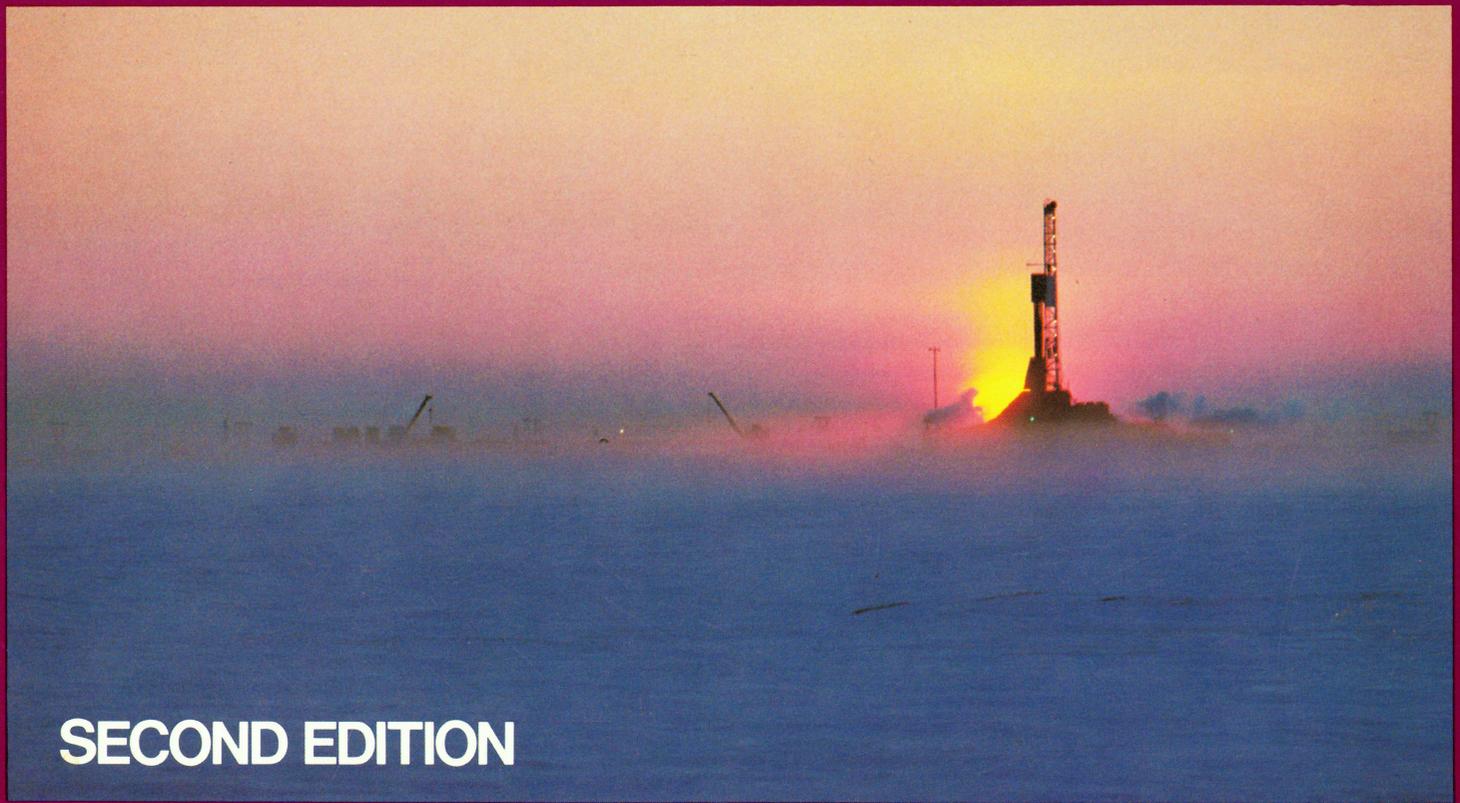


PRUDHOE BAY AND BEYOND



SECOND EDITION

Prudhoe Bay

LOGISTICS

Because of Prudhoe's remoteness, a major problem is keeping the operation supplied with goods and materials.

Movement of Sohio materials to Prudhoe is coordinated through the Anchorage Receiving Facility (ARF). From this facility, critically needed parts and equipment can be expedited to the North Slope within hours.

A significant amount of Sohio's materials is transported to the North Slope by truck, the last leg being over the 360-mile (576 kilometers), all-weather road from the Yukon River. An average month will see about 100 truck loads of freight equalling about five million lbs. (2.3 million kilograms) move over the road.

Sohio relies heavily upon aircraft for movement of personnel, mail, rush-cargo and perishable items. Boeing 727 and Hercules aircraft carry over a half-million pounds (225,000 kilograms) of cargo and about 4,000 passengers per month. Sohio operates a Boeing 727 jet which is used exclusively for employees, contractors and guests. The jet flies directly from Anchorage to Prudhoe twice a day, five days a week, and once on Saturdays. Flight crews aboard the leased aircraft are Sohio employees. Daily jet service to Prudhoe from Anchorage and Fairbanks is also available through Wien Air Alaska.

In the summer, during the six-week period when the Arctic Ocean ice moves offshore, barge convoys bring bulk supplies, modules and heavy equipment to Prudhoe from the U.S. West Coast. Sometimes these cargoes are massive, as in 1970, when a convoy of 70 barges, tugs and special lighters brought in 187,000 tons (190 million kilograms) of cargo. The 1980 sea lift brought Sohio 19 large modules and cargo which totaled about 8,000 tons. Since production from the Prudhoe field began in 1977, sea lift loads have been relatively

small. But when field development accelerates in the early and middle 1980s, tonnages will increase dramatically. The 1981 sealift will include 45 modules, mostly for wellpad manifolding, totaling more than 16,000 tons.

There are two gravel docks at Prudhoe Bay. A dock on the northwest shore stretches 1.5 miles (2.4 kilometers) into water deep enough to accommodate the huge barges which arrive with the annual sea lifts. A smaller dock lies in shallower water on the southeast shore of the bay.

