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PIPE LINES (OIL) STATISTICS

DECEMBER, 1952

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The December movement of oil through Canadian pipe lines established a new record of 349,965 barrels delivered daily. This new peak was mainly due to the oil movement of three companies who reported their first complete month's operations in December. These companies were, Canadian Gulf Pipe Line Co., Saskatoon Pipe Line Co. Ltd., and Trans-Northern Pipe Line Co. In addition a sustained high level of operations by the Western pipe lines and a near-record movement by Montreal Pipe Line Co. Ltd. contributed to the new high for deliveries. The 349,965 barrels per day in December was 4.6 p.c. above the 334,642 daily in November and 50.5 p.c. higher than the 232,493 barrels delivered each day in December of 1951.

A net 10,848,921 barrels flowed out of the pipe lines during the month. This was 809,658 barrels higher than the November total of 10,039,263 and 3,641,652 barrels or over 50 p.c. above the 7,207,269 moved in December 1951. Trunk line traffic rose from 9,794,425 barrels in November to 10,549,046 in December. Traffic through trunk lines in December, 1951 had totalled 7,081,428 barrels. Gathering system deliveries were 299,875 barrels compared with 244,838 in November and 125,841 during the previous December. All provinces registered increases over the net movement in December, 1951. Deliveries in the several provinces were (December, 1951 figures in brackets): Alberta 1,613,618 barrels (969,209); Saskatchewan 1,138,443 (820,714); Manitoba 2,104,192 (1,452,790); Ontario 1,307,821 (Nil  $\star$ ) and Quebec 4,684,847 (3,964,556) barrels. Included in the Manitoba totals were: via Lakehead Pipe Line Co. to Superior, Wisconsin and thence mainly to Ontario refineries by lake tanker 1,533,714 (867,413) and delivered within the province 570,478 barrels (585,377).

December net receipts of oil for shipment by pipe line in Canada included 5,224,771 barrels of Alberta crude; 48,694 of Alberta natural gasoline, 22,714 of Manitoba crude, 4,685,971 of imported crude and 1,324,474 barrels of refinery products. The petroleum products carried were produced by Ontario and Quebec refineries from both domestic and foreign crudes and were destined mainly for consumption in Ontario.

Net deliveries show that the 1952 total of 107,795,668 barrels is 19,371,161 barrels or 21.9 p.c. higher than the 1951 total of 88,424,507. Deliveries in each province during 1952 were (1951 comparisons in brackets): Alberta 16,053,757 barrels (13,908,046); Saskatchewan 11,164,892 (9,782,698); Manitoba 27,630,314 (19,088,726) Ontario 3,093,944 (Nil  $\star$ ) and Quebec 49,852,761 barrels (45,645,037). The total for Manitoba included 21,620,764 barrels en route to Superior, Wisconsin, principally for delivery to Ontario refineries. This movement was up 6,995,009 barrels or 48.2 p.c. from the total of 14,525,755 in 1951.

Gathering systems handled a daily average of 148,437 barrels in December, far ahead of the 100,894 moved each day in December, 1951. An average of 426,441 barrels were handled per diem by trunk lines, up 140,177 barrels a day from the 286,264 daily the previous December. Oil transport accomplished by trunk lines in December, 1952, as measured by distance moved totalled 2,883 million barrel miles against 1,894 million one year earlier. The annual total for 1952 was 31,978 million barrel miles, a gain of 35.4 p.c. over 1951 at 23,615 million. The average length of haul in December was 218.1 miles and for the whole of 1952, 243.9 miles. These mileages compare with 212.2 per barrel in December, 1951 and 237.4 miles per barrel during the year 1951.

Earnings of 905 employees reported for December were \$361,513 while the 899 employed in November received \$332,519 and 592 persons had earnings of \$201,290 in December of 1951. Employment thus increased 52.9 p.c. and earnings 79.6 p.c. as compared with the same month of 1951.

The Montreal Pipe Line delivered 4,684,847 barrels during December to bring its total for the year to 49,852,761. Imperial Pipe Line transported 43,871,725 barrels in 1952, being the second largest oil carrier (by volume) in Canada. The Imperial facilities handled a daily average of 114,772 barrels in gathering system during 1952, while the Montreal line reported a daily 136,210 barrels in trunk lines. The Interprovincial Pipe Line performed a traffic movement of 2,127,000,000 barrel miles in December thus bringing its total for the year to some 26,740,000,000.

$\star$  In November Canadian Gulf Pipe Line Co. purchased the gathering system of Socony-Vacuum Exploration Co. as an adjunct to Canadian Gulf's new trunk line to Edmonton.

$\star$  Operations of the Sarnia Products Pipe Line Division of Imperial Oil Ltd. commenced in March of 1952. Revenue and employee data for the pipe line 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 Anglo-Canadian Oils Limited pipe line in Manitoba have been omitted. Data on the activities of these companies have been shown in all other applicable sections of the report. Trans-Northern Pipe Line Company made its first deliveries of refinery products to Ontario terminals in November, 1952. This line runs from Montreal to Hamilton with a spur serving Ottawa.

Price per year \$1.00

 $\star$  Revised.

Prepared in the Public Finance and Transportation Division

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

	BARRELS
Total Received into Systems - all companies - during	
twelve months of 1952 per table 6 .....	159,242,307
Received into Trunk Lines from Other Canadian Pipe Lines .....	50,423,619
"Net Received" into Canadian Pipe Line Systems.....	108,818,688
"Net Received" into Trunk Systems per table 1 .....	59,016,875
"Net Received" into Gathering Systems per table 2 .....	49,801,813
Total Delivered out of Systems - all companies - during	
twelve months of 1952, per table 6 .....	158,195,902
Delivered to other Canadian Pipe Lines .....	50,400,234
"Net Delivered" from Canadian Pipe Line Systems .....	107,795,668
"Net Delivered" from Trunk Systems per table 1 .....	105,791,322
"Net Delivered" from Gathering Systems per table 2 .....	2,004,346

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 the twelve-month period covered by this report and are given herewith:

OIL BALANCE - ALL COMPANIES - JANUARY - DECEMBER, 1952

	<u>Barrels</u>	<u>Barrels</u>
Total Shippers Balances - January 1, 1952 .....	2,080,246	
Total Carriers Balances- January 1, 1952 .....	333,584	2,413,830
Received into Gathering Systems January 1 to December 31, 1952 .....	49,801,813	
Received into Trunk Systems January 1 to December 31, 1952 .....	132,194,928	181,996,741
Total oil accountable for period .....		184,410,571
Delivered from Gathering Systems, January 1 to December 31, 1952 .....	49,830,852	
Delivered from Trunk Systems, January 1 to December 31, 1952 .....	131,119,484	180,950,336
Balance to be accounted for at December 31, 1952 .....		3,460,235
Oil consumed as fuel and losses .....		287,305
Balance on hand - December 31, 1952 .....		3,172,930
Total Shippers Balances - December 31, 1952 .....	2,999,353	
Total Carriers Balances - December 31, 1952 .....	173,577	

Two trunk lines cross the St. Clair River from the United States at Sarnia. The limited nature of their operations and shortness of the lines are such that they have been considered for purposes of this report merely as connections to refinery facilities in Canada and are not included in Canadian oil pipe line statistics. A summary of oil delivered by the two pipe lines follows:

Month	Transit and Storage Co. Crude Petroleum	San Pipe Line Co. Fuel and Other Refined Oil
	Barrels	Barrels
December, 1951 .....	656,839	51,230
November, 1952 .....	260,256	35,862
December, 1952 .....	944,655	49,419
Year to Date, 1952 (twelve months)..	7,441,199	803,659



TABLE 1

OIL <sup>/</sup>CARRIED BY PIPE LINES - TRUNK

	DECEMBER 1962	<sup>x</sup> NOVEMBER 1962	DECEMBER 1961	YEAR TO DATE 1962
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received</u> * (2+3+4+5)	13,706,044	12,242,709	9,042,546	132,194,928
Less : Received from other Canadian pipe lines-				
2. Own gathering system	2,262,772	2,039,592	1,536,119	22,754,434
3. Other pipe lines - Gathering	2,041,120	2,077,802	1,552,297	25,108,014
4. Trunk	2,675,075	2,454,806	1,829,117	25,315,605
5. Net Received (6+7+8)	6,726,077	5,670,509	4,125,013	59,016,875
6. Originating on own trunk lines	2,017,392	1,428,888	-	7,243,602
7. Received from foreign pipe line connections	4,685,971	4,228,527	3,975,965	49,861,262
8. Received from other carriers (rail & truck)	22,714	13,094	149,048	1,912,111
9. <u>Total Delivered</u> * (10+11)	13,219,657	12,239,733	8,923,559	131,119,484
10. Less: Delivered to other Canadian trunk lines	2,670,611	2,445,308	1,842,131	25,328,162
11. Net Delivered (12+13+14)	10,549,046	9,794,425	7,081,428	105,791,322
12. Terminated on own trunk lines	9,015,332	7,380,485	6,214,015	84,270,558
13. Delivered to foreign pipe line connections	1,533,714	2,413,940	867,413	21,520,764
14. Delivered to other carriers (rail & truck)	-	-	-	-

\* Includes duplications

<sup>/</sup> Includes products and natural gasoline

x Revised.

TABLE 2

OIL <sup>/</sup>CARRIED BY PIPE LINES - GATHERING

	DECEMBER 1962	NOVEMBER 1962	<sup>x</sup> DECEMBER 1961	YEAR TO DATE 1962
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received</u> (16+17)	4,580,547	4,383,432	3,215,791	49,801,813
16. Less: Received from other gathering systems	-	-	-	-
17. Net Received (18+19)	4,580,547	4,383,432	3,215,791	49,801,813
18. Originating on own gathering system	4,438,904	4,170,671	3,210,433	49,343,088
19. Received from other carriers (rail & truck)	141,643	212,761	5,358	458,725
20. <u>Total Delivered</u> * (21+22+23)	4,601,552	4,359,972	3,212,160	49,830,862
Less : Delivered to other pipe lines -				
21. Own trunk system	2,262,772	2,039,592	1,536,119	22,754,434
22. Other pipe lines	2,038,905	2,075,542	1,550,200	25,072,072
23. Net Delivered (24+25)	299,875	244,838	125,841	2,004,346
24. Terminated on gathering systems	37,192	387	36,088	363,009
25. Delivered to other carriers (rail & truck)	262,683	244,451	89,753	1,641,337

\* Includes duplications.

<sup>/</sup> Includes natural gasoline.

x Revised.

TABLE 3

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

Province	DECEMBER 1952	<sup>x</sup> NOVEMBER 1952	<sup>x</sup> DECEMBER 1951	YEAR TO DATE 1952
	Barrels	Barrels	Barrels	Barrels
Alberta <sup>(1)</sup> - Gathering	4,580,547	4,383,432	3,215,791	49,801,813
- Trunk	692,918	644,386	149,048	5,645,395
Manitoba - Trunk	22,714	13,094	-	47,067
Ontario <sup>(2)</sup> - Trunk	846,250	508,014	-	2,708,439
Quebec <sup>(3)</sup> - Trunk	5,164,195	4,505,015	3,975,965	50,615,974
Net Received -Trunk	6,726,077	5,670,509	4,125,013	59,016,875
Total	11,306,624	10,053,941	7,340,804	108,818,688

OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENTS TERMINATED

TABLE 4

OR WERE TRANSFERRED TO OTHER CARRIERS

Province	DECEMBER 1952	NOVEMBER 1952	<sup>x</sup> DECEMBER 1951	YEAR TO DATE 1952
	Barrels	Barrels	Barrels	Barrels
Alberta <sup>(1)</sup> - Gathering	299,875	244,838	125,841	2,004,346
- Trunk	1,313,743	1,099,591	843,368	14,049,411
Saskatchewan-Trunk	1,138,443	972,746	820,714	11,154,892
Manitoba // - Trunk	2,104,192	2,837,997	1,452,790	27,630,314
Ontario <sup>(2)</sup> - Trunk	1,307,821	545,473	-	3,093,944
Quebec - Trunk	4,684,847	4,338,618	3,964,556	49,852,761
Net Delivered - Trunk	10,549,046	9,794,425	7,081,428	105,791,322
Total	10,848,921	10,039,263	7,207,269	107,795,668
// Including deliveries to U.S. pipe lines at Gretna, Man.	1,533,714	2,413,940	867,413	21,520,764

TABLE 5

OPERATING STATISTICS

	DECEMBER 1952	NOVEMBER 1952	<sup>x</sup> DECEMBER 1951	YEAR TO DATE 1952
Barrels Handled - Daily Average				
Gathering Systems Barrels	148,437	145,332	100,894	134,838
Trunk Lines "	426,441	407,991	286,264	358,250
Total Barrel Miles (Trunk Lines) Millions	2,883	3,166	1,894	31,978
Average Miles per Barrel (Trunk Lines) Miles	218.1	258.7	212.2	243.9
Employees and Earnings (6)				
Average Number (4) Number	905	899	592	697
Total Salaries and Wages \$	361,613	332,519	201,290	2,933,024
Man Hours worked by Wage Earners (5) (6) Hours	50,478	47,487	33,113	498,095

(1) Includes natural gasoline.

(2) Products of refineries.

(3) Receipts from U.S. pipe lines at Highwater, Que.

(4) Includes salaried employees.

(5) Includes overtime

(6) Excludes Anglo-Canadian Oils Limited and Sarnia Products Line.

<sup>x</sup> Revised.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

DECEMBER, 1952

TRAFFIC AND OPERATING STATISTICS	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (1)	Total
<b>TRAFFIC *</b>					
<u>Total Received into System</u>			<u>Barrels</u>		
This month (December, 1952)	3,843,582	3,750,828	4,685,971	(2) 3,742,438	16,022,819
This year (12 months)	43,829,580	41,819,809	49,861,262	(3) 23,731,656	159,242,307
<u>Total Delivered out of System</u>					
This month (December, 1952)	3,841,774	3,369,091	4,684,847	(4) 3,662,725	15,558,437
This year (12 months)	43,871,725	41,281,157	49,852,761	(5) 23,190,259	158,195,902
<b>OPERATING STATISTICS</b>					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (December, 1952)	123,928	-	-	24,609	148,437
This year (12 months)	114,772	-	-	20,066	134,838
<u>Trunk Lines</u>					
This month (December, 1952)	61,616	108,680	151,124	105,021	426,441
This year (12 months)	59,002	112,790	136,210	50,248	358,250
<u>Total Barrel Miles</u>					
<u>(Trunk Lines - in millions)</u>					
This month (December, 1952)	34	2,127	344	378	2,883
This year (12 months)	383	26,740	3,670	1,185	31,978
<u>Average Miles per Barrel</u>					
<u>(Trunk Lines)</u>					
This month (December, 1952)	17.7	631.0	73.6	116.1	218.1
This year (12 months)	17.7	648.0	73.6	64.4	243.9

REVENUE AND EMPLOYEES	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (6)	Total
<b>OPERATING REVENUES</b>			<u>Dollars</u>		
Three Months ending March 31, 1952	651,976	2,308,982	381,109	386,539	3,728,606
Six months ending June 30, 1952	1,549,965	5,944,947	785,908	804,291	9,085,111
Nine Months ending Sept. 30, 1952	2,573,199	10,225,594	1,243,928	1,364,862	15,407,583
Twelve Months ending Dec. 31, 1952	3,497,283	13,922,689	1,674,820	2,176,216	21,271,008
<b>EMPLOYEES AND EARNINGS</b>			<u>Number</u>		
Number of employees (December, 1952)	221	322	39	323	905
<u>Salaries and Wages</u>			<u>Dollars</u>		
This Month (December, 1952)	75,939	131,058	18,293	136,223	361,513
This Year (12 months)	874,852	1,373,575	182,110	502,487	2,933,024
<u>Man Hours Worked by Wage Earners</u>			<u>Hours</u>		
This month (December, 1952)	29,064	1,346	1,260	18,808	50,478
This year (12 months)	344,445	13,994	23,018	116,638	498,095

- (1) Anglo-Canadian Oils, Limited  
 B.A. Alberta Pipe Line Limited  
 B.A. Saskatchewan Pipe Line Limited  
 Canadian Gulf Oil Co.  
 Canadian Gulf Pipe Line Co.  
 Edmonton Pipe Line Co., Limited  
 Imperial Oil Ltd. - Sarnia Products Pipe Line Division  
 Saskatoon Pipe Line Co. Ltd.  
 Texaco Exploration Company  
 Trans-Northern Pipe Line Co.  
 Valley Pipe Line Company Limited  
 Winnipeg Pipe Line Company Limited

\* Totals include duplications between companies.

- (6) B.A. Alberta Pipe Line, Limited  
 B.A. Saskatchewan Pipe Line, Limited  
 Canadian Gulf Oil Co.  
 Canadian Gulf Pipe Line Co.  
 Edmonton Pipe Line Company, Limited  
 Saskatoon Pipe Line Co. Ltd.  
 Texaco Exploration Company.  
 Trans-Northern Pipe Line Co.  
 Valley Pipe Line Company, Limited.  
 Winnipeg Pipe Line Company, Limited.

- (2) Includes 1,324,474 bbls. Products and 48,694 bbls. natural gasoline.  
 (3) " 3,463,151 " " 471,070 " " "  
 (4) " 1,307,821 " " 53,553 " " "  
 (5) " 3,093,944 " " 467,568 " " "





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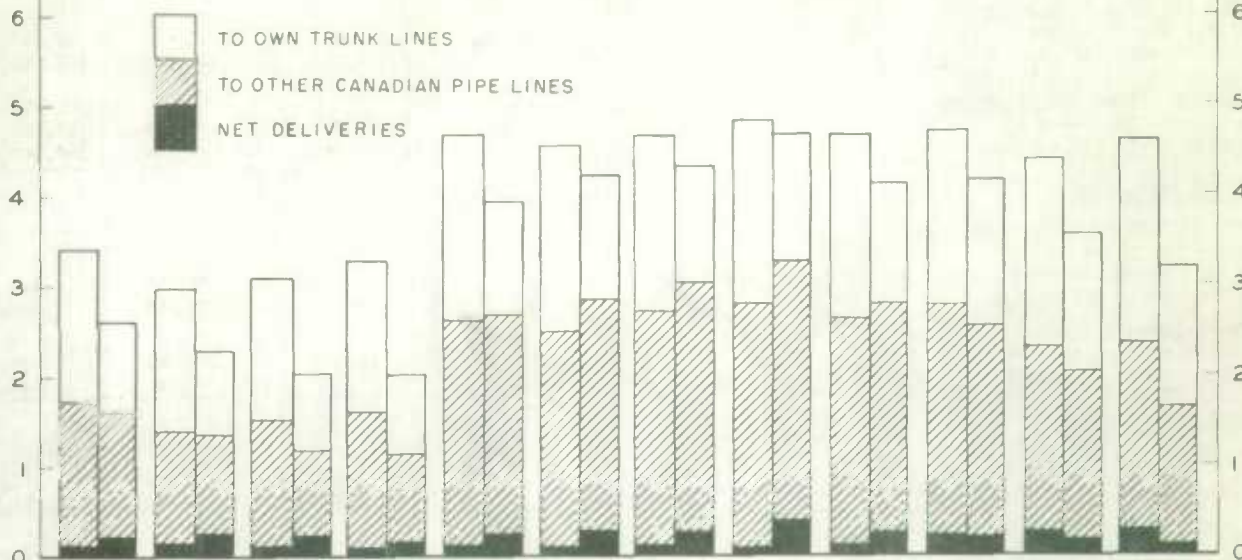
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# MONTHLY OIL\* DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1951 AND 1952

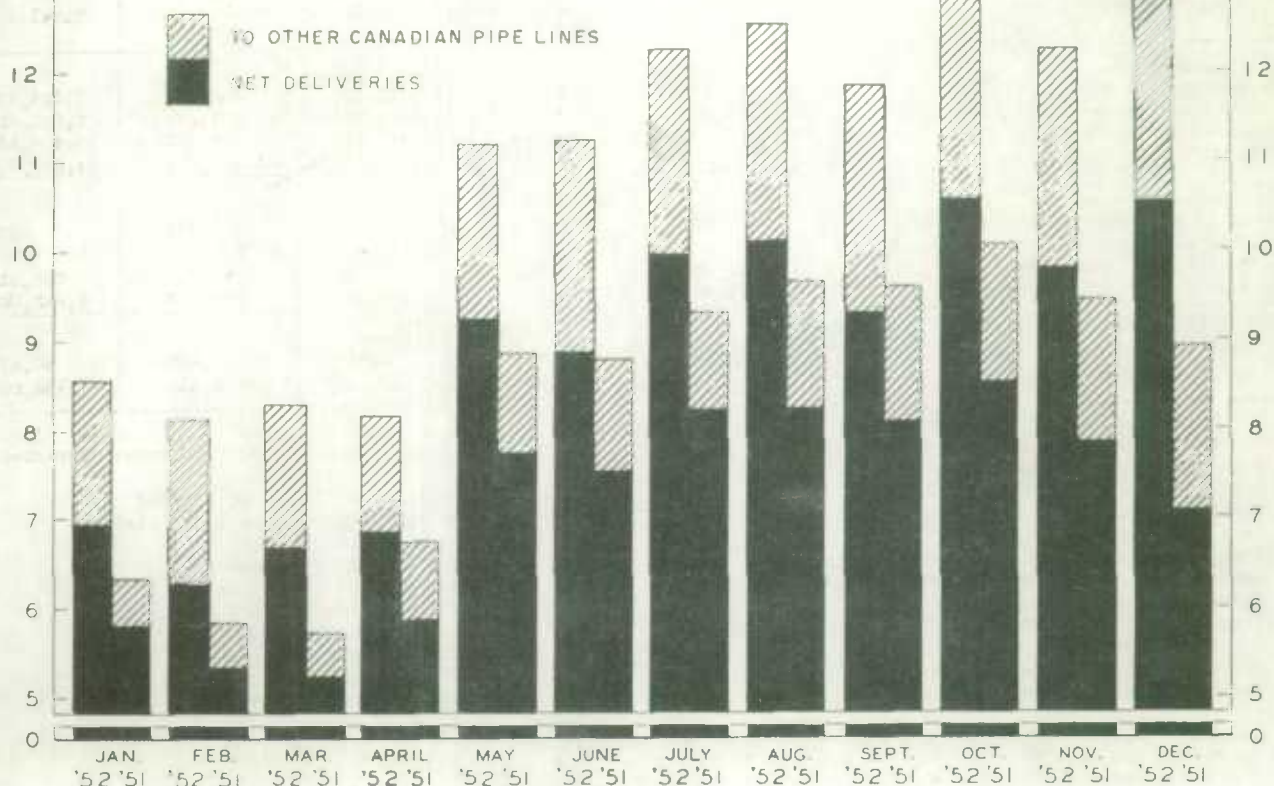
MILLION  
BARRELS

MILLION  
BARRELS

## GATHERING SYSTEMS



## TRUNK LINES



\* CRUDE PLUS SOME NATURAL GASOLINE AND PRODUCTS