

County: Rockingham
VDMR Well #W 705

Well: B-36

Farm: Bowers-Campbell

Driller:

Location: Broadway Quadrangle in mine area

1.9 miles N 39° W of Timberville

3.55 miles N 62° W of Cootes Store

Elevation: 1180' (approximate)

Total Depth: 98'

Started Drilling:

Finished Drilling:

Sample description by: E. K. Rader, Virginia Division of Mineral
Resources

Reference: Herbert, Paul and Young, R. S., 1956, Sulfide Minerali-
zation in the Shenandoah Valley of Virginia: Virginia Div. Geol.
Bull. 70, p. 26 - 32.

GEOLOGIC SUMMARY

<u>Depth</u>	<u>Thickness</u>	<u>Formation (and remarks)</u>
0' - 37'	37'	Beekmantown formation: dolomite breccia with sphalerite and smithsonite
37' - 95'	58'	Sample not received
95' - 98'	3'	Beekmantown formation: dolomite breccia with sphalerite

VDMR Well #W 705

<u>Depth</u>	<u>Thickness</u>	<u>Description</u>
0 - 37'	37'	<p>Breccia, angular fragments of medium gray to black or mottled dolomite in a siliceous, coarse-grained, white dolomite. Fragments range from less than 1/16" to more than 1'. Upper portion weathered and porous. Fragments are all fractured. Grain size ranges from fine-to medium-grained.</p> <p>MINERALIZATION: Sphalerite, brownish yellow to greenish yellow; as pin head size crystals to 1/2" crystals; crystals occur along the edges of fragment and in white dolomite. Small amount of sphalerite scattered throughout core. Smithsonite occurs as a brown crust associated with sphalerite.</p>
37 - 95'	58'	Samples not received.
95 - 98'	3'	<p>Breccia, angular fragments, of medium gray to black or mottled dolomite in a siliceous, coarse-grained, white dolomite. Fragments fractured.</p> <p>MINERALIZATION: Sphalerite, brownish yellow to greenish yellow; as pin head size crystals to 1/2" crystals; crystals occur along the edges of fragment and in white dolomite.</p>