

LITHOLOGIC LOG

Project: McCoy

Hole: 864-57 (66-8)

Elevation: 5795

Date Drilled: 16/3/80

Location: NWSE Sec 8 T22N R40E

Method: rotary/air

Geologist: Gross, Tower, Ciancanelli,
Pilkington

Gamma: _____

Depth (m)	Description
0-220	<p><u>Tertiary Volcanics</u></p> <p>Pinkish-gray, crystal-lithic ash flow tuffs. Crystal fragments of sanidine, quartz and biotite. Lithic fragments of ash flow tuffs and pumice.</p> <p>119 Trace of sulfides.</p> <p>198-201 Volcanic wacke conglomerate.</p> <p>201-220 Weakly altered with disseminated sulfides.</p>
220-311	<p><u>Favret Formation (Triassic)</u></p> <p>220-236 Black calcareous siltstone or silty limestone with considerable disseminated pyrite.</p> <p>236-241 Medium-gray fine-grained sandstone with calcareous cement. Sulfide veins.</p> <p>241-299 Dark-gray limestone cut by calcite veins containing some pyrite.</p> <p>299-311 Dark-gray to black calcareous siltstone.</p>
311-665	<p><u>Basal Conglomeratic Sandstone (Triassic)</u></p> <p>Medium-gray to light gray-white quartzite and interbedded conglomeratic quartzite. Some color variation due to oxidation state of iron.</p> <p>320 Veinlets of quartz and pyrite.</p> <p>340-378 Veinlets of quartz and sulfide.</p> <p>Below 418 the quantity of sulfide increases.</p> <p>472-493 Several zones of fault gauge.</p>

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665-765

Valmy Quartzite?(Ordovician)

Gray to grayish-red, fine-grained quartzite. The well rounded quartz grains are somewhat recrystallized and show well developed silica cement. Hematitic staining and/or micaceous material give rock a distinct sheen.