

LITHOLOGIC LOG

Project: Deeth

Hole: 1030-21

Elevation: 5365 ft (1636m)

Date Drilled: November 16, 1979

Location: NENE 36 T37N R58E

Method: Foam

Geologist: Chris Tower

Gamma: 120 cps

Depth (m)	Description
0 - 6m	Reworked metamorphic/volcanoclastic alluvium.
6 - 21m	Light brown clay, possibly tuffaceous
21 - 70m	Blue green tuffaceous clay. Thin (1/2") calcareous siltstone flakes noted at 55m, probably a lacustrine/evaporite stringer.
70 - 73mTD	Clayey channel sand. Unit is 2/3 sand, 1/3 granules of metamorphic/volcanoclastic composition and probably represents a channel sand deposit within the lacustrine sequence. A very strong water entry (75 gpm artesian flow) coincides with this unit.
<p>Comments: The hole was abandoned during plugging operations. Future drilling should be prepared for heavy water entries and watch closely for appearance of sand with the blue green clay, as this usually indicates penetration of the confined aquifer in the southern area.</p>	