

## SALIENT POINTS.

"1. A seepage of petroleum occurs near the south line of District Lot 130 and demonstrates that a certain member or members of the tertiary rocks are oil-bearing.

"2. California oil is produced almost exclusively from the tertiary and the oil from these seepages bears a remarkable similarity to California oil.

"3. There is an estimated thickness of 3,000 feet of these tertiary rocks. No doubt the oil seeps from the upper members of these rocks, due to the removal or weakening of the cap rock through erosional agency.

"4. Where one member of the tertiary is petroliferous it usually follows that deeper measures are also oil-bearing, and hence it is likely that drilling near the seepage will not only develop the seepage oil but also oil from deeper measures.

"5. This seepage of oil occurs on or near the apex of an anticlinal fold passing through the southwest corner of D. L. 130.

"6. In view of the facts that certain measures of the tertiary are known to be oil-bearing, and that these members are involved in a structural fold which is highly conducive to the natural accumulation of oil and gas, we recommend Lots Nos. 130 and 131 for drilling, and believe that such drilling will develop a commercial production of oil."

(Signed) **SUR & JEWELL**  
Per **W. R. JEWELL**

Vancouver, B.C., August 10th, 1919.

*Mr. E. A. Haggren, M.E., Editor of the Mining and Engineering Record, in a report to the company makes the following conclusions:*

"Traces of residues of petroleum form the most important indications on which to undertake drilling for petroleum in unexplored territory such as this, and the development of the great oil industries of Mexico and California has been due to following up the indications afforded by such seepages as you have at Burnaby Lake.

Prospecting for petroleum in localities likely to give results is a work of national importance at the present time. The risk is the usual hazard of business, and is such as must be undertaken everywhere in the effort to develop possible but unproved natural resources in new territory. Expenditure in such work is not only legitimate but necessary to the discovery of new resources of such great economic value as petroleum. In my opinion you are fully justified in undertaking the development of these seepages at Burnaby Lake."

*Mr. J. R. Lockard, M.E., formerly General Manager, Canadian Collieries (Dunsmuir) Ltd., says, concerning oil prospects in Burnaby:*

"I have never seen better indications and prospects . . . based on my experience in the oil fields of Pennsylvania, Ohio, Illinois and West Virginia, in none of which have I ever seen such favorable indications."

## Other Expert Opinions.

¶ Sir Boyerton Redwood, Bart., the great English authority on petroleum, in his "Treatise on Petroleum," has the Burnaby District mapped out as a probable oil field. (See Redwood's comparative composition of Natural Gas.)