



OIL PIPE LINE TRANSPORT

March, 1960

Net deliveries of oil through Canadian pipe lines increased slightly in March to 28,064,963 barrels from 27,331,138 in March, 1959. The daily average delivery of 905,321 barrels represents an increase of 2.7 p.c. from the previous year's average of 881,650 but was 5.5 p.c. below the February average of 957,865 barrels. Barrel miles rose to 10,720 million from 9,880 in the preceding year, an increase of 8.5 p.c., while the average length of haul rose 3.2 p.c. from 246.1 miles in March, 1959 to 253.9 in the month under review. Exports were up 32.6 p.c. to 3,640,770 barrels from 2,746,707 one year earlier but were down slightly from the preceding month's total of 3,670,741 barrels.

For the first three months of the year, total net deliveries amounted to 86,962,344 barrels as compared with 83,540,967 in the corresponding period last year. Provincial deliveries, in barrels, were as follows (1959 data in brackets): British Columbia 11,217,903 (8,217,788); Alberta 5,849,873 (5,938,359); Saskatchewan 4,748,248 (5,288,137); Manitoba 28,431,409 (27,234,191); Ontario 13,913,146 (13,355,009); and Quebec 22,801,765 (23,507,483). Included in Manitoba deliveries were 25,467,608 barrels (24,226,064) transferred to the Lakehead Pipe Line Company at Gretna, the bulk of which moved through the United States to Ontario refineries.

Gathering systems handled an average of 552,073 barrels per day for the month of March, almost 9.2 p.c. above the average of 505,774 barrels in March, 1959 and 2.4 p.c. above the previous month. Trunk lines averaged 1,361,490 barrels, an increase of 5.1 p.c. over the preceding year's total of 1,294,962.

Net receipts during March totalled 28,251,874 barrels, 1.5 p.c. above the 27,840,066 received in the same month one year earlier. Receipts for March were comprised of 11,856,503 barrels of Alberta crude and 49,810 barrels of natural gasoline, 4,476,798 barrels of Saskatchewan crude, 401,474 barrels of Manitoba crude, 6,924,502 barrels of imported crude and 4,542,787 barrels of refinery products.

Operating revenues for the first quarter of 1960 increased by \$2,020,029 or 8.8 p.c. rising to \$24,863,417 from \$22,843,388 recorded in the same period last year.

Employees numbered 1,501 in March and earned \$774,748, as compared with 1,549 employees earning \$769,260 in March, 1959.

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, Ltd., and the Goliad Oil and Gas Company, and employee data of the Amurex Oil Company, Anglo-Canadian Oils, Limited, Key Pipe Line Co., Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Limited, Peace River Oil Pipe Line Co., Ltd., Valley Pipe Line Company, Limited, and Westspur Pipe Line Company, have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

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

	Barrels
Total Received into Systems - all companies -	
during March, 1960 per table 6	144,567,382
Received into Trunk Lines from other Canadian Pipe Lines	57,280,004
"Net Received" into Canadian Pipe Line Systems	87,287,378
"Net Received" into Trunk Systems per table 1	38,943,634
"Net Received" into Gathering Systems per table 2	48,343,744
Total Delivered out of Systems - all Companies -	
during March, 1960 per table 6	146,494,758
Delivered to other Canadian Pipe Lines	59,532,414
"Net Delivered" from Canadian Pipe Line Systems	86,962,344
"Net Delivered" from Trunk Systems per table 1	84,439,966
"Net Delivered" from Gathering Systems per table 2	2,522,378

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 March and are given herewith:

OIL BALANCE - ALL COMPANIES - MARCH 31, 1960

	Barrels	
Total Shippers' Balances - January 1, 1960	10,841,258	
Total Carriers' Balances - January 1, 1960	1,194,848	12,036,106
Received into Gathering Systems during March, 1960	50,703,966	
Received into Trunk Systems during March, 1960	128,303,869	179,007,835
Total oil accountable for period		191,043,941
Delivered from Gathering Systems during March, 1960	50,675,368	
Delivered from Trunk Systems during March, 1960	127,909,882	178,585,250
Balance to be accounted for at March 31, 1960		12,458,691
Oil consumed as fuel and losses during March, 1960		128,760
Balance on hand - March 31, 1960		12,329,931
Total Shippers' Balances - March, 1960	11,176,230	
Total Carriers' Balances - March, 1960	1,153,701	

The Interprovincial Pipe Line Company operates almost 1,700 miles of line in Canada from Edmonton to the International border near Gretna, Manitoba. In addition to this, the company operates 166 miles of line which enters Canada from the United States at Sarnia and extends to Port Credit in Ontario. The Sun Pipe Line Company also operates lines across the St. Clair River from the United States to Sarnia. Oil delivered at Sarnia and other points in Ontario via Interprovincial's line would be a duplication of oil already reported on the western section of the line. For this reason and because of the limited nature of their operations, oil carried by these short sections is not included in Canadian oil pipe line statistics. However, the barrel mile performance of these sections has been included with the total barrel miles shown in tables five and six. A summary of oil delivered by these two lines is shown below.

Month	Interprovincial Pipe Line Company		Sun Pipe Line Company
	Crude Oil Delivered at Sarnia	Clarkson, Port Credit and Trafalgar	Crude and Refined Oil Delivered at Sarnia
	Barrels	Barrels	Barrels
March, 1959	3,616,081	2,261,076	186,396
February, 1960	3,474,341	2,295,290	166,658
March, 1960	4,095,747	2,342,779	183,505

TABLE 1

OIL[†] CARRIED BY PIPE LINES - TRUNK

	March 1960	February 1960	March 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
1. Total Received* (2+3+4+5)	42,466,262	40,455,175	40,125,652	128,303,869
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	10,906,895	9,925,475	9,929,597	32,080,231
3. Other pipe lines - Gathering	7,343,566	6,337,929	6,300,665	20,416,786
4. Trunk	12,240,402	11,439,063	10,910,177	36,863,218
5. Net Received (6+7+8)	11,975,399	12,752,708	12,985,213	38,943,634
6. Originating on own trunk lines	4,793,882	4,958,401	4,566,786	15,449,780
7. Received from foreign pipe line connections	6,924,502	7,566,244	8,220,417	22,812,408
8. Received from other carriers (rail & truck)	257,015	228,063	198,010	681,446
9. Total Delivered* (10+11)	42,206,195	40,542,639	40,143,824	127,909,882
10. Less: Delivered to other Canadian trunk lines	15,050,301	13,484,495	13,140,887	43,469,916
11. Net Delivered (12+13+14)	27,155,894	27,058,144	27,002,937	84,439,966
12. Terminated on own trunk lines	16,913,778	17,485,895	18,067,650	54,338,880
13. Delivered to foreign pipe line connections	10,166,158	9,513,888	8,856,488	29,904,803
14. Delivered to other carriers (truck, rail & water)	75,958	58,361	78,799	196,283

TABLE 2

OIL[‡] CARRIED BY PIPE LINES - GATHERING

	March 1960	February 1960	March 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	17,112,533	15,648,445	15,642,946	50,703,966
16. Less: Received from other gathering systems	836,058	749,354	788,093	2,360,222
17. Net Received (18+19)	16,276,475	14,899,091	14,854,853	48,343,744
18. Originating on own gathering system	15,940,400	14,578,119	14,540,864	47,386,213
19. Received from other carriers (rail & truck)	336,075	320,972	313,989	957,531
20. Total Delivered* (21+22+23)	17,114,262	15,634,442	15,679,009	50,675,368
Less: Delivered to other pipe lines -				
21. Own Trunk system	10,906,895	9,925,475	9,929,597	32,090,492
22. Other pipe lines	5,298,298	4,989,025	5,421,211	16,062,498
23. Net Delivered (24+25)	909,069	719,942	328,201	2,522,378
24. Terminated on gathering systems	802,969	633,667	184,374	2,226,402
25. Delivered to other carriers (rail & truck)	106,100	86,275	143,827	295,976

† Includes natural gasoline and refinery products.

* Includes duplications.

‡ Includes natural gasoline.

TABLE 3

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

Province		March 1960	February 1960	March 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	11,703,551	10,914,158	10,566,019	35,709,241
"	- Trunk	473,809	433,467	436,824	1,371,971
Saskatchewan	- Gathering	4,171,450	3,602,693	3,851,596	11,457,079
"	- Trunk	305,348	291,233	208,787	858,717
Manitoba	- Gathering	401,474	382,240	437,238	1,177,424
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,925,581	2,894,045	3,053,497	9,446,303
Quebec (3)	- Trunk	8,270,661	9,133,963	9,286,105	27,266,643
Net Received	- Gathering	16,276,475	14,899,091	14,854,853	48,343,744
" "	- Trunk	11,975,399	12,752,708	12,985,213	38,943,634
" "	- Total	28,251,874	27,651,799	27,840,066	87,287,378

TABLE 4

OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT TERMINATED
OR WAS TRANSFERRED TO OTHER CARRIERS

Province		March 1960	February 1960	March 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	3,545,024	3,650,090	2,839,526	11,217,903
Alberta (1)	- Gathering	847,507	667,128	221,705	2,331,356
"	- Trunk	1,190,426	1,098,611	1,323,144	3,518,517
Saskatchewan	- Gathering	61,562	52,814	106,496	191,022
"	- Trunk	1,499,492	1,315,558	1,617,695	4,557,226
Manitoba ^b	- Trunk	9,678,099	8,982,777	8,925,425	28,431,409
Ontario (2)	- Trunk	4,287,481	4,470,383	4,116,905	13,913,146
Quebec	- Trunk	6,955,372	7,540,725	8,180,242	22,801,765
Net Delivered	- Gathering	909,069	719,942	328,201	2,522,378
" "	- Trunk ^f	27,155,894	27,058,144	27,002,937	84,439,966
" "	- Total	28,064,963	27,778,086	27,331,138	86,962,344
" "	- Daily average	905,321	957,865	881,650	955,630
^b	Includes deliveries to U.S. pipe lines, Gretna, Man.	8,709,559	8,042,264	7,919,198	25,467,608
^f	Includes exports -				
	via Trans Mountain Oil Pipe Line Company	1,456,599	1,471,624	937,290	4,437,195
	via Interprovincial Pipe Line Company	2,184,171	2,199,117	1,809,417	6,446,676

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		March 1960	February 1960	March 1959	YEAR TO DATE 1960
Barrels Handled - Daily Average					
Gathering Systems	Barrels	552,073	539,118	505,774	556,872
Trunk Lines	"	1,361,490	1,398,022	1,294,962	1,405,603
Total Barrel Miles (Trunk Lines)	Millions	10,720	10,646	9,880	33,164
Average Miles Per Barrel (Trunk Lines)	Miles	253.9	262.6	246.1	259.3
Employees and Earnings (6)					
Average Number (4)	No.	1,501	1,487	1,549	1,494
Total Salaries and Wages	\$	774,748	772,966	769,260	2,303,876
Man-Hours Worked by Wage Earners (5) (6)	Hours	70,923	62,900	67,492	203,342

(1) Includes natural gasoline and some refinery products.

(2) Products of refineries.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Amurex Oil Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Co., Ltd; Valley Pipe Line Company, Limited and Westspur Pipe Line Company.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

	Imperial Pipe Line Company, Ltd.	Inter- provincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans Mountain Oil Pipe Line Company	Pembina Pipe Line Ltd.	Other Pipe Lines (1)	Total
TRAFFIC*				- Barrels -			
<u>Total Received into System</u>							
This month March, 1960	2,855,044	12,197,411	6,924,502	3,526,981	3,571,026	(2) 18,760,878	47,835,842
This year (3 months)	9,254,080	35,258,421	22,812,408	11,316,810	10,106,966	(3) 55,818,697	144,567,382
<u>Total Delivered out of System</u>							
This month March, 1960	2,855,909	11,884,845	6,955,372	3,545,024	3,497,022	(4) 19,675,390	48,413,562
This year (3 months)	9,250,137	34,748,718	22,801,765	11,217,903	10,107,255	(5) 58,368,980	146,494,758
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month March, 1960	92,126	-	-	-	114,809	345,138	552,073
This year (3 months)	101,650	-	-	-	110,770	344,452	556,872
<u>Trunk Lines</u>							
This month March, 1960	-	383,382	224,366	114,356	112,807	526,579	1,361,490
This year (3 months)	-	381,854	250,569	123,274	111,069	538,837	1,405,603
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month March, 1960	-	5,885	491	2,389	243	1,712	10,720
This year (3 months)	-	18,144	1,609	7,550	703	5,158	33,164
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month March, 1960	-	462.0	70.6	674.0	69.6	104.9	253.9
This year (3 months)	-	487.0	70.6	673.0	69.6	105.2	259.3
OPERATING REVENUES 1959				Dollars			
Three months ended Mar. 31	714,077	8,789,463	779,434	4,673,032	1,474,516	(6) 8,432,895	24,863,417
Six months " June 30							
Nine months " Sept. 30							
Twelve months " Dec. 31							
EMPLOYEES AND EARNINGS				Number			
Employees, March, 1960	112	424	49	215	142	(7) 559	1,501
<u>Salaries and Wages</u>				Dollars			
This month March, 1960	57,397	224,237	25,090	122,135	67,860	(7) 278,029	774,748
This year (3 months)	169,379	655,373	72,742	360,886	199,851	(7) 845,645	2,303,876
<u>Man hours Worked by Wage Earners</u>				Hours			
This month March, 1960	11,298	643	6,095	320	13,418	(7) 39,149	70,923
This year (3 months)	33,328	1,092	17,494	410	38,470	(7) 112,548	203,342

* Totals include duplication between companies.

(1) See list of reporting companies on page 7.

(2) Includes 4,542,787 bbls. products and 49,810 bbls. natural gasoline.

(3) Includes 14,666,671 bbls. products and 150,443 bbls. natural gasoline.

(4) Includes 4,416,912 bbls. products and 52,283 bbls. natural gasoline.

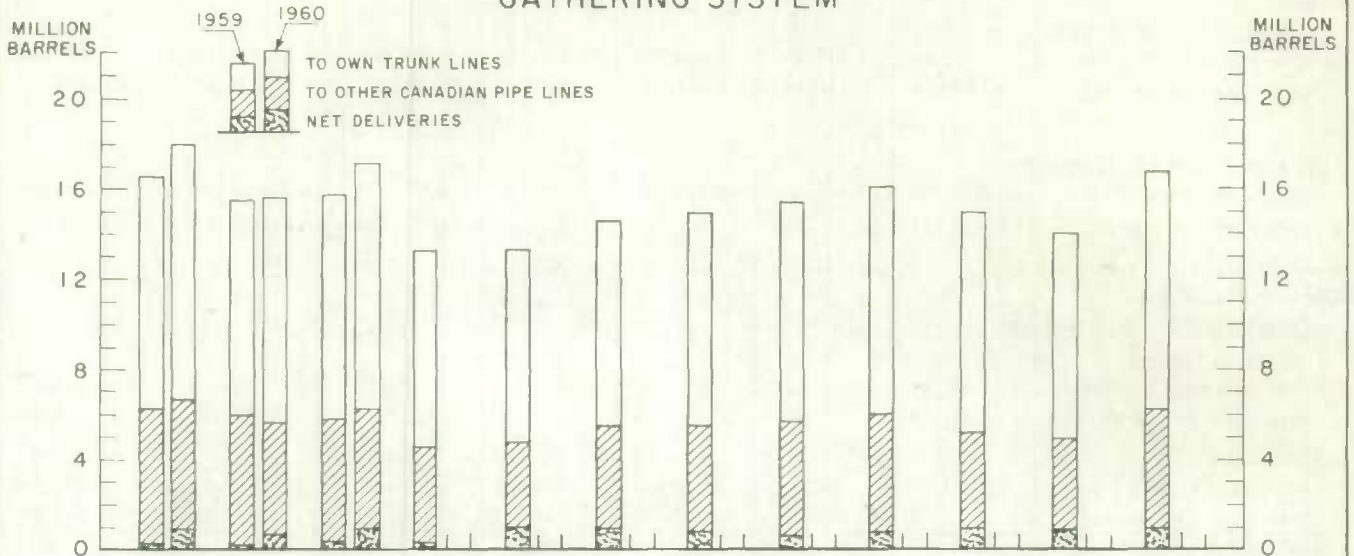
(5) Includes 14,288,205 bbls. products and 147,849 bbls. natural gasoline.

(6) Excludes Amurex Oil Company; Anglo American Exploration, Ltd.; Goliad Oil and Gas Company; Green River Exploration Company Limited; and Imperial Oil Limited, Sarnia Products Pipe Line.

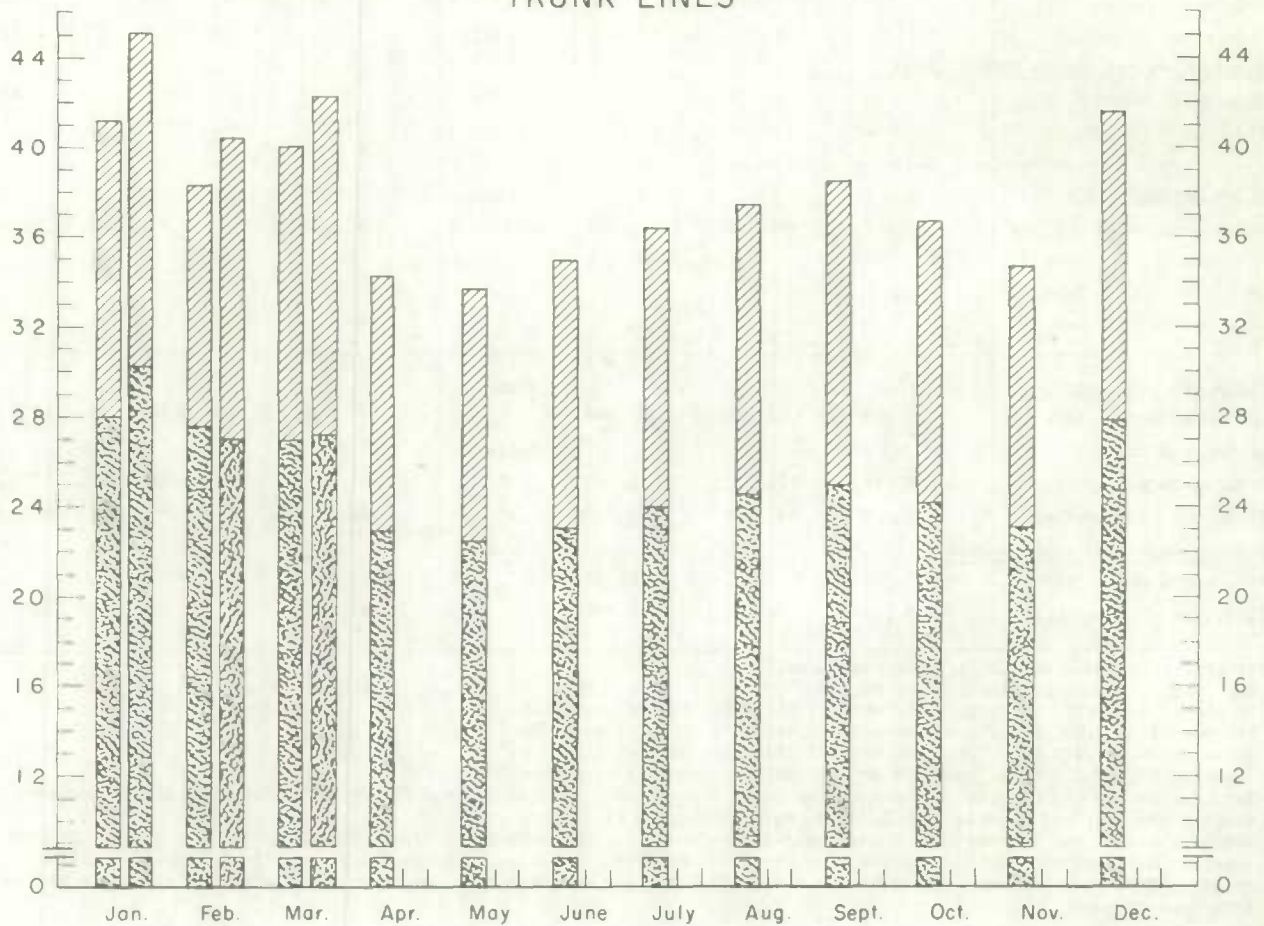
(7) Excludes Amurex Oil Company; Anglo American Exploration Ltd.; Anglo-Canadian Oils Limited, Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Nisku Products Pipe Line Company Limited; Peace River Oil Pipe Line Co., Ltd.; Valley Pipe Line Company, Limited and Westapur Pipe Line Company.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1959 AND 1960

GATHERING SYSTEM



TRUNK LINES



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