LITHOLOGIC LOG

Project: Burning Stone

Hole: B-450 (821-34)

Elevation: _____ Date Drilled: 9/22/81

Location: _____ Method: air/foam

Geologist: J. Deymonaz Gamma: _____

Depth (m)	Description
0-23	Sand and gravel (Qal) - Angular gravels of intermediate volcanics generally less than 5cm in diamter in a sand matrix. Dry.
23-29	Gravels, sand and clay (Thst?) - Above, except smaller gravels in a sandy clay matrix with common biotite. May be nonwelded top of ash flow unit.
29-43	Welded crystal-lithic tuff (Thst) - Lt-gray to lt-brown to reddish-brown. 5% crystals of clear to white feldspars, biotite and small (<0.5mm) magnetite. Some unidentified relic femags with oxidized reaction halos. Poorly to moderately welded. Considerable uphole contamination.
43-78	Tuff (Thst) - Lt. brown, nonwelded, air fall tuff, mostly altered to montmorillonite clay (much of clay lost in sample collection and cleaning). Small percentage of biotite, quartz, and feldspar crystals and minor lithic fragments. Lithic fragments appear to decrease with depth. Considerable uphole contamination.
78-93	Welded crystal-lithic tuff - (Thst) - Med. to reddish brown, 20-70% crystals and lithic fragments. Crystals of feldspar, quartz, biotite, hornblende and magnetite. Lithic fragments of relic pumice and various aphanitic volcanic fragments. Matrix is ashy tuffaceous material. Unit is exposed at surface 0.3 miles north-northwest of hole and mapped as basal unit of Ths.