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## PIPE LINES (OIL) STATISTICS

Price: \$1.00 per year

SEPTEMBER, 1955

Deliveries of oil from Canadian pipe lines fell off during September. Total net deliveries averaged 603,275 barrels per day, a decrease of 7 p.c. from the August record of 646,911 barrels, but 23 p.c. above the average of 491,619 for September, 1954.

For the nine months ended September 30, net deliveries amounted to 161,513,689 barrels compared with 127,163,928 in the same period of last year, an increase of 27 p.c. Refinery products accounted for 27,842,094 barrels in 1955 as against 23,905,312 in 1954. Provincial deliveries for the nine months were as follows (1954 data in brackets): British Columbia 21,659,273 barrels (9,901,622); Alberta 13,481,397 (12,552,132); Saskatchewan 11,770,706 (10,733,040); Manitoba 37,327,284 (31,080,959); Ontario 27,387,218 (23,742,746) and Quebec 49,887,811 (39,153,429). Manitoba deliveries included 31,874,197 barrels (26,091,277) transferred to the Lakehead Pipe Line Company at Gretna for transport through the United States, principally destined to Sarnia refineries. The remainder of 5,453,087 barrels (4,989,682) was delivered within the province.

Net receipts for the month totalled 18,594,772 barrels, compared with 14,954,864 in September, 1954, an increase of 24 p.c. Included in the month's receipts were 8,919,258 barrels of Alberta crude oil and 50,886 of Alberta natural gasoline, 518,210 barrels of Saskatchewan crude, 393,873 of Manitoba crude, 5,718,817 of imported crude and 2,993,728 barrels of refinery products.

Gathering systems handled an average of 313,499 barrels per day in September against 338,480 in August while trunk deliveries dropped to 772,778 barrels per day from 825,255 in August, down by 6 p.c. Barrel miles at 6,608 million were down by 13 p.c. and the average haul decreased to 285.0 miles from 297.3 in August.

Employment fell off during September with 1,292 employees compared with 1,336 in the previous month. Earnings, however, increased in September and the average wage rose to \$416 compared with \$400 in August and \$395 in September, 1954.

Operating revenues for the third quarter were up by 12 p.c. For the nine months ended September 30, revenues amounted to \$42,169,015 compared with \$30,227,560 in the same period of 1954, an increase of almost 40 p.c.

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 employee data of the Amurex Oil Development Company, Key Pipe Line Company, Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Anglo Canadian Oils, 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.

Note: Data for September 1954 revised.

Prepared in the Transportation and Public Utilities Section,  
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 first nine months of 1955, per table 6 .....	252,845,213
Received into Trunk Lines from other Canadian Pipe Lines .....	89,771,522
"Net Received" into Canadian Pipe Line Systems .....	163,073,691
"Net Received" into Trunk Systems per table 1 .....	82,831,640
"Net Received" into Gathering Systems per table 2 .....	80,242,051
 Total Delivered out of Systems - all companies - during first nine months of 1955, per table 6 .....	 251,636,913
Delivered to other Canadian Pipe Lines .....	90,123,224
"Net Delivered" from Canadian Pipe Line Systems .....	161,513,689
"Net Delivered" from Trunk Systems per table 1 .....	153,013,848
"Net Delivered" from Gathering Systems per table 2 .....	8,499,841

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 September and are given herewith:

OIL BALANCE - ALL COMPANIES - SEPTEMBER, 1955

	Barrels	
Total Shippers Balances - January 1, 1955 .....	8,041,597	
Total Carriers Balances - January 1, 1955 .....	379,397	8,420,994
Received into Gathering Systems January 1 to September 30, 1955 .....	80,242,051	
Received into Trunk Systems January 1 to September 30, 1955 .....	204,315,273	284,557,324
 Total oil accountable for period .....		292,978,318
Delivered from Gathering Systems January 1 to September 30, 1955 .....	80,223,096	
Delivered from Trunk Systems January 1 to September 30, 1955 .....	203,125,928	283,349,024
 Balance to be accounted for at September 30, 1955 .....		9,629,294
Oil consumed as fuel and losses .....		148,605
Balance on hand - September 30, 1955 .....		9,480,689
Total Shippers Balances - September 30, 1955 .....	9,031,206	
Total Carriers Balances - September 30, 1955 .....	449,483	

The Interprovincial and Sun Pipe Line Companies operate lines across the St. Clair River from the United States at Sarnia. The limited nature of their domestic operations and the shortness of these 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 these pipe lines follows:

Month	Interprovincial Pipe Line Company Crude Oil	Sun Pipe Line Company Crude and Refined Oil
	Barrels	Barrels
September, 1954	2,157,306	348,163
August, 1955	2,795,720	399,808
September, 1955	2,978,580	425,359

TABLE 1

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

	September 1955	August 1955	September 1954	YEAR TO DATE 1955
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	23,500,215	25,509,331	18,068,270	204,315,273
Less: Received from other Canadian pipe lines -				
2.     Own Gathering System	4,227,920	4,558,003	1,273,683	31,712,111
3.     Other pipe lines - Gathering	2,757,925	3,168,916	2,811,586	25,798,767
4.                     Trunk	7,330,794	8,284,076	5,579,867	63,972,755
5. <u>Net Received (6+7+8)</u>	9,183,576	9,498,336	8,403,134	82,831,640
6.     Originating on own trunk lines	3,394,925	3,543,722	4,491,248	31,596,835
7.     Received from foreign pipe line connections	5,718,817	5,877,900	3,911,886	49,980,143
8.     Received from other carriers (rail & truck)	69,834	76,714	-	1,254,662
9. <u>Total Delivered * (10+11)</u>	23,183,651	25,582,922	17,855,569	203,125,928
10. Less: Delivered to other Canadian trunk lines	6,249,979	6,767,449	3,947,505	50,112,080
11. <u>Net Delivered (12+13+14)</u>	16,933,672	18,815,473	13,908,064	153,013,848
12.     Terminated on own trunk lines	12,369,490	13,209,648	10,624,649	113,841,168
13.     Delivered to foreign pipe line connections	4,546,002	5,580,642	3,281,807	38,989,950
14.     Delivered to other carriers (rail & truck)	18,180	25,183	1,608	182,730

TABLE 2

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

	September 1955	August 1955	September <sup>x</sup> 1954	YEAR TO DATE 1955
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	9,411,196	10,454,921	6,551,730	80,242,051
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	9,411,196	10,454,921	6,551,730	80,242,051
18.     Originating on own gathering system	9,127,011	10,108,441	6,253,634	78,054,622
19.     Received from other carriers (rail & truck)	284,185	346,480	298,096	2,187,429
20. <u>Total Delivered * (21+22+23)</u>	9,404,958	10,492,877	6,554,182	80,223,096
Less: Delivered to other pipe lines -				
21.     Own Trunk system	4,227,920	4,558,003	1,273,683	31,712,111
22.     Other pipe lines	4,012,474	4,696,102	4,439,987	40,011,144
23. <u>Net Delivered (24+25)</u>	1,164,564	1,238,772	840,512	8,499,841
24.     Terminated on gathering systems	958,678	1,037,275	698,489	6,666,615
25.     Delivered to other carriers (rail & truck)	205,886	201,497	142,023	1,833,226

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

\* Includes duplications.

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

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TABLE 3

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

Province		September 1 9 5 5	August 1 9 5 5	September <sup>x</sup> 1 9 5 4	YEAR TO DATE 1 9 5 5
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	8,499,113	9,424,313	6,282,851	73,757,823
"	- Trunk	521,960	557,411	1,709,543	5,404,445
Saskatchewan	- Gathering	518,210	623,497	71,291	3,682,999
"	- Trunk	-	624	-	2,722
Manitoba	- Gathering	393,873	407,111	197,588	2,801,229
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	1,818,526	1,813,687	1,633,340	17,041,217
Quebec (3)	- Trunk	6,843,090	7,126,614	5,060,251	60,383,256
Net Received	- Gathering	9,411,196	10,454,921	6,551,730	80,242,051
" "	- Trunk	9,183,576	9,498,336	8,403,134	82,831,640
" "	- Total	18,594,772	19,953,257	14,954,864	163,073,691

TABLE 4

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

Province		September 1 9 5 5	August 1 9 5 5	September <sup>x</sup> 1 9 5 4	YEAR TO DATE 1 9 5 5
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	2,821,527	2,836,918	1,373,888	21,659,273
Alberta (1)	- Gathering	1,128,560	1,183,367	768,617	8,008,641
"	- Trunk	447,910	628,345	656,550	5,472,756
Saskatchewan	- Gathering	36,004	55,405	71,895	491,200
"	- Trunk	984,797	1,443,679	1,375,460	11,279,506
Manitoba	- Trunk	4,059,820	4,988,643	3,869,820	37,327,284
Ontario (2)	- Trunk	2,918,840	3,061,459	2,781,847	27,387,218
Quebec	- Trunk	5,700,778	5,856,429	3,850,499	49,887,811
Net Delivered	- Gathering	1,164,564	1,238,772	840,512	8,499,841
" "	- Trunk	16,933,672	18,815,473	13,908,064	153,013,848
" "	- Total	18,098,236	20,054,245	14,748,576	161,513,689
/ Including exports to U.S.A. at Sumas, B.C.		1,125,273	1,132,404	-	7,115,753
/ Including deliveries to U.S. pipe lines, Gretna, Man.		3,420,729	4,448,238	3,281,807	31,874,197

TABLE 5

OPERATING STATISTICS

		September 1 9 5 5	August 1 9 5 5	September <sup>x</sup> 1 9 5 4	YEAR TO DATE 1 9 5 5
Barrels Handled - Daily Average					
Gathering Systems	Barrels	313,499	338,480	218,473	293,857
Trunk Lines	"	772,788	825,255	595,185	744,051
Total Barrel Miles (Trunk Lines)	Millions	6,608	7,605	5,699	59,292
Average Miles Per Barrel (Trunk Lines)	Miles	285.0	297.3	319.2	291.9
Employees and Earnings (6)					
Average Number (4)	No.	1,292	1,336	1,203	1,255
Total Salaries and Wages	\$	537,432	534,746	474,865	4,543,673
Man-Hours Worked by Wage Earners (5) (6)	Hours	58,638	60,751	52,448	503,308

(1) Includes natural gasoline.

(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., Sarnia Products Line and Nisku Products Pipe Line Company, Limited.

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TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

SEPTEMBER, 1955

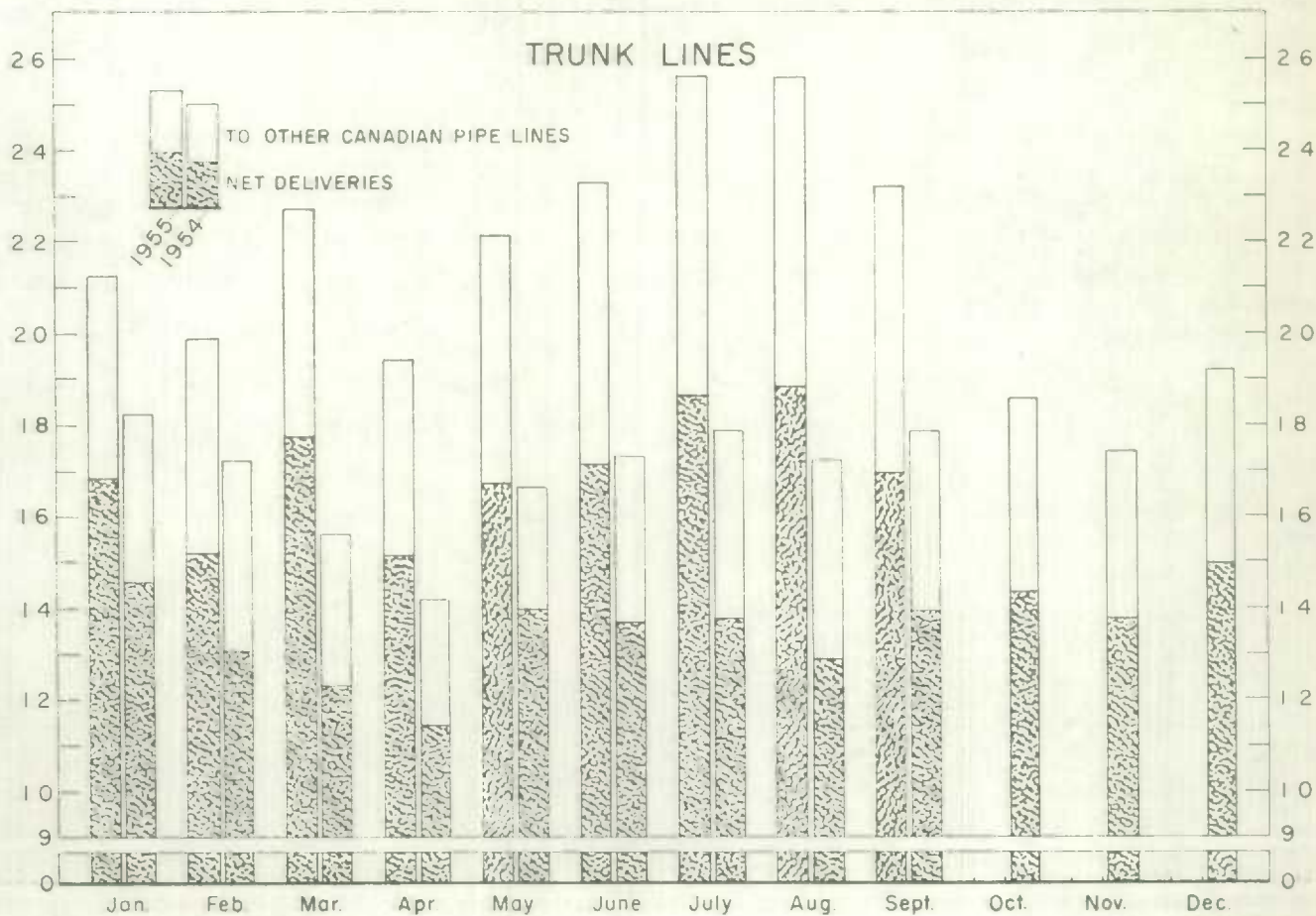
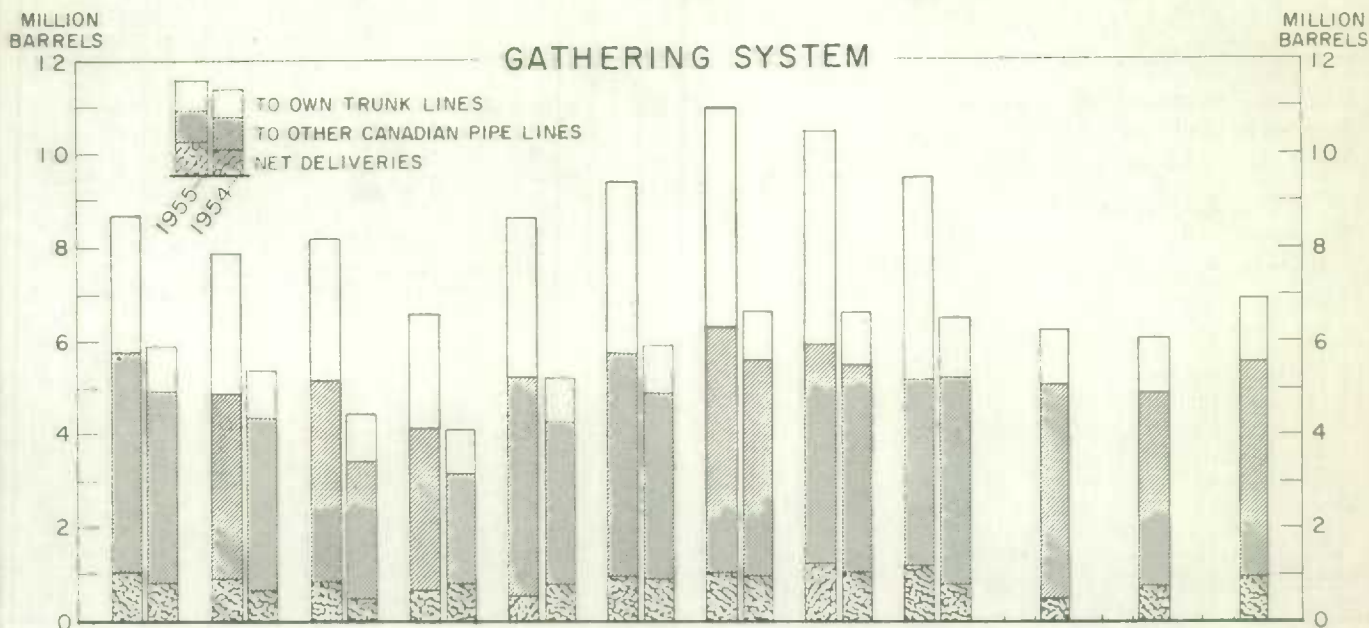
Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Other Pipe lines (1)	Total
<b>TRAFFIC*</b>			<u>Barrels</u>			
<u>Total Received into System</u>						
This month (September, 1955)	4,139,908	5,916,881	5,718,817	3,092,687	9,815,198	28,683,491
This year (9 months)	39,090,871	57,958,255	49,980,143	22,338,694	83,477,250	252,845,213
<u>Total Delivered out of System</u>						
This month (September, 1955)	4,111,222	5,998,966	5,700,778	2,821,527	9,728,196	28,360,689
This year (9 months)	39,084,689	57,858,691	49,887,811	21,659,273	83,146,449	251,636,913
<b>OPERATING STATISTICS</b>						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (September, 1955)	137,041	-	-	-	176,458	313,499
This year (9 months)	143,167	-	-	-	150,690	293,857
<u>Trunk Lines</u>						
This month (September, 1955)	-	199,966	190,026	94,051	288,745	772,788
This year (9 months)	-	211,937	182,739	79,338	270,037	744,051
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month (September, 1955)	-	3,232	419	1,962	995	6,808
This year (9 months)	-	31,582	3,669	15,135	8,906	59,292
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (September, 1955)	-	539.0	73.6	695.0	114.8	285.0
This year (9 months)	-	546.0	73.6	699.0	120.8	291.9
<b>OPERATING REVENUES</b>			<u>Dollars</u>			
Three Months ending March 31, 1955	969,737	4,345,246	542,496	2,967,898	(7) 4,004,290	6 12,829,667
Six Months ending June 30, 1955	1,887,471	9,255,047	1,141,931	6,228,624	(7) 8,118,496	6 26,631,569
Nine Months ending Sept. 30, 1955	2,872,120	14,553,523	1,757,242	10,173,310	(7) 12,812,820	42,169,015
Twelve Months ending Dec. 31, 1955						
<b>EMPLOYEES AND EARNINGS</b>			<u>Number</u>			
Number of Employees (September, 1955)	191	396	61	165	(6) 479	1,292
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (September, 1955)	75,771	171,924	23,064	80,718	(6) 185,955	537,432
This year (9 months)	648,837	1,488,434	195,801	671,944	(6) 1,538,657	4,543,673
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month (September, 1955)	24,489	110	2,041	2,042	(6) 29,956	58,638
This year (9 months)	215,512	3,610	14,042	13,159	(6) 256,985	503,308

\* Totals include duplication between companies.

- (1) Includes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; B.A. Alberta Pipe Line, Limited; B.A. Saskatchewan Pipe Line, Limited; Canadian Gulf Pipe Line Company; Edmonton Pipe Line Co. Limited; Gibson Crude Oil Purchasing Co. Limited; Green River Exploration Co. Limited; Imperial Oil - Sarnia Products Pipe Line Division; Key Pipe Line Co. Ltd.; Mid-Saskatchewan Pipe Lines Ltd.; Nisku Products Pipe Line Company, Limited; Pembina Pipe Line, Ltd.; Trans-Prairie Pipe Lines Limited; Saskatoon Pipe Line Company; South Saskatchewan Pipe Line Company; Sun Canadian Pipe Line Company; Limited; Texaco Exploration Company; Trans-Northern Pipe Line Company; Valley Pipe Line Company, Limited; and Winnipeg Pipe Line Company, Limited.
- (2) Includes 2,993,728 bbls. products and 50,886 bbls. natural gasoline.
- (3) Includes 27,899,450 bbls. products and 437,574 bbls. natural gasoline.
- (4) Includes 2,970,206 bbls. products and 49,448 bbls. natural gasoline.
- (5) Includes 27,842,094 bbls. products and 432,826 bbls. natural gasoline.
- (6) Excludes Amurex Oil Development Company, Anglo American Exploration Company, Anglo-Canadian Oils, Limited, Imperial Oil - Sarnia Products Pipe Line Division, Key Pipe Line Co. Ltd., Mid-Saskatchewan Pipe Lines Ltd., Nisku Products Pipe Line Company, Limited, and Valley Pipe Line Company, Ltd.
- (7) Excludes Anglo American Exploration Company, Green River Exploration Company, and Sarnia Products Line.

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# MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1954 AND 1955







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