

## LITHOLOGIC LOG

Project: Livermore

620-54

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

Date Drilled: 7/25/79-7/26/79

Depth (m)	Description
0-0.6	<u>Sandy-Silt</u> - Medium brown, altered argillaceous sandstone.
0.6-3.0	<u>Argillaceous Sandstone</u> - Medium brown, poorly to moderately well indurated. Grains of quartz and feldspar (0.25 mm) comprise 60-70% of sample in a clay-silt matrix. 5-10% small rock frags (<1.0 mm), trace of biotite and muscovite, minor Fe <sub>2</sub> O <sub>3</sub> staining along small fractures. Appears to be of volcanic origin.
3-23	<u>Argillaceous Sandstone</u> - As above but medium gray with 3-5% frags of dark gray argillite.
23-46	<u>Argillaceous Sandstone</u> - Similar to above, but larger grain size (0.25-0.5 mm) and less argillaceous matrix (10-25%). Angular fragments of dark gray argillite (1-4 mm) within the sandstone, about 1% of fragments are black devitrified volcanic glass, and a few crystals of chloritized hornblende. Some small lenses of "microconglomerate" with rounded fragments of sandstone (1-2 mm) and rounded crystals of quartz and feldspar (1-3 mm) in a matrix of fine-grained sandstone. Rare white calcite filled fractures.
46-98	<u>Sandy Siltstone</u> - Light to medium gray siltstone with fine grains (<0.25 mm) of quartz and feldspar and poorly to moderately indurated. Trace of small, angular, black, devitrified volcanic glass.