

OWNER: George W. Sessoms, M.D. - Well #2
DRILLER: Sydor Pump and Well Co., Inc.
COUNTY: Page (Shenandoah)

VDMR #1132
WWCR #89
TOTAL DEPTH: 550'

GEOLOGIC LOG

- 0-10 No sample.
- Beekmantown Formation (10-536')
- 10 Limestone — medium-dark-gray, fine-grained, scattered 0.5 mm crystals of calcite, siliceous and carbonaceous, few fragments of light-brown quartzite.
- 20 Limestone — medium-gray, fine-grained to finely crystalline with 0.5 mm crystals of calcite, shale clasts; minor pyrite, trace of orange chert.
- 50 Limestone — dark-gray, finely crystallized, carbonaceous, trace of pyrite.
- 85 Limestone and Chert — dark-gray limestone, fine-grained to medium-crystalline, minor pyrite, white vein-calcite; one-fourth of sample is black chert with inclusions of pyrite and calcite rhombohedrons.
- 88 Limestone — medium dark-blue to gray, fine-grained to medium-crystalline, uneven fracture, argillaceous; minor medium-blue-gray chert with dusty pyrite.
- 101 Limestone — medium dark-blue to gray, fine-grained, argillaceous, very carbonaceous in some layers; minor dark-gray chert; trace of pyrite.
- 130 Limestone — medium-dark-blue to gray, very-fine-grained; traces of white calcite veins, and pyrite.
- 160 Limestone — medium-dark-blue to gray, fine-grained, minor pyrite.
- 175 As above.
- 190 Limestone — medium-dark-gray, fine-grained, minor pyrite.
- 195 As above.
- 210 Limestone — dark-blue to gray, finely crystalline, trace of pyrite.
- 220 Limestone — medium-dark-blue to gray, fine-grained, argillaceous.

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- 235 Limestone — medium-dark-blue to gray, fine-grained, argillaceous, minor pyrite.
- 250 As above.
- 265 Limestone — medium- to dark-gray, coarse- to finely-crystalline; dolomitic, argillaceous, carbonaceous and siliceous.
- 268 Limestone — medium-dark-gray, very-coarsely-crystalline, siliceous and carbonaceous; one fragment of light-orange, coarse-grained quartzite.
- 280 Limestone — medium- to medium-dark-gray, fine-grained to coarsely crystalline, dolomitic, argillaceous, and siliceous, abundant gray and white calcite veins, trace of pyrite.
- 285 As above — slightly lighter color.
- 295 As above — slightly darker.
- 310 As above — slightly lighter.
- 321 Calcareous Dolomite — medium-dark-gray, fine-grained, clastic, argillaceous carbonaceous, with minor coarsely-crystalline limestone.
- 336 Limestone — medium-dark-gray fine-grained to finely crystalline, argillaceous, dolomitic.
- 340 Dolomite — medium to medium-dark-gray, fine-grained and finely crystallized, argillaceous, calcareous in part, trace of pyrite.
- 355 As above — less calcareous.
- 371 As above.
- 385 As above.
- 400 As above — minor white-calcite veins, trace of pyrite nodules.
- 431 Calcareous Dolomite — medium-gray, fine- to medium-crystalline, minor white dolomite and calcite veins, minor fine crystals of pyrite.
- 445 As above.

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- 460 Dolomitic Limestone — medium-gray, finely crystalline; minor white-calcite veins, trace of pyrite.
- 475 Limestone — medium-gray, aphanogranular to finely crystalline; minor vein calcite.
- 490 Dolomitic Limestone — medium-gray, fine- to medium-crystalline; minor vein calcite; trace pyrite.
- 505 As above — less vein calcite.
- 520 Limestone — medium-gray, aphanogranular to very finely crystalline.
- 523 Iron-stained Limestones — rose-pink, pale-orange, medium-gray, very-fine-grained; minor large pieces of vein calcite
- 536 Limestone — medium-gray, aphanogranular to medium-crystalline; minor vein calcite; trace pyrite; contaminated with iron-stained limestone fragments from above.
- 536-550 No sample.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-10	No sample
10-536	Beekmantown Formation
536-550	No sample
	Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
August 23, 1965