

## LITHOLOGIC LOG

Project: Livermore

620-44

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

Date Drilled: 6/21/79

Depth (m)	Description
0- 6	<u>Regolith</u> - Light to medium brown silt and clay with cobbles and gravels of tuffaceous rocks.
6-15	<u>Crystal-Lithic Tuff</u> - Light gray, soft, non-welded. High % of clear quartz crystals and feldspar. Lith fragments of sub angular to rounded aphanitic rhyolite and black vitrophyre. Most of fine tuffaceous matrix washed out in drilling.
15-21	<u>Crystal-Lithic Tuff</u> - As above with decrease in crystals.
21-30	<u>Crystal-Lithic Tuff</u> - As between 6-15 m.
30-70	<u>Crystal-Lithic Tuff</u> - As above but slightly better indurated and decrease in crystals and increase in lith. frags. Crystals of quartz and plag appear to comprise 20% of sample. Rare small concentrations of pyrite. Zones altered to hard bluish clay increasing with depth, sometimes silicified.
70-98	<u>Crystal-Lithic Tuff</u> - As above but with devitrified black vitrophyre comprising 5-25% of sample. Decrease in bluish clay (0-15%).