



# DOMINION BUREAU OF STATISTICS

## OTTAWA - CANADA

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

Vol. 11 No. 5

## OIL PIPE LINE TRANSPORT

JUNE, 1961

Price: \$2.00 per year

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Canadian oil pipe lines received a total of 25,790,897 barrels of crude oil, liquefied petroleum gases and petroleum products during June, 1961. This was a 6.8 per cent increase from the previous year's total of 24,150,638 barrels. The month's receipts were comprised of 18,180,935 barrels of domestic crude oil and L.P.G.'s, 4,181,780 barrels of imported crude oil, L.P.G.'s and products and 3,428,182 barrels of products.

During the month the oil pipe line industry delivered 25,560,030 barrels of petroleum and its products (852,001 barrels per day), an increase of 5.5 per cent over the preceding year's total of 24,218,304 barrels. The deliveries included 16,159,798 barrels of domestic crude oil and L.P.G.'s, 5,943,844 barrels of crude oil, L.P.G.'s and products for export and 3,456,388 barrels of products.

Trunk line net receipts rose 16.2 per cent above June, 1960. Gathering systems accounted for 69.4 per cent of the receipts. Imports of 4,181,780 barrels were down 22.8 per cent from the previous year and accounted for 15.2 per cent of the receipts.

Deliveries to refineries decreased 5.6 per cent, exports increased 71.4 per cent to 5,943,844 barrels and deliveries to bulk plants and terminals rose 8.0 per cent. Total oil held by Canadian pipe line systems amounted to 12,827,068 barrels at the end of the month, an increase of 1.5 per cent.

Total traffic of trunk lines amounted to 12,232,349 barrel miles while the average length of haul was 298.4 miles.

Operating revenues for the first half of the year increased \$4,071,881 or 8.4 per cent to 52,479,-\$48 from \$48,407,967 in the same period last year.

Employees numbered 1,541 in June and earned \$803,975 as compared with 1,605 employees earning \$820,681 in June 1960.

This is the sixth 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 are 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 condensate and 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.

8506-302-61

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 .....	23,471	12,278,361	4,272,343	386,682	-	-	-	16,960,857
By trunk lines from other carriers and plants .....	-	334,160	176,705	-	-	-	-	510,865
Total net domestic receipts .....	23,471	12,612,521	4,449,048	386,682	-	-	-	17,471,722
Imports .....	-	-	-	-	137,587	4,020,271	-	4,157,858
Totals .....	23,471	12,612,521	4,449,048	386,682	137,587	4,020,271	-	21,629,580
L.P.G.'s:								
By gathering lines .....	-	443,529	-	-	-	-	-	443,529
From other carriers and processing plants by trunk lines ..	-	196,288	964	-	68,432	-	-	265,684
Total net domestic receipts .....	-	639,817	964	-	68,432	-	-	709,213
Imports .....	-	-	-	-	-	-	-	-
Totals .....	-	639,817	964	-	68,432	-	-	709,213
Products:								
From plants and refineries .....	-	-	-	-	2,243,481	1,180,174	4,527	3,428,182
Imports .....	-	-	-	-	1,691	-	22,231	23,922
Totals .....	-	-	-	-	2,245,172	1,180,174	26,758	3,452,104
Total net domestic receipts of crude oil and L.P.G.'s .....	23,471	13,252,338	4,450,012	386,682	68,432	-	-	18,180,935
Total net domestic receipts of products .....	-	-	-	-	2,243,481	1,180,174	4,527	3,428,182
Total net imports of crude oil, L.P.G.'s and products .....	-	-	-	-	139,278	4,020,271	22,231	4,181,780
Total net receipts, June, 1961 .....	23,471	13,252,338	4,450,012	386,682	2,451,191	5,200,445	26,758	25,790,897
Total net receipts, May, 1961 .....	42,659	14,194,299	4,486,325	407,158	2,319,886	6,104,467	19,157	27,573,851
Total net receipts, June, 1960 .....	-	10,904,790	4,255,846	393,586	1,944,223	6,632,361	19,832	24,150,638
<u>Net Deliveries</u>								
Crude oil:								
To refineries by gathering lines .....	34,020	63,219	-	-	-	-	-	97,239
by trunk lines .....	1,634,808	1,235,090	1,071,503	872,473	6,867,914	4,062,266	-	15,744,054
To other carriers by gathering lines .....	-	44,559	16,483	-	-	-	-	61,042
by trunk lines .....	-	-	-	-	-	-	-	-
Total net domestic deliveries .....	1,668,828	1,342,868	1,087,986	872,473	6,867,914	4,062,266	-	15,902,335
Exports .....	3,228,068	-	-	2,675,502	-	-	-	5,903,570
Totals .....	4,896,896	1,342,868	1,087,986	3,547,975	6,867,914	4,062,266	-	21,805,905
L.P.G.'s:								
To refineries by gathering lines .....	-	142,649	-	-	-	-	-	142,649
by trunk lines .....	-	65,350	-	964	-	-	-	66,314
To other carriers by gathering lines .....	-	-	-	-	-	-	-	-
by trunk lines .....	-	16,896	-	-	-	-	-	16,896
To bulk plants, terminals, etc. ....	-	31,604	-	-	-	-	-	31,604
Total net domestic deliveries .....	-	256,499	-	964	-	-	-	257,463
Exports .....	-	-	-	-	40,274	-	-	40,274
Totals .....	-	256,499	-	964	40,274	-	-	297,737
Products:								
To bulk plants, terminals, etc. ....	-	-	-	-	3,434,402	-	21,986	3,456,388
Total net domestic deliveries of crude oil and L.P.G.'s. ...	1,668,828	1,599,367	1,087,986	873,437	6,867,914	4,062,266	-	16,159,798
Total net domestic deliveries of products .....	-	-	-	-	3,434,402	-	21,986	3,456,388
Total net exports of crude oil, L.P.G.'s and products .....	3,228,068	-	-	2,675,502	40,274	-	-	5,943,844
Total net deliveries, June, 1961 .....	4,896,896	1,599,367	1,087,986	3,548,939	10,342,590	4,062,266	21,986	25,560,030
Total net deliveries, May, 1961 .....	5,153,452	1,777,117	1,772,369	3,374,943	10,553,866	4,978,474	20,505	27,630,726
Total net deliveries, June, 1960 .....	3,694,719	1,953,457	1,176,131	2,652,843	9,503,682	5,216,235	21,237	24,218,304

(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 June 1961	May 1961	June 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 .....	11,569,727	181,384	-	11,751,111	12,277,063	10,142,524	-	-	-
From other gathering systems .....	7,186,183(1)	101,514	-	7,287,697	4,957,701	4,144,313	3,144,304	-	2,564,963
From other carriers (truck and rail) .....	257,866	8,867	-	266,733	266,122	229,334	-	-	8,101
From refineries and processing plants .....	252,999	256,817	3,428,182	3,937,998	3,853,305	3,663,343	-	-	-
Imports .....	4,157,858	-	23,922	4,181,780	5,034,930	5,418,028	-	4,020,271	-
Total net receipts .....	23,424,633	548,582	3,452,104	27,425,319	26,389,121	23,597,542	3,144,304	4,020,271	2,573,064
Transfers from other trunk lines .....	13,654,089	40,395	-	13,694,484	17,233,931	13,251,280	8,777,145	-	2,325,498
Transfers from L.P.G.'s .....	188,253	-	-	188,253	177,814	-	-	-	-
Total gross receipts .....	37,266,975	588,977	3,452,104	41,308,056	43,800,866	36,848,822	11,921,449(4)	4,020,271	4,898,562
<u>Disposition</u>									
Deliveries to refineries .....	15,744,054	66,314	-	15,810,368	18,143,629	16,745,594	7,188,200	4,062,266	1,634,808
Exports .....	5,903,570	40,274	-	5,943,844	5,154,475	3,467,021	2,675,502	-	3,228,068
To other carriers (truck and rail) .....	-	16,896	-	16,896	27,109	68,096	-	-	-
To bulk plants, terminals, etc. ....	-	31,604	3,456,388	3,487,992	3,457,080	3,230,781	-	-	-
Total net deliveries .....	21,647,624	155,088	3,456,388	25,259,100	26,782,293	13,149,344	9,863,702	4,062,266	4,862,876
Transfers to other trunk lines .....	15,458,933	87,536	-	15,546,469	16,830,400	..	1,743,210	-	-
Transfers to crude oil stream .....	-	188,253	-	188,253	177,814	-	-	-	-
Total gross deliveries .....	37,106,557	430,877	3,456,388	40,993,822	43,790,507	36,660,836	11,606,912	4,062,266	4,862,876
Pipeline fuel .....	23,366	-	-	23,366	26,674	176,434(2)	22,714	-	452
Pipeline losses and unaccounted for .....	-67,808	30,140	-904	-38,572	-97,403	..	11,215	-33,984	1,826
Inventory changes and other changes .....	29,661	127,960	-3,380	154,241	-155,163	..	105,409	-8,011	33,408
Deliveries to other carriers U.S.A.(3) .....	175,199	-	-	175,199	236,251	-	175,199	-	-
Total disposition .....	37,266,975	588,977	3,452,104	41,308,056	43,800,866	..	11,921,449(4)	4,020,271	4,898,562
Crude oil deliveries to U.S.A. at Gretna, Man.				9,481,916(4)	9,471,044	7,936,022			
Crude oil received from U.S.A. at Sarnia, Ont.				6,732,403	6,956,404(4)	6,245,468			

(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.

(4) Contains L.P.G.'s and Condensates.

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 .....	-	8,880,194	2,689,533	-	-	-	11,569,727
From other gathering systems .....	-	5,220,564	1,578,430	387,189	-	-	7,186,183
From other carriers (truck and rail) .....	-	81,161	176,705	-	-	-	257,866
From refineries and processing plants .....	-	252,999	-	-	-	-	252,999
Imports .....	-	-	-	-	137,587	4,020,271	4,157,858
Total net receipts .....	-	14,434,918	4,444,668	387,189	137,587	4,020,271	23,424,633
Transfers from other trunk lines .....	-	7,834,313	1,765,996	4,053,780	-	-	13,654,089
Transfers from L.P.G.'s .....	-	188,253	-	-	-	-	188,253
Total gross receipts .....	-	22,457,484	6,210,664	4,440,969	137,587	4,020,271	37,266,975
<u>Disposition</u>							
Deliveries to refineries .....	1,634,808	1,235,090	1,071,503	872,473	6,867,914	4,062,266	15,744,054
Exports .....	3,228,068	-	-	2,675,502	-	-	5,903,570
To other carriers (truck and rail) .....	-	-	-	-	-	-	-
To bulk plants, terminals, etc. ....	-	-	-	-	-	-	-
Total net deliveries .....	4,862,876	1,235,090	1,071,503	3,547,975	6,867,914	4,062,266	21,647,624
Transfers to other trunk lines .....	-	9,638,880	1,765,996	4,054,057	-	-	15,458,933
Total gross deliveries .....	4,862,876	10,873,970	2,837,499	7,602,032	6,867,914	4,062,266	37,106,557
Pipeline fuel .....							23,366
Pipeline losses and unaccounted for .....							-67,808
Inventory changes .....							204,860
Total disposition .....							37,266,975
Crude oil deliveries to U.S.A. at Gretna, Man. ....							9,481,916 (2)
Crude oil received from U.S.A. at Sarnia, Ont. ....							6,732,403

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

(2) Contains L.P.G.'s and Condensates.

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

	Crude Oil Canada	L.P.G.'s Canada	Total June 1961	May 1961	June 1960
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems .....	16,795,803	341,091	17,136,894	18,231,907	14,564,439
By truck and rail .....	165,054	102,438	267,492	178,587	275,494
Total net receipts .....	16,960,857	443,529	17,404,386	18,410,494	14,839,933
Transfers from L.P.G.'s to crude oil stream .....	17,865	-	17,865	28,407	..
Transfers from other gathering systems .....	899,863	-	899,863	904,755	..
Total gross receipts .....	17,878,585	443,529	18,322,114	19,343,656	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines .....	11,569,727	181,384	11,751,111	12,877,201	10,142,524
To other trunk lines .....	5,304,863	101,514	5,406,377	4,715,039	4,144,313
To other carriers (truck and rail) .....	61,042	-	61,042	67,252	138,787
Refineries and processing plants .....	97,239	142,649	239,888	781,181	396,628
Total net deliveries .....	17,032,871	425,547	17,458,418	18,440,673	14,822,252
Transfers to other gathering systems .....	852,241	-	852,241	848,789	840,613
Transfers to crude oil stream .....	-	17,865	17,865	28,407	-
Total gross deliveries .....	17,885,112	443,412	18,328,524	19,317,869	15,662,865
Pipeline fuel .....	-	-	-	-	..
Pipeline losses and unaccounted for .....	5,771	-22	5,749	7,071	..
Inventory changes .....	-12,298	139	-12,159	18,716	..
Total disposition .....	17,878,585	443,529	18,322,114	19,343,656	..
.. 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 .....	23,471	12,159,093	4,262,185	351,054	16,795,803	
By truck and rail .....	-	119,268	10,158	35,628	165,054	
Total net receipts .....	23,471	12,278,361	4,272,343	386,682	16,960,857	
Transfers from L.P.G.'s to crude oil stream .....	-	17,865	-	-	17,865	
Transfers from other gathering systems .....	-	47,622	852,241	-	899,863	
Total gross receipts .....	23,471	12,343,848	5,124,584	386,682	17,878,585	
<u>Disposition</u>						
Deliveries:						
To own trunk lines .....	-	8,880,194	2,689,533	-	11,569,727	
To other trunk lines .....	-	3,339,244	1,578,430	387,189	5,304,863	
To other carriers (truck and rail) .....	-	44,559	16,483	-	61,042	
Refineries and processing plants .....	34,020	63,219	-	-	97,239	
Total net deliveries .....	34,020	12,327,216	4,284,446	387,189	17,032,871	
Transfers to other gathering systems .....	-	-	852,241	-	852,241	
Total gross deliveries .....	34,020	12,327,216	5,136,687	387,189	17,885,112	
Pipeline fuel .....					-	
Pipeline losses and unaccounted for .....			(provincial breakdown not available)			5,771
Inventory changes .....					-12,298	
Total disposition .....					17,878,585	



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

	Crude oil		L.P.G.'s		Products Trunk	Total June 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances .....	90,008	10,859,888	139	53,855	479,104	11,482,994
Carriers' balances .....	306,340	995,801	4,138	5,547	32,248	1,344,074
Total inventory .....	396,348	11,855,689	4,277	59,402	511,352	12,827,068
Oil held in lines .....	314,154	7,868,811	4,138	20,377	465,939	8,673,419
Oil held in tanks .....	82,194	3,986,878	139	39,025	45,413	4,153,649
Inventory change, June, 1961 .....	-12,298	204,860	139	127,960	-3,380	317,281

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

		Crude oil	L.P.G.'s	Products	All pipelines June 1961	June <sup>x</sup> 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 .....	barrels	567,762	14,185	-	581,947	494,075	-	-	-
Trunk lines .....	"	721,587	5,170	115,213	841,970	438,311	328,790	135,409	162,096
<u>Daily average of gross deliveries:</u>									
Gathering lines .....	"	596,170	14,780	-	610,950	522,095	-	-	-
Trunk lines .....	"	1,236,885	14,363	115,213	1,366,461	1,222,028	393,155	135,409	162,096
<u>Total barrel miles:</u>									
Trunk lines .....	000's miles	11,156,823	6,186	1,069,340	12,232,349	9,619,800	6,274,907	286,630	3,249,793
<u>Average miles per barrel:</u>									
Trunk lines .....	miles	300.7	14.4	30.9	298.4	262.4	532.0	70.6	668.0
<u>Operating revenues, 1961:</u>									
Three months ended Mar. 31 <sup>x</sup> .....		23,283,457	99,549	2,623,083	26,006,089	24,930,906	7,366,409	757,942	4,854,007
Six months " June 30 .....		48,162,141	184,816	4,132,891	52,479,848	48,407,967	14,967,794	1,333,977	10,850,465
Nine months " Sept. 30 .....									
Twelve months " Dec. 31 .....									
		Crude oil and L.P.G. pipelines	Product pipelines	Total all pipelines June, 1961	June 1960	Interprovincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans- Mountain Oil Pipe Line Co.	
<u>Employees and earnings:</u>									
Employees .....	No.	1,366	175	1,541	1,605	448	46	210	
Salaries and wages .....	\$	711,381	92,594	803,975	820,681	240,092	24,083	120,210	

.. Figures not available.

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