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OIL PIPE LINE TRANSPORT

January, 1960

With all major companies showing increases, net deliveries of oil through Canadian pipe lines rose to the highest monthly level ever recorded, at 31,119,295 barrels, some 9.8 p.c. above the January, 1959, total of 28,336,051* barrels and 7.9 p.c. above last month's total of 28,847,321. The daily average delivery increased to 1,003,848 barrels from 914,066* in January 1959. As compared with the preceding year, barrel miles rose to 11,856 million from 10,923 although the average length of haul fell slightly to 262.5 miles from 264.7*. Export were up 37.2 p.c. to 3,572,360 barrels from the January, 1959 total of 2,604,017 and 2.9 p.c. from the 3,471,368* reported in December.

Provincial deliveries, in barrels, for the months were as follows (1959 data in brackets): British Columbia 4,022,789 (2,758,791); Alberta 2,046,201 (1,417,709*); Saskatchewan 1,818,822 (1,859,879); Manitoba 9,770,533 (9,554,781); Ontario 5,155,282 (4,989,263); Quebec 8,305,668 (7,755,628). Included in Manitoba deliveries were 8,715,785 barrels (8,533,084) transferred to the Lakehead Pipe Line Company at Gretna, the bulk of which moved through the United States destined to Ontario refineries.

Gathering systems handled an average of 578,279 barrels per day for the month of January, 1960, as compared with 532,093* for January, 1959. Trunk lines deliveries rose to a daily average of 1,456,808 barrels from 1,331,064* for the same months.

Net receipts during January totalled 31,383,705 barrels, 7.3 p.c. above the 29,240,507* recorded the previous year. Receipts for January were comprised of 13,239,691 barrels of Alberta crude and 56,664 barrels of Alberta natural gasoline, 3,945,072 barrels of Saskatchewan crude, 393,710 barrels of Manitoba crude, 8,321,662 of imported crude and 5,426,906 barrels of refinery products.

Employment and wages showed a slight decrease from the previous January with 1,496 employees earning \$756,162 as compared with 1,550 employees earning \$762,099.

Revenue and employee data for the Sarnia Products Pipe Line Division of Imperial Oil Ltd. are not available for this report as the pipe line operation forms only a part of the company's activities and is not separable. For the same reason revenue and employee data of the pipe line operation of the Anglo American Exploration Company and the Goliad Oil and Gas Company, and employee data of the Amurex Oil Development Company, Anglo-Canadian Oils, Ltd., Key Pipe Line Company, Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Peace River Oil Pipe Line Company, Ltd., and Valley Pipe Line Company, Ltd., have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

*Revised

Prepared in the Transportation and Public Utilities Section,
Public Finance and Transportation Division.

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Net totals given in Table 6 exceed those in Tables 1 and 2 because of duplications resulting from inter-company transfers of oil. These differences are accounted for in the following table.

	Barrels
Total Received into Systems - all companies -	
during January, 1960 per table 6	51,302,749
Received into Trunk Lines from other Canadian Pipe Lines	19,919,044
"Net Received" into Canadian Pipe Line Systems	31,383,705
"Net Received" into Trunk Systems per table 1	14,215,527
"Net Received" into Gathering Systems per table 2	17,168,178
Total Delivered out of Systems - all Companies -	
during January, 1960 per table 6	51,829,590
Delivered to other Canadian Pipe Lines	20,710,295
"Net Delivered" from Canadian Pipe Line Systems	31,119,295
"Net Delivered" from Trunk Systems per table 1	30,225,928
"Net Delivered" from Gathering Systems per table 2	893,367

The fluctuations which occur in Shippers' and Carriers' balances monthly are accounted for by each company in a "monthly oil balance" statement. The oil balances have been tabulated for all companies for January and are given herewith:

OIL BALANCE - ALL COMPANIES - JANUARY 31, 1960

	Barrels	Barrels
Total Shippers' Balances - January 1, 1960	10,841,258	
Total Carriers' Balances - January 1, 1960	1,194,848	12,036,106
Received into Gathering Systems during January, 1960	17,942,988	
Received into Trunk Systems during January, 1960	45,382,432	63,325,420
Total oil accountable for period		75,361,526
Delivered from Gathering Systems during January, 1960	17,926,664	
Delivered from Trunk Systems during January, 1960	45,161,048	63,087,712
Balance to be accounted for at January 31, 1960		12,273,814
Oil consumed as fuel and losses during January, 1960		58,200
Balance on hand - January 31, 1960		12,215,614
Total Shippers' Balances - January 31, 1960	11,062,955	
Total Carriers' Balances - January 31, 1960	1,152,659	

The Interprovincial Pipe Line Company operates almost 1,700 miles of line in Canada from Edmonton to the International border near Gretna, Manitoba. In addition to this, the company operates 166 miles of line which enters Canada from the United States at Sarnia and extends to Port Credit in Ontario. The Sun Pipe Line Company also operates lines across the St. Clair River from the United States to Sarnia. Oil delivered at Sarnia and other points in Ontario via Interprovincial's line would be a duplication of oil already reported on the western section of the line. For this reason and because of the limited nature of their operations, oil carried by these short sections is not included in Canadian oil pipe line statistics. However, commencing with April, 1958, the barrel mile performance of these sections has been included with the total barrel miles shown in tables five and six. A summary of oil delivered by these two lines is shown below.

Month	Interprovincial Pipe Line Company		Sun Pipe Line Company
	Crude Oil Delivered at Sarnia	Clarkson, Port Credit and Trafalgar	Crude and Refined Oil Delivered at Sarnia
	Barrels	Barrels	Barrels
January, 1959	3,678,575	2,808,820	188,397
December, 1959	4,197,176	2,355,526	149,521*
January, 1960	4,142,488	2,563,268	186,081

* Revised.

TABLE 1

OIL¹ CARRIED BY PIPE LINES - TRUNK

	January 1960	December 1959	January x 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received* (2+3+4+5)</u>				
Less: Received from other Canadian pipe lines -	45,382,432	41,493,578	41,309,911	
2. Own Gathering System	11,247,861	10,460,588	10,264,627	
3. Other pipe lines - Gathering	6,735,291	6,526,787	6,243,166	
4. Trunk	13,183,753	11,671,354	11,366,532	
5. <u>Net Received (6+7+8)</u>	14,215,527	12,834,849	13,435,586	
6. Originating on own trunk lines	5,697,497	5,223,411	5,456,675	
7. Received from foreign pipe line connections	8,321,662	7,426,750	7,793,085	
8. Received from other carriers (rail & truck)	196,368	184,688	185,826	
9. <u>Total Delivered* (10+11)</u>	45,161,048	41,628,748	41,262,990	
10. Less: Delivered to other Canadian trunk lines	14,935,120	13,774,771	13,204,509	
11. <u>Net Delivered (12+13+14)</u>	30,225,928	27,853,977	28,058,481	
12. Terminated on own trunk lines	19,939,207	17,659,048	18,630,951	
13. Delivered to foreign pipe line connections	10,224,757	10,131,684	9,324,475	
14. Delivered to other carriers (truck, rail & water)	61,964	63,245	103,055	

TABLE 2

OIL¹ CARRIED BY PIPE LINES - GATHERING

	January 1960	December 1959	January x 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	17,942,988	16,706,553	16,507,003	
16. Less: Received from other gathering systems	774,810	845,907	702,082	
17. <u>Net Received (18+19)</u>	17,168,178	15,860,646	15,804,921	
18. Originating on own gathering system	16,867,694	15,588,310	15,407,446	
19. Received from other carriers (rail & truck)	300,484	272,336	397,475	
20. <u>Total Delivered* (21+22+23)</u>	17,926,664	16,720,335	16,494,869	
Less: Delivered to other pipe lines -				
21. Own Trunk system	11,258,122	10,460,588	10,264,627	
22. Other pipe lines	5,775,175	5,266,403	5,952,672	
23. <u>Net Delivered (24+25)</u>	893,367	993,344	277,570	
24. Terminated on gathering systems	789,766	873,701	188,062	
25. Delivered to other carriers (rail & truck)	103,601	119,643	89,508	

¹ Includes natural gasoline and refinery products.

* Includes duplications.

¹ Includes natural gasoline.

x Revised

TABLE 3

OIL CARRIED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT ORIGINATED

Province		January 1960	December 1959	January x 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	13,091,532	11,796,349	12,023,635	
"	- Trunk	464,695	467,026	458,164	
Saskatchewan	- Gathering	3,682,936	3,642,158	3,359,897	
"	- Trunk	262,136	280,562	210,489	
Manitoba	- Gathering	393,710	422,139	421,389	
"	- Trunk	-	-	-	
Ontario (2)	- Trunk	3,626,677	3,208,614	3,226,596	
Quebec (3)	- Trunk	9,862,019	8,878,647	9,540,337	
Net Received	- Gathering	17,168,178	15,860,646	15,804,921	
" "	- Trunk	14,215,527	12,834,849	13,435,586	
" "	- Total	31,383,705	28,695,495	29,240,507	

TABLE 4

OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT TERMINATED
OR WAS TRANSFERRED TO OTHER CARRIERS

Province		January 1960	December 1959	January x 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	4,022,789	3,272,111	2,758,791	
Alberta (1)	- Gathering	816,721	907,999	221,041	
"	- Trunk	1,229,480	1,069,839	1,196,668	
Saskatchewan	- Gathering	76,646	85,345	56,529	
"	- Trunk	1,742,176	1,531,880	1,803,350	
Manitoba ⁶	- Trunk	9,770,533	9,875,155	9,554,781	
Ontario (2)	- Trunk	5,155,282	4,647,741	4,989,263	
Quebec	- Trunk	8,305,668	7,457,251	7,755,628	
Net Delivered	- Gathering	893,367	993,344	277,570	
" "	- Trunk ⁷	30,225,928	27,853,977	28,058,481	
" "	- Total	31,119,295	28,847,321	28,336,051	
" "	- Daily average	1,003,848	930,559	914,066	
⁶	Includes deliveries to U.S. pipe lines, Gretna, Man.	8,715,785	8,823,619	8,533,084	
⁷	Includes exports -				
	via Trans Mountain Oil Pipe Line Company	1,508,972	1,308,065x	791,391	
	via Interprovincial Pipe Line Company	2,063,388	2,163,303	1,812,626	

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		January 1960	December 1959	January x 1959	YEAR TO DATE 1960
Barrels Handled - Daily Average					
Gathering Systems	Barrels	578,279	539,366	532,093	
Trunk Lines	"	1,456,808	1,342,863	1,331,064	
Total Barrel Miles (Trunk Lines)	Millions	11,856	10,956	10,923	
Average Miles Per Barrel (Trunk Lines)	Miles	262.5	263.2	264.7	
Employees and Earnings (6)					
Average Number (4)	No.	1,496	1,502	1,550	
Total Salaries and Wages	\$	756,162	793,511	762,099	
Man-Hours Worked by Wage Earners (5) (6)	Hours	69,520	73,315	72,714	

(1) Includes natural gasoline and some refinery products.

(2) Products of refineries.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Amurex Oil Development Company; Anglo American Exploration Company, Ltd.; Anglo-Canadian Oils, Ltd.; Coliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Company, Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Nisku Products Pipe Line Company, Ltd.; Peace River Oil Pipe Line Company, Ltd. and Valley Pipe Line Company, Ltd.

(x) Revised.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES
January, 1960

	Imperial Pipe Line Company, Ltd.	Inter- provincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans Mountain Oil Pipe Line Company	Pembina Pipe Line Ltd.	Other Pipe Lines (1)	Total
TRAFFIC*				- Barrels -			
<u>Total Received into System</u>							
This month January, 1960	3,621,500	12,330,186	8,321,662	4,027,766	3,336,654	(2) 19,664,981	51,302,749
This year							
<u>Total Delivered out of System</u>							
This month January, 1960	3,618,282	12,010,222	8,305,668	4,022,789	3,382,561	(3) 20,490,068	51,829,590
This year							
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month January, 1960	116,719	-	-	-	107,333	354,227	578,279
This year							
<u>Trunk Lines</u>							
This month January, 1960	-	387,427	267,925	129,767	109,115	562,574	1,456,808
This year							
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month January, 1960	-	6,493	586	2,693	235	1,849	11,856
This year							
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month January, 1960	-	505.0	70.6	669.0	69.5	106.0	262.5
This year							
OPERATING REVENUES 1960				Dollars			
Three months ended Mar. 31							
Six months " June 30							
Nine months " Sept. 30							
Twelve months " Dec. 31							
EMPLOYEES AND EARNINGS				Number			
Employees, January, 1960	115	416	49	216	144	(4) 556	1,496
<u>Salaries and Wages</u>				Dollars			
This month January, 1960	57,128	209,483	24,140	121,646	67,187	(4) 276,578	756,162
This year							
<u>Man hours Worked by Wage Earners</u>				Hours			
This month January, 1960	11,575	203	5,823	90	12,891	(4) 38,938	69,520
This year							

* Totals include duplication between companies.

(1) See list of reporting companies on page 7.

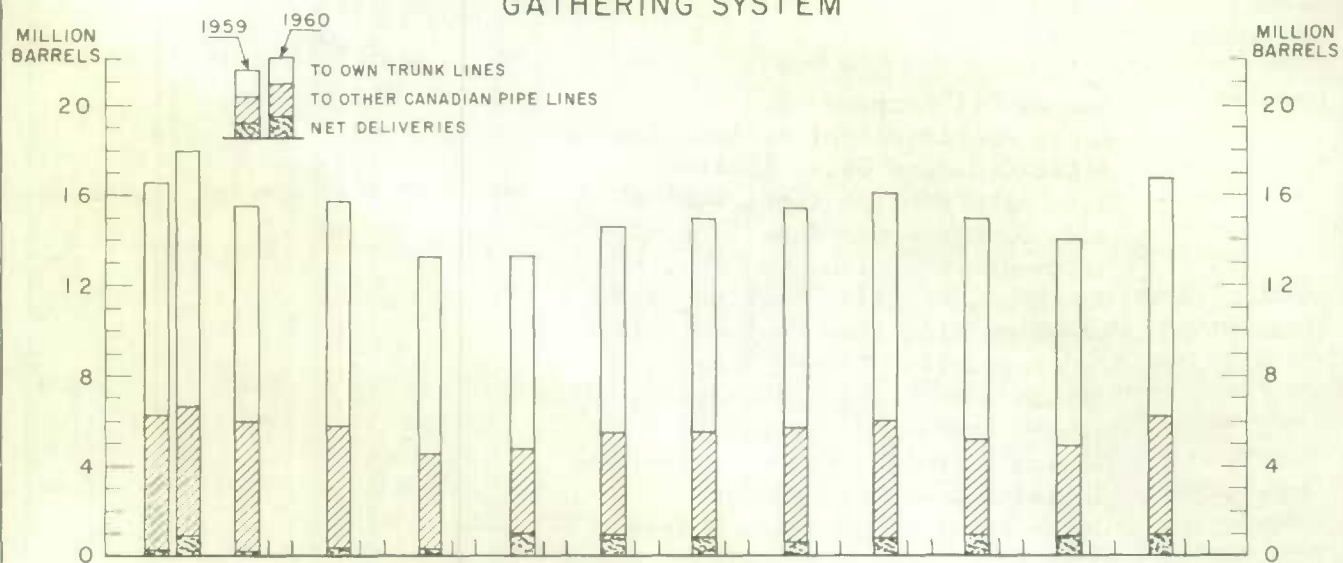
(2) Includes 5,426,906 bbls. products and 56,664 bbls. natural gasoline.

(3) Includes 5,284,642 bbls. products and 53,158 bbls. natural gasoline.

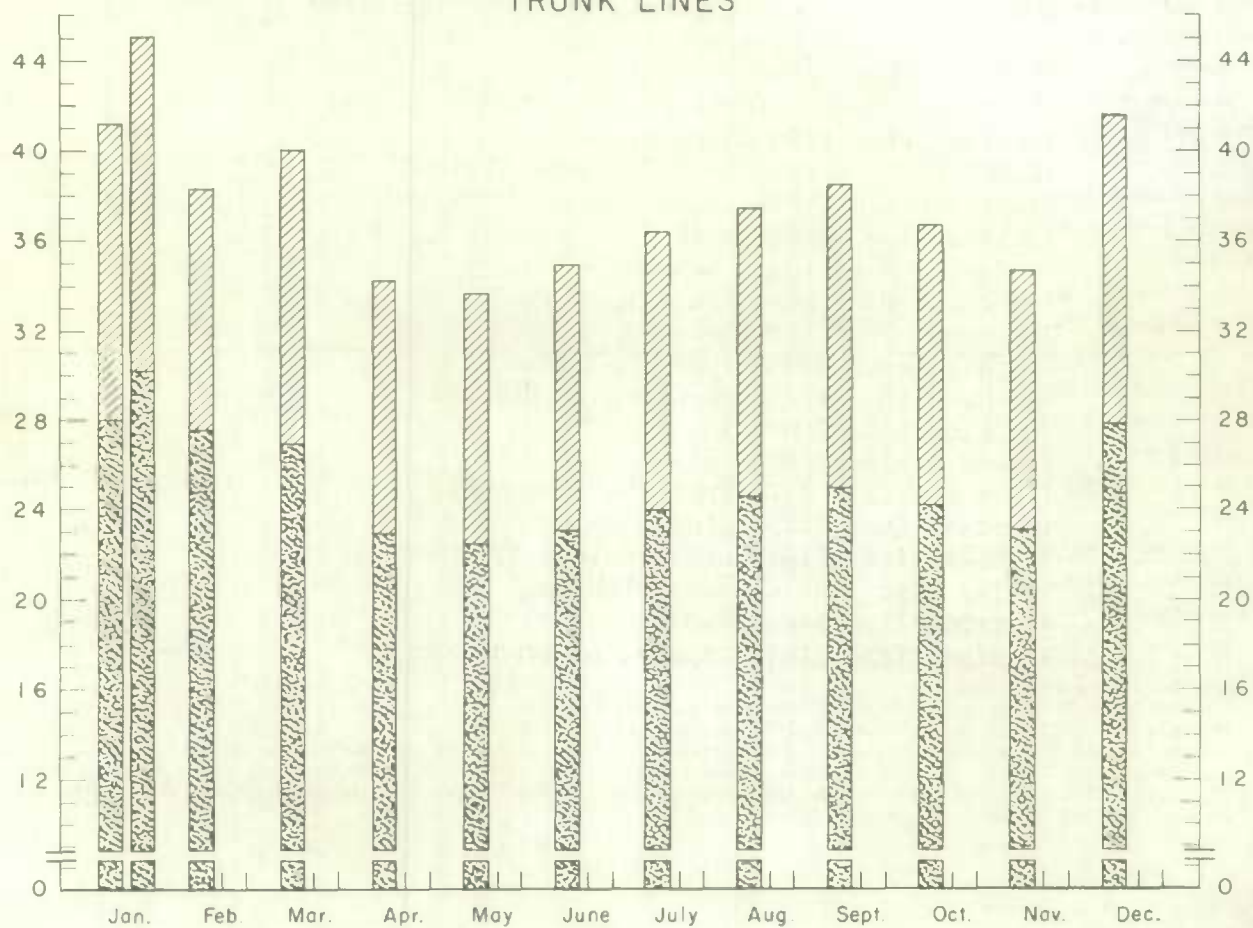
(4) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; Coliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line Division; Key Pipe Line Co., Limited; Mid-Saskatchewan Pipe Lines, Limited; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Company; Valley Pipe Line Company, Limited and Westpur Pipe Line Company.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1959 AND 1960

GATHERING SYSTEM



TRUNK LINES



List of Oil Pipe Lines Reporting

Amurex Oil Company
Anglo American Exploration, Limited
Anglo-Canadian Oils, Limited
B.A. Alberta Pipe Line, Limited
B.A. Saskatchewan Pipe Line, Limited
Britamoil Pipe Line Company, Limited
Devon-Palmer Oils, Limited
Edmonton Pipe Line Company, Limited
Federated Pipe Lines, Limited
Gibson Associated Oil Company, Limited
Gibson Crude Oil Purchasing Company, Limited
Gibson Petroleum Company, Limited
Goliad Oil and Gas Company
Green River Exploration Company, Limited
Home Oil Company, Limited, Cremona Pipe Lines Division
The Imperial Pipe Line Company, Limited
Imperial Oil Limited, Sarnia Products Pipe Line
Interprovincial Pipe Line Company
Key Pipe Line Company, Limited
Mid-Saskatchewan Pipe Lines, Limited
Montreal Pipe Line Company, Limited
Nisku Products Pipe Line Company, Limited
Peace River Oil Pipe Line Company, Limited
Pembina Pipe Line, Limited
Producers Pipelines, Limited
Rangeland Pipe Line Company, Limited
Saskatoon Pipe Line Company, Limited
South Saskatchewan Pipe Line Company
Sun-Canadian Pipe Line Company, Limited
Sun Pipe Line Company
Texaco Exploration Company
Trans Mountain Oil Pipe Line Company
Trans-Northern Pipe Line Company
Trans-Prairie Pipelines, Limited
Valley Pipe Line Company, Limited
Westspur Pipe Line Company
Winnipeg Pipe Line Company, Limited

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