---------|
| 0 - 10 | 290 - 300 | - | - |
| 10 - 20 | 300 - 310 | - | - |
| 20 - 25 | 310 - 320 | - | - |
| No Sample | 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 | No Sample | - | - |
| 210 - 220 | - | - | - |
| 220 - 230 | - | - | - |
| 230 - 240 | - | - | - |
| 240 - 250 | - | - | - |
| 250 - 260 | - | - | - |
| 260 - 270 | - | - | - |
| 270 - 280 | - | - | - |
| 280 - 290 | - | - | - |

All intervals have both washed and unwashed samples

OWNER: City of Waynesboro #1
DRILLER: Falwell Well Drilling Co.
COUNTY: Augusta (Waynesboro)

VDMR: 1911
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TOTAL DEPTH : 505

GEOLOGIC LOG

OVERBURDEN (0-20)

- 0-10 Overburden - light-tan clay and fine- to coarse-grain quartz sand.
10-20 Overburden - light-reddish tan clay, laminated limestone fragments, quartz sand, and quartzite pebbles.

ROME FORMATION (20-500')

- 20-25 Dolomite - light-gray to bluff, microcrystalline, laminated; well-rounded, weathered quartzite pebbles and angular quartzite fragments; trace calcareous sandstone.
25-30 No sample.
30-40 Dolomite - very light-gray, microcrystalline, laminated; some weathered sandstone and quartzite sand and pebbles.
40-50 Dolomite - very light yellow-gray to light-gray, microcrystalline, laminated.
50-60 " with vein quartz.
60-70 Dolomite - light-gray, fine-grain, massive, vugular; vein calcite fracture fillings.
70-80 " much vein calcite.
80-90 Dolomite - very light-gray, microcrystalline, massive; some light-gray, very fissile shale.
90-100 Dolomite - very light- to medium-gray, microcrystalline, massive and laminated; with sheared argillaceous dolomite and vein dolomite; trace pyrite.
100-110 Dolomite - light-gray, very fine-grain, argillaceous, laminated; medium- to dark-gray, microcrystalline, massive dolomite with vein calcite.
110-120 Dolomite and shale - very light-gray to white saccharoidal dolomite; greenish-gray, hard, fissile shale; trace pyrite.

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- 120-130 Dolomite - very light- to light-gray, microcrystalline, laminated, with blocky fracture; vein calcite and dolomite, pyrite.
- 130-140 Dolomite - medium-gray, microcrystalline, massive and laminated, with saccharoidal vein dolomite, vugular.
- 140-150 Shale - purple, phyllitic to very fissile, with saccharoidal vein dolomite.
- 150-160 Dolomite - very light-gray, microcrystalline, argillaceous, laminated, with blocky fracture; trace purple shale.
- 160-170 Shale - purple and greenish-gray, very fissile, hard; light-gray, saccharoidal fine-grain dolomite; some vein dolomite.
- 170-180 Dolomite - dark-gray, microcrystalline, massive, vugular, calcareous; light-gray, laminated, shaly dolomite; trace pyrite.
- 180-190 " with vein calcite and dolomite.
- 190-200 Dolomite - light- to medium-gray, microcrystalline, conchoidal fracture; much vuggy vein calcite and dolomite.
- 200-210 Argillaceous dolomite - medium-gray, microcrystalline; vuggy vein dolomite with pyrite.
- 210-220 " with some black dolomite.
- 220-230 Dolomite - light- to medium gray, microcrystalline; some reddish-gray and green phyllitic shale; vein dolomite, pyrite.
- 230-240 Dolomite and shale - very-light and dark-gray, microcrystalline dolomite; light-gray and purplish-gray dolomitic shale; pale-green shale with pyrite.
- 240-250 " with much granular vein calcite.
- 250-260 " "
- 260-270 "
- 270-280 Dolomite - very dark-gray, very fine-grain, subconchoidal fracture; light-gray microcrystalline, dolomite; very dark-red siltstone; granular vein calcite along joint facies, trace pyrite throughout, some bedded pyrite.

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- 280-290 Siltstone and shale - dark-red, laminated, calcareous siltstone and pale-green phyllitic shale; medium- to light-tannish-gray vuggy microcrystalline dolomite; vuggy, granular vein calcite with trace of pyrite.
- 290-300 Siltstone and shale - dark-red, laminated, siltstone and shale; light-gray, microcrystalline, massive vuggy dolomite; granular calcite.
- 300-310 Dolomite - medium- to light-gray, microcrystalline, laminated, blocky fracture; vuggy, granular calcite.
- 310-320 "
- 320-330 Siltstone - dark-red, laminated, hard; light- to medium-gray, microcrystalline, vuggy dolomite; pale-green, laminated phyllitic shale; very-fine-grain, granular calcite; trace pyrite.
- 330-340 Dolomite - very light- to medium-gray, very fine-grain, laminated, some microcrystalline and massive, argillaceous; some dark-red dolomitic siltstone; trace of pyrite throughout, vein calcite.
- 340-350 "
- 350-360 " much granular vein calcite.
- 360-370 "
- 370-380 " much granular vein calcite with chlorite along slickenside surfaces.
- 380-390 " little argillaceous material, some carbonaceous residue.
- 390-400 " with much granular vein calcite, and vuggy dolomite and vein calcite.
- 400-410 Dolomite - light- to medium-gray, very fine-grain, to microcrystalline, massive, some slightly calcareous and argillaceous; granular vein calcite, trace pyrite, slickensides.
- 410-420 "
- 420-430 "
- 430-440 " with crystalline vein calcite.
- 440-450 "

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- 450-460 Dolomite - light- to medium-gray, very fine-grain, to microcrystalline, massive, some slightly calcareous and argillaceous; granular vein calcite, trace pyrite, slickensides.
- 460-470 "
- 470-480 " with much crystalline vein calcite.
- 480-490 " "
- 490-500 " "
- 500-505 No sample.

GEOLOGIC SUMMARY

| | <u>Rock Unit</u> | <u>Age</u> |
|---------|------------------|------------|
| 0-20 | Overburden | |
| 20-500 | Rome Formation | Cambrian |
| 500-505 | No Sample | |

Virginia Division of Mineral Resources
 Thomas M. Gathright, Geologist
 July 6, 1967