

LITHOLOGIC LOG

Project: LivermoreHole: 620

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: Jim Gross/Dean Pilkington

Gamma: _____

Depth (m)	Description
700-1400'	Gray, medium grain graywacke. Continued pyrite both as disseminated and in bands apparently along original bedding planes. Flood silica decreasing downhole to perhaps 10-15% at 900'. Oxidation at 1400' suggests intermittent water zone.
1400-1660'	Interbedded light to medium gray, medium grain graywacke and very fine grain, dark gray to black graywacke and argillite. Silica replacement decreasing to 5-10% at 1500'.
1660-2840'	Cuttings are all nearly mono minerallic. Section was drilled with button bit and mud. Some feldspars altered to bottle green color, probably epidote. Rock is probably a continuation of graywacke as above but the finer varieties were probably not dropped out because thick drilling mud was used. Lost circulation zone at 2840' was the end of surface return of cuttings.
2840-3030'	D. Penetration constant as above so lithology is presumed to be continued graywacke.