

Project: Livermore

620-32

Elevation: \_\_\_\_\_

Date Drilled: May 10, 11, 12, 17, 18, 19, 20, 1979

Depth (m)	Description
0 - 4	<u>Silty Clay</u> - Lt. yellow brown, minor angular frags of welded tuffs. Unconsolidated.
4 - 26	<u>XL-Tuff</u> - Med-Dk-Gray, XL-lithic, altered mostly to clay, soft. Small amt of red FeO <sub>2</sub> staining along fracs.
26 - 28	<u>L.C.</u> - No returns
28 - 30	<u>XL Tuff</u> - As above, but better indurated, 25-30% of cuttings have red FeO <sub>2</sub> staining along tight fracs.
30 - 47	<u>XL-Tuff</u> - Red, altered almost entirely to clay, minor black frags of unaltered rk & bio. Occasional fresh chips showing red and dk-gray flow banding. < 10% XLS of Plag.
47 - 52	<u>XL Tuff or Rhyolite</u> - Well indurated, some flow banding, < 10% XLS of Plag & Lessor qtz set in gray to red aphanitic G.M. Abundant FeO <sub>2</sub> staining along fracs.
52 - 97	<u>Pumaceous Tuff</u> - Lt-Gray, ~5% relic pumice frags. Rk varies from soft clay to fresh appearing well indurated. Fresher portions are 5-30% red FeO <sub>2</sub> stained.
97 - 114	<u>Pumaceous Tuff</u> - As above, better indurated and more open fractures. L.C. at 104. Continuous loss of fluids.
114 - 135	<u>Pumaceous Tuff</u> - As 52-97, continued L.C.
135 - 140	<u>Pumaceous Tuff</u> - As above with apparent larger fractures & L.C. Unable to regain circ. at 140.