

LITHOLOGIC LOG

Project: DeethHole: 1030-29Elevation: 5758Date Drilled: 6/20/80Location: 39N 59E Sec. 32Method: Air hammer/foamGeologist: SarberGamma: at 220' 100 gpm H₂O

Depth (m)	Description
0-3	Pink colored rhyolitic tuff, fairly fine grained
3-12	Same as above, also 1st appearance of a multi-colored porphyritic crystal tuff bearing hornblende, plag. K-spar and quartz with a devitrified but competent groundmass. Possibly some chloritization
12-33	As above, increasing amount of coarse grained multi-colored appearing crystal tuff, also dark gray and medium gray less devitrified fine grained tuff (glassy looking) bearing feldspars and hornblende. Probably interbedded flows
37-45	As above, perhaps an increase in pink tuff
45-54	Predominantly the multi-color coarse grained tuff
54-57	Same as above, increase in dark gray glassy tuff
57-60m	1st appearance of interval predominantly a dark gray crystal vitric tuff, not devitrified, glassy appearing, bearing feldspar and quartz
60-66	As above, steadily increasing amounts of the coarser multi-colored tuff
66-81	As above, mostly multi-colored coarse grained crystal tuff, some argillized feldspars up to .5 cm
81-93	Appearance of more dark gray glassy looking tuff
	Comment: Interbedded flows of crystal and crystal-vitric tuffs with varying grain size and degrees of devitrification