



DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Hon. Gordon Churchill, Minister of Trade and Commerce

Vol. 9, No. 11

Price \$2.00 per year.

OIL PIPE LINE TRANSPORT

November, 1959

Net deliveries of oil through Canadian pipe lines increased 2.8 p.c. in November, rising to 24,068,978 barrels from 23,414,831 barrels in the same month last year. Exports via pipe line were up 32.7 p.c. rising to 2,776,723 barrels from 2,092,864 in 1958, but were down 3.4 p.c. from 2,874,792 barrels last month. The average net delivery of 802,299 barrels compared with 780,494 barrels last year and 809,601 last month. Barrel miles at 8,409 million were 4.4 p.c. below the 8,796 million reported one year ago. The average length of haul at 241.8 miles decreased 7.4 p.c. from 261.1 miles in November, 1958.

Net deliveries for the eleven month period ended November 30, 1959 amounted to 279,606,684 barrels, 12.4 p.c. above the 248,832,686 barrels reported for the same period last year. Provincial deliveries in barrels for January-November were as follows (1958 data in brackets): British Columbia 32,585,051 (27,231,594); Alberta 20,763,181 (14,993,464); Saskatchewan 16,891,894 (14,587,878); Manitoba 91,406,404 (82,013,549); Ontario 41,045,615 (38,560,701) and Quebec 76,914,539 (71,445,500). Included in Manitoba deliveries were 81,480,756 barrels (72,430,922) transferred to the Lakehead Pipe Line Company at Gretna, the bulk of which moved through the United States destined to Ontario refineries. Exports via pipe line are shown in a footnote to table 4.

Gathering lines handled an average of 464,951 barrels per day in November, 8.1 p.c. above the average of 430,245 barrels in the same month last year. Trunk lines averaged 1,159,203 barrels per day as compared with 1,122,832 barrels one year earlier and 1,184,321 in the previous month.

Net receipts during the month of November totalled 24,477,734 barrels, increasing 4.4 p.c. from 23,437,862 barrels reported in 1958. Comprising the current month's receipts were 9,466,999 barrels of Alberta crude, 49,381 barrels of Alberta natural gasoline, 3,811,220 barrels of Saskatchewan crude, 396,844 barrels of Manitoba crude, 6,833,298 barrels of imported crude and 3,919,992 barrels of refinery products.

The number of employees was down 4.3 p.c. from the previous year, dropping to 1,513 from 1,581. Total salaries and wages, on the other hand, increased slightly to \$767,876 from \$754,382 in November, 1958.

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., Mobil Oil of Canada, 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.

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

8504-508-119



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 first eleven months of 1959 per table 6	459,492,504
Received into Trunk Lines from other Canadian Pipe Lines	178,075,480
"Net Received" into Canadian Pipe Line Systems	281,417,024
"Net Received" into Trunk Systems per table 1	125,915,919
"Net Received" into Gathering Systems per table 2	155,501,105
Total Delivered out of Systems - all Companies -	
during first eleven months of 1959 per table 6	466,811,893
Delivered to other Canadian Pipe Lines	187,205,209
"Net Delivered" from Canadian Pipe Line Systems	279,606,684
"Net Delivered" from Trunk Systems per table 1	272,278,828
"Net Delivered" from Gathering Systems per table 2	7,327,856

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 November and are given herewith:

OIL BALANCE - ALL COMPANIES - NOVEMBER 30, 1959

	Barrels	
Total Shippers' Balances - January 1, 1959	10,578,165	
Total Carriers' Balances - January 1, 1959	1,068,896	11,647,061
Received into Gathering Systems January 1 to November 30, 1959	163,750,970	
Received into Trunk Systems January 1 to November 30, 1959	407,536,917	571,287,887
Total oil accountable for period		582,934,948
Delivered from Gathering Systems January to November 30, 1959	163,718,594	
Delivered from Trunk Systems January 1 to November 30, 1959	406,662,193	570,380,787
Balance to be accounted for at November 30, 1959		12,554,161
Oil consumed as fuel and losses January 1 to November 30, 1959		319,523
Balance on hand - November 30, 1959		12,234,638
Total Shippers' Balances - November 30, 1959	11,129,123	
Total Carriers' Balances - November 30, 1959	1,105,515	

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		Crude and Refined Oil
	Sarnia	Clarkson, Port Credit and Trafalgar	Delivered at Sarnia
	Barrels	Barrels	Barrels
November, 1958	4,057,960	1,545,126	175,928
October, 1959	4,115,494	1,921,038	223,712
November, 1959	2,893,185	2,022,036	172,174

TABLE 1

OIL¹ CARRIED BY PIPE LINES - TRUNK

	November 1959	October 1959	November ^r 1958	YEAR TO DATE 1959
	Barrels	Barrels	Barrels	Barrels
1. Total Received* (2+3+4+5)	35,063,733	36,689,788	33,337,167	407,536,917
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	8,976,864	9,654,281	8,329,608	103,545,518
3. Other pipe lines - Gathering	5,461,431	5,565,854	5,103,417	63,661,278
4. Trunk	9,379,625	10,506,247	8,698,865	114,414,202
5. Net Received (6+7+8)	11,245,813	10,963,406	11,205,277	125,915,919
6. Originating on own trunk lines	4,206,619	4,335,415	4,206,224	46,405,405
7. Received from foreign pipe line connections	6,833,298	6,417,257	6,845,981	76,968,179
8. Received from other carriers (rail & truck)	205,896	210,734	153,072	2,542,335
9. Total Delivered* (10+11)	34,776,083	36,713,973	33,684,972	406,662,193
10. Less: Delivered to other Canadian trunk lines	11,630,572	12,532,399	10,433,025	134,383,365
11. Net Delivered (12+13+14)	23,145,511	24,181,574	23,251,947	272,278,828
12. Terminated on own trunk lines	15,660,737	15,200,405	15,373,885	178,075,185
13. Delivered to foreign pipe line connections	7,420,567	8,931,257	7,844,256	93,444,527
14. Delivered to other carriers (truck, rail & water)	64,207	49,912	33,806	759,116

TABLE 2

OIL⁶ CARRIED BY PIPE LINES - GATHERING

	November 1959	October 1959	November ^r 1958	YEAR TO DATE 1959
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	14,020,851	14,869,103	12,894,064	163,750,970
16. Less: Received from other gathering systems	788,930	781,422	661,479	8,249,865
17. Net Received (18+19)	13,231,921	14,087,681	12,232,585	155,501,105
18. Originating on own gathering system	12,958,908	13,822,621	11,989,762	152,199,033
19. Received from other carriers (rail & truck)	273,013	265,060	242,823	3,302,072
20. Total Delivered* (21+22+23)	13,948,521	14,891,421	12,907,352	163,718,594
Less: Delivered to other pipe lines -				
21. Own Trunk system	9,000,240	9,654,281	8,329,608	103,568,894
22. Other pipe lines	4,024,814	4,321,081	4,414,860	52,821,844
23. Net Delivered (24+25)	923,467	916,059	162,884	7,327,856
24. Terminated on gathering systems	807,424	796,596	82,559	6,016,795
25. Delivered to other carriers (rail & truck)	116,043	119,463	80,325	1,311,061

¹ Includes natural gasoline and refinery products.

* Includes duplications.

⁶ Includes natural gasoline.

^r Revised.

TABLE 3

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

Province		November 1959	October 1959	November ^r 1958	YEAR TO DATE 1959
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	9,292,220	10,156,103	8,629,137	112,574,483
"	- Trunk	459,087	428,315	361,937	4,705,276
Saskatchewan	- Gathering	3,542,857	3,526,469	3,175,195	38,334,749
"	- Trunk	268,363	299,418	185,705	3,227,875
Manitoba	- Gathering	396,844	405,109	428,253	4,591,873
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,246,513	2,469,359	2,318,411	26,873,508
Quebec (3)	- Trunk	8,271,850	7,766,314	8,339,224	91,109,260
Net Received	- Gathering	13,231,921	14,087,681	12,232,585	155,501,105
"	- Trunk	11,245,813	10,963,406	11,205,277	125,915,919
"	- Total	24,477,734	25,051,087	23,437,862	281,417,024

TABLE 4

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

Province		November 1959	October 1959	November 1958	YEAR TO DATE 1959
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	2,598,446	3,292,865	2,130,279	32,585,051
Alberta (1)	- Gathering	844,617	846,009	122,626	6,510,684
"	- Trunk	1,224,647	1,210,687	998,382	14,252,497
Saskatchewan	- Gathering	78,850	70,050	40,258	817,172
"	- Trunk	1,434,344	881,119	1,205,340	16,074,722
Manitoba ^b	- Trunk	7,343,462	8,595,881	8,272,297	91,406,406
Ontario (2)	- Trunk	3,690,749	3,824,222	3,823,224	41,045,615
Quebec	- Trunk	6,853,863	6,376,800	6,822,425	76,914,539
Net Delivered	- Gathering	923,467	916,059	162,884	7,327,856
"	- Trunk ^a	23,145,511	24,181,574	23,251,947	272,278,828
"	- Total	24,068,978	25,097,633	23,414,831	279,606,684
"	- Daily average	802,299	809,601	780,494	837,146
^b	Includes deliveries to U.S. pipe lines, Grttna, Man.	6,460,043	7,710,977	7,446,109	81,480,756
^a	Includes exports -				
	via Trans Mountain Oil Pipe Line Company	960,524	1,220,280	398,147	11,963,771
	via Interprovincial Pipe Line Company	1,816,199	1,654,512	1,694,717	18,270,534

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		November 1959	October 1959	November ^r 1958	YEAR TO DATE 1959
Barrels Handled - Daily Average					
Gathering Systems	Barrels	464,951	480,368	430,245	490,175
Trunk Lines	"	1,159,203	1,184,321	1,122,832	1,217,552
Total Barrel Miles (Trunk Lines)	Millions	8,409	9,532 ^r	8,796	103,197
Average Miles Per Barrel (Trunk Lines)	Miles	241.8	260.5	261.1	253.8
Employees and Earnings (6)					
Average Number (4)	No.	1,513	1,527	1,581	1,719
Total Salaries and Wages	\$	767,876	780,987	754,382	8,557,784
Man-Hours Worked by Wage Earners (5) (6)	Hours	69,015	71,568	67,063	779,927

(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.; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Company, Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Mobil Oil of Canada, Ltd.; Nisku Products Pipe Line Company, Ltd.; Peace River Oil Pipe Line Company, Ltd. and Valley Pipe Line Company, Ltd.

^r Revised.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES
November, 1959

	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
				- Barrels -			
TRAFFIC*							
<u>Total Received into System</u>							
This month November, 1959	2,217,622	9,177,508	6,833,298	2,652,088	3,047,106	(2) 15,391,168	39,318,790
This year (11 months)	29,828,367	111,986,933	76,968,179	32,692,504	34,545,174	(3) 173,471,347	459,492,504
<u>Total Delivered out of System</u>							
This month November, 1959	2,214,051	3,920,444	6,853,863	2,598,446	3,036,622	(4) 16,100,938	39,724,364
This year (11 months)	29,836,594	111,253,029	76,914,539	32,585,051	34,552,291	(5) 181,670,389	466,811,893
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month November, 1959	73,802	-	-	-	100,987	290,162	464,951
This year (11 months)	89,331	-	-	-	103,378	297,466	490,175
<u>Trunk Lines</u>							
This month November, 1959	-	297,348	228,462	86,615	101,221	445,557	1,159,203
This year (11 months)	-	333,093	230,283	97,560	103,450	453,166	1,217,552
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month November, 1959	-	4,523	484	1,750	211	1,441	8,409
This year (11 months)	-	57,335	5,427	21,902	2,404	16,129	103,197
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month November, 1959	-	469.0	70.6	673.0	69.6	107.5	241.8
This year (11 months)	-	481.0	70.6	672.0	69.6	106.5	253.8
OPERATING REVENUES 1959							
				Dollars			
Three months ended Mar. 31	751,519	8,685,257	826,440	3,437,294	1,485,811	(6) 7,657,067	22,843,388
Six months " June 30	1,313,632	15,676,403	1,531,925	6,884,345	2,894,578	(6) 14,461,323	42,762,206
Nine months " Sept. 30	1,973,764	23,373,327	2,214,523	11,195,308	4,253,022	(6) 22,052,668	65,062,612
Twelve months " Dec. 31							
EMPLOYEES AND EARNINGS							
				Number			
Employees November, 1959	115	430	50	216	144	(7) 558	1,513
				Dollars			
This month November, 1959	55,894	222,249	25,106	123,690	72,993	(7) 267,944	767,876
This year (11 months)	690,374	2,410,802	283,660	1,353,646	770,219	(7) 3,049,083	8,557,784
				Hours			
This month November, 1959	11,451	801	5,913	509	13,238	(7) 37,103	69,015
This year (11 months)	150,672	6,487	69,113	2,128	151,522	(7) 400,005	779,927

* Totals include duplication between companies.

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

(2) Includes 3,919,992 bbls. products and 49,381 bbls. natural gasoline.

(3) Includes 43,593,192 bbls. products and 535,305 bbls. natural gasoline.

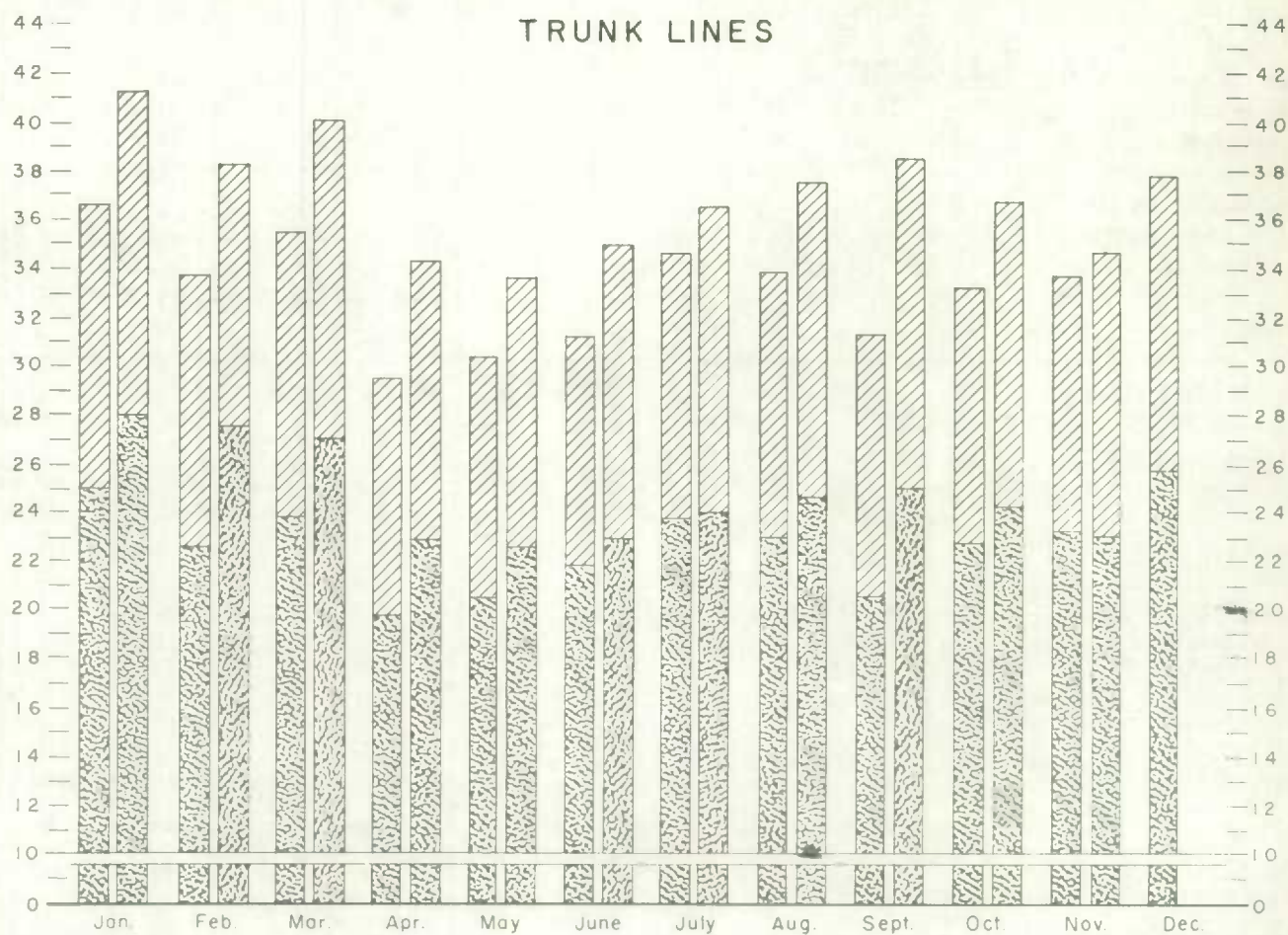
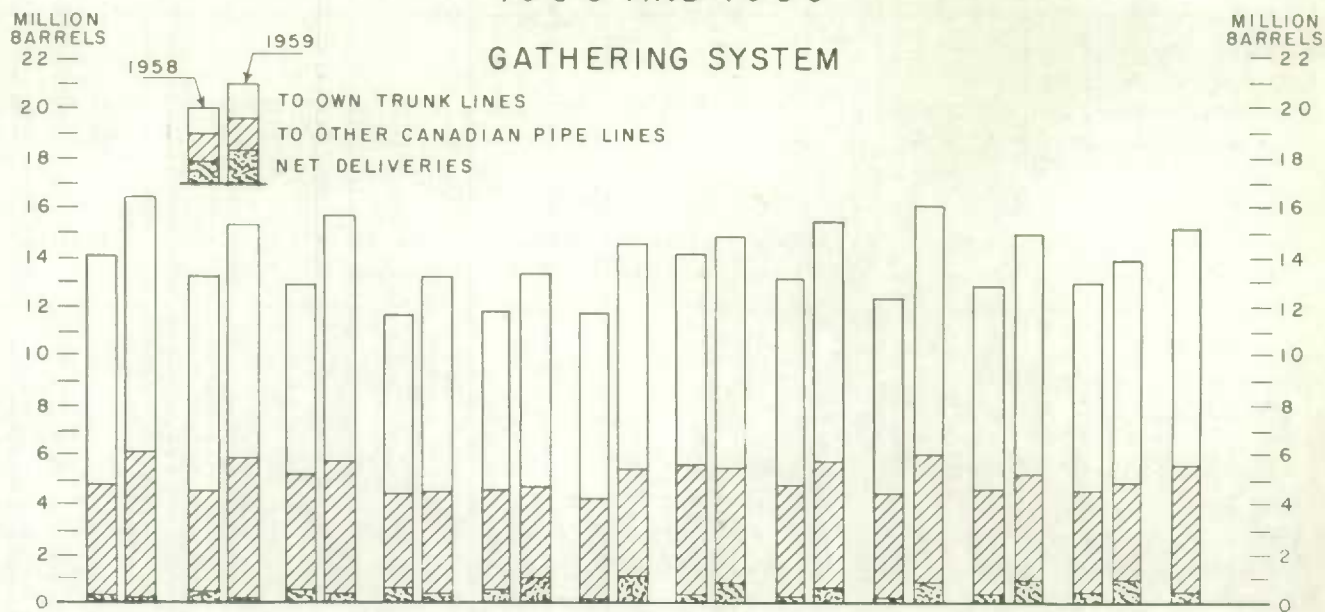
(4) Includes 3,806,853 bbls. products and 80,531 bbls. natural gasoline.

(5) Includes 42,249,731 bbls. products and 548,685 bbls. natural gasoline.

(6) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Goliad Oil and Gas Company; Green River Exploration Company; Imperial Oil, Limited; Sarnia Products Pipe Line and Mobile Oil of Canada Limited.

(7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited; Sarnia Products Pipe Line Division; Key Pipe Line Co., Limited; Mid-Saskatchewan Pipe Lines, Limited; Mobil Oil of Canada, 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 1958 AND 1959



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