



DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Hon. George Hees, Minister of Trade and Commerce

Vol. 11 No. 3

Price: \$2.00 per year

OIL PIPE LINE TRANSPORT

MARCH, 1961

Net deliveries of oil through Canadian pipe lines increased 2.4 per cent in ^{March} April to 28,959,505 barrels from 28,277,682 barrels in the same month last year. During the month the oil pipe line industry delivered 19,943,985 barrels of crude oil and L.P.G.'s to refineries, 4,374,846 barrels of products and 4,640,674 barrels of crude oil and L.P.G.'s for export.

Receipts of crude oil, L.P.G.'s and products by pipe line increased 1.8 per cent to 28,928,730 barrels over the previous year's total of 28,430,931 barrels. Comprising the month's receipts were 16,653,141 barrels of domestic crude oil and L.P.G.'s, 7,923,880 barrels of imported crude oil, L.P.G.'s and products and 4,351,709 barrels of products.

Trunk line receipts rose 1.7 per cent above last March. Own gathering systems accounted for 39.1 per cent of receipts with 14.4 per cent received from other gathering systems. Imports of 7,923,880 barrels were up 11.1 per cent from March, 1960 and accounted for 28.4 per cent of the receipts.

Deliveries to refineries were down 0.4 per cent while exports increased to 4,640,674 barrels or 27.5 per cent. Total oil held by Canadian pipe line systems amounted to 13,038,558 barrels at the end of the month.

Total traffic of trunk lines amounted to 10,883,823 barrel miles, slightly less than the same period one year earlier. The average length of haul was 249.7 miles.

Operating revenues for the first quarter of the year increased by \$230,142 or 0.9 per cent, rising to \$25,161,048 from \$24,930,906 in March, 1960.

Although the total number of employees declined from the same period in the preceding year, the total wages paid increased to \$785,928 from \$774,748.

This is the third Oil Pipe Line Transport report based on new reporting forms for the responding companies. The companies are asked to report all receipts and deliveries of oil and to account for all oil handled. All duplications resulting from the transfer of oil from one pipe line company to another were removed. Totals are therefore total unduplicated receipts or deliveries. To give some indication of the volume of intercompany transfers these items are also carried and enter into the gross totals, i.e. totals including duplications. Oil used as "fuel" has been separated from "losses and unaccounted for" and have been entered as individual items. Inventory and other changes which include changes in "inventory held in bond in the United States" are also segregated.

Comparisons between the new series and the old are given. The operations of the pipe lines are divided by product and type of operation.

New categories of receipts and deliveries that are used include the following:

Transfers from L.P.G.'s to (or from) crude oil stream are to account for liquefied petroleum gases which are mixed into the crude oil and are no longer recorded separately.

Deliveries and receipts from bulk plants and terminals are points of receipt and delivery of refined petroleum products and also include receipts from gas processing plants.

Prepared in the Public Utilities Section
Public Finance and Transportation Division.

S506-502-31

TABLE 1. Summary of Net Receipts and Net Deliveries of Gathering and Trunk Oil Pipe Lines, by Province

	British Columbia	Alberta	Saskat- chewan	Manitoba	Ontario	Quebec	Yukon	Canada
barrels								
<u>Net Receipts</u>								
Crude oil:								
By gathering lines	95,436	10,784,748	4,373,384	415,739	-	-	-	15,669,307
By trunk lines from other carriers and plants	-	268,507	172,472	-	-	-	-	440,979
Total net domestic receipts	95,436	11,053,255	4,545,856	415,739	-	-	-	16,110,286
Imports	-	-	-	-	157,566	7,726,185	-	7,883,751
Totals	95,436	11,053,255	4,545,856	415,739	157,566	7,726,185	-	23,994,037
L.P.G.'s:								
By gathering lines	-	272,555	-	-	-	-	-	272,555
From other carriers and processing plants by trunk lines ..	-	269,462	838(1)	-	-	-	-	270,300
Total net domestic receipts	-	542,017	838	-	-	-	-	542,855
Imports	-	-	-	-	10,652	-	-	10,652
Totals	-	542,017	838	-	10,652	-	-	553,507
Products:								
From plants and refineries	-	-	-	-	2,575,894	1,775,815	-	4,351,709
Imports	-	-	-	-	2,716	-	26,761	29,477
Totals	-	-	-	-	2,578,610	1,775,815	26,761	4,381,186
Total net domestic receipts of crude oil and L.P.G.'s	95,436	11,595,272	4,546,694	415,739	-	-	-	16,653,141
Total net domestic receipts of products	-	-	-	-	2,575,894	1,775,815	-	4,351,709
Total net imports of crude oil, L.P.G.'s and products	-	-	-	-	170,934	7,726,185	26,761	7,923,880
Total net receipts, March, 1961	95,436	11,595,272	4,546,694	415,739	2,746,828	9,501,990	26,761	28,928,730
Total net receipts, February, 1961	67,674	12,995,565	4,192,038	392,158	3,638,452	9,530,259	24,277	30,796,149
Total net receipts, March, 1960	-	12,146,748	4,476,798	401,474	3,109,008	8,270,661	26,242	28,430,931
<u>Net Deliveries</u>								
Crude oil:								
To refineries by gathering lines	84,450	472,573	-	-	-	-	-	557,023
by trunk lines	2,188,502	994,134	1,493,663	1,099,630	5,559,325	7,708,389	-	19,043,643
To other carriers by gathering lines	-	41,561	23,262	-	-	-	-	64,823
by trunk lines	-	51	-	-	-	-	-	51
Total net domestic deliveries	2,272,952	1,508,319	1,516,925	1,099,630	5,559,325	7,708,389	-	19,665,540
Exports	1,706,138	-	-	2,876,160	-	-	-	4,582,298
Totals	3,979,090	1,508,319	1,516,925	3,975,790	5,559,325	7,708,389	-	24,247,838
L.P.G.'s:								
To refineries by gathering lines	-	147,495	-	-	-	-	-	147,495
by trunk lines	-	67,267	-	838(1)	10,644	-	-	78,749
To other carriers by gathering lines	-	-	-	-	-	-	-	-
by trunk lines	-	24,585	-	-	-	-	-	24,585
To bulk plants, terminals, etc.	-	27,616	-	-	-	-	-	27,616
Total net domestic deliveries	-	266,963	-	838	10,644	-	-	278,445
Exports	-	-	-	-	58,376	-	-	58,376
Totals	-	266,963	-	838	69,020	-	-	336,821
Products:								
To bulk plants, terminals, etc.	-	-	-	-	4,348,890	-	25,956	4,374,846
Total net domestic deliveries of crude oil and L.P.G.'s. ...	2,272,952	1,775,282	1,516,925	1,100,468	5,569,969	7,708,389	-	19,943,955
Total net domestic deliveries of products	-	-	-	-	4,348,890	-	25,956	4,374,846
Total net exports of crude oil, L.P.G.'s and products	1,706,138	-	-	2,876,160	58,376	-	-	4,640,674
Total net deliveries, March, 1961	3,979,090	1,775,282	1,516,925	3,976,628	9,977,235	7,708,389	25,956	28,959,505
Total net deliveries, February, 1961	3,692,077	1,639,247	1,487,544	3,359,801	10,748,793	7,196,844	27,911	28,152,217
Total net deliveries, March, 1960	3,545,024	2,037,933	1,561,054	3,152,711	10,909,512	6,955,372	29,214	28,277,682

(1) Trucked from Saskatchewan to Manitoba pipeline terminal.

TABLE 2. Receipts and Disposition of Crude Oil, Liquefied Petroleum Gases and Petroleum Products - Trunk Lines

	Crude oil	L.P.G.'s	Products	Total March 1961	February 1961	March 1960	Inter- provincial Pipe Line Company	Montreal Pipe Line Company Limited	Trans- Mountain Oil Pipe Line Company
barrels									
<u>Receipts</u>									
Receipts:									
From own gathering system	10,787,889	122,026	-	10,909,915	10,464,684	10,906,895	-	-	-
From other gathering systems	4,013,339(1)	-	-	4,013,339(1)	4,540,901	4,298,815	2,312,037	-	214,754
From other carriers (truck and rail)	237,673	8,735	-	246,408	244,104	257,015	-	-	-
From refineries and processing plants	203,306	261,565	4,351,709	4,816,580	5,107,314	4,841,133	-	-	-
Imports	7,883,751	10,652	29,477	7,923,880	7,410,916	7,134,171	-	7,726,185	-
Total net receipts	23,125,958	402,978	4,381,186	27,910,122	27,767,919	27,438,029	2,312,037	7,726,185	214,754
Transfers from other trunk lines	15,468,161	208,657	-	15,676,818	14,866,522	15,285,153	9,093,115	-	3,557,315
Transfers from L.P.G.'s	175,971	-	-	175,971	-	-	-	-	-
Total gross receipts	38,770,090	611,635	4,381,186	43,762,911	42,634,441	42,723,182	11,405,152	7,726,185	3,772,069
<u>Disposition</u>									
Deliveries to refineries	19,043,643	78,749	-	19,122,392	18,602,541	19,192,578	6,260,775	-	2,188,502
Exports	4,582,298	58,376	-	4,640,674	4,158,256	3,640,770	2,876,160	-	1,706,138
To other carriers (truck and rail)	51	24,585	-	24,636	41,539	75,958	-	-	-
To bulk plants, terminals, etc.	-	27,616	4,374,846	4,402,462	4,722,273	4,372,445	-	7,708,389	-
Total net deliveries	23,625,992	189,326	4,374,846	28,190,164	27,524,609	27,281,751	9,136,935	7,708,389	3,894,640
Transfers to other trunk lines	15,147,604	74,040	-	15,221,644	14,455,072	..	2,001,804	-	-
Transfers to crude oil stream	-	175,971	-	175,971	-	-	-	-	-
Total gross deliveries	38,773,596	439,337	4,374,846	43,587,779	41,979,681	42,451,623	11,138,739	7,708,389	3,894,640
Pipeline fuel	22,106	-	-	22,106	19,285	128,760(2)	21,721	-	-
Pipeline losses and unaccounted for	-4,770	2,448	1,005	-1,317	17,117	..	-6,049	12,147	5,919
Inventory changes and other changes	-20,842	169,850	5,335	154,343	618,358	..	250,741	5,649	-128,490
Deliveries to other carriers U.S.A.(3)	-	-	-	-	-	-	-	-	-
Total disposition	38,770,090	611,635	4,381,186	43,762,911	42,634,441	..	11,405,152	7,726,185	3,772,069
Crude oil deliveries to U.S.A. at Gretna, Man.				8,372,051	8,205,283	8,709,559			
Crude oil received from U.S.A. at Sarnia, Ont.				1,706,138	5,851,604	4,095,747			

(1) Does not agree with deliveries to other trunk lines due to slight differences between company reports, Table 4.

(2) Gathering and trunk.

(3) For re-entry into Canada.

.. Figures not available.

TABLE 3. Receipts and Disposition of Crude Oil, by Province - Trunk Lines

	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	Quebec	Canada
	barrels						
<u>Receipts</u>							
Receipts:							
From own gathering system	-	8,023,825	2,764,064	-	-	-	10,787,889
From other gathering systems	-	1,998,858	1,598,233	416,248	-	-	4,013,339(1)
From other carriers (truck and rail)	-	65,201	172,472	-	-	-	237,673
From refineries and processing plants	-	203,306	-	-	-	-	203,306
Imports	-	-	-	-	157,566	7,726,185	7,883,751
Total net receipts	-	10,291,190	4,534,769	416,248	157,566	7,726,185	23,125,958
Transfers from other trunk lines	-	9,446,301	1,741,225	4,280,635	-	-	15,468,161
Transfers from L.P.G.'s.....	-	175,971	-	-	-	-	175,971
Total gross receipts	-	19,913,462	6,275,994	4,696,883	157,566	7,726,185	38,770,090
<u>Disposition</u>							
Deliveries to refineries	2,188,502	994,134	1,493,663	1,099,630	5,559,325	7,708,389	19,043,643
Exports	1,706,138	-	-	2,876,160	-	-	4,582,298
To other carriers (truck and rail)	-	51	-	-	-	-	51
To bulk plants, terminals, etc.	-	-	-	-	-	-	-
Total net deliveries	3,894,640	994,185	1,493,663	3,975,790	5,559,325	7,708,389	23,625,992
Transfers to other trunk lines	-	9,125,527	1,655,095	4,366,982	-	-	15,147,604
Total gross deliveries	3,894,640	10,119,712	3,148,758	8,342,772	5,559,325	7,708,389	38,773,596
Pipeline fuel							22,106
Pipeline losses and unaccounted for							- 4,170
Inventory changes							- 30,841
Total disposition				(provincial breakdown not available)			38,770,090
Crude oil deliveries to U.S.A. at Gretna, Man.							8,372,051
Crude oil received from U.S.A. at Sarnia, Ont.							1,706,138

(1) Does not agree with deliveries to other trunk lines due to slight differences between company reports, Table 4.

TABLE 4. Receipts and Disposition of Crude Oil and Liquefied Petroleum Gases - Gathering Lines

	Crude Oil Canada	L.P.G.'s Canada	Total March 1961	February 1961	March 1960
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	15,515,914	187,768	15,703,682	15,645,808	15,862,537
By truck and rail	153,393	84,787	238,180	228,839	336,075
Total net receipts	15,669,307	272,555	15,941,862	15,874,647	16,198,612
Transfers from L.P.G.'s to crude oil stream	31,449	-	31,449	-	..
Transfers from other gathering systems	876,155	-	876,155	665,221	..
Total gross receipts	16,576,911	272,555	16,849,466	16,539,868	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines	10,787,889	10,341	10,798,230	10,464,684	10,906,895
To other trunk lines	4,298,815	111,789	4,410,604	4,766,036	4,411,637
To other carriers (truck and rail)	64,823	-	64,823	53,461	106,100
Refineries and processing plants	557,023	147,495	704,518	574,147	802,969
Total net deliveries	15,708,550	269,625	15,978,175	15,858,328	16,227,601
Transfers to other gathering systems	835,266	-	835,266	616,768	886,661
Transfers to crude oil stream	-	31,449	31,449	-	-
Total gross deliveries	16,543,816	301,074	16,844,890	16,475,096	17,114,262
Pipeline fuel	-	-	-	2,983	..
Pipeline losses and unaccounted for	10,821	-969	9,852	12,924	..
Inventory changes	22,274	-27,550	-5,276	48,865	..
Total disposition	16,576,911	272,555	16,849,466	16,539,868	..

.. Figures not available.

TABLE 5. Receipts and Disposition of Crude Oil, by Province - Gathering Lines

	Crude oil				
	British Columbia	Alberta	Saskatchewan	Manitoba	Canada
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	95,436	10,669,384	4,365,321	385,773	15,515,914
By truck and rail	-	115,364	8,063	29,966	153,393
Total net receipts	95,436	10,784,748	4,373,384	415,739	15,669,307
Transfers from L.P.G.'s to crude oil stream	-	31,449	-	-	31,449
Transfers from other gathering systems	-	40,889	835,266	-	876,155
Total gross receipts	95,436	10,857,086	5,208,650	415,739	16,576,911
<u>Disposition</u>					
Deliveries:					
To own trunk lines	-	8,023,825	2,764,064	-	10,787,889
To other trunk lines	-	2,284,334	1,598,233	416,248	4,298,815
To other carriers (truck and rail)	-	41,561	23,262	-	64,823
Refineries and processing plants	84,450	472,573	-	-	557,023
Total net deliveries	84,450	10,822,293	4,385,559	416,248	15,708,550
Transfers to other gathering systems	-	-	835,266	-	835,266
Total gross deliveries	84,450	10,822,293	5,220,825	416,248	16,543,816
Pipeline fuel	-	-	-	-	-
Pipeline losses and unaccounted for	-	-	-	-	10,821
Inventory changes	-	-	-	-	22,274
Total disposition	-	-	-	-	16,576,911

(provincial breakdown not available)

TABLE 6. Inventories of Oil Pipe Lines at end of Month

	Crude oil		L. P. G. 's		Products Trunk	Total March 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances	117,254	11,017,965	-	94,793	522,045	11,752,057
Carriers' balances	341,109	938,307	4,611	2,474	-	1,286,501
Total inventory	458,363	11,956,272	4,611	97,267	522,045	13,038,558
Oil held in lines	344,807	7,956,452	4,611	24,799	464,788	8,795,457
Oil held in tanks	113,556	3,999,820	-	72,468	57,257	4,243,101
Inventory change, March, 1961	25,809	-8,665	-	8,916	5,335	31,395

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

	Crude oil	L. P. G. 's	Products	All pipelines March, 1961	March 1960	Interprovincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans- Mountain Oil Pipe Line Company
<u>Barrels handled</u>								
<u>Daily average of net deliveries:</u>								
Gathering systems	506,727	8,698	-	515,425	523,471	-	-	-
Trunk lines	762,129	6,107	141,124	909,360	880,056	294,739	248,658	125,634
<u>Daily average of gross deliveries:</u>								
Gathering lines	533,671	9,712	-	543,383	552,073	-	-	-
Trunk lines	1,250,761	14,172	141,124	1,406,057	1,369,407	367,335	248,658	125,634
<u>Total barrel miles:</u>								
Trunk lines	10,114,432	6,498	762,893	10,883,823	10,930,488 ^F	5,683,015	543,860	2,610,497
<u>Average miles per barrel:</u>								
Trunk lines	260.9	14.8	1.7	249.7	257.1 ^F	509.0	70.6	670.0
<u>Operating revenues, 1961:</u>								
Three months ended Mar. 31	23,279,639	99,549	1,781,860	25,161,048	24,930,906	7,366,409	757,942	854,007
Six months " June 30								
Nine months " Sept. 30								
Twelve months " Dec. 31								
<u>Employees and earnings:</u>								
Employees	No.							
Salaries and wages	\$							
		Crude oil and L. P. G. pipelines	Product pipelines	Total all pipelines March, 1961	March 1960	Interprovincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans- Mountain Oil Pipe Line Co.
Employees	No.	1,314	176	1,490	1,501	418	48	211
Salaries and wages	\$	692,018	93,910	785,928	774,748	225,457	25,086	118,866

^F Revised figures

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