

OWNER: U. S. Forest Service (Hazard Mill Recreation Area) VDMR #1607
DRILLER: C. R. Moore Well Drilling Company WWCR #78
COUNTY: Warren (Bentonville) TOTAL DEPTH: 235'

GEOLOGIC LOG

0-18	No samples
18-20	Shale — gray and green, brown, tan, light-yellow iron stains on bedding and joint planes, soft; with some clay and sandstone - silt to coarse-grained, poorly sorted, angular quartz grains, tan to light yellow, iron stained, weathered
20-30	Predominately sandstone as above
30-40	Sandstone — gray to dark gray, silt to medium-grained, subrounded quartz grains, argillaceous to shaly, very slightly calcareous, tan to brown iron-stained where weathered
40-50	Shale — gray to dark gray, some clay, siliceous to silty and sandy, compact, hard
50-60	"
60-70	Sandstone — dark gray, silt to medium-grained, poorly sorted, subrounded, argillaceous to shaly, platy, thin bedded, few calcite crystals and pyrite crystals on bedding planes
70-80	Shale — gray to dark gray, some clay, slightly siliceous, firm, with thin calcite veins
80-90	Shale — dark gray, clay to silt; silt to medium-grained, subangular, poorly sorted, sand is interdisseminated in a shale matrix
90-100	"
100-110	with increase in sand
110-120	with a few calcite veins
120-130	very sandy
130-140	considerably less sand, medium-large calcite veins
140-150	"
150-160	"

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160-170	Shale — dark gray, clay to silt; silt to medium-grained, subangular, poorly sorted, sand is interdisseminated in a shale matrix
170-180	with considerable sand, less calcite
180-190	"
190-200	"
200-210	Shale — dark gray, clay to silt; silt to medium-grained, subangular, poorly sorted, sand is interdisseminated in a shale matrix
210-220	with a thin sandstone - gray, medium to fine-grained, slightly calcareous, slightly argillaceous, low porosity
220-230	with increase in sand, some calcite veins
230-235	"

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-18	No samples	
18-235	Martinsburg Shale	Ordovician

Virginia Division of Mineral Resources
Warren J. Souder, Geologist
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