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OIL PIPE LINE TRANSPORT

JULY, 1961

Canadian oil pipe lines received a total of 26,214,752 barrels of crude oil, liquefied petroleum gases and petroleum products during July, 1961. This was a 1.3 per cent decrease from the 26,513,409 barrels reported one year earlier but an increase of 1.6 per cent above the 25,790,857 barrels received in the previous month. The receipts were comprised of 18,981,428 barrels of crude oil and L.P.G.'s, 3,883,772 barrels of imported crude oil and products and 3,349,552 barrels of products.

Deliveries of petroleum and its products increased 0.6 per cent during the month to 25,832,107 barrels from 25,675,694 barrels in July, 1960. Included in the deliveries were 16,367,163 barrels of crude oil and L.P.G.'s, 6,092,423 barrels of crude oil, L.P.G.'s and products for export and 3,372,521 barrels of products.

Trunk line net receipts rose 8.6 per cent to 27,759,380 barrels from 25,571,879 barrels received in the same period in 1960. Own gathering systems accounted for 44.9 per cent of receipts with 26.4 per cent received from other gathering systems. Imports of 3,883,772 barrels were down 45.4 per cent from last year and accounted for 14.0 per cent of the receipts.

Although deliveries to refineries and plants declined from July 1960, an increase in exports (2,618,494 barrels) resulted in total deliveries being virtually unchanged. Total oil held by Canadian pipe line systems amounted to 12,891,512 barrels at the end of the month.

Total traffic of trunk lines increased 27.1 per cent to 12,054,546 barrel miles from 9,482,925 barrels in July, 1960, while the average length of haul was 291.9 miles.

Employment and earnings continued to decline during July with 1,530 employees earning \$824,419 as against 1,616 employees earning \$828,529 one year ago.

Net receipts (and deliveries) are the unduplicated totals of oil received (and delivered) by the Canadian oil pipeline systems. Intercompany movements of oil are tabulated separately as transfers. In addition condensates or L.P.G.'s which are "transferred to crude oil stream", that is comingled with oil, are entered separately. L.P.G.'s in this report are used to include condensates.

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

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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	49,583	13,217,814	4,279,883	394,515	-	-	-	17,941,795
By trunk lines from other carriers and plants	-	283,902	182,023	-	-	-	-	465,925
Total net domestic receipts	49,583	13,501,716	4,461,906	394,515	-	-	-	18,407,720
Imports	-	-	-	-	227,714	3,642,138	-	3,869,852
Totals	49,583	13,501,716	4,461,906	394,515	227,714	3,642,138	-	22,277,572
L.P.G.'s:								
By gathering lines	-	311,080	-	-	-	-	-	311,080
From other carriers and processing plants by trunk lines ..	-	238,762	-	575	23,291	-	-	262,628
Total net domestic receipts	-	549,842	-	575	23,291	-	-	573,708
Imports	-	-	-	-	-	-	-	-
Totals	-	549,842	-	575	23,291	-	-	573,708
Products:								
From plants and refineries	-	-	-	-	2,186,498	1,163,054	-	3,349,552
Imports	13,576	-	-	-	344	-	-	13,920
Totals	13,576	-	-	-	2,186,842	1,163,054	-	3,363,472
Total net domestic receipts of crude oil and L.P.G.'s	49,583	14,051,558	4,461,906	395,090	23,291	-	-	18,981,428
Total net domestic receipts of products	-	-	-	-	2,186,498	1,163,054	-	3,349,552
Total net imports of crude oil, L.P.G.'s and products	13,576	-	-	-	228,058	3,642,138	-	3,883,772
Total net receipts, July, 1961	63,159	14,051,558	4,461,906	395,090	2,437,847	4,805,192	-	26,214,752
Total net receipts, July, 1961 ^r	50,229	13,252,338	4,450,012	386,682	2,451,191	5,200,445	-	25,790,857
Total net receipts, July, 1960	23,833	10,669,129	4,714,917	390,416	2,177,647	8,537,467	-	26,513,409
<u>Net Deliveries</u>								
Crude oil:								
To refineries by gathering lines	21,021	82,753	-	-	-	-	-	103,774
by trunk lines	1,372,814	1,716,831	1,349,333	983,631	6,841,073	3,642,599	-	15,906,281
To other carriers by gathering lines	-	37,689	22,665	-	-	-	-	60,354
by trunk lines	-	-	-	-	-	-	-	-
Total net domestic deliveries	1,393,835	1,837,273	1,371,998	983,631	6,841,073	3,642,599	-	16,070,409
Exports	3,342,308	-	-	2,628,076	-	-	-	5,970,384
Totals	4,736,143	1,837,273	1,371,998	3,611,707	6,841,073	3,642,599	-	22,040,793
L.P.G.'s:								
To refineries by gathering lines	-	154,408	-	-	-	-	-	154,408
by trunk lines	-	73,449	-	575	24,585	-	-	98,609
To other carriers by gathering lines	-	-	-	-	-	-	-	-
by trunk lines	-	5,614	-	-	-	-	-	5,614
To bulk plants, terminals, etc.	-	38,123	-	-	-	-	-	38,123
Total net domestic deliveries	-	271,594	-	575	24,585	-	-	296,754
Exports	-	-	-	-	122,039	-	-	122,039
Totals	-	271,594	-	575	146,624	-	-	418,793
Products:								
To bulk plants, terminals, etc.	-	-	-	-	3,354,738	-	17,783	3,372,521
Total net domestic deliveries of crude oil and L.P.G.'s. ...	1,393,835	2,108,867	1,371,998	984,206	6,865,658	3,642,599	-	16,367,163
Total net domestic deliveries of products	-	-	-	-	3,354,738	-	17,783	3,372,521
Total net exports of crude oil, L.P.G.'s and products	3,342,308	-	-	2,628,076	122,039	-	-	6,092,423
Total net deliveries, July, 1961	4,736,143	2,108,867	1,371,998	3,612,272	10,342,435	3,642,599	17,783	25,832,107
Total net deliveries, July, 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, July, 1960	2,829,348	1,777,910	1,519,379	2,836,951	9,728,436	6,956,920	26,750	25,675,694

^r Revised figures.

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

	Crude oil	L.P.G.'s	Products	Total July 1961	June 1961	July 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	12,336,995	133,526	-	12,470,521	11,751,111	10,224,253	-	-	-
From other gathering systems	7,325,524 ⁽¹⁾	1,458	-	7,326,982	7,287,697	4,003,286	3,300,684	-	2,530,312
From other carriers (truck and rail)	267,263	10,264	-	277,527	266,733	191,578	-	-	3,806
From refineries and processing plants	198,662	252,364	3,349,552	3,800,578	3,937,998	4,043,085	-	-	-
Imports	3,869,852	-	13,920	3,883,772	4,181,780	7,109,677	-	3,642,138	-
Total net receipts	23,998,296	397,612	3,363,472	27,759,380	27,425,319	25,571,879	3,300,684	3,642,138	2,534,118
Transfers from other trunk lines	13,817,509	-	-	13,817,509	13,694,484	13,832,172	8,928,323	-	2,327,841
Transfers from L.P.G.'s	143,215	-	-	143,215	188,253	-	-	-	-
Total gross receipts	37,959,020	397,612	3,363,472	41,720,104	41,308,056	39,404,051	12,229,007	3,642,138	4,861,959
<u>Disposition</u>									
Deliveries to refineries	15,906,281	98,609	-	16,004,890	15,810,368	17,628,383	7,322,411	3,642,599	1,372,814
Exports	5,970,384	122,039	-	6,092,423	5,943,844	3,473,929	2,745,248 ⁽⁴⁾	-	3,342,308
To other carriers (truck and rail)	-	5,614	-	5,614	16,896	50,123	-	-	-
To bulk plants, terminals, etc.	724	38,123	3,372,521	3,411,368	3,487,992	3,688,985	-	-	-
Total net deliveries	21,877,389	264,385	3,372,521	25,514,295	25,259,100	24,841,420	10,067,659	3,642,599	4,715,122
Transfers to other trunk lines	15,531,854	106,056	-	15,637,910	15,546,469	13,880,200	2,038,414	-	-
Transfers to crude oil stream	-	143,215	-	143,215	188,253	-	-	-	-
Total gross deliveries	37,409,243	513,656	3,372,521	41,295,420	40,993,822	38,721,620	12,106,073	3,642,599	4,715,122
Pipeline fuel	21,944	-	-	21,944	23,366	184,606 ⁽²⁾	20,024	-	1,745
Pipeline losses and unaccounted for	220	18,263	2,110	20,593	-38,572	..	11,385	-12,665	-7,280
Inventory changes and other changes	333,168	-134,307	-11,159	187,702	154,241	..	-105,920	12,204	152,372
Deliveries to other carriers U.S.A.(3)	194,445	-	-	194,445	175,199	-	197,445	-	-
Total disposition	37,959,020	397,612	3,363,472	41,720,104	41,308,056	..	12,229,007 ⁽⁴⁾	3,642,138	4,861,959
Crude oil deliveries to U.S.A. at Gretna, Man.				9,654,411 ⁽⁴⁾	9,481,916 ⁽⁴⁾	8,207,616			
Crude oil received from U.S.A. at Sarnia, Ont.				6,662,176 ⁽⁴⁾	6,732,403	5,944,784			

(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.

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

.. 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	-	9,579,362	2,757,633	-	-	-	12,336,995
From other gathering systems	-	5,436,112	1,494,528	394,884	-	-	7,325,524(1)
From other carriers (truck and rail)	-	85,240	182,023	-	-	-	267,263
From refineries and processing plants	-	198,662	-	-	-	-	198,662
Imports	-	-	-	-	227,714	3,642,138	3,869,852
Total net receipts	-	15,299,376	4,434,184	394,884	227,714	3,642,138	23,998,296
Transfers from other trunk lines	-	8,032,596	1,699,941	4,084,972	-	-	13,817,509
Transfers from L.P.G.'s.....	-	143,215	-	-	-	-	143,215
Total gross receipts	-	23,475,187	6,134,125	4,479,856	227,714	3,642,138	37,959,020
<u>Disposition</u>							
Deliveries to refineries	1,372,814	1,716,831	1,349,333	983,631	6,841,073	3,642,599	15,906,281
Exports	3,342,308	-	-	2,628,076	-	-	5,970,384
To other carriers (truck and rail)	-	-	-	-	-	-	-
To bulk plants, terminals, etc.	-	724	-	-	-	-	724
Total net deliveries	4,715,122	1,717,555	1,349,333	3,611,707	6,841,073	3,642,599	21,877,389
Transfers to other trunk lines	-	9,599,627	1,846,920	4,085,307	-	-	15,531,854
Total gross deliveries	4,715,122	11,317,182	3,196,253	7,697,014	6,841,073	3,642,599	37,409,243
Pipeline fuel							21,944
Pipeline losses and unaccounted for							220
Inventory changes							527,613
Total disposition				(provincial breakdown not available)			37,959,020
Crude oil deliveries to U.S.A. at Gretna, Man.							9,654,411(2)
Crude oil received from U.S.A. at Sarnia, Ont.							6,662,176(2)

(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 July 1961	June 1961	July 1960
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	17,781,379	310,629	18,092,008	17,136,894	14,510,237
By truck and rail	160,416	451	160,867	267,492	258,832
Total net receipts	17,941,795	311,080	18,252,875	17,404,386	15,169,069
Transfers from L.P.G.'s to crude oil stream	22,454	-	22,454	17,865	..
Transfers from other gathering systems	913,182	-	913,182	899,863	..
Total gross receipts	18,877,431	311,080	19,188,511	18,322,114	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines	12,336,995	134,984	12,471,979	11,751,111	10,224,253
To other trunk lines	5,481,648	-	5,481,648	5,406,377	4,003,286
To other carriers (truck and rail)	60,354	-	60,354	61,042	136,513
Refineries and processing plants	103,774	154,408	258,182	239,888	802,969
Total net deliveries	17,982,771	289,392	18,272,163	17,458,418	15,167,021
Transfers to other gathering systems	863,565	-	863,565	852,241	966,824
Transfers to crude oil stream	-	22,454	22,454	17,865	-
Total gross deliveries	18,846,336	311,846	19,158,182	18,328,524	16,133,845
Pipeline fuel	-	-	-	-	..
Pipeline losses and unaccounted for	-22,219	-	-22,219	5,749	..
Inventory changes	53,314	-766	52,548	-12,159	..
Total disposition	18,877,431	311,080	19,188,511	18,322,114	..

.. 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	49,583	13,103,944	4,267,921	359,931	17,781,379
By truck and rail	-	113,870	11,962	34,584	160,416
Total net receipts	49,583	13,217,814	4,279,883	394,515	17,941,795
Transfers from L.P.G.'s to crude oil stream	-	22,454	-	-	22,454
Transfers from other gathering systems	-	49,617	863,565	-	913,182
Total gross receipts	49,583	13,289,885	5,143,448	394,515	18,877,431
<u>Disposition</u>					
Deliveries:					
To own trunk lines	-	9,579,362	2,757,633	-	12,336,995
To other trunk lines	-	3,592,236	1,494,528	394,884	5,481,648
To other carriers (truck and rail)	-	37,689	22,665	-	60,354
Refineries and processing plants	21,021	82,753	-	-	103,774
Total net deliveries	21,021	13,292,040	4,274,826	394,884	17,982,771
Transfers to other gathering systems	-	-	863,565	-	863,565
Total gross deliveries	21,021	13,292,040	-	394,884	18,846,336
Pipeline fuel					-
Pipeline losses and unaccounted for					-22,219
Inventory changes		(provincial breakdown not available)			53,314
Total disposition					18,877,431

(provincial breakdown not available)

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

	Crude oil		L.P.G.'s		Products Trunk	Total July 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances	185,896	11,038,721	4,138	251	322,214	11,551,220
Carriers' balances	307,323	968,415	612	63,942	-	1,340,292
Total inventory	493,219	12,007,136	4,750	64,193	322,214	12,891,512
Oil held in lines	356,803	7,850,851	4,611	20,377	301,008	8,533,650
Oil held in tanks	136,416	4,156,285	139	43,816	21,206	4,357,862
Inventory change, July, 1961	53,314	333,168	-766	-134,307	-7,240	-244,169

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

	Crude oil	L.P.G.'s	Products	All pipelines July, 1961	July ^r 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	580,090	9,335	-	589,425	489,259	-	-	-
Trunk lines "	705,722	8,528	108,791	823,041	801,336	392,002	117,503	152,101
<u>Daily average of gross deliveries:</u>								
Gathering lines "	607,946	10,060	-	618,006	520,447	-	-	-
Trunk lines "	1,206,750	16,569	108,791	1,332,110	1,249,085	390,518	117,503	152,101
<u>Total barrel miles:</u>								
Trunk lines 000's miles	11,346,262	117,862	590,422	12,054,546	9,482,925	6,555,626	257,020	2,155,610
<u>Average miles per barrel:</u>								
Trunk lines miles	303.3	229.5	175.1	291.9	244.9	539.0	70.6	669.0
<u>Operating revenues, 1961:</u>								
Three months ended Mar. 31	23,283,457	99,549	2,623,083	26,006,089	dollars 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								
<u>Employees and earnings:</u>								
Employees No.	1,368	162	1,530	1,616	451	46	215	
Salaries and wages \$	738,479	85,940	824,419	828,529	239,167	24,194	120,186	

^r Revised figures.

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