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OIL PIPE LINE TRANSPORT

JANUARY, 1961

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Canadian oil pipe lines received a total of 30,800,000 barrels of crude oil, liquefied petroleum gases and petroleum products during January, 1961. This was a 2.5 per cent decrease from January of last year when 31,600,000 barrels were received but was an increase of 7.3 per cent from the December receipts of 28,700,000 barrels. The receipts were comprised of 17,600,000 barrels of domestic crude oil and L.P.G.'s, 8,100,000 barrels of imported crude oil and 5,100,000 barrels of products.

During the month the oil pipe line industry delivered 31,200,000 barrels of petroleum and its products (1,006,452 barrels per day), a decrease of 0.6 per cent from last year's 31,400,000 barrels but an increase of 12.2 per cent from December. The deliveries included 21,700,000 barrels of crude oil and L.P.G.'s to refineries, 4,300,000 barrels of crude oil and L.P.G.'s for export and 5,200,000 barrels of products.

Trunk line receipts dropped 3.0 per cent from last January. Own gathering systems accounted for 37.9 per cent of the receipts with 15.5 per cent received from other gathering systems. Imports of 8,100,000 barrels were down 4.7 per cent from last January and accounted for 27.2 per cent of the receipts.

Although deliveries to refineries and plants declined from last year, an increase in exports (700,000 barrels) resulted in total deliveries being virtually unchanged. In order to deliver more oil than was received, trunk lines drew down inventories by 450,000 barrels. Total oil held by Canadian pipe line systems amounted to 11,900,000 barrels at the end of the month.

Total traffic of pipe lines amounted to 12,259 million barrel miles, a slight increase from last year; as a result the average haul was 265.8 miles.

Although the total number of employees declined from the same period one year earlier, the total wages paid increased to \$780,145 from \$763,321 and resulted in an increase in total salaries and wages for the industry.

This is the first Oil Pipe Line Transport report following the use of new reporting forms for the responding companies. The companies were asked to report all receipts and deliveries of oil and to account for all oil handled. This information was tabulated, removing all duplications due to transferring of oil from one pipe line company to another. Totals are therefore total unduplicated receipts or deliveries. Due to variation in company reporting and 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. There is some additional oil used as fuel, also oil lost and unaccounted for which have been separated and 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.

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TABLE 1. Summary of Net Receipts and Net Deliveries, by Province

	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	Quebec	Yukon	Canada
	barrels							
<u>Receipts</u>								
Crude oil and L.P.G.'s	23,400	12,995,565	4,192,038	392,158	-	-	-	17,603,161
Imported crude oil	-	-	-	-	169,306	7,896,267	-	8,065,573
Total crude oil and L.P.G.'s	23,400	12,995,565	4,192,038	392,158	169,306	7,896,267	-	25,668,734
Products	-	-	-	-	3,469,146	1,633,992	24,277	5,127,415
Total net receipts	23,400	12,995,565	4,192,038	392,158	3,638,452	9,530,259	24,277	30,796,149
Total net receipts, December 1960	14,896	11,776,012	4,160,685	422,686	3,171,233	9,096,943	25,039	28,667,494
Total net receipts, January 1960	-	13,526,742	3,945,072	393,710	3,812,758	9,862,019	27,087	31,567,388
<u>Deliveries</u>								
Crude oil and L.P.G.'s	2,272,705	1,929,485	1,824,851	1,034,861	6,793,076	7,879,814	-	21,734,792
Products	-	-	-	-	5,131,871	-	29,009	5,160,880
Total domestic net deliveries	2,272,705	1,929,485	1,824,851	1,034,861	11,924,947	7,879,814	29,009	26,895,672
Exports.....	1,855,057	-	-	2,472,819	-	-	-	4,327,876
Total net deliveries	4,127,762	1,929,485	1,824,851	3,507,670	11,924,947	7,879,814	29,009	31,223,548
Total net deliveries, December 1960	2,966,940	1,782,627	1,833,982	972,837	12,727,246	7,562,284	24,488	27,870,404
Total net deliveries, January 1960	4,022,789	2,046,201	1,818,822	1,054,748	14,110,507	8,305,668	30,353	31,389,088

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TABLE 2. Trunk Line Operations, Receipts and Disposition of Crude Oil, Liquefied Petroleum Gases and Petroleum Products

	Crude oil	L.P.G.'S (Alberta)	Products	Total January 1961	December 1960	January 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	11,259,878	28,575	-	11,288,453	10,925,707	11,247,861	-	-	-
From other gathering systems	4,605,997(1)	-	-	4,605,997(1)	3,772,620	5,000,365	2,687,923	-	485,124
From other carriers (truck and rail)	201,999	7,798	-	209,797	204,535	196,381	-	-	-
From plants and refineries	232,882	270,016	5,081,305	5,584,203	5,065,219	5,730,442	-	-	-
Imports from the United States	8,065,573	-	46,110	8,111,683	7,700,023	8,534,817	-	7,896,267	-
Total net receipts	24,366,329	306,389	5,127,415	29,800,133	27,668,104	30,709,866	2,687,923	7,896,267	485,124
Transfers from other trunk lines	15,895,465	-	-	15,895,465	14,462,192	14,918,679	9,240,639	-	3,768,565
Transfers from L.P.G.'s	21,265	-	-	-	-	-	-	-	-
Total gross receipts	40,283,059	306,389	5,127,415	46,695,598	42,130,296	45,628,545	11,928,562	7,896,267	4,253,689
<u>Disposition</u>									
Deliveries to refineries	20,827,202	80,383	-	20,907,585	18,951,053	21,618,627	7,673,682	-	2,252,208
Exports to the United States	4,327,876	-	-	4,327,876	3,364,288	3,572,360	2,472,819	-	1,855,057
To other carriers (truck and rail)	-	40,210	-	40,210	42,427	61,964	-	-	-
To bulk plants, terminals, etc.	-	35,374	5,160,880	5,196,254	4,697,363	5,242,770	-	7,879,814	-
Total net deliveries	25,155,078	155,967	5,160,880	30,471,925	27,055,131	30,495,721	10,146,501	7,879,814	4,107,265
Transfers to other trunk lines	15,536,833	115,042	-	15,651,875	..	..	2,212,526	-	-
Transfers to crude oil stream	-	21,265	-	-	-	-	-	-	-
Total gross deliveries	40,691,911	292,274	5,160,880	46,123,800	41,673,199	45,377,482	12,359,027	7,879,814	4,107,265
Pipeline fuel	23,258	-1,547	-	21,711	..	..	21,843	-	1,092
Pipeline losses and unaccounted for	21,472	3,520	-2,635	22,357	63,195(2)	58,200(2)	3,721	9,512	5,583
Inventory changes and other changes	-453,582	12,142	-30,830	-472,270	..	..	-456,029	6,941	139,749
Deliveries to other carriers U.S.A. (3)	-	-	-	-	-	-	-	-	-
Total disposition	40,283,059	306,389	5,127,415	45,695,598	..	..	11,928,562	7,896,267	4,253,689
Crude oil deliveries to U.S. at Gretna, Man.				8,798,783	8,111,034	8,715,785			
Crude received from U.S. at Sarnia, Ont.				6,640,399	5,667,357	6,705,756			

(1) Does not agree with deliveries to other trunk lines due to slight differences between company reports, Table 5.

(2) Gathering and trunk.

(3) For re-entry into Canada.

.. Figures not available.

TABLE 3. Trunk Line Operations, Receipts and Disposition of Crude Oil, by Province

	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	Quebec	Canada
	barrels						
<u>Receipts</u>							
Receipts:							
From own gathering system	-	8,677,167	2,582,711	-	-	-	11,259,878
From other gathering systems	-	2,781,964	1,432,950	391,083	-	-	4,605,997(1)
From other carriers (truck and rail)	-	56,419	145,580	-	-	-	201,999
From plants and refineries	-	232,882	-	-	-	-	232,882
Imports from the United States	-	-	-	-	169,306	7,896,267	8,065,573
Total net receipts	-	11,748,432	4,161,241	391,083	169,306	7,896,267	24,366,329
Transfers from other trunk lines	-	10,226,807	1,788,169	3,880,489	-	-	15,895,465
Transfers from L.P.G.'s	-	21,265	-	-	-	-	21,265
Total gross receipts	-	21,996,504	5,949,410	4,271,572	169,306	7,896,267	40,283,059
<u>Disposition</u>							
Deliveries to refineries	2,252,208	1,065,118	1,802,125	1,034,861	6,793,076	7,879,814	20,827,202
Exports to the United States	1,855,057	-	-	2,472,819	-	-	4,327,876
To other carriers (truck and rail)	-	-	-	-	-	-	-
To bulk plants, terminals, etc.	-	-	-	-	-	-	-
Total net deliveries	4,107,265	1,065,118	1,802,125	3,507,680	6,793,076	7,879,814	25,155,078
Transfers to other trunk lines	-	9,857,475	1,791,101	3,888,257	-	-	15,536,833
Total gross deliveries	4,107,265	10,922,593	3,593,226	7,395,937	6,793,076	7,879,814	40,691,911
Total disposition							40,283,059
Crude deliveries to U. S. at Gretna, Man.	-	-	-	-	8,798,783	-	8,798,783
Crude received from U.S. at Sarnia, Ont.	-	-	-	-	6,640,399	-	6,640,399

(1) Does not agree with deliveries to other trunk lines due to slight differences between company reports, Table 5.

TABLE 4. Gathering Line Operations, Receipts and Disposition of Crude Oil, by Province

	Crude oil				
	British Columbia	Alberta	Saskatchewan	Manitoba	Canada
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	23,400	12,063,325	4,035,638	364,918	16,487,281
By truck and rail	-	156,624	10,820	27,240	194,684
Total net receipts	23,400	12,219,949	4,046,458	392,158	16,681,965
Transfers from L.P.G.'s to crude oil stream	-	36,653	-	-	36,653
Transfers from other gathering systems	-	49,783	714,484	-	764,267
Total gross receipts	23,400	12,306,385	4,760,942	392,158	17,482,885
<u>Disposition</u>					
Deliveries:					
To own trunk lines	-	8,677,167	2,582,711	-	11,259,878
To other trunk lines	-	2,991,422	1,432,950	391,083	4,815,455
To other carriers (truck and rail)	-	39,773	22,726	-	62,499
Refineries and plants	20,497	525,354	-	-	545,851
Total net deliveries	20,497	12,233,716	4,038,387	391,083	16,683,683
Transfers to other gathering systems	-	44,081	714,484	-	758,565
Total gross deliveries	20,497	12,277,797	4,752,871	391,083	17,442,248
Pipeline fuel					-
Pipeline losses and unaccounted for			(provincial breakdown not available)		26,389
Inventory changes					14,248
Total disposition					17,482,885

TABLE 5. Gathering Line Operations, Receipts and Disposition of Crude Oil and Liquefied Petroleum Gases

	Crude Oil Canada	L.P.G.'s Canada (Alberta)	Total January 1961	December 1960	January 1960
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	16,487,281	194,012	16,681,293	15,484,042	16,805,264
By truck and rail	194,684	14,489	209,173	212,651	300,484
Total net receipts	16,681,965	208,501	16,890,466	15,696,693	17,105,748
Transfers from L.P.G.'s to crude oil stream	36,653	-	-	..	..
Transfers from other gathering systems	764,267	-	764,267	..	..
Total gross receipts	17,482,885	208,501	17,654,733	..	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines	11,259,878	28,575	11,288,453	11,210,726	11,258,122
To other trunk lines	4,815,455	-	4,815,455	3,772,620	5,000,365
To other carriers (truck and rail)	62,499	-	62,499	63,776	103,601
Refineries and plants	545,851	143,273	689,124	751,497	789,766
Total net deliveries	16,683,683	171,848	16,855,531	15,798,619	17,151,854
Transfers to other gathering systems	758,565	-	758,565	892,876	774,810
Transfers to crude oil stream	-	36,653	-	-	-
Total gross deliveries	17,442,248	208,501	17,614,096	16,691,495	17,926,664
Pipeline fuel .....	-	-	-	..	..
Pipeline losses and unaccounted for	26,389	-	26,389	..	..
Inventory changes	14,248	-	14,248	..	..
Total disposition	17,482,885	208,501	17,654,733	..	..

.. Figures not available.

TABLE 6. Inventories of Oil Pipe Lines (end of month)

	Crude oil		L.P.G.'s		Products Trunk	Total January 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances	204,355	9,854,214	4,138	219,512	525,384	10,807,603
Carriers' balances	200,707	913,005	473	2,474	-	1,116,659
Total inventory	405,062	10,767,219	4,611	221,986	525,384	11,924,262
Oil held in lines	255,267	7,461,053	4,611	133,110	469,858	8,323,899
Oil held in tanks	149,795	3,306,166	-	88,876	55,526	3,600,363
Inventory, change, January 1961	14,248	-142,295	-	12,142	-30,830	-146,735

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

	Crude oil	L.P.G.'s	Products	All pipe lines January, 1961	January 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	538,183	5,543	-	543,726	28,818	-	-	
Trunk lines	"	811,454	5,031	166,480	982,965	976,009	247,538	254,188	132,492
<u>Daily average of gross deliveries:</u>									
Gathering lines	"	562,653	6,726	-	568,197	578,279	-	-	-
Trunk lines	"	1,312,642	9,428	166,480	1,487,864	1,456,808	398,678	254,188	132,492
<u>Total barrel miles:</u>									
Trunk lines	000's miles	11,409,990	9,106	840,217	12,259,313	11,806,000	6,183,744	555,950	2,760,080
<u>Average miles per barrel:</u>									
Trunk lines	miles	280.4	31.2	162.8	265.8	261.2	500.0	70.5	672.0
<u>Operating revenues, 1961:</u>									
dollars									
Three months ended Mar. 31									
Six months " June 30									
Nine months " Sept. 30									
Twelve months " Dec. 31									
	Crude oil and L.P.G.'s	Products	Total all pipelines January, 1961	January 1960	Interprovincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans- Mountain Oil Pipe Line Co		
<u>Employees and earnings:</u>									
Employees	No.	1,311	175	1,486	1,515	419	48	212	
Salaries and wages	\$	686,154	93,991	780,145	763,231	216,078	24,767	122,839	

.. Figures not available.



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