

PREFACE.

Arrangements were made with Mr. F. G. Clapp, of Pittsburgh, Pa., in April, 1912, to prepare this monograph on Petroleum and Natural Gas with special reference to Canada. It was proposed that the monograph should contain a general summary of all the information that was available with respect to the present or prospective Petroleum or Natural Gas fields in all the provinces of the Dominion. In addition, chapters on special subjects, such as the Technology of the Natural Hydrocarbons; Methods of Prospecting for Oil and Gas; Drilling Equipment; Development of Petroleum and Natural Gas fields; and related matters, were to be included in the monograph.

Mr. Clapp, and his assistant—Mr. L. G. Huntley—each spent about three months during the seasons of 1912 and 1913 on field work in connexion with this report. In November, 1913, before the manuscript was complete, Mr. Clapp accepted private contracts which necessitated his leaving for China. With the consent of the Director of the Mines Branch, he made personal arrangements with certain gentlemen, named below, to prepare special chapters of this report. He also arranged with Dr. David T. Day, of the United States Geological Survey, to assemble the whole report, and to forward it to this office when completed.

Under the arrangements made by Mr. Clapp, the following gentlemen have contributed chapters or sections of this report:—

1. Marius R. Campbell, of the United States Geological Survey, chapter IV, vol. I, on Theories as to the Origin of Petroleum and Natural Gas and their Migration in the Rocks of the Earth's Crust.

2. James H. Gardner, Lexington, Ky., contributed the sections of chapter VI, vol. I, dealing with the Surface Indications Useful in Exploration for Petroleum and Natural Gas.

3. Ralph Arnold and V. R. Garfias contributed the sections of chapter VI, vol. I, dealing with the subject of Casing of Oil Wells and the Exclusion of Water from Oil Wells.