

consisting of: small scale (1:100,000) aerial photographs; horizontal control surveys in the form of doppler satellite receiver positions; vertical control surveys in the form of radar altimetry (APR) and adjusted aerial triangulation; and larger scale (1:60,000) aerial photographs.

Canada has contributed the doppler equipment; horizontal control survey; aerial photography; APR and aerial triangulation adjustment; and technical assistance. The individual components have been carried out under separate contracts by Canadian contractors and/or consultants.

Phase I of the project began in January, 1979 and was completed in March of 1981, with the establishment of more than 300 survey control points on the islands of Kalimantan, Sulawesi, Java, Bali, Lombok, Sumbawa, Flores and Timor using doppler satellite positioning equipment. For this phase, BAKOSURTANAL augmented its own doppler positioning facilities with the services of McElhanney Surveying and Engineering Ltd. of Vancouver, Canada.

The second phase of the project currently under way employs two specially modified and equipped aircraft for the production of aerial photography of the survey area in order to produce base maps for land use planning and natural resources exploitation activities. A consortium of Canadian companies led by Kenting Earth Sciences of Ottawa, Canada, is handling this part of the project.

The arrival of the two aircraft in July, 1981 marked the initiation of Phase II. The inauguration ceremony in Balikpapan, Kalimantan was attended by the Chairman of BAKOSURTANAL Pranto Asmoro, representing the Indonesian Government, and the Canadian Ambassador W. H. Montgomery.

The aerial photography will be completed by mid-1984, with project completion expected by mid-1985.

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A second delineation well, MSU-5, drilled offshore Indonesia in a Malacca Straits contract area has been flow-tested at a combined rate of 10,519 barrels a day of clean, light-gravity crude oil.

The well is reported by Hudson's Bay Oil and Gas Co. Ltd. (HBOG) of Calgary, Alberta, Canada—which has a 50 per cent share of the contractor's interest in the 1.2-million hectare area—to be located in a water depth of 17.5 metres about 800 kilometres northwest of Jakarta and 160 kilometres west of Singapore.

All three wells drilled on the MSU structure have been successfully tested and yielded a total combined flow rate of 28,000 barrels a day.

Additional delineation drilling on

the MSU structure and the MSA, which is located 5.5 kilometres south, was scheduled to be completed by the end of 1981.

HBOG's subsidiary, Hudbay Oil (Malacca Strait) Ltd., is operator of the contract area for a group of companies that holds a production sharing contract with Pertamina, Indonesia's state-owned petroleum enterprise. Another Canadian member of the group is Home Petroleum Corporation, a unit of Hiram Walker Resources Ltd., Toronto, Ontario.

MALAYSIA

Agriculture Canada and the Province of Ontario's **Soybean Marketing Board** are joining forces in a technical presentation to introduce specialty varieties of soybeans to Malaysia (February 25-26) and Singapore (February 23-24).

Members of the seven-man mission will present, with the aid of projected photo-slides, an overview of the soybean industry in Canada, its breeding programs, the selection and cleaning of specialty soybeans, and product development using specialty varieties.

As well, they will have meetings with representatives of Singapore's soybean trade and, in Kuala Lumpur, the members of the mission will visit a factory making soymilk and another making soysauce.

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Westinghouse Canada Inc. of Hamilton, Ontario, have secured an order for the supply of two gas turbine generating sets, model W1916, as a sub-contractor of C. Itoh Co Ltd., Japan, for delivery to the Sabah Electricity Board. The sale is valued at \$8.8 million.

SINGAPORE

The Province of Alberta, Canada, which is one of the world's largest and pioneer producers of oil and gas, will again participate in the **Offshore South East Asia** trade show. Twenty manufacturers from Alberta will have exhibits in the Canadian booth at the show in the World Trade Centre, Singapore, from February 9-12.

Oil and gas have been produced in Alberta for over 50 years and the industry there has developed unique and

PHILIPPINES



The Philippines' Foreign Minister General Carlos P. Romulo (l) presents gifts to his counterpart Dr. Mark MacGuigan while in Canada recently on an official visit, which was reported in the October issue of *CANADA-ASEAN*.