

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

LEHMAN SPRINGS: Lehman Springs Quadrangle
T. 5 S, R 33 E, Sec 12, NE $\frac{1}{4}$

Visited Wednesday, September 9th, 1970 at a time when the air temperature was 68° F and immediately following a two-day rain which reportedly deposited 2 $\frac{1}{4}$ " of new water in the Lehman-Hidaway areas.

Numerous natural springs discharge here from a Miocene basalt setting along a creek bed over a distance of 300 to 400 feet. Six to eight of these natural springs plus a developed one in a 6 x 6 foot concrete structure gave temperatures which measured between 140 to 149° F by our maximum-reading thermometer, with the large developed spring recording at 149° F. The management, however, reports that the usual temperature range for these springs is between 154 and 156° F and I see no reason to doubt this claim in this respect as the 2 $\frac{1}{4}$ " recorded rainfall over the previous two days could very well be introducing a dilution factor which could readily account for temporary drop in temperature, especially so since the springs are located in the bottom of a natural drainage channel where the excess cooler water would naturally gravitate to.

Report by: N. S. WAGNER

Sept. 9, 1970

* Temperature measured with a Taylor maximum-reading thermometer.