

¶ Among other expert and technical men who have expressed a favorable opinion as to the probabilities of oil and advocated the advisability of drilling in Burnaby are Mr. Chas. Camsell, of the Dominion Geological Survey; Mr. Victor Dolmadge, also of the Dominion Geological Survey; Mr. W. M. Brewer, of the Provincial Department of Mines; Mr. W. Dougall, of the C. P. Railway Natural Resources Department, and many others.

### *Analysis of the Oil.*

¶ Analysis of the oil from Burnaby has been made by A. D. Little Co., Ltd., of Montreal; Department of Mines, Ottawa, and G. S. Eldridge & Co., Vancouver, B. C.

---

#### *A. D. LITTLE CO., LTD.,* *reported as follows:*

---

"The oil itself when separated from the water was a dark brownish black viscous liquid, resembling in appearance some of the heavy crude oil. The specific gravity at 15.5° C. was 0.978, equivalent to 13° Baume. The sulphur was 0.56%, which is not an excessive amount, nor does the oil have the disagreeable odor so often accompanying Canadian crude oils. The average sulphur content of American oils is about 0.5%, and of Canadian crudes 0.98%. The distillation resulted as follows:

Up to 200 C.....	17.2%
200 to 250 C.....	8.2%
250 to 300 C.....	5.9%
300 to 320 C.....	43.1%
Residue .....	24.5%

"The tests indicate that this oil belongs to the asphalt group and its gravity is about the same as the heavy oils from Mexico, California and Wyoming. It is heavier, however, than the average grade of crude oils from California, Pennsylvania, Oklahoma, Ohio and Canada. You will appreciate that the sample does not properly represent the oil in the natural state in which it would be found in the earth, and we believe, judging from the sample, that this oil has promise of commercial value."

The Department of Mines, Ottawa, reported as follows:

- (a) Specific gravity at 15.5° C.....0.928  
 (b) Saponifications value..... 3  
 (c) Distillation:—

Water .....	14.3%	by volume
150 to 200 C.....	1.6%	" "
200 to 250 C.....	2.2%	" "
250 to 320 C.....	52.7%	" "
Residue and Loss.....	29.2%	" "

¶ The residue is a pitchy solid at ordinary temperature. By carrying the distillation to a higher temperature the yield of oil can be increased, while the pitchy residue is reduced in quantity, ultimately leaving coke. The low saponification value indicates that this is largely a crude mineral oil.