

LITHOLOGIC LOG

Utah

Project: Burning StoneHole: B-451 (821-35)

Elevation: _____

Date Drilled: 9/20/81

Location: _____

Method: air/foamGeologist: J. Deymonaz

Gamma: _____

Depth (m)	Description
0- 1	<u>Alluvium</u> (Qal) - Lt. brown, sandy-silt with angular to subrounded gravels of intermediate gravels. Dry.
1-30	<u>Lithic Tuff</u> (Tst) - Predominantly tuffaceous material with abundant aphanitic lithic fragments. Similar bedded air fall material exposed approximately 200 feet west in stream cut.
30-70	<u>Latite</u> (Tbs - porphyritic unit) - Dark reddish-brown, reddish-gray and dark gray. Aphanitic groundmass with 5-10% phenocrysts of white to clear plagioclase (0.5-2.0mm) with minor potassium feldspars. Small but common magnetite, euhedral bleached biotite, minor hornblende and rare quartz. Minor porphyritic alteration. Rock very similar to exposures along ridge west of site.
70-77	<u>Latite</u> - As above except darker gray, fewer (2-3%), and smaller phenocrysts. Occasional large feldspar crystals.
77-78.5	L.C. zone, bit dropped 1.5m, touching side of open fracture and "popping" on way down.
78.5-98	Only occasional "slugs" of cuttings below 78.5m. Rock drilled smooth and hard, few returns were similar to 70-77m interval. Small amount of water below 78.5m