

INTRODUCTION AND OBJECTIVE

This report is part of the course work for the University of the West Indies Diploma in Petroleum Engineering 1979.

The objective is to study the feasibility of waterflooding the Cruse 'G' sand in the Guapo Field of Trinidad-Tesoro Petroleum Company Limited.

Included in this report is a study of the geology of the area, the reservoir engineering aspects of waterflooding and a brief economic analysis.

Data was collected from thirty-five (35) wells. Only one (1) core analysis was available and in general, there was not enough data available. Because of this, certain approximations had to be made in doing the reservoir calculations.