

LITHOLOGIC LOG

Project: Deeth

Hole: 1030-17

Elevation: 5420 ft (1652m)

Date Drilled: November 24-25, 1979

Location: SWNW24 T37N R58E

Method: Mud

Geologist: Chris Tower

Gamma: 120 cps

Depth (m)	Description
0 - 84m	Light brown alluvium. Size distribution is 30% fines, 50% sand and 20% granules. Composition is metamorphic (quartz, quartzite) and volcanoclastic (lapilli tuff). Some fossil material, mostly mollusk shells, was seen from surface to 10m. Blue-green clay was seen in minor amounts from 18 to 24m. Unit is variable reworked metamorphic/volcanoclastic alluvium.
84 - 86m	Cherty reworked alluvium. Some black chert flakes present - drill rate slowed significantly.
86 - 104m	TD Volcanoclastic sediments. Section is mostly volcanoclastic particles of tuff, welded tuff and rhyolite. Unit is reworked volcanoclastic sediments.
<p>Comments: Sequence is probably reworked sediments, with a hard cherty layer at 84m. The hole was skidded twice trying to drill past a weak (< 5 gpm) water entry zone from 24-30m. Duplicate samples collected at 30', 60', 90', 120' and 290'.</p>	