

ECONOMIC PETROLEUM, AND GROUND WATER GEOLOGY

"During the summer of 1964 PAN AMERICAN PETROLEUM CORPORATION conducted geophysical and geological operations off the southern coast of Newfoundland in the area of the Grand Banks as part of a preliminary reconnaissance of the 31.5 million acres of oil and gas permits currently under exploration permit to Pan American. Work conducted in the summer of 1964 consisted of offshore marine geophysical surveys, both gas exploder and conventional refraction and reflection seismograph work. An extensive reconnaissance aeromagnetic survey has been completed and a limited bottom sediment sampling program was performed in conjunction with the seismic surveys.

Further operations are tentatively planned for the area in the summer of 1965. These plans include further geophysical work to refine areas of interest. It is hoped that this work will develop potential deep drill sites in 1966 or subsequent years."

SHELL CANADA LIMITED is engaged in exploring for hydrocarbons on most of the Nova Scotia Shelf. The company conducted a seismic program during 1964, and has tentative plans for continuing it this coming summer.

The MINERAL RESOURCES DIVISION OF THE NEWFOUNDLAND DEPARTMENT OF MINES, AGRICULTURE AND RESOURCES is currently carrying out a study of diatomite occurrences, particularly on the Avalon Peninsula of Newfoundland. The program is designed to explore the potential for commercial deposits of the material and this involves mapping, careful sampling (Swedish soil sampler) and laboratory studies. The program commenced during the 1964 field season and is expected to continue through another season.

The GEOLOGICAL SURVEY OF CANADA Paper 65-1, Report of activities: field, 1964, published in 1965 describes the following current projects:

GADD, N.R., Buried valleys and gold placers, Beauce County (Quebec):
p. 117

PARSONS, M.L., Groundwater studies of southern New Brunswick:
p. 124