

D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada

8504-508
21-2-53VOL. 2
No. 11PIPE LINES (OIL) STATISTICSNOVEMBER, 1952

A daily net average of 331,309 barrels of oil was delivered out of Canadian pipe lines during November compared with a revised 349,927 barrels in October and an average 268,274 barrels per day in November of 1951. The daily average during the recent November represented a decline of 5.3 p.c. from October but a 23.5 p.c. advance over the average volume moved each day in the previous November. The greatly increased output and delivery of domestic crude has sharply reduced Canada's dependence on foreign oils.

Net deliveries during the month totalled 10,039,263 barrels, down 808,479 from the revised October total of 10,847,742, and 1,991,031 barrels above the November, 1951 movement. Trunk line traffic totalled 9,794,425 barrels, 772,645 less than in October but 1,924,224 above trunk line deliveries in November, 1951. All provinces registered increases over combined trunk and gathering line movement in November, 1951, the comparison between the two periods being as follows (November 1951 data shown in brackets): Alberta 1,344,429 (1,245,796); Saskatchewan 972,746 (699,124); Manitoba 2,837,997 (2,007,857); Ontario 545,473 (Nil*) and Quebec 4,338,618 (4,095,455). Included in Manitoba deliveries is oil passing to the Lakehead Pipe Line Co. destined mainly for Sarnia and other Ontario ports. These deliveries amounted to 2,413,940 barrels in the current November compared with 1,511,842 during November, 1951.

Net receipts of oil for movement in the Canadian pipe lines during November included 4,998,277 barrels of Alberta crude, 42,635 barrels of Alberta natural gasoline, 4,228,527 barrels of imported crude and 784,502 barrels of refined oils, gasolines, etc. produced by Ontario and Quebec refineries for distribution through new products pipelines. During the first eleven months of 1952 a net total of 96,946,747 barrels delivered brought a 19.4 p.c. increase over the 81,190,531 barrels delivered in the corresponding period of 1951. Deliveries out of pipelines in the provinces to the end of November were (1951 data in brackets): Alberta 14,440,139 (12,912,130) barrels; Saskatchewan 10,026,449 (8,961,984); Manitoba 25,526,122 (17,635,936); Ontario 1,786,123 (Nil*) and Quebec 45,167,914 (41,680,481) barrels. Manitoba totals included 19,987,050 barrels (13,658,342) transferred to the United States sector of the Interprovincial pipe line and scheduled principally for delivery to Ontario points by lake tanker.

Gathering systems handled an average of 145,332 barrels per day during November, down some 7,737 barrels from the intake of 153,069 per day in October but well above the 118,925 received daily in November, 1951. The daily average of 407,991 barrels handled by trunk systems in the month under review showed a gain of 92,109 barrels per day over the 315,882 transported every day during November, 1951. The average length of haul by trunk lines in November 1952 was 258.7 miles and the traffic movement totalled 3,166 million barrel miles. Trunk movement in the previous November totalled 2,266 million barrel miles, some 900 M. B. M. lower than in the month under review while average haul or distance moved per barrel at 239.1 miles was almost 20 miles less. Traffic movement in the first eleven months of this year passed the 29 billion barrel miles mark while the movement to November 30th, 1951 was some 21.7 billion. Average haul of oil in the first eleven months of 1952 was 246.8 miles compared with 239.8 miles in the same period of last year.

Persons employed in November numbered 899 and earned \$332,519 while the 562 persons employed in November, 1951 had earnings of \$183,941. Wage earners worked 47,487 hours in November versus 32,166 hours one year earlier. Employment and earnings improved sharply due to new companies operating and increased overtime worked.

In the eleven-month period to November 30 the Montreal pipe line delivered 45,167,914 barrels including 4,338,618 during the month under review. Imperial Pipe Line Co. handled a daily average of 125,405 barrels in its gathering system during November raising the daily average for that system to 113,925 barrels per day in the eleven months. Montreal Pipe Line Co. handled 144,621 barrels per day in its trunk lines bringing the average during the January 1 to November 30 period to 134,830 barrels daily. Traffic movement performed by Interprovincial Pipe Line in November totalled over 2.6 billion barrel miles increasing the eleven-month total for the company's transport activities to over 24.6 billion or over 84 p.c. of the total for all companies which was 29.1 billion barrel miles. This report includes initial reports from the following companies: Canadian Gulf Oil Co. and Canadian Gulf Pipe Line Co. operating in Alberta; Saskatoon Pipe Line Co. with operations in Saskatchewan and Trans-Northern Pipe Line Co. which transports products from Montreal refineries to a number of Ontario distributing points.

*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 and that of the Socony-Vacuum Exploration Co. in Alberta have been omitted. Data on the activities of these companies have been shown in all other applicable sections of the report.

Price per year \$1.00

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.

	<u>Barrels</u>
Total Received into Systems - all companies - during first eleven months of 1952 per table 6	143,219,314
Received into Trunk Lines from Other Canadian Pipe Lines	45,707,250
"Net Received" into Canadian Pipe Line Systems	97,512,064
"Net Received" into trunk Systems per table 1	52,290,798
"Net Received" into Gathering Systems per table 2	45,221,266
 Total Delivered out of Systems - all companies - during first eleven months of 1952, per table 6	 142,637,465
Delivered to other Canadian Pipe Lines	45,690,718
"Net Delivered" from Canadian Pipe Line Systems	96,946,747
"Net Delivered" from Trunk Systems per table 1	95,242,276
"Net Delivered" from Gathering Systems per table 2	1,704,471

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

OIL BALANCE - ALL COMPANIES - JANUARY - NOVEMBER, 1952

	<u>Barrels</u>	<u>Barrels</u>
Total Shippers Balances - January 1, 1952	2,080,246	
Total Carriers Balance - January 1, 1952	333,584	2,413,830
Received into Gathering Systems January 1 to November 30, 1952	45,221,266	
Received into Trunk Systems January 1 to November 30, 1952	118,489,710	163,710,976
Total oil accountable for period		166,124,806
Delivered from Gathering Systems, January 1 to November 30, 1952	45,229,300	
Delivered from Trunk Systems, January 1 to November 30, 1952	117,899,827	163,129,127
Balance to be accounted for at November 30, 1952		2,995,679
Oil consumed as fuel and losses		257,839
Balance on hand - November 30, 1952		2,737,840
Total Shippers Balances - November 30, 1952	2,518,484	
Total Carriers Balances - November 30, 1952	219,356	

Two trunk lines cross the St. Clair River from the United States at Sarnia. The limited nature of their domestic 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 <u>Barrels</u>	Sun Pipe Line Co. Fuel and Other Refined Oil <u>Barrels</u>
November, 1951	635,950	55,190
October, 1952	239,810	43,900
November, 1952	260,256	35,862
Year to Date, 1952 (eleven months) ..	6,496,544	554,240

TABLE 1

OIL⁺ CARRIED BY PIPE LINES - TRUNK

	NOVEMBER 1952	OCTOBER 1952	NOVEMBER 1951	YEAR TO DATE 1952
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received*</u> (2+3+4+5)	12,242,535	12,887,126	9,293,883	118,489,710
Less: Received from other Canadian pipe lines -				
2. Own gathering system	2,039,592	1,920,788	1,541,168	20,491,662
3. Other pipe lines - Gathering	2,077,802	2,546,607	1,850,880	23,066,894
4. Trunk	2,454,632	2,412,174	1,628,463	22,640,356
5. <u>Net Received</u> (5+7+8)	5,670,509	6,007,557	4,273,372	52,290,798
6. Originating on own trunk lines	1,428,888	972,942	-	5,226,110
7. Received from foreign pipe line connections	4,228,527	4,760,438	4,057,309	45,175,291
8. Received from other carriers (rail & truck)	13,094	274,177	216,063	1,889,397
9. <u>Total Delivered*</u> (10+11)	12,239,733	12,978,684	9,474,665	117,899,827
10. Less: Delivered to other Canadian trunk lines	2,445,308	2,411,614	1,604,464	22,657,551
11. <u>Net Delivered</u> (12+13+14)	9,794,425	10,567,070	7,870,201	95,242,276
12. Terminated on own trunk lines	7,380,485	8,112,088	6,358,359	75,255,226
13. Delivered to foreign pipe line connections	2,413,940	2,454,982	1,511,842	19,987,050
14. Delivered to other carriers (rail & truck)	-	-	-	-

* Includes duplications.

⁺ Includes products and natural gasoline.

TABLE 2

OIL⁺ CARRIED BY PIPE LINES - GATHERING

	NOVEMBER 1952	x OCTOBER 1952	NOVEMBER 1951	YEAR TO DATE 1952
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received</u> (16+17)	4,383,432	4,740,125	3,555,152	45,221,266
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received</u> (18+19)	4,383,432	4,740,125	3,555,152	45,221,266
18. Originating on own gathering system	4,170,671	4,729,141	3,550,264	44,904,184
19. Received from other carriers (rail & truck)	212,761	10,984	4,888	317,082
20. <u>Total Delivered*</u> (21+22+23)	4,359,972	4,745,155	3,567,758	45,229,300
Less: Delivered to other pipe lines-				
21. Own Trunk system	2,039,592	1,920,788	1,541,168	20,491,662
22. Other pipe lines	2,075,542	2,543,695	1,848,559	23,033,167
23. <u>Net Delivered</u> (24+25)	244,838	280,672	178,031	1,704,471
24. Terminated on gathering systems	387	289	34,280	325,817
25. Delivered to other carriers (rail & truck)	244,451	280,383	143,751	1,378,654

* Includes duplications.

⁺ Includes natural gasoline.

x Revised.

TABLE 3

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

Province	NOVEMBER 1 9 5 2	x OCTOBER 1 9 5 2	NOVEMBER 1 9 5 1	YEAR TO DATE 1 9 5 2
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	4,383,432	4,740,125	3,555,152	45,221,266
- Trunk	657,480	865,420	216,063	4,976,830
Ontario (2) - Trunk	508,014	381,699	-	1,862,189
Quebec (3) - Trunk	4,505,015	4,760,438	4,057,309	45,451,779
Net Received - Trunk	5,670,509	6,007,557	4,273,372	52,290,798
Total	10,053,941	10,747,682	7,828,524	97,512,064

TABLE 4

OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENTS TERMINATED
OR WERE TRANSFERRED TO OTHER CARRIERS

Province	NOVEMBER 1 9 5 2	x OCTOBER 1 9 5 2	NOVEMBER 1 9 5 1	YEAR TO DATE 1 9 5 2
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	244,838	280,672	178,031	1,704,471
- Trunk	1,099,591	1,374,874	1,067,765	12,735,668
Saskatchewan - Trunk	972,746	1,182,367	699,124	10,026,449
Manitoba / - Trunk	2,837,997	2,965,195	2,007,857	25,526,122
Ontario (2) - Trunk	545,473	323,829	-	1,786,123
Quebec - Trunk	4,338,618	4,720,805	4,095,455	45,167,914
Net Delivered - Trunk	9,794,425	10,567,070	7,870,201	95,242,276
Total	10,039,263	10,847,742	8,048,232	96,946,747
/ Including deliveries to U.S. pipe lines at Gretna, Man.	2,413,940	2,454,982	1,511,842	19,987,050

TABLE 5

OPERATING STATISTICS

	NOVEMBER 1 9 5 2	x OCTOBER 1 9 5 2	NOVEMBER 1 9 5 1	YEAR TO DATE 1 9 5 2
Barrels Handled - Daily Average				
Gathering Systems Barrels	145,332	153,069	118,925	135,013
Trunk Lines "	407,991	418,667	315,822	351,940
Total Barrel Miles (Trunk Lines) Millions	3,166	3,362	2,266	29,097
Average Miles per Barrel (Trunk Lines) Miles	258.7	258.8	239.1	246.8
Employees and Earnings (6)				
Average Number (4) No.	899	707	562	679
Total Salaries and Wages \$	332,519	248,712	183,941	2,571,511
Man Hours Worked by Wages Earners (5) (6) Hours	47,487	43,464	32,166	447,617

(1) Includes natural gasoline.

(2) Products of refineries.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Anglo-Canadian Oils Limited, Sarnia Products Line and Socony-Vacuum Exploration Co.

x Revised.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

NOVEMBER, 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
TRAFFIC *					
<u>Total Received into System</u>			<u>Barrels</u>		
This month (November, 1952)	3,762,507	3,842,014	4,228,527	(2) 2,753,327	14,586,375
This year (11 months)	39,985,998	38,068,981	45,175,291	(3) 19,989,044	143,219,314
<u>Total Delivered out of System</u>					
This month (November, 1952)	3,762,137	3,973,127	4,338,618	(4) 2,486,231	14,560,113
This year (11 months)	40,029,951	37,912,066	45,167,914	(5) 19,527,534	142,637,465
OPERATING STATISTICS					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (November, 1952)	125,405	-	-	19,927	145,332
This year (11 months)	113,925	-	-	21,088	135,013
<u>Trunk Lines</u>					
This month (November, 1952)	61,379	132,438	144,621	69,553	407,991
This year (11 months)	58,760	113,170	134,830	45,180	351,940
<u>Total Barrel Miles</u>			<u>Miles</u>		
<u>(Trunk Lines - in millions)</u>					
This month (November, 1952)	33	2,647	319	167	3,166
This year (11 months)	349	24,613	3,326	809	29,097
<u>Average Miles Per Barrel</u>					
<u>(Trunk Lines)</u>					
This month (November, 1952)	17.8	666.0	73.6	80.6	258.7
This year (11 months)	17.7	649.0	73.6	53.5	246.8

Revenue and Employees	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (6)	Total
OPERATING REVENUES			<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	x 804,291	x 9,085,111
Nine Months ending September 30, 1952	2,573,199	10,225,594	1,243,928	x 1,364,862	x 15,407,583
EMPLOYEES AND EARNINGS			<u>Number</u>		
Number of employees (November, 1952)	223	316	51	309	899
<u>Salaries and Wages</u>			<u>Dollars</u>		
This month (November, 1952)	73,247	119,053	16,621	123,598	332,519
This year (11 months)	798,913	1,242,517	163,817	366,264	2,571,511
<u>Man Hours Worked by Wage Earners</u>			<u>Hours</u>		
This month (November, 1952)	27,780	726	2,150	16,831	47,487
This year (11 months)	315,381	12,648	21,757	97,831	447,617

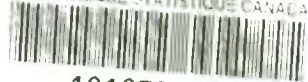
- (1) Anglo-Canadian Oils Limited.
 B.A. Alberta Pipe Line Limited
 B.A. Saskatchewan Pipe Line Limited
 Edmonton Pipe Line Co. Limited
 Imperial Oil Ltd. - Sarnia Products Pipe Line Division
 Socony-Vacuum Exploration Co.
 Texaco Exploration Company
 Valley Pipe Line Company Limited
 Winnipeg Pipe Line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

- (2) Includes 784,502 bbls. products and 42,635 bbls. natural gasoline.
 (3) " 2,138,677 " " 422,376 " " "
 (4) " 545,473 " " 40,379 " " "
 (5) " 1,786,123 " " 414,015 " " "

* Totals include duplications between companies.

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

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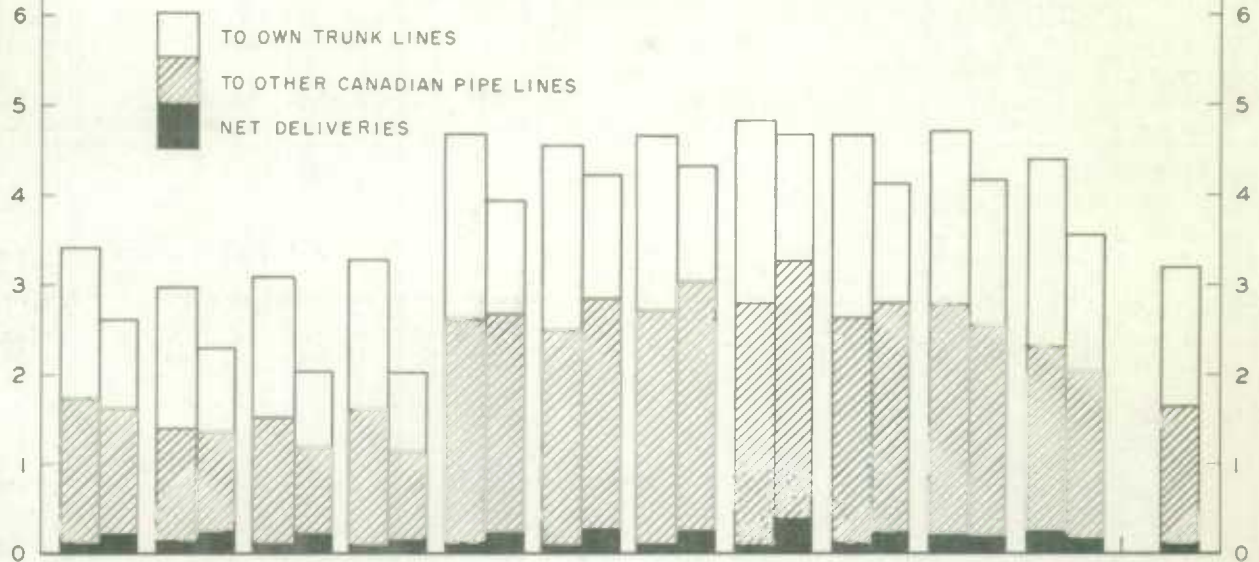
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MONTHLY OIL* DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1951 AND 1952

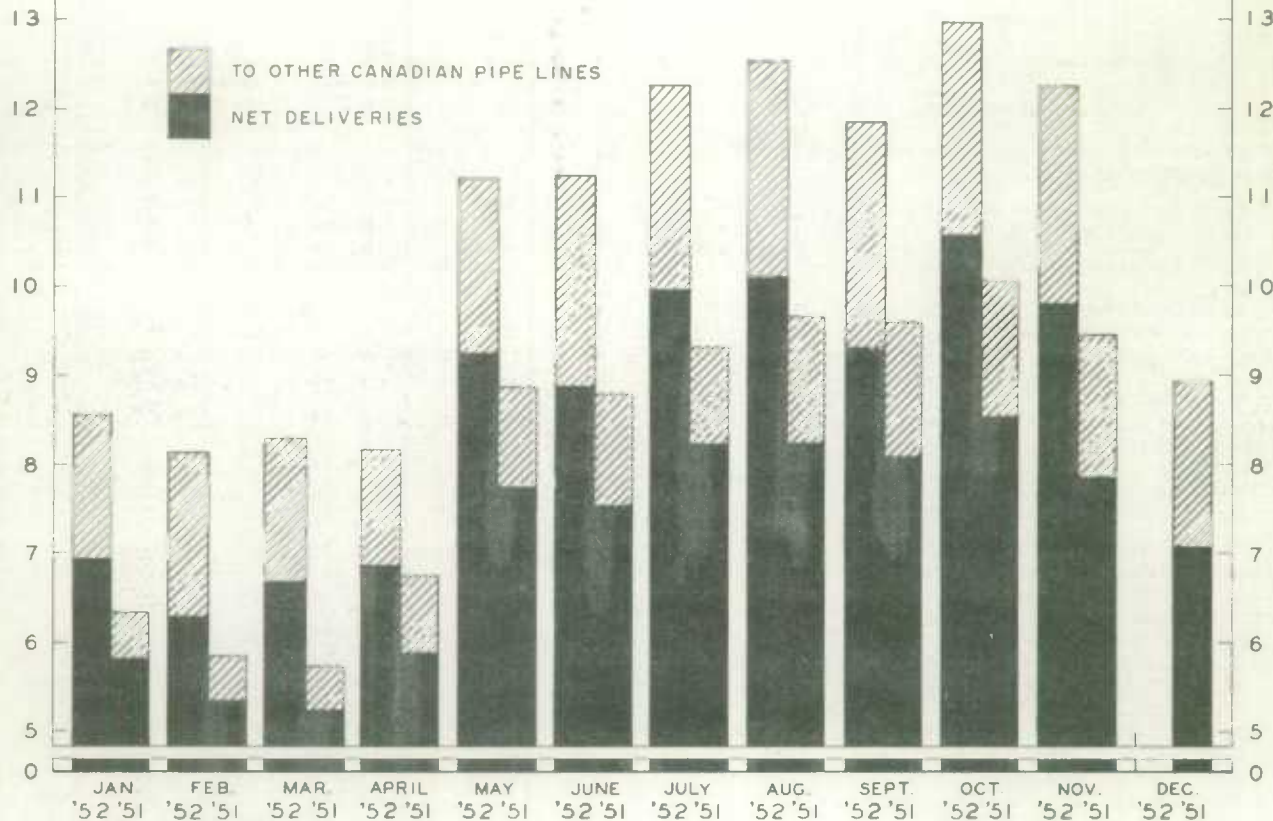
MILLION
BARRELS

MILLION
BARRELS

GATHERING SYSTEMS



TRUNK LINES



* CRUDE PLUS SOME NATURAL GASOLINE AND PRODUCTS.