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## OIL PIPE LINE TRANSPORT

MAY, 1961

Canadian oil pipe lines received a total of 27,573,851 barrels of crude oil, liquefied petroleum gases and petroleum products during May, 1961. This is a 7.0 per cent increase from May of last year when 25,761,224 barrels were received but was a decrease of 3.4 per cent from the March receipts of 28,535,147 barrels. The receipts were comprised of 19,130,441 barrels of domestic crude oil and L.P.G.'s, 5,034,930 barrels of imported crude oil and products and 3,408,480 barrels of products.

During the month the oil pipe line industry delivered 27,630,726 barrels of petroleum and its products (891,314 barrels per day) an increase of 5.4 per cent from last year's total of 26,221,060 barrels. The deliveries included 19,050,444 barrels of crude oil and L.P.G.'s, 5,154,475 barrels of crude oil, L.P.G.'s and products for export and 3,425,807 barrels of products.

Trunk line receipts rose 6.4 per cent to 26,389,121 barrels from 24,787,205 barrels one year earlier. Own gathering systems accounted for 46.5 per cent of receipts with 18.8 per cent received from other gathering systems. Imports of 5,034,930 barrels were 19.3 per cent less than in May 1960 and accounted for 19.1 per cent of the receipts.

Deliveries to refineries were down slightly, some 0.5 per cent less while exports increased 40.5 per cent to 5,154,475 barrels from 3,668,932 barrels. Total oil held by Canadian pipe line systems amounted to 12,641,069 barrels at the end of the month.

Total traffic of trunk lines amounted to 13,046,829 barrel miles while the average length of haul was 297.9 miles.

Employment and earnings were down in May with 1,513 employees earning \$791,550 as against 1,580 employees earning \$809,447 one year ago.

This is the fifth 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 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.

8506-502-51

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 .....	42,659	13,285,917	4,321,933	407,158	-	-	-	18,057,667
By trunk lines from other carriers and plants .....	-	322,683	164,392	-	-	-	-	487,075
Total net domestic receipts .....	42,659	13,608,600	4,486,325	407,158	-	-	-	18,544,742
Imports .....	-	-	-	-	132,054	4,889,752	-	5,021,806
Totals .....	42,659	13,608,600	4,486,325	407,158	132,054	4,889,752	-	23,566,548
L.P.G.'s:								
By gathering lines .....	-	352,827	-	-	-	-	-	352,827
From other carriers and processing plants by trunk lines ..	-	232,872	-	-	-	-	-	232,872
Total net domestic receipts .....	-	585,699	-	-	-	-	-	585,699
Imports .....	-	-	-	-	-	-	-	-
Totals .....	-	585,699	-	-	-	-	-	585,699
Products:								
From plants and refineries .....	-	-	-	-	2,187,832	1,214,715	5,933	3,408,480
Imports .....	-	-	-	-	-	-	13,124	13,124
Totals .....	-	-	-	-	2,187,832	1,214,715	19,057	3,421,604
Total net domestic receipts of crude oil and L.P.G.'s .....	42,659	14,194,299	4,486,325	407,158	-	-	-	19,130,441
Total net domestic receipts of products .....	-	-	-	-	2,187,832	1,214,715	5,933	3,408,480
Total net imports of crude oil, L.P.G.'s and products .....	-	-	-	-	132,054	4,889,752	13,124	5,034,930
Total net receipts, May, 1961 .....	42,659	14,194,299	4,486,325	407,158	2,319,886	6,104,467	19,057	27,573,851
Total net receipts, April, 1961 .....	-	12,457,910	4,210,859	363,216	2,714,739	8,776,792	17,531	28,535,147
Total net receipts, May, 1960 .....	-	11,663,407	4,367,280	381,051	1,951,369	7,380,813	17,304	25,761,224
<u>Net Deliveries</u>								
Crude oil:								
To refineries by gathering lines .....	29,186	597,297	-	-	-	-	-	626,483
by trunk lines .....	2,377,870	850,411	1,749,768	989,146	7,086,249	4,978,474	-	18,031,918
To other carriers by gathering lines .....	-	44,651	22,601	-	-	-	-	67,252
by trunk lines .....	-	299	-	-	-	-	-	299
Total net domestic deliveries .....	2,407,056	1,492,658	1,772,369	989,146	7,086,249	4,978,474	-	18,725,952
Exports .....	2,746,396	-	-	2,385,797	-	-	-	5,132,193
Totals .....	5,153,452	1,492,658	1,772,369	3,374,943	7,086,249	4,978,474	-	23,858,145
L.P.G.'s:								
To refineries by gathering lines .....	-	154,698	-	-	-	-	-	154,698
by trunk lines .....	-	71,678	-	-	40,033	-	-	111,711
To other carriers by gathering lines .....	-	-	-	-	-	-	-	-
by trunk lines .....	-	26,810	-	-	-	-	-	26,810
To bulk plants, terminals, etc. ....	-	31,273	-	-	-	-	-	31,273
Total net domestic deliveries .....	-	284,459	-	-	40,033	-	-	324,492
Exports .....	-	-	-	-	22,282	-	-	22,282
Totals .....	-	284,459	-	-	62,315	-	-	346,774
Products:								
To bulk plants, terminals, etc. ....	-	-	-	-	3,405,302	-	20,505	3,425,807
Total net domestic deliveries of crude oil and L.P.G.'s. ...	2,407,056	1,777,117	1,772,369	989,146	7,126,282	4,978,474	-	19,050,444
Total net domestic deliveries of products .....	-	-	-	-	3,405,302	-	20,505	3,425,807
Total net exports of crude oil, L.P.G.'s and products .....	2,746,396	-	-	2,385,797	22,282	-	-	5,154,475
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, April, 1961 .....	4,421,089	1,935,472	1,533,608	3,209,484	10,357,813	7,314,313	19,178	28,790,957
Total net deliveries, May, 1960 .....	4,151,514	2,126,608	1,773,551	2,696,937	9,541,722	5,918,227	12,501	26,221,060

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

	Crude oil	L.P.G.'s	Products	Total May 1961	April <sup>F</sup> 1961	May 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 .....	12,106,357	170,706	-	12,277,063	11,253,662	10,447,572	-	-	-
From other gathering systems .....	4,957,701(1)	-	-	4,957,701	4,388,306	4,255,971	2,900,578	-	546,728
From other carriers (truck and rail) .....	256,824	9,298	-	266,122	212,999	206,603	-	-	8,850
From refineries and processing plants .....	230,251	214,574	3,408,480	3,853,305	4,383,801	3,712,106	-	-	-
Imports .....	5,021,806	-	13,124	5,034,930	7,515,080	6,164,953	-	4,889,752	-
Total net receipts .....	22,572,939	394,578	3,421,604	26,389,121	27,753,848	24,787,205	2,900,578	4,889,752	555,578
Transfers from other trunk lines .....	17,231,622	2,309	-	17,233,931	15,415,380	14,839,124	9,641,056	-	4,574,672
Transfers from L.P.G.'s .....	177,814	-	-	177,814	155,495	-	-	-	-
Total gross receipts .....	39,982,375	396,887	3,421,604	43,800,866	43,324,723	39,626,329	12,541,634	4,889,752	5,130,250
<u>Disposition</u>									
Deliveries to refineries .....	18,031,918	111,711	-	18,143,629	19,664,981	18,232,422	8,083,431(4)	4,978,474	2,377,870
Exports .....	5,132,193	22,282	-	5,154,475	4,361,282	3,668,932	2,408,079(4)	-	2,746,396
To other carriers (truck and rail) .....	299	26,810	-	27,109	17,880	72,038	-	-	-
To bulk plants, terminals, etc. ....	-	31,273	3,425,807	3,457,080	4,043,473	3,260,755	-	-	-
Total net deliveries .....	23,164,410	192,076	3,425,807	26,782,293	28,087,616	25,234,147	10,491,510	4,978,474	5,124,266
Transfers to other trunk lines .....	16,718,364	112,036	-	16,830,400	15,111,049	14,392,182	1,950,791	-	-
Transfers to crude oil stream .....	-	177,814	-	177,814	155,495	-	-	-	-
Total gross deliveries .....	39,882,774	481,926	3,425,807	43,790,507	43,354,160	39,626,329	12,442,301	4,978,474	5,124,266
Pipeline fuel .....	26,674	-	-	26,674	23,265	-169,432(2)	19,580	-	1,132
Pipeline losses and unaccounted for .....	-96,323	1,384	-2,464	-97,403	85,245	..	-4,132	-94,025	3,374
Inventory changes and other changes .....	-67,001	-86,423	-1,739	-155,163	-195,767	..	-152,366	5,303	1,478
Deliveries to other carriers U.S.A.(3) .....	236,251	-	-	236,251	57,800	-	236,251	-	-
Total disposition .....	39,982,375	396,887	3,421,604	43,800,866	43,324,723	..	12,541,634	4,889,752	5,130,250
Crude oil deliveries to U.S.A. at Gretna,Man.				9,471,044(4)	8,809,602	8,019,216			
Crude oil received from U.S.A. at Sarnia,Ont.				6,956,404	6,128,906	6,171,103			

(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

F Revised figures.

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 .....	-	9,311,756	2,794,601	-	-	-	12,106,357
From other gathering systems .....	-	3,038,925	1,510,395	408,381	-	-	4,957,701(1)
From other carriers (truck and rail) .....	-	92,432	164,392	-	-	-	256,824
From refineries and processing plants .....	-	230,251	-	-	-	-	230,251
Imports .....	-	-	-	-	132,054	4,889,752	5,021,806
Total net receipts .....	-	12,673,364	4,469,388	408,381	132,054	4,889,752	22,572,939
Transfers from other trunk lines .....	-	11,230,933	1,809,556	4,191,133	-	-	17,231,622
Transfers from L.P.G.'s.....	-	177,814	-	-	-	-	177,814
Total gross receipts .....	-	24,082,111	6,278,944	4,599,524	132,054	4,889,752	39,982,375
<u>Disposition</u>							
Deliveries to refineries .....	2,377,870	850,411	1,749,768	989,146	7,086,249	4,978,474	18,031,918
Exports .....	2,746,396	-	-	2,385,797	-	-	5,132,193
To other carriers (truck and rail) .....	-	299	-	-	-	-	299
To bulk plants, terminals, etc. ....	-	-	-	-	-	-	-
Total net deliveries .....	5,124,266	850,710	1,749,768	3,374,943	7,086,249	4,978,474	23,164,410
Transfers to other trunk lines .....	-	10,744,753	1,782,267	4,191,344	-	-	16,718,364
Total gross deliveries .....	5,124,266	11,595,463	3,532,035	7,566,287	7,086,249	4,978,474	39,882,774
Pipeline fuel .....							26,674
Pipeline losses and unaccounted for .....							-96,323
Inventory changes .....							169,250
Total disposition .....				(provincial breakdown not available)			39,982,375
Crude oil deliveries to U.S.A. at Gretna, Man. ....							9,471,044(2)
Crude oil received from U.S.A. at Sarnia, Ont. ....							6,956,404

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

(2) Includes L.P.G.'s and Condensates  
Revised figures.



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

	Crude Oil Canada	L.P.G.'s Canada	Total May 1961	April 1961	May 1960
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems .....	17,879,531	352,376	18,231,907	16,312,409	15,401,261
By truck and rail .....	178,136	451	178,587	110,858	276,301
Total net receipts .....	18,057,667	352,827	18,410,494	16,423,267	15,677,562
Transfers from L.P.G.'s to crude oil stream .....	28,407	-	28,407	33,690	..
Transfers from other gathering systems .....	904,755	-	904,755	835,954	..
Total gross receipts .....	18,990,829	352,827	19,343,656	17,292,911	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines .....	12,706,495	170,706	12,877,201	11,253,662	10,447,572
To other trunk lines .....	4,715,039	-	4,715,039	4,674,641	4,255,971
To other carriers (truck and rail) .....	67,252	-	67,252	66,091	142,982
Refineries and processing plants .....	626,483	154,698	781,181	487,298	843,931
Total net deliveries .....	18,115,269	325,404	18,440,673	16,481,692	15,690,456
Transfers to other gathering systems .....	848,789	-	848,789	798,034	916,002
Transfers to crude oil stream .....	-	28,407	28,407	33,690	-
Total gross deliveries .....	18,964,058	353,811	19,317,869	17,313,416	16,606,458
Pipeline fuel .....	-	-	-	-	..
Pipeline losses and unaccounted for .....	8,055	-984	7,071	8,113	..
Inventory changes .....	18,716	-	18,716	-28,618	..
Total disposition .....	18,990,829	352,827	19,343,656	17,292,911	..

.. 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 .....	42,659	13,153,933	4,310,241	372,698	17,879,531
By truck and rail .....	-	131,984	11,692	34,460	178,136
Total net receipts .....	42,659	13,285,917	4,321,933	407,158	18,057,667
Transfers from L.P.G.'s to crude oil stream .....	-	28,407	-	-	28,407
Transfers from other gathering systems .....	-	55,966	848,789	-	904,755
Total gross receipts .....	42,659	13,370,290	5,170,722	407,158	18,990,829
<u>Disposition</u>					
Deliveries:					
To own trunk lines .....	-	9,311,556	3,394,939	-	12,706,495
To other trunk lines .....	-	3,396,601	910,057	408,381	4,715,039
To other carriers (truck and rail) .....	-	44,651	22,601	-	67,252
Refineries and processing plants .....	29,186	597,297	-	-	626,483
Total net deliveries .....	29,186	13,350,105	4,327,597	408,381	18,115,269
Transfers to other gathering systems .....	-	-	848,789	-	848,789
Total gross deliveries .....	29,186	13,350,105	5,176,386	408,381	18,964,058
Pipeline fuel .....	-	-	-	-	-
Pipeline losses and unaccounted for .....	-	-	-	-	8,055
Inventory changes .....	-	-	-	-	18,716
Total disposition .....	-	-	-	-	18,990,829

(provincial breakdown not available)

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

	Crude oil		L.P.G.'s		Products Trunk	Total May 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances .....	105,585	10,618,674	4,138	52,771	283,162	11,064,330
Carriers' balances .....	338,433	989,052	-	17,684	231,570	1,576,739
Total inventory .....	444,018	11,607,726	4,138	70,455	514,732	12,641,069
Oil held in lines .....	342,079	7,893,032	4,138	20,377	467,176	872,680
Oil held in tanks .....	101,939	3,714,694	-	50,078	47,556	3,914,267
Inventory change, .....	18,716	169,250	-	-24,108	-1,739	162,119

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

	Crude oil	L.P.G.'s	Products	All pipelines May, 1961	May <sup>†</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	584,364	10,496	-	594,860	506,144	-	-	-
Trunk lines ..... "	747,239	6,196	110,510	863,945	814,005	338,436	160,596	165,299
<u>Daily average of gross deliveries:</u>								
Gathering lines ..... "	611,744	11,413	-	623,157	535,692	-	-	-
Trunk lines ..... "	1,286,541	15,546	110,510	1,412,597	1,278,269	406,854	150,596	165,299
<u>Total barrel miles:</u>								
Trunk lines ..... 000's miles	12,394,171	55,028	597,630	13,046,829	10,457,388	6,616,864	351,260	3,421,199
<u>Average miles per barrel:</u>								
Trunk lines ..... miles	310.8	114.2	174.4	297.9	263.9	531.8	70.6	668.0
<u>Operating revenues, 1961:</u>								
Three months ended Mar. 31 .....	23,279,639	99,549	1,781,860	25,161,048	dollars 24,930,906	7,366,409	757,942	4,854,007
Six months " June 30 .....								
Nine months " Sept. 30 .....								
Twelve months " Dec. 31 .....								
<u>Employees and earnings:</u>								
Employees ..... No.	1,339	174	1,513	1,580		431	46	209
Salaries and wages ..... \$	699,576	91,974	791,550	809,447		230,428	24,640	118,227

† Revised figures.

## OIL PIPE LINE TRANSPORT

APRIL, 1961

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TABLE 1.

Reads:

Should read:

	Alberta	Ontario	Quebec	Canada	Alberta	Ontario	Quebec	Canada
<u>Net Deliveries</u>								
L.P.G.'s:								
To bulk plants, terminals, etc. ....	19,982				19,892			
Products:								
To bulk plants, terminals, etc. ....		-	3,907,721	3,926 899		4,004,403	-	4,023,581
Total net domestic deliveries of products .....		-	3,907,721	3,926,899		4,004,003	-	4,023,581
Total net domestic deliveries of crude oil and L.P.G.'s. .	1,935,562				1,935,472			
Total net deliveries April, 1961 .....	1,935,562	6,353,400	11,222,034	28,694,355	1,935,472	10,357,813	7,314,313	28,790,957

TABLE 2.

Reads:

Should read:

	Crude Oil	L.P.G.'s.	Products	Total April 1961	Crude Oil	L.P.G.'s.	Products	Total April 1961
<u>Disposition</u>								
Exports .....			95,285	4,456,567			-	4,361,282
To bulk plants, terminals, etc. ....		19,982	3,926,899	3,946,881		19,892	4,023,581	4,043,473
Total net deliveries .....		191,169	4,022,184	28,086,309		191,079	4,023,581	28,087,616
Total gross deliveries .....		448,293	4,022,184	43,352,853		448,203	4,023,581	43,354,160
Pipeline losses and unaccounted for .....			-3,178	88,503			-6,436	85,245
Inventory changes and other changes .....	-30,411			-137,967	-88,211			-195,767
Deliveries to other carriers U.S.A.(3) .....	-			-	57,800			57,800
Total disposition .....		351,952	4,008,343	43,326 674		351,862	4,006,482	43,324,723

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