

LITHOLOGIC LOG

Project: Livermore

620-59

Elevation: _____

Date Drilled: 7/30/79-7/31/79

Depth (m)	Description
0- 34	<u>Boulders, Gravel, Sand and Clay</u> - Mixture of intermediate tuffs and silicified volcanic boulders and gravels in matrix of sand and clay. Minor azurite, pyrargyrite (?) magnetite.
34- 60	<u>Tuff</u> - Light gray to tan, crystals of quartz and feldspar <10%. Altered mostly to clay, pervasively fractured, with Fe ₂ O ₃ staining along fracture.
60-160	<u>Andesitic Tuff</u> - Light gray green, ≈10% crystals of quartz, 30-40% altered feldspars (<1 mm). Minor small (<1 mm) dark gray lith frags numerous tight fractures, occasionally Fe ₂ O ₃ stained.
160-165	<u>Andesitic Tuff</u> - As above but some flow rocks and a small amt. of vitrophyre. Possibly base of tuff unit.
165-210	<u>Latite Crystal Tuff</u> - Light gray, ≈20% crystals of milky to clear feldspars and trace of quartz, set in partly welded tuffaceous matrix.
210-230	<u>Latite Crystal Bearing Tuff</u> - As above with crystals decreasing to 10% and color becoming light greenish gray.
230-260	<u>Latite Crystal Tuff</u> - As 165-210.
260-320	<u>Latite Crystal Tuff</u> - As above but trace of vitrophyre and 5-10% silicified fragments.