

OWNER: New River Motor Lodge - Well #5
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Montgomery (Radford)

VDMR #1164
WWCR #80
TOTAL DEPTH: 107'

GEOLOGIC LOG

Bays-Moccasin Formation (0-105')

- 0-15 Sandstones — medium-gray, tan- to red-brown, and dark-gray, fine- to coarse-grained, quartzitic; minor light-gray siltstone; iron oxide staining.
- 15-30 As above — less iron staining.
- 30-45 Sandstone — light-greenish-gray to dark-gray, orthoquartzite, poorly cemented, coarse- to fine-grained, angular, porous; minor pyrite; iron stain on fractures.
- 45-60 Orthoquartzite — medium-dark-gray, very-coarse- to medium-grained, poor sorting, well cemented, translucent; minor quartz veins and iron oxide stain.
- 60-75 Orthoquartzite — medium-dark-gray to white, granules to coarse-sand, poorly cemented, much of sample crushed to original grains by drill; some grains show secondary growth.
- 75-90 Orthoquartzite — medium-dark-gray, very-coarse- to medium-sand, poorly sorted, well cemented, minor iron oxides on fractures.
- 90-105 As above — including some granule sized grains.
- 105-107 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-105	Bays-Moccasin Formation	Middle Ordovician
105-107	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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