

Dean

LITHOLOGIC LOG

Project: Deeth

Hole: 1030-9

Elevation: 5890 ft (1795m)

Date Drilled: Nov. 17, 1979

Location: SE SW 34, T38N, R58E

Method: Air-Foam

Geologist: Chris Tower

Gamma: 120 cps

| Depth (m) | Description |
|-----------|-------------|
|-----------|-------------|

0-28m

Red to light brown alluvium. Size distribution is 60% fines, 30% sand and 10% granules. Grains are quartz, quartzite, tuffaceous fragments and some caliche in the upper zone. Unit is probably reworked metamorphic debris and volcanoclastic sediments.

28 - 57m

Reddish-brown decomposed rhyolite tuff. Size distribution is 50% fines, 25% sand and 25% granules. Composition is almost entirely fine grained, well crystallized tuff in varying stages of weathering/decomposition as evidenced by limonite-argillization of grains.

57 - 67m

Composition same as 28-57m. The decrease in penetration rate suggests that the unit is jointed/fractured rhyolite tuff that is not significantly weathered.

Comments: This sequence appears to be reworked metamorphic/volcanoclastic sediments overlying a deeply weathered and fractured series of rhyolite tuffs. Duplicate samples were collected at 20', 60' and 150'.