

OWNER: New River Motor Lodge - Well #4
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Montgomery (Radford)

VDMR #1163
WWCR #79
TOTAL DEPTH: 123'

GEOLOGIC LOG

Bays-Moccasin Formation (0-120')

0-15 Sandstone — light-gray with brown iron oxide stain, quartzitic, poorly sorted, angular, medium- to fine-grained; minor buff, silty shale, vein quartz.

15-30 As above — less iron stain.

30-45 Sandstone, Siltstone, Shale — medium- to light-gray, minor iron oxide stain; coarse- to fine-grained quartzitic sandstone; sandy shale; minor fissile shale; minor pyrite.

45-60 As above — finer, pale-green sandstone, small vein of quartz.

60-75 As above.

75-90 As above.

90-105 Sandstone — light-greenish-gray, translucent, orthoquartzite, poorly sorted; minor pyrite.

105-120 Sandstone and Shale — dark-gray, translucent, coarse-grained sandstone with included fragments of fine-grained sandstone; medium-gray, silty shale, foliated; minor pyrite; dark-gray, very-fine-grained sandstone with slickensides.

120-123 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-120	Bays-Moccasin Formation	Middle Ordovician
120-123	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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