

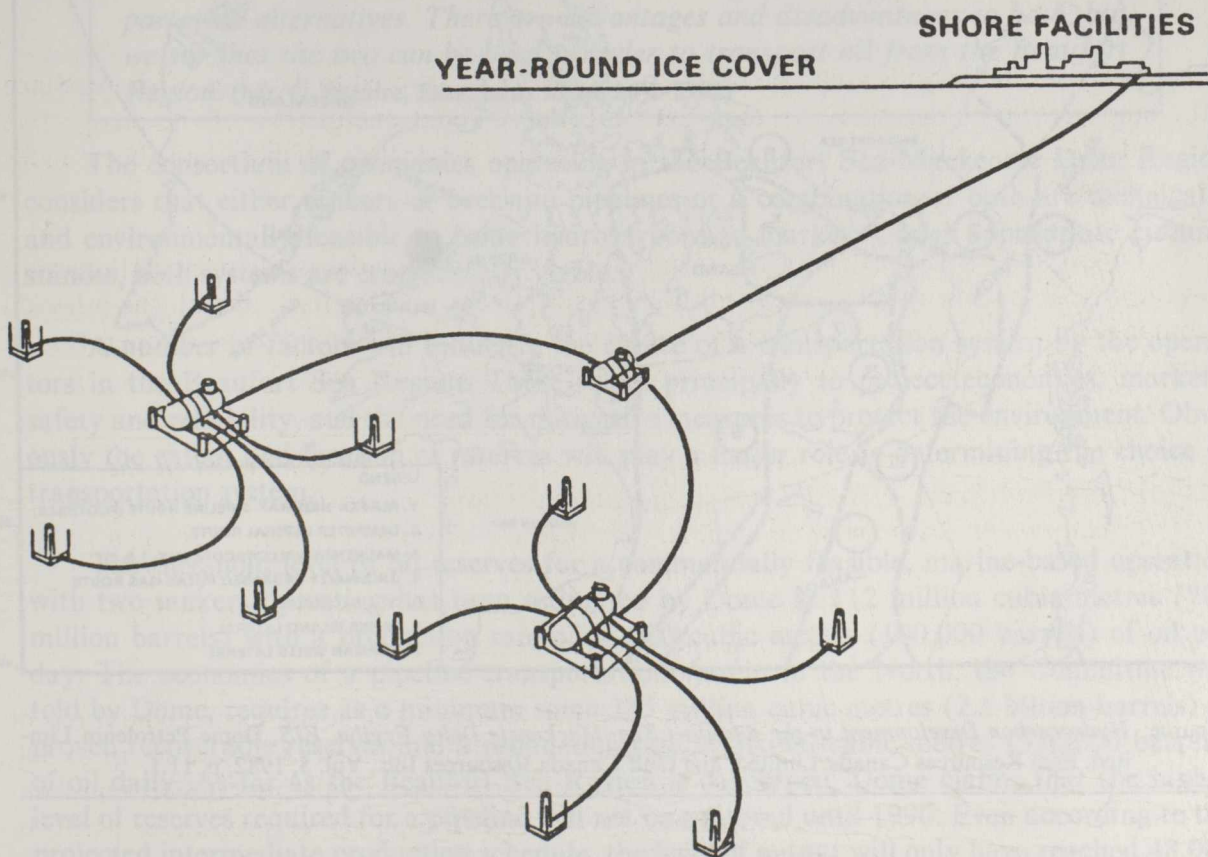
(750 million barrels). There have been three significant oil discoveries at Cisco, Skate and Maclean, and drilling is continuing.

It has been suggested by Gulf that the types of facilities required for oil and gas production in the Arctic Islands area will differ significantly from those proposed for the Beaufort Sea due to the greater water depths involved.

*When we look at production facilities themselves, the type of facilities required for oil and gas production in this area will require a significantly different type of production concept than those we are considering in the Beaufort Sea, primarily due to the deeper water depth. In the general area the water depth is about 300 metres. (Mr. D. Motyka, Gulf, Issue 20:31, 23-3-1982)*

Preliminary designs for offshore fields envision production wells capped with multiple subsea well-completion manifolds with pipelines (oil, gas and water lines strapped together and insulated to form a single pipeline) used to transport the hydrocarbons ashore (Figure 6). These gathering systems would feed a supply line routed to a suitable oil terminal. Here, the crude oil and gas would be processed prior to further transportation.

**Figure 6: Arctic Islands — Typical Subsea Production System**



Source: Gulf Canada Resources Inc., Presentation to the Special Senate Committee, *Offshore Transportation Study*, 23-3-1982.