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No. 4

PIPE LINES (OIL) STATISTICSOCTOBER, 1951

Oil pipe lines operating in Canada had net receipts of 8,622,717 barrels during October. Gathering systems accounted for 4,186,757 and trunk lines for the remaining 4,435,960 barrels. Over 4,457,500 barrels or 51.7 p.c. of the total originated in the Alberta oil fields while the balance of 4,165,164 barrels entered Canada from United States pipe line connections. October net deliveries were 202,607 barrels from gathering systems and 8,537,820 from trunk lines giving a total of 8,740,427 barrels. Barrels of crude delivered from pipe lines by provinces were: Alberta 1,279,640; Saskatchewan 995,551; Manitoba 2,256,859 (including 1,971,718 barrels for movement to Superior, Wisconsin, through the American section); and Quebec 4,208,377 barrels. Most of the oil transported to Superior ultimately reaches Ontario refineries via oil tankers plying the Great Lakes route. Winter storage facilities are being increased at Superior. South American crudes are generally carried by pipe line from Portland, Maine, to Montreal refineries.

Ten month totals of net deliveries during 1951 reached 73,142,299 barrels including 12,146,500 in transit to Superior via the Lakehead Pipe Line Company. There were 58,932,406 barrels delivered to terminals for refining and storage while the other 2,063,393 barrels were transferred to tank trucks, railway tank cars, etc.

October net deliveries by trunk lines were a record for the year at 8,537,820 barrels, up 453,385 or 5.6 p.c. from the September figure of 8,084,435. Gathering systems again declined in net deliveries registering 202,607 barrels against 243,892 barrels in September. Total net deliveries for October of 8,740,427 barrels were the highest recorded to date and stood 412,100 barrels or 4.9 p.c. above the September aggregate of 8,328,327 barrels.

Cumulative net deliveries during the first ten months of 1951 were: trunk lines 70,670,753 barrels and gathering lines 2,471,546 barrels. Gathering systems handled a daily average of 134,970 barrels during the month under review while trunk lines increased their daily average from 320,063 in September to 324,396 barrels in October. Barrel miles performed by trunk lines advanced from 2,505 million in September to 2,598 million in October. The average miles per barrel carried, however, decreased from 260.9 to 258.4 miles.

Total salaries and wages of the 559 persons employed during October amounted to \$187,301, an increase of \$680 and a decrease of 4 employees from the September totals of \$186,621 and 563 employees.

Montreal Pipe Line carried the greatest volume of oil during October with total deliveries of 4,208,377 barrels or a daily average of 135,754 barrels. Imperial Pipe Line delivered a daily average of 114,376 barrels from its gathering system.

Prepared in the Public Finance and Transportation Division

Interprovincial Pipe Line performed a total of 2,232 million barrel miles in trunk lines during the month and transported each barrel of oil an average of 640 miles.

Totals shown in table 6 for receipts and deliveries vary from those given in tables 1 and 2 since table 6 data include all oil received and delivered in inter-company transactions. Reconciliation of these differences follows:

	<u>Barrels</u>
<u>Total Received into Systems</u> - all companies -	
during first ten months of 1951 per table 6	104,124,248
Received into Trunk Lines from Other	
Canadian Pipe Lines	<u>30,633,537</u>
"Net Received" into Canadian Pipe Line Systems	<u>73,490,711</u>
"Net Received" into Trunk Systems per table 1	<u>39,092,309</u>
"Net Received" into Gathering Systems per table 2..	34,398,402
<u>Total Delivered out of Systems</u> - all companies -	
during first ten months of 1951 per table 6	103,590,823
Delivered to Other Canadian Pipe Lines	<u>30,448,524</u>
"Net Delivered" from Canadian Pipe Line Systems ...	<u>73,142,299</u>
"Net Delivered" from Trunk Systems per table 1	<u>70,670,753</u>
"Net Delivered" from Gathering Systems per table 2..	2,471,546

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

Oil Balance - All Companies - January - October, 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, Jan. 1 to Oct. 31, 1951 ..	<u>34,398,402</u>	
Received into Trunk Systems, Jan. 1 to Oct. 31, 1951	<u>81,698,180</u>	<u>116,096,582</u>
Total oil accountable for period		118,203,439
Delivered from Gathering Systems, Jan. 1 to Oct. 31, 1951	34,469,439	
Delivered from Trunk Systems, Jan. 1 to Oct. 31, 1951	<u>81,093,718</u>	<u>115,563,157</u>
Balance to be accounted for at October 31, 1951		2,640,282
Oil consumed as fuel and losses		<u>127,073</u>
<u>Balance on hand - Oct. 31, 1951</u>		<u>2,513,209</u>
Total Shippers Balances - Oct. 31, 1951	2,190,085	
Total Carriers Balances - Oct. 31, 1951	323,124	

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:

1 9 5 1	Transit and Storage Co.	Susquehanna Pipe Line Co.
	Crude Petroleum	Butane
	Barrels	Barrels
First Quarter	3,901,061	104,854
Second Quarter	2,503,181	136,165
Third Quarter	1,799,332	173,067
October	649,052	59,938
Total - January-October	8,852,626	474,024

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	First Quarter	Second Quarter	Third Quarter	September 1951	October 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received</u> * (2+3+4+5)	18,271,236	24,718,426	28,766,800	9,738,242	9,941,718	81,698,180
Less: Received from other Canadian pipe lines-						
2. Own gathering system	2,776,679	3,532,803	4,046,061	1,315,566	1,616,791	11,972,334
3. Other pipe lines - Gathering	3,564,342	6,131,818	8,187,066	2,554,177	2,367,720	20,250,946
4. Trunk	1,556,675	3,268,813	4,035,856	1,523,291	1,521,247	10,382,591
5. <u>Net Received</u> (6+7+8)	10,373,540	11,784,992	12,497,817	4,345,208	4,435,960	39,092,309
6. Originating on own trunk lines	-	-	-	-	-	-
7. Received from foreign pipe line connections	10,185,502	11,421,002	11,832,063	4,084,789	4,165,164	37,603,731
8. Received from other carriers (rail & truck)	188,038	363,990	665,754	260,419	270,796	1,488,578
9. <u>Total Delivered</u> * (10+11)	17,948,823	24,484,672	28,603,897	9,601,901	10,056,326	81,093,718
10. Less: Delivered to other Canadian trunk lines	1,567,118	3,282,854	4,054,487	1,517,466	1,518,506	10,422,965
11. <u>Net Delivered</u> (12+13+14)	16,381,705	21,201,818	24,549,410	8,084,435	8,537,820	70,670,753
12. Terminated on own trunk lines	15,497,104	17,175,316	19,285,731	6,476,841	6,566,102	58,524,253
13. Delivered to foreign pipe line connections	884,601	4,026,502	5,263,679	1,605,594	1,971,718	12,146,500
14. Delivered to other carriers (rail & truck)	-	-	-	-	-	-

* Includes duplications

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	First Quarter	Second Quarter	Third Quarter	September 1951	October 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received</u> (16+17)	6,897,567	10,186,268	13,127,810	4,148,285	4,186,757	34,398,402
16. Less: Received from other gathering systems	-	-	-	-	-	-
17. <u>Net Received</u> (18+19)	6,897,567	10,186,268	13,127,810	4,148,285	4,186,757	34,398,402
18. Originating on own gathering system	6,770,874	10,000,526	13,075,648	4,135,728	4,175,893	34,022,941
19. Received from other carriers (rail & truck)	126,693	185,742	52,162	12,557	10,864	375,461
20. <u>Total Delivered</u> * (21+22+23)	6,930,504	10,231,111	13,123,743	4,110,708	4,184,081	34,469,439
Less: Delivered to other pipe lines-						
21. Own trunk system	2,776,679	3,532,803	4,046,061	1,315,566	1,616,791	11,972,334
22. Other pipe lines	3,474,097	6,013,433	8,173,346	2,551,250	2,364,683	20,025,559
23. <u>Net Delivered</u> (24+25)	679,728	684,875	904,336	243,892	202,607	2,471,546
24. Terminated on gathering systems	61,623	96,755	215,867	77,051	33,908	408,153
25. Delivered to other carriers (rail & truck)	618,105	588,120	688,469	166,841	168,699	2,063,393

* Includes duplications

TABLE 1

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TABLE 2

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

Province	First Quarter	Second Quarter	Third Quarter	September 1951	October 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta - Gathering	6,897,567	10,186,268	13,127,810	4,148,285	4,186,757	34,398,402
Trunk	188,038	363,990	665,754	260,419	270,796	1,488,578
Quebec (1) - Trunk	10,185,502	11,421,002	11,832,063	4,084,789	4,165,164	37,603,731
Net received - Trunk	10,373,540	11,784,992	12,497,817	4,345,208	4,435,960	39,092,309
Total	17,271,107	21,971,260	25,635,627	8,493,493	8,622,717	73,490,711

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

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

TABLE 4 OR WERE TRANSFERRED TO OTHER CARRIERS

	First Quarter	Second Quarter	Third Quarter	September 1951	October 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta - Gathering	679,728	684,875	904,336	243,892	202,607	2,471,546
Trunk	2,448,715	2,423,399	3,245,641	958,614	1,077,033	9,194,788
Saskatchewan - Trunk	2,348,539	2,248,445	2,670,325	843,484	995,551	8,262,860
Manitoba (2) - Trunk	1,383,992	5,166,941	6,820,287	2,200,612	2,256,859	15,628,079
Quebec - Trunk	10,200,459	11,363,033	11,813,157	4,081,725	4,208,377	37,585,026
Net Delivered- Trunk	16,381,705	21,201,818	24,549,410	8,084,435	8,537,820	70,670,753
Total	17,061,433	21,886,693	25,453,746	8,328,327	8,740,427	73,142,299
(2) Including deliveries to U.S. pipe lines at Gretna, Man.	884,601	4,026,502	5,263,679	1,605,594	1,971,718	12,146,500

TABLE 5 OPERATING STATISTICS

Month 1951	Barrels Handled Daily Average		Total Barrel Miles (Trunk Lines)	Average Miles per Barrel (Trunk Lines)	Employees and Earnings		
	Gathering Systems	Trunk Lines			(3) Average Number	Total Salaries and Wages	Man Hours worked by Wage earners
	Barrels	Barrels	Millions	Miles		\$	Hours
January	83,974	205,342	1,155	181.4	481	146,783	31,718
February	81,715	209,234	930	158.8	490	146,323	27,935
March	65,783	184,665	907	158.4	490	149,406	31,029
April	67,967	225,434	1,391	205.7	513	153,166	30,167
May	128,540	288,010	2,358	264.1	532	177,892	33,465
June	140,246	293,110	2,389	271.7	531	170,494	34,384
July	139,463	300,858	2,641	283.2	563	176,146	33,803
August	151,281	312,108	2,581	266.8	558	184,323	39,024
September	137,024	320,063	2,505	260.9	563	186,621	35,194
October	134,970	324,396	2,598	258.4	559	187,301	37,447
First Quarter	77,006	199,431	2,992	166.7	487	442,512	90,682
Second Quarter	112,430	269,062	6,138	250.7	525	501,552	98,016
Third Quarter	142,649	310,912	7,727	270.2	561	547,090	108,021
Ten Months	113,387	266,756	19,455	239.9	528	1,678,455	(4)334,166

(3) Includes salaried employees

(4) Includes 10,178 hours overtime

TABLE 6

PIPE LINE STATISTICS, BY PROVINCES
October, 1951

	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 Co.	Montreal Pipe Line Co., Ltd.	Valley Pipe Line Co., Ltd.	Winnipeg Pipe Line Co., Ltd.	Total
				<u>Barrels</u>					
TRAFFIC*									
Total Received into System-									
This month (October, 1951)	64,628	368,294	190,540	3,826,553	3,412,969	4,165,164	262,706	202,830	12,511,684
This year (10 months)	651,124	3,362,386	1,911,463	30,030,625	25,236,975	37,603,731	2,493,969	2,833,975	104,124,248
Total Delivered out of System-									
This month (October, 1951)	64,628	371,025	190,877	3,816,464	3,485,251	4,208,377	266,481	220,513	12,623,616
This year (10 months)	651,124	3,433,151	1,899,282	30,007,585	24,672,647	37,585,026	2,511,553	2,830,455	103,590,823
OPERATING STATISTICS									
Barrels Handled - Daily Average									
Gathering Lines-									
This month (October, 1951)	-	11,969	-	114,376	-	-	8,625	-	134,970
This year (10 months)	-	11,293	-	93,813	-	-	8,281	-	113,387
Trunk Lines-									
This month (October, 1951)	2,085	-	6,157	53,341	112,427	135,754	7,519	7,113	324,396
This year (10 months)	2,141	-	6,248	36,928	81,160	123,635	7,333	9,311	266,756
TOTAL BARREL MILES				<u>Miles</u>					
(Trunk lines - in millions)									
This month (October, 1951)	1	-	4	28	2,232	310	7	16	3,598
This year (10 months)	10	-	41	189	16,172	2,768	71	204	19,455
AVERAGE MILES PER BARREL									
(Trunk Lines)									
This month (October, 1951)	15.0	-	22.1	16.9	640.0	73.6	32.0	72.2	258.4
This year (10 months)	15.0	-	22.1	16.8	655.0	73.6	32.1	72.2	239.9
OPERATING REVENUES				<u>Dollars</u>					
Three months ending Mar. 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, 1951	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, 1951	23,874	227,375	39,131	2,095,954	7,765,427	1,164,290	271,563	421,789	12,009,403
EMPLOYEES AND EARNINGS				<u>Number</u>					
Number of employees (October)	-	10	5	208	251	36	46	3	559
Salaries and Wages-				<u>Dollars</u>					
This month (October, 1951)	-	3,844	806	66,944	87,176	11,867	15,422	1,242	187,301
This year (10 months)	-	33,365	7,256	576,352	802,999	104,385	139,253	14,845	1,678,455
Man Hours Worked by Wage Earners-				<u>Hours</u>					
This month (October, 1951)	-	1,041	96	27,811	1,143	904	6,452	-	37,447
This year (10 months)	-	10,146	1,592	245,332	4,893	5,996	66,207	-	334,166

*Total includes duplication between companies.

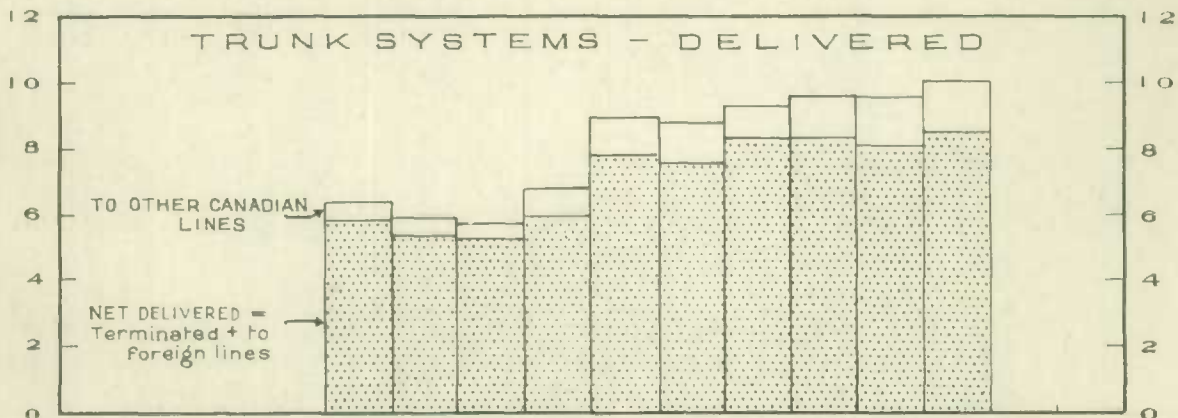
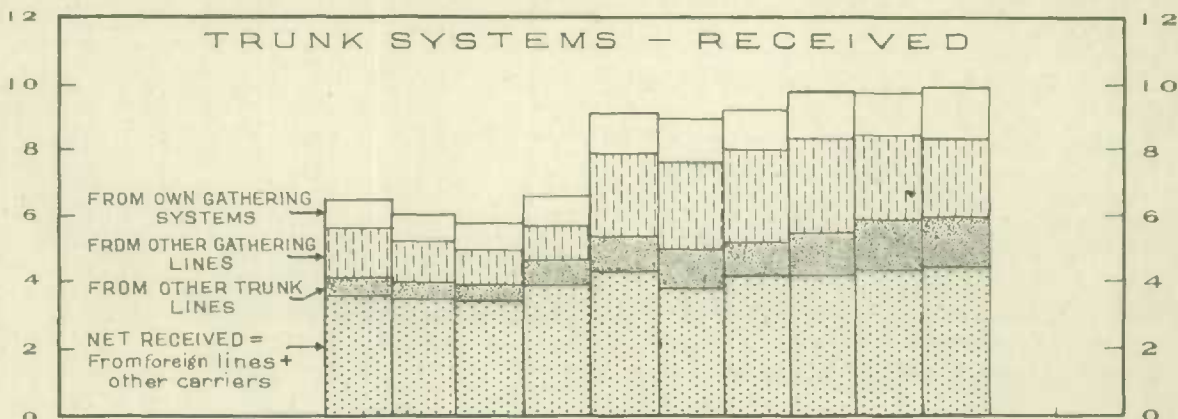
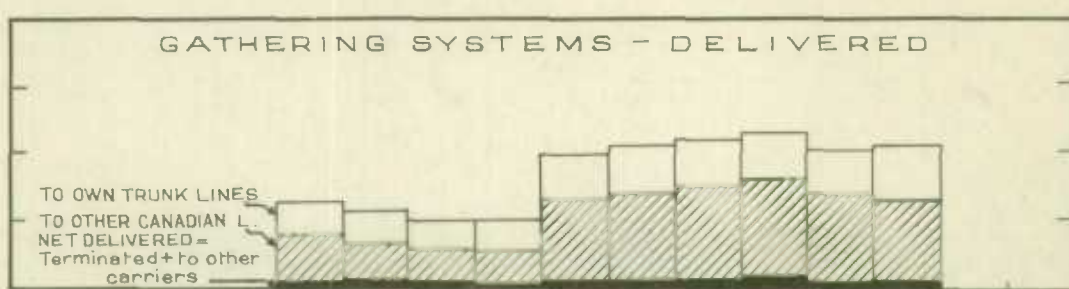
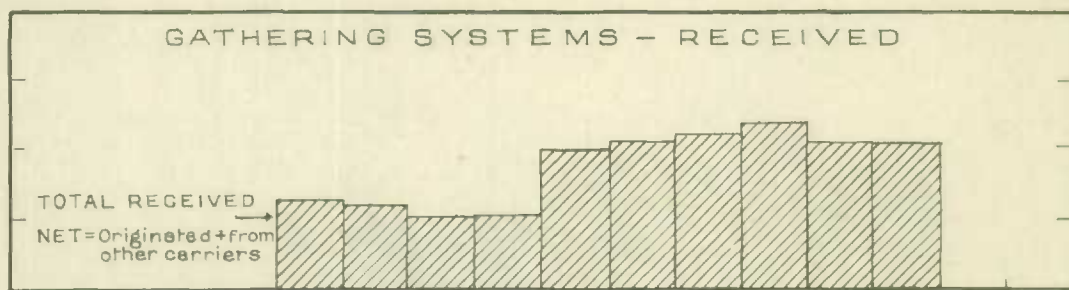


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OIL TRANSPORTED BY CANADIAN PIPE LINE SYSTEMS 1951

MILLION
BARRELS

MILLION
BARRELS



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