

LITHOLOGIC LOG

Project: Deeth (1030)Hole: 1030-7Elevation: 5685 Ft (1733m)Date Drilled: November 20, 1979Location: SW/NW 30 T38N, R59EMethod: Air-foamGeologist: Tower/ShenkerGamma: 120 cps

Depth (m)	Description
0-20m	Granules, gravel, and sand, sub-angular to sub-rounded, composed of mixed volcanic rocks (tuffs and rhyolites(?)). Particle sizes vary greatly among coarse grains, and brown clay and silt contributes 5-25% of total sample.
20-25m	A minor amount (15%) of gravel and granules set in a matrix of greenish light brown clay. This clay appears to be a strongly decomposed tuff.
25-45m	Blue-green clay with about 10% mixed volcanic granules (uphole contamination?).
45-50m	Greenish light brown clay, and granules of a strongly decomposed tuff (parent rock for clay?) constitute 60% of this interval. The remaining 40% is a mixture of sub-angular to sub-rounded fragments (granules and sand) of mixed volcanic lithologies.
50-67m TD	Angular and sub-angular coarse sand and granules (15% sub-rounded gravel at 65m) composed of mixed volcanics (tuffs and rhyolites). Very small amounts of greenish light brown clay (5-10%) at intervals.
<p>Comments: The blue-green clay encountered in the 25-45m interval of this hole is found throughout the eastern portion of the property. It appears that this unit is the product of a totally decomposed tuff. As in this hole, the clay is generally found to lie above and below alluvial material. The lower gravel is an aquifer which at site 1030-21 had a strong artesian head. Duplicate samples for conductivity (k) value determinations were collected at 20 ft (6.1m), 70 ft (21.3m), 130 ft (39.6m) and 190 ft (57.9m).</p>	