

November 4, 1949

Mr. Stanley E. Brown
Route 3, Box 113 C
Lebanon, Oregon

Dear Mr. Brown:

I hope that the following information answers most of the questions you raise in your letter of November 2. I have prepared a small geologic map of the area which you stated you wished information on. You will note after a brief study of this sketch map, which is copied from a much larger map appearing in Water-Supply Paper 890, that the 160 square mile area surrounding Lebanon has little chance for any mineralization. The area is largely covered by quite recent sediments and terrace deposits which are not nearly old enough to have undergone mineralization.

The area lying east of Lebanon in the Quartzville district is an area of much older rocks and it ranks second in importance to the Bohemia district farther south. Activity in this district ceased pretty largely about the turn of the century and little intensive work has been done there since. The following table shows the production of gold and silver from Linn County from 1890 to 1924:

<u>Year</u>	<u>Gold (ounces)</u>	<u>Silver</u>
1890	314.44	--
1891	232.20	--
1892	661.77	\$750
1893	202.93	--
1894	241.88	--
1895	302.83	--
1896	3,938.92	--
1924	<u>42.96</u>	<u>25</u>
	5,937.93	\$750

Although there is little doing in the Quartzville district at the present time, this should not be construed to mean that the area will not at some future date become an active producer. An increase in the price of gold would very likely stimulate renewed activity in many of the Cascade deposits which have lapsed into idleness as operating costs increased while gold remained pegged at \$35 per ounce.

The chances of utilizing some of the clays and tuffs in the Lebanon district should not be overlooked. There is a continuing demand for clay products, particularly clay drain tile, for Willamette Valley farms. There is also considerable

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interest being shown in lightweight building blocks, both of the concrete variety and the sawed blocks cut from various lightweight materials such as tuff.

I trust that this information may prove of some value to you.

Sincerely yours,

Ralph S. Mason
Mining Engineer

RSN:lk
Enclosure