



OIL PIPE LINE TRANSPORT

February, 1960

Net deliveries of oil through Canadian pipe lines totalled 27,778,086 barrels in February, a slight drop from the previous year's total of 27,873,778 barrels and 10.7 p.c. lower than the total of 31,119,295 in January, 1960. The average net delivery of 957,865 barrels per day was 3.8 p.c. below the daily average of 995,492 recorded in February, 1959. Barrel miles rose to 10,646 million from 9,976 million in February last year while the length of haul increased only slightly to 262.6 miles from 262.5 in the same period.

Provincial deliveries, in barrels, for the two months were as follows (1959 data in brackets): British Columbia 7,672,879 (5,378,262); Alberta 3,811,940 (4,393,510*); Saskatchewan 3,187,194 (3,563,946); Manitoba 18,733,310 (18,308,766); Ontario 9,625,665 (9,238,104); Quebec 15,846,393 (15,327,241). Included in Manitoba deliveries were 16,758,049 barrels (16,306,866) 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 539,118 barrels per day during the month of February, a decrease of 2.3 p.c. as compared with the previous year's average of 551,637 barrels. Trunk lines averaged 1,398,022 barrels per day, 2.0 p.c. above the February, 1959 total of 1,370,167 but 4.0 p.c. below the preceding month.

Net receipts for the month under review increased 1.5 p.c. totalling 27,651,799 barrels, as compared with 27,249,217 barrels in February, 1959, but decreased by 11.9 p.c. from the previous month's total of 31,383,705 barrels. Comprising the current month's receipts were 11,068,442 barrels of Alberta crude and 43,969 barrels of Alberta natural gasoline, 3,893,926 barrels of Saskatchewan crude, 382,240 barrels of Manitoba crude, 7,566,244 barrels of imported crude and 4,696,978 barrels of refinery products.

The number of employees was down 3.9 p.c. from the previous February, dropping to 1,487 from 1,548. Total salaries and wages, on the other hand, increased slightly to \$772,966 from \$754,950.

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 Public Utilities Section
Public Finance and Transportation Division.

8506-502-20

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 February, 1960 per table 6	96,731,540
Received into Trunk Lines from other Canadian Pipe Lines	37,696,036
"Net Received" into Canadian Pipe Line Systems	59,035,504
"Net Received" into Trunk Systems per table 1	26,968,235
"Net Received" into Gathering Systems per table 2	32,067,269
Total Delivered out of Systems - all Companies -	
during February, 1960 per table 6	98,081,196
Delivered to other Canadian Pipe Lines	39,183,815
"Net Delivered" from Canadian Pipe Line Systems	58,897,381
"Net Delivered" from Trunk Systems per table 1	57,284,072
"Net Delivered" from Gathering Systems per table 2	1,613,309

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 February and are given herewith:

OIL BALANCE - ALL COMPANIES - FEBRUARY 29, 1960

	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 February, 1960	33,591,433	
Received into Trunk Systems during February, 1960	85,837,607	119,429,040
Total oil accountable for period		131,465,146
Delivered from Gathering Systems during February, 1960	33,561,106	
Delivered from Trunk Systems during February, 1960	85,703,687	119,264,793
Balance to be accounted for at February 29, 1960		12,200,353
Oil consumed as fuel and losses during February, 1960		107,007
Balance on hand - February 29, 1960		12,093,346
Total Shippers' Balances - February 29, 1960	10,948,587	
Total Carriers' Balances - February 29, 1960	1,144,759	

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, 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
February, 1959	3,462,198	2,551,106	191,916
January, 1959	4,142,488	2,563,268	186,081
February, 1960	3,474,341	2,295,290	166,658

TABLE 1

OIL^a CARRIED BY PIPE LINES - TRUNK

	February 1960	January 1960	February 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
1. Total Received* (2+3+4+5)	40,455,175	45,382,432	38,705,986	85,837,607
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	9,925,475	11,247,861	9,509,167	21,173,336
3. Other pipe lines - Gathering	6,337,929	6,735,291	6,000,936	13,073,220
4. Trunk	11,439,063	13,183,753	10,775,671	24,622,816
5. Net Received (6+7+8)	12,752,708	14,215,527	12,420,212	26,968,235
6. Originating on own trunk lines	4,958,401	5,697,497	4,701,210	10,655,898
7. Received from foreign pipe line connections	7,566,244	8,321,662	7,523,436	15,887,906
8. Received from other carriers (rail & truck)	228,063	196,368	195,566	424,431
9. Total Delivered* (10+11)	40,542,639	45,161,048	38,364,669	85,703,687
10. Less: Delivered to other Canadian trunk lines	13,484,495	14,935,120	10,750,048	28,419,615
11. Net Delivered (12+13+14)	27,058,144	30,225,928	27,614,621	57,284,072
12. Terminated on own trunk lines	17,485,895	19,939,207	19,076,451	37,425,102
13. Delivered to foreign pipe line connections	9,513,888	10,224,757	8,446,849	19,738,645
14. Delivered to other carriers (truck, rail & water)	58,361	61,964	91,321	120,325

TABLE 2

OIL^b CARRIED BY PIPE LINES - GATHERING

	February 1960	January 1960	February 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	15,648,445	17,942,988	15,484,797	33,591,433
16. Less: Received from other gathering systems	749,354	774,810	655,792	1,524,164
17. Net Received (18+19)	14,899,091	17,168,178	14,829,005	32,067,269
18. Originating on own gathering system	14,578,119	16,867,694	14,476,561	31,445,813
19. Received from other carriers (rail & truck)	320,972	300,484	352,444	621,456
20. Total Delivered* (21+22+23)	15,634,442	17,926,664	15,445,840	33,561,106
Less: Delivered to other pipe lines -				
21. Own Trunk system	9,925,475	11,258,122	9,509,167	21,183,597
22. Other pipe lines	4,989,025	5,775,175	5,677,516	10,764,200
23. Net Delivered (24+25)	719,942	893,367	259,157	1,613,309
24. Terminated on gathering systems	633,667	789,766	149,451	1,423,433
25. Delivered to other carriers (rail & truck)	86,275	103,601	109,706	189,876

^a Includes natural gasoline and refinery products.

* Includes duplications.

^b Includes natural gasoline.

TABLE 3

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

Province		February 1960	January 1960	February 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	10,914,158	13,091,532	11,264,293	24,005,690
"	- Trunk	433,467	464,695	435,861	898,162
Saskatchewan	- Gathering	3,602,693	3,682,936	3,183,959	7,285,629
"	- Trunk	291,233	262,136	216,031	553,369
Manitoba	- Gathering	382,240	393,710	380,753	775,950
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,894,045	3,626,677	2,851,405	6,520,722
Quebec (3)	- Trunk	9,133,963	9,862,019	8,916,915	18,995,982
Net Received	- Gathering	14,899,091	17,168,178	14,829,005	32,067,269
" "	- Trunk	12,752,708	14,215,527	12,420,212	26,968,235
" "	- Total	27,651,799	31,383,705	27,249,217	59,035,504

TABLE 4

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

Province		February 1960	January 1960	February 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	3,650,090	4,022,789	2,619,471	7,672,879
Alberta (1)	- Gathering	667,128	816,721	176,083	1,483,849
"	- Trunk	1,098,611	1,229,480	2,799,718	2,328,091
Saskatchewan	- Gathering	52,814	76,646	83,074	129,460
"	- Trunk	1,315,558	1,742,176	1,620,993	3,057,734
Manitoba	- Trunk	8,982,777	9,770,533	8,753,985	18,753,316
Ontario (2)	- Trunk	4,470,383	5,155,282	4,248,841	9,625,663
Quebec	- Trunk	7,540,725	8,305,668	7,571,613	15,846,393
Net Delivered	- Gathering	719,942	893,367	259,157	1,613,309
" "	- Trunk	27,058,144	30,225,928	27,614,621	57,284,072
" "	- Total	27,778,086	31,119,295	27,873,778	58,897,381
" "	- Daily average	957,865	1,003,848	995,492	981,623
Includes deliveries to U.S. pipe lines, Grtna, Man.		8,042,264	8,715,785	7,773,782	16,758,049
Includes exports -					
via Trans Mountain Oil Pipe Line Company		1,471,624	1,508,972	673,067	2,980,596
via Interprovincial Pipe Line Company		2,199,117	2,063,388	1,713,357	4,262,505

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		February 1960	January 1960	February 1959	YEAR TO DATE 1960
Barrels Handled - Daily Average					
Gathering Systems	Barrels	539,118	578,279	551,637	559,352
Trunk Lines	"	1,398,022	1,456,808	1,370,167	1,428,395
Total Barrel Miles (Trunk Lines)	Millions	10,646	11,797*	9,976	22,443
Average Miles Per Barrel (Trunk Lines)	Miles	262.6	261.2	262.5	266.9
Employees and Earnings (6)					
Average Number (4)	No.	1,487	1,496	1,548	1,491
Total Salaries and Wages	\$	772,966	756,162	754,950	1,529,128
Man-Hours Worked by Wage Earners (5) (6)	Hours	62,900	69,520	66,114	132,419

(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 Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Nisku Products Pipe Line Company Limited; Peace River Oil Pipe Line Co., Ltd.; Valley Pipe Line Company, Limited and Westspur Pipe Line Company.

* Revised.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES
February, 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 February, 1960	2,777,536	10,730,824	7,566,244	3,762,063	3,199,286	(2) 17,392,838	45,428,791
This year (2 months)	6,399,036	23,061,010	15,887,906	7,789,829	6,535,940	(3) 37,057,819	96,731,540
<u>Total Delivered out of System</u>							
This month February, 1960	2,775,946	10,853,651	7,540,725	3,650,090	3,227,672	(4) 18,203,522	46,251,606
This year (2 months)	6,394,228	22,863,873	15,846,393	7,672,879	6,610,233	(5) 38,693,590	98,081,196
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month February 1960	95,722	-	-	-	110,125	333,271	539,118
This year (2 months)	106,570	-	-	-	108,683	344,099	559,352
<u>Trunk Lines</u>							
This month February, 1960	-	374,264	260,025	125,865	111,299	526,569	1,398,022
This year (2 months)	-	381,065	264,106	127,881	110,171	545,172	1,428,395
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month February, 1960	-	5,766	532	2,468	225	1,655	10,646
This year (2 months)	-	12,259	1,118	5,161	460	3,445	22,443
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month February, 1960	-	496.0	70.6	676.0	69.6	108.4	262.6
This year (2 months)	-	501.0	70.6	673.0	69.6	105.3	266.9
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, February, 1960	112	416	49	214	142	(6) 554	1,487
<u>Salaries and Wages</u>				Dollars			
This month February, 1960	54,854	221,653	23,512	117,105	64,804	(6) 291,038	772,966
This year (2 months)	111,982	431,136	47,652	238,751	131,991	(6) 567,616	1,529,128
<u>Man hours Worked by Wage Earners</u>				Hours			
This month February, 1960	10,455	246	5,576	-	12,162	(6) 34,461	62,900
This year (2 months)	22,030	449	11,399	90	25,052	(6) 73,399	132,419

* Totals include duplication between companies.

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

(2) Includes 4,696,978 bbls. products and 43,969 bbls. natural gasoline.

(3) Includes 10,123,884 bbls. products and 100,633 bbls. natural gasoline.

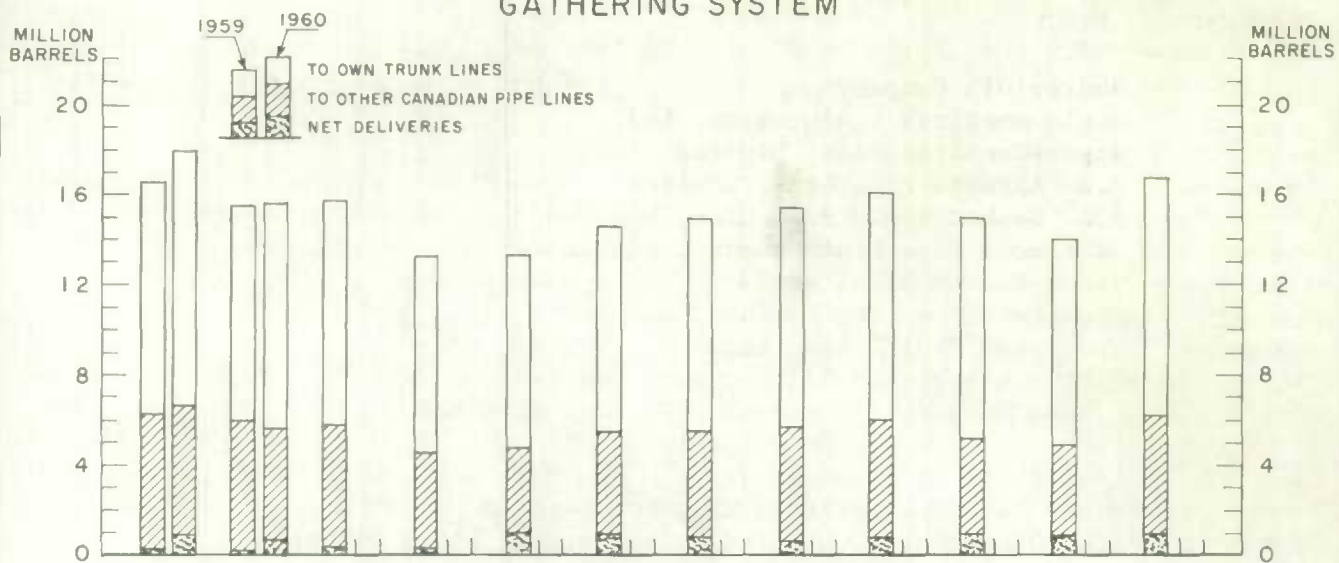
(4) Includes 4,586,651 bbls. products and 42,408 bbls. natural gasoline.

(5) Includes 9,871,293 bbls. products and 95,566 bbls. natural gasoline.

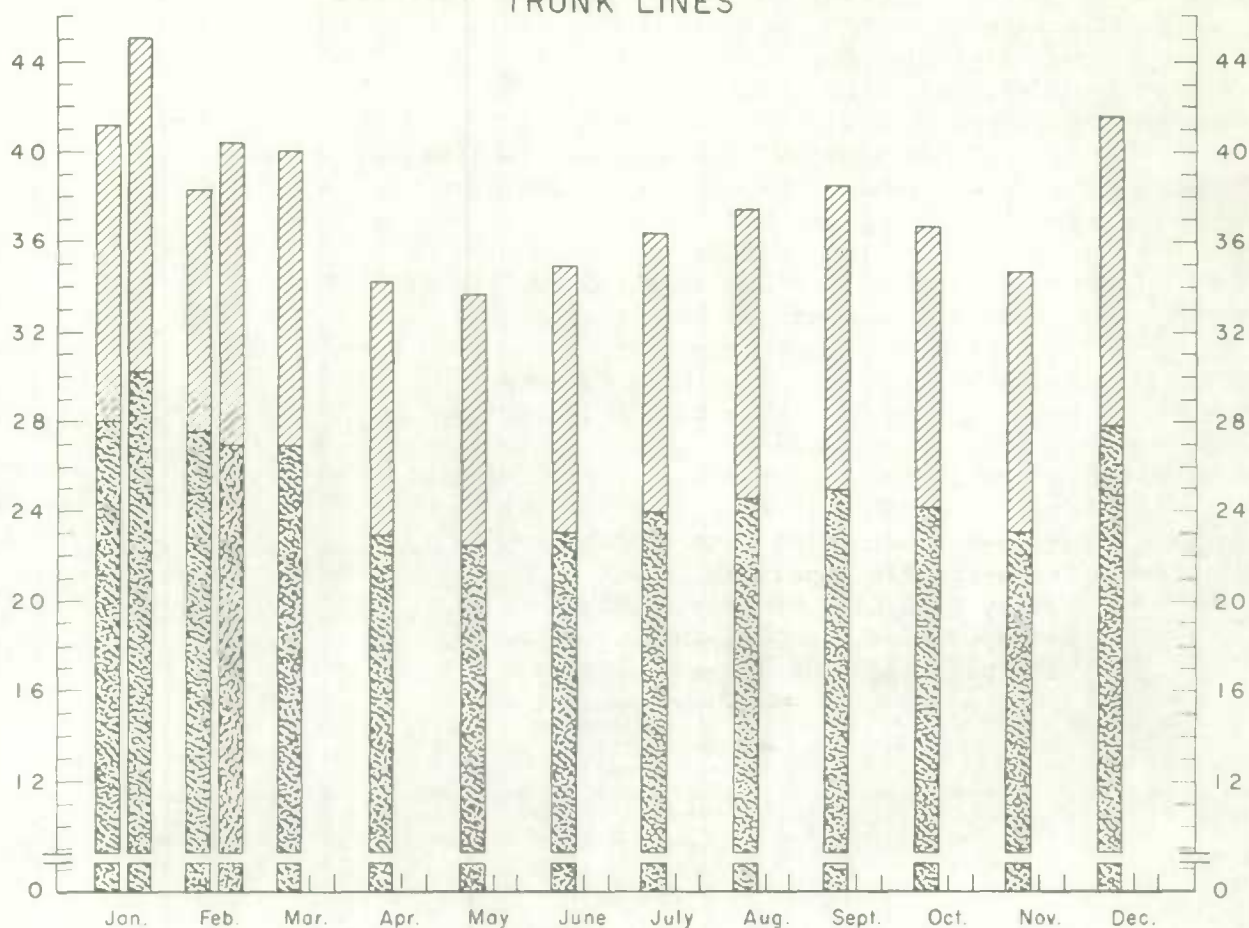
(6) Excludes Amurex Oil Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Nisku Products Pipe Line Company Limited; Peace River Oil Pipe Line Co., Ltd.; Valley Pipe Line Company, Limited and Westspur 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, Ltd.
Anglo-Canadian Oils, Limited
B.A. Alberta Pipe Line, Limited
B.A. Saskatchewan Pipe Line, Limited
Britamoil Pipe Line Company, Limited
Devon-Palmer Oils, Ltd.
Edmonton Pipe Line Company, Limited
Federated Pipe Lines, Ltd.
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 Co., Ltd.
Mid-Saskatchewan Pipe Lines, Ltd.
Montreal Pipe Line Company, Limited
Nisku Products Pipe Line Company, Limited
Peace River Oil Pipe Line Co., Ltd.
Pembina Pipe Line, Ltd.
Producers Pipelines, Ltd.
Rangeland Pipeline Company Limited, Division of
Hudson's Bay Oil and Gas Co., Ltd.
Saskatoon Pipe Line Co., Ltd.
South Saskatchewan Pipe Line Company
Sun-Canadian Pipe Line Company, Ltd.
Sun Pipe Line Company
Texaco Exploration Company, Pipe Line Dept.
Trans Mountain Oil Pipe Line Company
Trans-Northern Pipe Line Company
Trans-Prairie Pipelines, Ltd.
Valley Pipe Line Company, Limited
Westspur Pipe Line Company
Winnipeg Pipe Line Company, Limited.

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