

refineries in Regina. Crude oil from the new fields of southeastern Saskatchewan is delivered by Westspur Pipeline Company, connecting with the Interprovincial line at Cromer, Man., where the Trans-Prairie Pipeline Limited system, serving the Manitoba fields, also connects. Deliveries in Manitoba are made to Brandon and to Winnipeg Pipeline Company at Gretna. In the United States, Interprovincial serves a connecting pipeline to St. Paul, Minn., and makes deliveries at Wrenshall, Minn.; Superior, Wis.; and West Branch, Midland and Bay City, Mich.

Sixty-seven miles of 24-inch loop and 52 miles of 26-inch loop were constructed in 1956, providing a two-line system from Regina to Clearbrook, Minn. Pumping capacity was increased and additional storage tanks were erected at Cromer. Construction was started on a second pump station at Indian River, Mich.

Capacities of the line, in barrels per day, between selected points at the end of 1956 were: Edmonton to Regina, 217,000; Regina to Cromer, 193,000; Cromer to Gretna, 241,000; Gretna to Superior, 212,000; and Superior to Sarnia, 147,000. Gross deliveries to regions served by the pipeline were: Western Canada, 33,700,000 bbl.; U.S. refineries, 16,900,000 bbl.; tankers out of Superior, 5,600,000 bbl.; and Eastern Canada, 40,500,000 bbl. Tariff charges from Edmonton to Regina, Gretna, Superior, and Sarnia were 23½, 36, 44 and 64 cents per bbl., respectively. From Cromer to Sarnia the rate was 48 cents per bbl.

*Trans Mountain Pipeline.*—This line serves the area westward from Edmonton. In addition to taking oil from the six feeder lines at Edmonton, it is linked at Edson, Alta., with a pipeline bringing crude from the Sturgeon Lake area in Alberta. No deliveries are made in Alberta but all crude transported comes from that province. Deliveries are made to refineries at Kamloops and Vancouver in British Columbia, and Ferndale and Anacortes in Washington State. Deliveries may be made to tankers at a marine loading dock at Vancouver.

During 1956 construction started on two permanent pump stations at Jasper and Gainford, Alta., but by mid-1956 it was necessary to install two temporary units to meet demands for crude oil, and the capacity of the line was increased from 150,000 to 185,000 bbl. a day. In November the temporary pump station at Jasper was destroyed by fire, causing a reduction in capacity, but a permanent station was completed at that point early in 1957 again bringing the line's capacity to at least 185,000 bbl. a day. The capacity of the Washington State line was increased to 200,000 bbl. a day by construction of a pump station at Laurel.

Total deliveries for 1956 were 47,251,641 bbl., of which 46.1 p.c. was delivered to Canadian refineries, 40.7 p.c. to Washington State refineries and 13.2 p.c. constituted offshore shipments. This was the first year crude oil was shipped by sea from Trans Mountain pipeline and, during the year, 53 tankers were loaded at Vancouver. Tariff charges from Edmonton or Edson to Kamloops, Vancouver, Ferndale and Anacortes were 43, 45, 47 and 47 cents per bbl. The marine loading charge at Vancouver was 2½ cents per bbl.

*Other Oil Pipelines.*—The addition during 1956 of 728 miles of operational oil pipeline reflected the continuing growth of the oil pipeline industry. Pembina Pipe Line Limited installed 153 miles of line to serve the expanding Pembina field in Alberta. Construction on the main pump station was completed and throughput during the year was about 32,120,000 bbl. Peace River Pipe Line Company Limited completed 107 miles of trunk line and 37 miles of gathering lines which connect Sturgeon Lake, Sturgeon Lake South and Little Smoky fields in Alberta with the Trans Mountain line at Edson. Deliveries began in March and throughput totalled 1,824,000 bbl. in 1956. Cremona Pipelines Limited constructed a trunk line to Calgary from the Sundre field 65 miles northwest of the city. The line will also carry crude to Calgary from the Westward Ho, Harmattan, and Elkton fields in Alberta. Britam Oil Pipeline Company Limited, formerly Canadian Gulf Pipe Line Company, extended its system 35 miles south from the Fenn-Big Valley field to West Drumheller. Rangeland Pipe Line Company Limited constructed a 50-mile