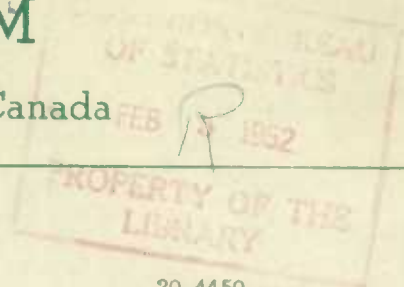


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Dominion Bureau of Statistics, Ottawa, Canada



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No. 3

PIPE LINES (OIL) STATISTICSSEPTEMBER, 1951

Net receipts of Canadian oil pipe lines during the month of September were 8,495,493 barrels of which gathering systems accounted for 4,148,285 barrels and trunk lines 4,345,208 barrels. Of the total movement, 4,408,704 barrels originated in Alberta and the remaining 4,084,789 were received from United States pipe lines. Net deliveries during the month were 243,892 barrels from gathering systems and 8,084,435 from trunk lines for a total of 8,328,327 barrels. By provinces the number of barrels delivered were Alberta 1,202,506, Saskatchewan 845,484, Manitoba 2,200,612 and Quebec 4,081,725 barrels. The Manitoba total includes 1,605,594 barrels for movement in transit through the United States. Most of this oil is transported by oil tankers from Superior, Wisconsin to Ontario. Oil pipe line deliveries in Quebec reflect shipments of South American crude piped overland from Portland, Maine, to Montréal refineries.

For the first nine months of 1951 net deliveries from oil lines amounted to 64,401,872 barrels of which 10,174,782 were delivered to Lakehead Pipe Line Company for transit to Superior, Wisconsin. The remainder consisted of 52,332,396 barrels delivered to refining terminals and 1,894,694 barrels delivered to trucks, rail tank cars, etc.

Net deliveries by trunk lines during September were 8,084,435 barrels, a decrease of 150,725 from the 8,235,160 barrels delivered in August. Gathering systems had net deliveries for the month of 243,892 barrels showing a decline of 147,732 from the August total of 391,624 barrels. Net deliveries from both trunk and gathering systems during August had represented the record for the year to date, and the total net deliveries for September of 8,328,327 barrels represented a drop of 298,457 barrels or 3.46 p.c. from the 8,626,784 delivered in August.

The nine months cumulative totals of net deliveries by trunk and gathering lines were 62,132,953 and 2,268,939 barrels respectively.

Daily averages of total barrels handled during September were: gathering systems 157,024 compared with 151,281 in August and trunk lines 320,063 as against 312,108 per day for August. Trunk lines registered a total barrel mileage of 2,505 million in September compared with 2,581 million barrel miles in August. The average miles per barrel of oil carried in trunk lines fell from 266.8 in August to 260.9 in September.

The average number of persons employed during September was 563 and their total salaries and wages amounted to \$186,621.

Montreal Pipe Line displaced the Imperial Pipe Line as the line transporting the most oil during the month. In September the Montreal line received 4,084,789 barrels and delivered 4,081,725 compared with Imperial's 3,770,521 and 3,739,525 barrels received and delivered respectively.

During September Imperial delivered an average of 115,970 barrels per day out of its gathering system. The Montreal line transported a daily average of 136,058 barrels through its trunk lines.

The great length of the Interprovincial Pipe Line system was indicated in the performance of 2,132 million barrel miles through the company's trunk lines during September. The average distance travelled by a barrel of oil through Interprovincials' lines in September was 675 miles. The company reported operating revenues of \$3,551,599 during the 3rd quarter - July to September - to produce a nine month's total of \$7,765,427. Interprovincial employed 251 employees in September paying them salaries and wages of \$90,260.

Prepared in the Public Finance and Transportation Division

Totals shown in table 6 for receipts and deliveries differ from those shown in tables 1 and 2 by the fact that the table 6 figures include all oil received and delivered in inter-company transactions. Reconciliation of these differences is shown below.

	<u>Barrels</u>
Total Received into Systems - all companies - during first nine months of 1951 per table 6	91,612,564
Received into Trunk Lines from Other Domestic Pipe Lines	<u>26,744,570</u>
"Net Received" into Canadian Pipe Line Systems	<u>64,867,994</u>
"Net Received" into Trunk Systems per table 1	34,656,349
"Net Received" into Gathering Systems per table 2 ...	30,211,645
Total Delivered out of Systems - all companies during first nine months of 1951 per table 6	90,967,207
Delivered to other Domestic Pipe Lines:	
From Trunk Systems 8,904,459	
From Gathering Systems 17,660,876	<u>26,565,335</u>
"Net Delivered" from Canadian Pipe Line Systems	<u>64,401,872</u>
"Net Delivered" from Trunk Systems per table 1	<u>62,132,933</u>
"Net Delivered" from Gathering Systems per table 2 ..	2,268,939

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

Oil Balance - All Companies - January - September, 1951

	<u>Barrels</u>	<u>Barrels</u>
Total Shippers' Balances - January 1, 1951	1,896,922	
Total Carriers' Balances - January 1, 1951	209,935	2,106,857
Received into Gathering Systems, January 1 to September 30, 1951	30,211,645	
Received into Trunk Systems, January 1 to September 30, 1951	<u>71,756,462</u>	<u>101,968,107</u>
Total oil accountable for period		104,074,964
Delivered from Gathering Systems, January 1 to September 30, 1951	30,285,358	
Delivered from Trunk Systems, January 1 to September 30, 1951	<u>71,037,392</u>	<u>101,322,750</u>
Balance to be accounted for at September 30, 1951 ...		2,752,214
Oil consumed as fuel and losses		115,478
<u>Balance on hand - September 30, 1951</u>		<u>2,636,736</u>
Total Shippers' Balances - September 30, 1951	2,318,950	
Total Carriers' Balances - September 30, 1951	317,786	

OIL CARRIED BY PIPE LINES - TRUNK

TABLE 1

	First Quarter	Second Quarter	Third Quarter	August 1951	September 1951	Total Year to date
1. <u>Total Received</u> * (2+3+4+5)	Barrels 18,271,236	Barrels 24,718,426	Barrels 28,766,800	Barrels 9,735,828	Barrels 9,738,242	Barrels 71,756,462
Less: Received from other Canadian pipe lines-						
2. Own gathering system	2,776,679	3,532,803	4,046,061	1,420,217	1,315,566	10,355,543
3. Other pipe lines - Gathering	3,564,342	6,131,818	8,187,066	2,882,469	2,554,177	17,883,226
4. Trunk	1,556,675	3,268,813	4,035,856	1,419,318	1,523,291	8,861,344
5. Net Received (6+7+8)	10,373,540	11,784,992	12,497,817	4,073,824	4,345,208	34,656,349
6. Originating on own trunk lines	-	-	-	-	-	-
7. Received from foreign pipe line connections	10,185,502	11,421,002	11,832,063	3,852,389	4,084,789	33,438,567
8. Received from other carriers (rail, truck)	188,038	363,990	665,754	221,435	260,419	1,217,782
9. <u>Total Delivered</u> * (10+11)	17,948,823	24,484,672	28,603,897	9,675,372	9,601,901	71,037,392
10. Less: Delivered to other Canadian trunk lines	1,567,118	3,282,854	4,054,487	1,440,212	1,517,466	8,904,459
11. Net Delivered (12+13+14)	16,381,705	21,201,818	24,549,410	8,235,160	8,084,435	62,132,933
12. Terminated on own trunk lines	15,497,104	17,175,316	19,285,731	6,569,832	6,478,841	51,958,151
13. Delivered to foreign pipe line connections	884,601	4,026,502	5,263,679	1,665,328	1,605,594	10,174,782
14. Delivered to other carriers (rail, truck)	-	-	-	-	-	-

* Includes duplications.

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	First Quarter	Second Quarter	Third Quarter	August 1951	September 1951	Total Year to date
15. <u>Total Received</u> (16+17)	Barrels 6,897,567	Barrels 10,186,268	Barrels 13,127,810	Barrels 4,668,267	Barrels 4,148,285	Barrels 30,211,645
16. Less: Received from other gathering systems	-	-	-	-	-	-
17. Net Received (18+19)	6,897,567	10,186,268	13,127,810	4,668,267	4,148,285	30,211,645
18. Originating on own gathering system	6,770,874	10,000,526	13,075,648	4,642,756	4,135,728	29,847,048
19. Received from other carriers (rail, truck)	126,693	185,742	52,162	25,511	12,557	364,597
20. <u>Total Delivered</u> * (21+22+23)	6,930,504	10,231,111	13,123,743	4,689,692	4,110,708	30,285,358
Less: Delivered to other pipe lines-						
21. Own trunk system	2,776,679	3,532,803	4,046,061	1,430,217	1,315,566	10,355,543
22. Other pipe lines	3,474,097	6,013,433	8,173,346	2,877,851	2,551,250	17,660,876
23. Net Delivered (24+25)	679,728	684,875	904,336	391,624	243,892	2,268,939
24. Terminated on gathering systems	61,623	96,755	215,867	111,104	77,051	374,245
25. Delivered to other carriers (rail, truck)	618,105	588,120	688,469	280,520	166,841	1,894,694

* Includes duplications.

TABLE 3 OIL CARRIED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT ORIGINATED

Province		First Quarter	Second Quarter	Third Quarter	August 1951	September 1951	Total Year to date
		Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta	Gathering	6,897,567	10,186,268	13,127,810	4,668,267	4,148,285	30,211,645
	Trunk	188,038	363,990	665,754	321,435	260,419	1,217,782
Quebec (1)	Trunk	10,185,502	11,421,002	11,832,063	3,852,389	4,084,789	33,438,567
Net Received	Trunk	10,373,540	11,784,992	12,497,817	4,073,824	4,345,208	34,656,349
	Total	17,271,107	21,971,260	25,625,627	8,742,091	8,493,493	64,867,994

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

TABLE 4 OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENTS TERMINATED

OR WERE TRANSFERRED TO OTHER CARRIERS

Province		First Quarter	Second Quarter	Third Quarter	August 1951	September 1951	Total Year to date
		Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta	Gathering	679,728	684,875	904,336	391,624	243,892	2,268,939
	Trunk	2,448,715	2,423,399	3,245,641	1,252,629	958,614	8,117,755
Saskatchewan	Trunk	2,348,539	2,248,445	2,670,325	883,598	843,484	7,267,309
Manitoba (2)	Trunk	1,383,992	5,166,941	6,820,287	2,266,098	2,200,612	13,371,220
Quebec	Trunk	10,200,459	11,363,033	11,813,157	3,832,835	4,081,725	33,376,649
Net Delivered	Trunk	16,381,705	21,201,818	24,549,410	8,235,160	8,084,435	62,132,933
	Total	17,061,433	21,886,693	25,453,746	8,626,784	8,328,327	64,401,872
(2) Including deliveries to U.S. pipe lines at Gretna, Man.		884,601	4,026,502	5,263,679	1,665,328	1,605,594	10,174,782

TABLE 5

OPERATING STATISTICS

Month 1951	Barrels Handled Daily Average		Total Barrel Miles	Average Miles per Barrel	Employees and Earnings		
	Gathering Systems	Trunk Lines			(3) Average Number	Total Salaries and Wages	Man Hours worked by Wage-Earners
	Barrels	Barrels	(Trunk Lines) Millions	(Trunk Lines) Miles		\$	Hours
January	83,974	205,342	1,155	181.4	481	x 146,783	31,718
February	81,715	209,234	930	158.8	490	x 146,323	27,935
March	65,783	184,665	907	158.4	490	x 149,406	31,029
April	67,967	225,434	1,391	205.7	513	x 153,166	30,167
May	128,540	288,010	2,358	264.1	532	x 177,892	33,465
June	140,246	293,110	2,389	271.7	531	x 170,494	34,384
July	139,463	300,868	2,641	283.2	563	x 176,146	33,803
August	151,281	312,108	x 2,581	266.8	558	x 184,323	39,024
September	137,024	320,063	2,505	260.9	563	186,621	35,194
First Quarter	77,006	199,431	2,992	166.7	487	x 442,512	90,682
Second Quarter	112,430	269,062	6,138	250.7	525	x 501,552	98,016
Third Quarter	142,649	310,912	7,727	270.1	561	547,090	108,021
Nine Months	110,935	260,210	16,857	237.3	525	1,491,154	(4) 296,719

(3) Includes salaried employees.

(4) Includes 8,773 hours overtime.

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TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

TABLE 6

	Anglo- Canadian Oils, Ltd.	B.A.-Alberta Pipe Line Ltd.	B.A. Saskatchewan Pipe Line Ltd.	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Company	Montreal Pipe Line Co. Ltd.	Valley Pipe Line Co. Ltd.	Winnipeg Pipe Line Co. Ltd.	Total
<u>Barrels</u>									
<u>TRAFFIC *</u>									
<u>Total Received into System-</u>									
This month (September, 1951)	71,439	421,070	186,610	3,770,521	3,291,380	4,084,789	217,113	528,039	12,570,961
This year (9 months)	586,496	2,934,092	1,720,923	26,204,072	21,824,006	33,438,567	2,231,263	2,613,145	91,612,564
<u>Total Delivered out of System-</u>									
This month (September, 1951)	71,439	433,965	192,865	3,739,525	3,156,804	4,081,725	197,141	523,573	12,397,043
This year (9 months)	586,496	3,062,126	1,708,405	26,191,121	21,187,396	33,376,649	2,245,072	2,609,942	90,967,207
<u>OPERATING STATISTICS</u>									
<u>Barrels Handled - Daily Average-</u>									
<u>Gathering Lines-</u>									
This month (September, 1951)	-	14,466	-	115,970	-	-	6,588	-	137,024
This year (9 months)	-	11,217	-	91,477	-	-	8,241	-	110,935
<u>Trunk Lines-</u>									
This month (September, 1951)	2,381	-	6,429	46,844	105,227	136,058	5,671	17,453	320,063
This year (9 months)	2,148	-	6,258	35,064	77,610	122,259	7,311	9,560	260,210
<u>Miles</u>									
<u>TOTAL BARREL MILES</u> (Trunk lines - in millions)									
This month (September, 1951)	1	-	4	24	2,132	300	6	38	2,505
This year (9 months)	9	-	37	161	13,940	2,458	64	188	16,857
<u>AVERAGE MILES PER BARREL</u> (Trunk Lines)									
This month (September, 1951)	15.0	-	22.1	16.9	675.0	73.6	32.1	72.5	260.9
This year (9 months)	15.0	-	22.1	16.8	658.0	73.7	32.1	72.2	237.3
<u>Dollars</u>									
<u>OPERATING REVENUES</u>									
Three months ending March 31, 1951	7,675	54,058	13,612	495,530	1,309,104	340,097	103,402	39,710	2,363,188
Six months ending June 30, "	15,115	129,377	19,887	1,231,066	4,213,828	745,377	189,280	209,888	6,753,818
Nine months ending Sept. 30, "	23,874	227,375	39,131	2,095,954	7,765,427	1,164,290	271,563	421,789	12,009,403
<u>Number</u>									
<u>EMPLOYEES AND EARNINGS</u>									
Number of employees (September)	-	12	8	208	251	34	46	4	563
<u>Dollars</u>									
<u>Salaries and Wages-</u>									
This month (September, 1951)	-	3,829	781	66,105	90,260	11,666	12,495	1,485	186,621
This year (9 months)	-	29,521	6,450	509,408	715,823	92,518	123,831	13,603	1,491,154
<u>Hours</u>									
<u>Man Hours Worked by Wage Earners-</u>									
This month (September, 1951)	-	1,079	154	27,020	400	950	5,591	-	35,194
This year (9 months)	-	9,105	1,496	217,521	3,750	5,092	59,755	-	296,719

* Total includes duplication between companies.

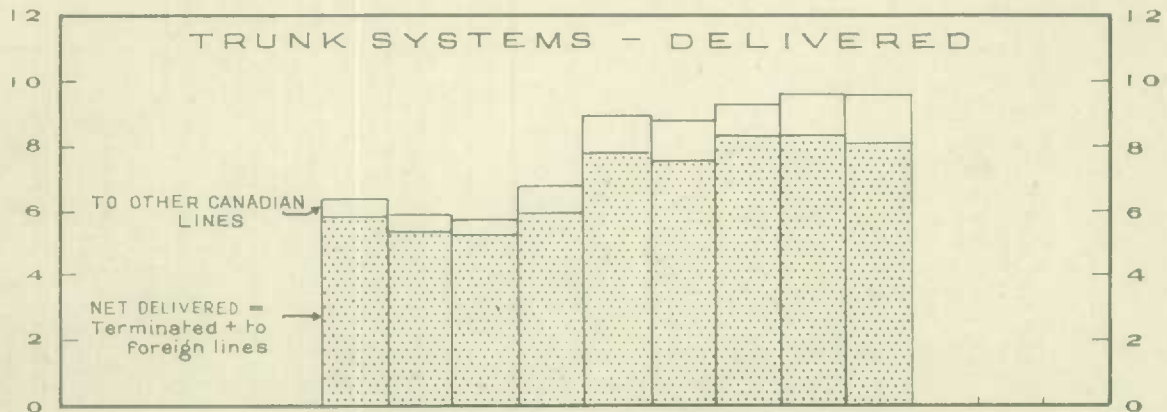
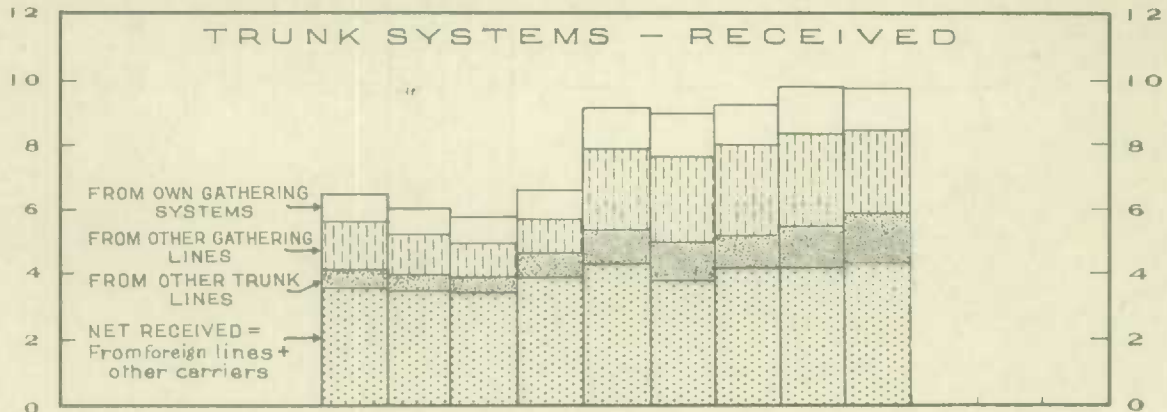
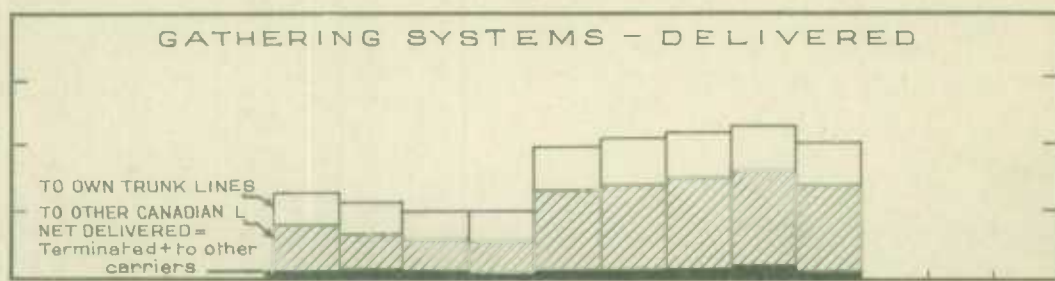
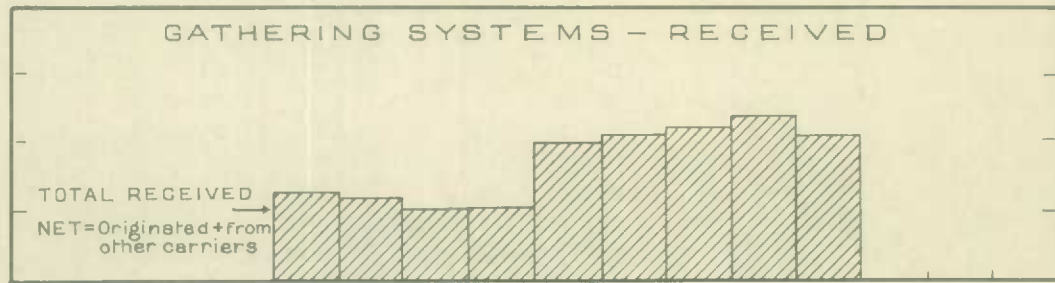


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OIL TRANSPORTED BY CANADIAN PIPE LINE SYSTEMS 1951

MILLION
BARRELS

MILLION
BARRELS



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1951