



OWNER: Frank S. Black, Jr.  
DRILLER: Sydnor Pump and Well Co., Inc.  
COUNTY: Augusta (Staunton)

VDMR #1189  
WWCR #327  
TOTAL DEPTH: 228'

### GEOLOGIC LOG

#### Edinburg Formation (0-105')

- 0-15 Shale — dark-gray, fissile with finely corrugated surfaces; calcareous, carbonaceous; small pyrite nodules; vein calcite; trace pink tan weathered shale.
- 15-30 As above — less vein calcite.
- 30-45 As above.
- 45-60 As above — less corrugated; more vein calcite.
- 60-75 As above — more vein calcite; minor slickensides.
- 75-90 As above.
- 90-105 As above — a portion is less fissile.

#### Fault Breccia (105-220')

- 105-120 Fault Breccia — very pale orange, brecciated and mylonitized chert, limestone and shale, recemented with coarsely crystalline calcite; slightly stained with limonite and hematite; one-fourth of sample is shale as above.
- 120-130 As above — more shale.
- 130-143 No sample.
- 143-158 Chert and Siliceous Limestone — medium-dark-gray chert; tan to light-gray, coarsely crystalline limestone with abundant fragments of chert (could be called a calcareous siltstone), porous, lightly stained with hematite and limonite.
- 158-160 As above — chert lighter colored and more abundant.
- 160-175 As above — much of the siliceous limestone is very finely crystalline to earthy.
- 175-190 Chert — pale-orange-gray, specked with carbonate rhombohedrons; minor porous cream-colored calcareous chert.
- 190-205 As above — more orange stain, minor light gray, very-fine-grained limestone, partially with birds-eye texture and partially siliceous.
- 205-220 As above.

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220-228          No sample.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-105	Edinburg Formation (Liberty Hall Facies) Ordovician
105-220	Fault Breccia involving the Edinburg Formation and residual cherty material that may be from the Beekmantown unconformity.
220-228	No sample

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
December 17, 1965