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OIL PIPE LINE TRANSPORT

APRIL, 1961

Canadian oil pipe lines received a total of 28,535,147 barrels of crude oil, liquified petroleum gases and petroleum products during April, 1961. This was an 11.5 per cent increase from April of last year when 24,806,800 barrels were received but a 1.3 per cent decrease from the previous month's receipts of 28,928,730 barrels. The receipts were comprised of 17,031,985 barrels of domestic crude oil and L.P.G.'s, 7,515,080 barrels of imported crude oil, L.P.G.'s and products and 3,988,082 barrels of products.

During the month the oil pipe line industry delivered 28,694,355 barrels of petroleum and its products (956,479 barrels per day), an increase of 12.3 per cent from last year's 25,547,797 barrels. The deliveries included 20,406,174 barrels of crude oil and L.P.G.'s, 4,361,282 barrels of crude oil, L.P.G.'s and products for export, and 3,926,899 barrels of products.

Trunk line receipts rose 15.2 per cent above last April. Own gathering systems accounted for 40.5 per cent of receipts with 15.8 per cent received from other gathering systems. Imports of 7,515,080 barrels were up 20.6 per cent from April, 1960 and accounted for 27.1 per cent of the receipts.

Deliveries to refineries were up 15.3 per cent, exports increased to 4,456,567 barrels or 25.0 per cent but deliveries to bulk plants and terminals decreased 5.6 per cent. Total oil held by Canadian pipe line systems amounted to 12,737,011 barrels at the end of the month, a decline of 2.3 per cent.

Total traffic of trunk lines amounted to 11,473,049 barrel miles while the average length of haul was 264.6 miles.

The total number of employees dropped to 1,492 from 1,505 in the previous year and salaries and wages declined to \$778,360 from \$786,827.

This is the fourth 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 accounted 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.

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

	Crude oil	L.P.G.'s	Products	Total April 1961	March 1961	April 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	11,103,720	149,942	-	11,253,662	10,909,915	9,512,273	-	-	-
From other gathering systems	4,388,306 ⁽¹⁾	-	-	4,388,306	4,013,339	3,587,203	2,629,359	-	410,152
From other carriers (truck and rail)	205,754	7,245	-	212,999	246,408	134,059	-	-	-
From refineries and processing plants	203,783	191,936	3,988,082	4,383,801	4,816,580	4,627,068	-	-	-
Imports	7,496,680	-	18,400	7,515,080	7,923,880	6,232,323	-	7,396,352	-
Total net receipts	23,398,243	349,123	4,006,482	27,753,848	27,910,122	24,092,926	2,629,359	7,396,352	410,152
Transfers from other trunk lines	15,412,641	2,739	-	15,415,380	15,676,818	13,360,746	8,718,788	-	3,969,637
Transfers from L.P.G.'s	155,495	-	-	155,495	175,971	-	-	-	-
Total gross receipts	38,966,379	351,862	4,006,482	43,324,723	43,762,911	37,453,672	11,348,147	7,396,352	4,379,789
<u>Disposition</u>									
Deliveries to refineries	19,607,676	57,305	-	19,664,981	19,122,392	17,051,607	7,098,668	-	2,381,210
Exports	4,265,038	96,244	95,285	4,456,567	4,640,674	3,565,557	2,323,403 ⁽⁴⁾	-	2,037,879
To other carriers (truck and rail)	242	17,638	-	17,880	24,636	55,413	-	-	-
To bulk plants, terminals, etc.	-	19,982	3,926,899	3,946,881	4,402,462	4,179,643	-	7,314,313	-
Total net deliveries	23,872,956	191,169	4,022,184	28,086,309	28,190,164	24,852,220	9,422,071	7,314,313	4,419,089
Transfers to other trunk lines	15,009,420	101,629	-	15,111,049	15,221,644	..	1,900,772	-	-
Transfers to crude oil stream	-	155,495	-	155,495	175,971	-	-	-	-
Total gross deliveries	38,882,376	448,293	4,022,184	43,352,853	43,587,779	37,932,357	11,322,843	7,314,313	4,419,089
Pipeline fuel	23,285	-	-	23,285	22,106	135,203 ⁽²⁾	22,329	-	595
Pipeline losses and unaccounted for	91,129	552	-3,178	88,503	-1,317	..	13,894	75,630	9,912
Inventory changes and other changes	-30,411	-96,893	-10,663	-137,967	154,343	..	-10,919	6,409	-49,807
Deliveries to other carriers U.S.A. ⁽³⁾	-	-	-	-	-	-	-	-	-
Total disposition	38,966,379	351,952	4,008,343	43,326,674	43,762,911	..	11,348,147	7,396,352	4,379,789
Crude oil deliveries to U.S.A. at Gretna, Man.				8,819,602 ⁽⁴⁾	8,372,051	7,187,116			
Crude oil received from U.S.A. at Sarnia, Ont.				2,037,879	1,706,138	5,583,705			

(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) Includes 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	-	8,411,976	2,691,744	-	-	-	11,103,720
From other gathering systems	-	2,673,900	1,348,795	365,611	-	-	4,388,306 (1)
From other carriers (truck and rail)	-	60,623	145,131	-	-	-	205,754
From refineries and processing plants	-	203,783	-	-	-	-	203,783
Imports	-	-	-	-	100,328	7,396,352	7,496,680
Total net receipts	-	11,350,282	4,185,670	365,611	100,328	7,396,352	23,398,243
Transfers from other trunk lines	-	9,943,840	1,595,879	3,872,922	-	-	15,412,641
Transfers from L.P.G.'s	-	155,495	-	-	-	-	155,495
Total gross receipts	-	21,459,617	4,651,881	1,348,689	100,328	7,396,352	38,966,379
<u>Disposition</u>							
Deliveries to refineries	2,381,210	1,160,926	1,511,746	982,325	6,257,156	7,314,313	19,607,676
Exports	2,037,879	-	-	2,227,159	-	-	4,265,038
To other carriers (truck and rail)	-	242	-	-	-	-	242
To bulk plants, terminals, etc.	-	-	-	-	-	-	-
Total net deliveries	4,419,089	1,161,168	1,511,746	3,209,484	6,257,156	7,314,313	23,872,956
Transfers to other trunk lines	-	9,540,478	1,595,879	3,873,063	-	-	15,009,420
Total gross deliveries	4,419,089	10,701,646	3,107,625	7,082,547	6,257,156	7,314,313	38,882,376
Pipeline fuel							23,285
Pipeline losses and unaccounted for							91,129
Inventory changes							-30,411
Total disposition				(provincial breakdown not available)			38,966,379
Crude oil deliveries to U.S.A. at Gretna, Man.							8,819,602 (2)
Crude oil received from U.S.A. at Sarnia, Ont.							2,037,879

(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.

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

	Crude Oil Canada	L.P.G.'s Canada	Total April 1961	March 1961	April 1960
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	15,985,755	326,654	16,312,409	15,703,682	13,625,955
By truck and rail	110,451	407	110,858	238,180	187,394
Total net receipts	16,096,206	327,061	16,423,267	15,941,862	13,813,349
Transfers from L.P.G.'s to crude oil stream	33,690	-	33,690	31,449	..
Transfers from other gathering systems	835,954	-	835,954	876,155	..
Total gross receipts	16,965,850	327,061	17,292,911	16,849,466	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines	11,103,720	149,942	11,253,662	10,798,230	9,512,273
To other trunk lines	4,674,641	-	4,674,641	4,410,604	3,587,203
To other carriers (truck and rail)	66,091	-	66,091	64,823	136,129
Refineries and processing plants	342,658	144,640	487,298	704,518	559,448
Total net deliveries	16,187,110	294,582	16,481,692	15,978,175	13,795,053
Transfers to other gathering systems	798,034	-	798,034	835,266	856,638
Transfers to crude oil stream	-	33,690	33,690	31,449	-
Total gross deliveries	16,985,144	328,272	17,313,416	16,844,890	14,651,691
Pipeline fuel	-	-	-	-	..
Pipeline losses and unaccounted for	9,324	-1,211	8,113	9,852	..
Inventory changes	-28,618	-	-28,618	-5,276	..
Total disposition	16,965,850	327,061	17,292,911	16,849,466	..
.. Figures not available.					

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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	-	11,569,563	4,056,815	359,377	15,985,755
By truck and rail	-	97,699	8,913	3,839	110,451
Total net receipts	-	11,667,262	4,065,728	363,216	16,096,206
Transfers from L.P.G.'s to crude oil stream	-	33,690	-	-	33,690
Transfers from other gathering systems	-	37,920	798,034	-	835,954
Total gross receipts	-	11,738,872	4,863,762	363,216	16,965,850
<u>Disposition</u>					
Deliveries:					
To own trunk lines	-	8,411,976	2,691,744	-	11,103,720
To other trunk lines	-	2,960,235	1,348,795	365,611	4,674,641
To other carriers (truck and rail)	-	44,229	21,862	-	66,091
Refineries and processing plants	2,000	340,658	-	-	342,658
Total net deliveries	2,000	11,757,098	4,062,401	365,611	16,187,110
Transfers to other gathering systems	-	-	798,034	-	798,034
Total gross deliveries	2,000	11,757,098	8,722,836	365,611	16,985,144
Pipeline fuel	-	-	-	-	-
Pipeline losses and unaccounted for	-	-	-	-	9,324
Inventory changes	-	-	(provincial breakdown not available)		-28,618
Total disposition	-	-	-	-	16,965,850

(provincial breakdown not available)

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

	Crude oil		L.P.G.'s		Products Trunk	Total April 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances	83,430	10,394,849	473	76,879	410,907	10,966,538
Carriers' balances	346,241	1,182,429	-	141,469	100,334	1,770,473
Total inventory	429,671	11,577,278	473	218,348	511,241	12,737,011
Oil held in lines	344,724	7,884,847	473	128,754	391,903	8,750,701
Oil held in tanks	84,947	3,692,431	-	89,594	119,338	3,986,310
Inventory change,	-30,109	-30,383	-	-731	-10,663	-71,886

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

		Crude oil	L.P.G.'s	Products	All pipelines April, 1961	April ^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	539,570	9,819	-	549,389	408,197	-	-	-
Trunk lines	"	795,765	6,372	134,073	936,210	828,407	314,569	243,810	147,303
<u>Daily average of gross deliveries:</u>									
Gathering lines	"	566,171	10,942	-	577,113	422,827	-	-	-
Trunk lines	"	1,296,079	14,943	134,073	1,445,095	1,264,411	380,549	243,810	147,303
<u>Total barrel miles:</u>									
Trunk lines	000's miles	10,688,859	81,411	702,779	11,473,049	9,634,817	5,970,726	516,060	2,981,978
<u>Average miles per barrel:</u>									
Trunk lines	miles	274.9	18.2	1.6	264.6	254.0	527.3	70.5	675.0
<u>Operating revenues, 1961:</u>						dollars			
Three months ended Mar. 31		23,279,639	99,549	1,781,860	25,161,048	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.	1,328	164	1,492	1,505	421	48	209	
Salaries and wages	\$	689,317	89,043	778,360	786,827	229,681	23,753	120,408	

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