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OIL PIPE LINE TRANSPORT

DECEMBER, 1961

During the year ended December 31, 1961, total net deliveries of oil through Canadian pipe lines rose 11.8 per cent to 353,447,122 barrels from 316,002,132 barrels in the preceding year. The daily average delivery increased to 968,348 from 863,394. Exports via pipe line totalled 67,391,028 barrels, up 62.9 per cent from 41,371,872 barrels in 1960. Deliveries to refineries increased 3.8 per cent to 232,906,958 barrels from 224,225,307 barrels.

Operating revenues for the last quarter of 1961 amounted to \$28,115,975 as compared with the \$22,082,547 reported for the comparable period in 1960. The year's total also was up, increasing 16.0 per cent to \$107,876,372 from \$93,002,123.

Although the number of employees decreased to 1,444, the lowest monthly employment this year, salaries and wages at \$842,720 were the highest recorded during 1961.

Net deliveries of crude petroleum and its products during the month under review increased 25.0 per cent to 34,828,420 barrels from 27,870,404 barrels one year earlier. The month's deliveries were composed of 22,808,597 barrels of crude oil and L.P.G.'s to refineries, 4,977,628 barrels of products and 7,042,195 barrels of crude oil, L.P.G.'s and products for export.

Total traffic of trunk lines amounted to 14,068,979 barrel miles while the average length of haul was 268.2 miles.

Net receipts during December, 1961 of 35,170,534 barrels showed a 22.7 per cent increase from the previous year's total of 28,667,494 barrels. The receipts included 21,836,826 barrels of domestic crude oil and L.P.G.'s, 8,232,679 barrels of imported crude oil and 5,101,029 barrels of products.

Total oil held by Canadian pipe line systems amounted to 13,405,810 barrels at the end of December, 1961.

Since the beginning of the year, one additional pipe line has commenced reporting. This is the Rimbey Pipe Line Company Ltd., carrying crude condensates from its own gas plant at Rimbey, Alberta to Edmonton, Alberta. In addition Western Pacific Products and Crude Oil Pipelines Ltd. started operation by taking line fill, but did not make any deliveries.

Prepared in the Public Utilities Section
Public Finance and Transportation Division

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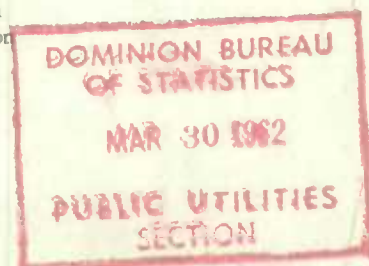


TABLE 1. Summary of Net Receipts and Net Deliveries of Gathering and Trunk Oil Pipe Lines, by Province

	British Columbia	Alberta	Saskat- chewan	Manitoba	Ontario	Quebec	Yukon	Canada
	barrels							
<u>Net Receipts</u>								
Crude oil:								
By gathering lines	199,893	14,559,977	4,907,721	361,507	-	-	-	20,029,098
By trunk lines from other carriers and plants	-	329,886	209,862	-	152,752	-	-	692,500
Total net domestic receipts	199,893	14,889,863	5,117,583	361,507	152,752	-	-	20,721,598
Imports	-	-	-	-	-	8,232,679	-	8,232,679
Totals	199,893	14,889,863	5,117,583	361,507	152,752	8,232,679	-	28,954,277
L.P.G.'s:								
By gathering lines	-	341,642	-	-	-	-	-	341,642
From other carriers and processing plants by trunk lines ..	-	768,544	5,042	-	-	-	-	773,586
Total net domestic receipts	-	1,110,186	5,042	-	-	-	-	1,115,228
Imports	-	-	-	-	-	-	-	-
Totals	-	1,110,186	5,042	-	-	-	-	1,115,228
Products:								
From plants and refineries	-	116,795	-	-	3,609,573	1,374,661	-	5,101,029
Imports	-	-	-	-	-	-	-	-
Totals	-	116,795	-	-	3,609,573	1,374,661	-	5,101,029
Total net domestic receipts of crude oil and L.P.G.'s	199,893	16,000,049	5,122,625	361,507	152,752	-	-	21,836,826
Total net domestic receipts of products	-	116,795	-	-	3,609,573	1,374,661	-	5,101,029
Total net imports of crude oil, L.P.G.'s and products	-	-	-	-	-	8,232,679	-	8,232,679
Total net receipts, December, 1961	199,893	16,116,844	5,122,625	361,507	3,762,325	9,607,340	-	35,170,534
Total net receipts, November, 1961	164,629	14,443,679	4,908,598	341,033	3,134,987	9,065,685	4,844	32,063,455
Total net receipts, December, 1960	14,896	11,776,012	4,160,685	422,656	3,171,233	9,096,943	25,039	28,667,464
<u>Net Deliveries</u>								
Crude oil:								
To refineries by gathering lines	10,874	718,879	-	-	-	-	-	729,753
by trunk lines	2,273,925	1,198,453	1,518,718	1,141,956	7,124,892	8,214,194	-	21,472,138
To other carriers by gathering lines	-	37,155	23,044	-	-	-	-	60,199
by trunk lines	-	5,135	-	-	-	-	-	5,135
Total net domestic deliveries	2,284,799	1,959,622	1,541,762	1,141,956	7,124,892	8,214,194	-	22,267,225
Exports	3,478,846	-	-	3,325,578	152,752	-	-	6,957,176
Totals	5,763,645	1,959,622	1,541,762	4,467,534	7,277,644	8,214,194	-	29,224,401
L.P.G.'s:								
To refineries by gathering lines	-	167,558	-	-	-	-	-	167,558
by trunk lines	-	181,443	-	5,042	22,193	-	-	208,678
To other carriers by gathering lines	-	-	-	-	-	-	-	-
by trunk lines	-	18,415	-	-	-	-	-	18,415
To bulk plants, terminals, etc.	-	146,721	-	-	-	-	-	146,721
Total net domestic deliveries	-	514,137	-	5,042	22,193	-	-	541,372
Exports	-	-	-	85,019	-	-	-	85,019
Totals	-	514,137	-	96,061	22,193	-	-	626,391
Products:								
To bulk plants, terminals, etc.	-	-	-	-	4,977,628	-	-	4,977,628
Total net domestic deliveries of crude oil and L.P.G.'s. ...	2,284,799	2,473,759	1,541,762	1,146,998	7,147,085	8,214,194	-	22,808,597
Total net domestic deliveries of products	-	-	-	-	4,977,628	-	-	4,977,628
Total net exports of crude oil, L.P.G.'s and products	3,478,846	-	-	3,410,597	152,752	-	-	7,042,195
Total net deliveries, December, 1961	5,763,645	2,473,759	1,541,762	4,557,595	12,277,465	8,214,194	-	34,828,420
Total net deliveries, November, 1961	5,659,294	1,796,993	1,160,114	3,758,395	11,746,404	7,584,546	35,375	31,741,121
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

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

	Crude oil	L.P.G.'s	Products	Total December 1961	November 1961	December ^F 1960	Inter- provincial Pipe Line Company(4)	Montreal Pipe Line Company Limited	Trans- Mountain Oil Pipe Line Company (4)
barrels									
<u>Receipts</u>									
Receipts:									
From own gathering system	13,697,154	130,094	-	13,827,248	13,071,840	10,210,726	-	-	-
From other gathering systems	5,630,692	-	-	5,630,692(1)	5,441,873	3,736,651	2,974,647	-	675,800
From other carriers (truck and rail)	330,588	17,697	-	348,285	340,463	204,535	-	-	15,705
From refineries and processing plants	361,912	755,889	5,101,029	6,218,830	5,133,774	4,780,200	-	-	-
Imports	8,232,679	-	-	8,232,679	7,592,301	7,701,017	-	8,232,679	-
Total net receipts	28,253,025	903,680	5,101,029	34,257,734	31,580,251	27,632,135	2,974,647	8,232,679	691,505
Transfers from other trunk lines	18,039,392	390,008	-	18,429,400	17,491,512	14,498,161	10,490,750	-	5,216,008
Transfers from L.P.G.'s	185,435	-	-	185,435	262,253	-	-	-	-
Total gross receipts	46,477,852	1,293,688	5,101,029	52,872,569	49,334,016	42,130,296	13,465,397	8,232,679	5,907,513
<u>Disposition</u>									
Deliveries to refineries	21,472,138	208,678	-	21,680,816	19,972,290	18,951,053	8,030,924	8,214,194	2,273,925
Exports	6,957,176	85,019	-	7,042,195	6,712,309	3,364,288	3,410,597	-	3,478,846
To other carriers (truck and rail)	5,135	18,415	-	23,550	22,125	42,427	-	-	-
To bulk plants, terminals, etc.	-	146,721	4,977,628	5,124,349	4,524,933	4,697,363	-	-	-
Total net deliveries	28,434,449	458,833	4,977,628	33,870,910	31,231,657	27,055,131	11,441,521	8,214,194	5,752,771
Transfers to other trunk lines	17,913,634	477,920	-	18,391,554	17,435,129	..	2,098,080	-	-
Transfers to crude oil stream	-	185,435	-	185,435	262,253	-	-	-	-
Total gross deliveries	46,348,083	1,122,188	4,977,628	52,447,899	48,929,039	41,673,199	13,539,601	8,214,194	5,752,771
Pipeline fuel	30,795	-	-	30,795	29,875	63,195(2)	27,513	-	3,058
Pipeline losses and unaccounted for	67,445	-2,367	-49	65,029	34,521	..	2,960	1,728	8,985
Inventory changes and other changes	31,529	173,867	123,450	328,846	191,403	-	-104,677	16,757	142,699
Deliveries to other carriers U.S.A.(3)	-	-	-	-	149,178	-	-	-	-
Total disposition	46,477,852	1,293,688	5,101,029	52,872,569	49,334,016	..	13,465,397	8,232,679	5,907,513
Crude oil deliveries to U.S.A. at Grtna,Man.				10,416,895(4)	10,509,672	8,111,034			
Crude oil received from U.S.A. at Sarnia,Ont.				7,164,092(4)	7,250,106	5,667,357			

(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) Includes 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	-	10,706,340	2,990,814	-	-	-	13,697,154
From other gathering systems	190,460	3,170,571	1,906,580	363,081	-	-	5,630,692(1)
From other carriers (truck and rail)	-	120,726	209,862	-	-	-	330,588
From refineries and processing plants	-	209,160	-	-	152,752	-	361,912
Imports	-	-	-	-	-	8,232,679	8,232,679
Total net receipts	190,460	14,206,797	5,107,256	363,081	152,752	8,232,679	28,253,025
Transfers from other trunk lines	-	11,380,523	1,734,287	4,924,582	-	-	18,039,392
Transfers from L.P.G.'s.....	-	185,435	-	-	-	-	185,435
Total gross receipts	190,460	42,464,250	6,841,543	5,287,663	152,752	8,232,679	46,477,852
<u>Disposition</u>							
Deliveries to refineries	2,273,925	1,198,453	1,518,718	1,141,956	7,124,892	8,214,194	21,472,138
Exports	3,478,846	-	-	3,325,578	152,752	-	6,957,176
To other carriers (truck and rail)	-	5,135	-	-	-	-	5,135
To bulk plants, terminals, etc.	-	-	-	-	-	-	-
Total net deliveries	5,752,771	1,203,588	1,518,718	4,467,534	7,277,644	8,214,194	28,434,449
Transfers to other trunk lines	-	11,254,404	1,734,287	4,924,943	-	-	17,913,634
Total gross deliveries	5,752,771	12,457,992	3,253,005	9,392,477	7,277,644	8,214,194	46,348,083
Pipeline fuel							30,795
Pipeline losses and unaccounted for							67,445
Inventory changes							31,529
Total disposition				(provincial breakdown not available)			46,477,852
Crude oil deliveries to U.S.A. at Gretna, Man.							10,416,895(2)
Crude oil received from U.S.A. at Sarnia, Ont.							7,164,072(2)

(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 December 1961 barrels	November 1961	December ^F 1960
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	19,824,148	339,869	20,164,017	18,996,917	15,484,042
By truck and rail	204,950	1,773	206,723	257,514	212,651
Total net receipts	20,029,098	341,642	20,370,740	19,254,431	15,696,693
Transfers from L.P.G.'s to crude oil stream	43,612	-	43,612	30,377	..
Transfers from other gathering systems	1,013,035	-	1,013,035	1,003,144	..
Total gross receipts	21,085,745	341,642	21,427,387	20,287,952	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines	13,697,154	130,094	13,827,248	13,071,840	11,210,726
To other trunk lines	5,633,602	-	5,633,602	5,462,770	3,736,657
To other carriers (truck and rail)	60,199	-	60,199	71,242	63,776
Refineries and processing plants	729,753	167,558	897,311	636,829	751,497
Total net deliveries	20,120,708	297,652	20,418,360	19,242,681	15,762,650
Transfers to other gathering systems	985,612	-	985,612	1,011,295	928,845
Transfers to crude oil stream	-	43,612	43,612	30,377	-
Total gross deliveries	21,106,320	341,264	21,447,584	20,284,353	16,691,495
Pipeline fuel	-26,819	-	-26,819	-	..
Pipeline losses and unaccounted for	6,244	-	6,244	-647	..
Inventory changes	-	378	378	4,246	..
Total disposition	21,085,745	341,642	21,427,387	20,287,952	..

.. Figures not available.

TABLE 5. Receipts and Disposition of Crude Oil, by Province - Gathering Lines

	Crude oil				
	British Columbia	Alberta	Saskatchewan	Manitoba	Canada
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	199,893	14,383,196	4,901,220	339,839	19,824,148
By truck and rail	-	176,781	6,501	21,668	204,950
Total net receipts	199,893	14,559,977	4,907,721	361,507	20,029,098
Transfers from L.P.G.'s to crude oil stream	-	43,612	-	-	43,612
Transfers from other gathering systems	-	66,099	946,936	-	1,013,035
Total gross receipts	199,893	14,669,688	5,854,657	361,507	21,085,745
<u>Disposition</u>					
Deliveries:					
To own trunk lines	-	10,706,340	2,990,814	-	13,697,154
To other trunk lines	165,965	3,197,976	1,906,580	363,081	5,633,602
To other carriers (truck and rail)	-	37,155	23,044	-	60,199
Refineries and processing plants	10,874	718,879	-	-	729,753
Total net deliveries	176,839	14,660,350	4,920,438	363,081	20,120,708
Transfers to other gathering systems	-	38,676	946,936	-	985,612
Total gross deliveries	176,839	14,699,026	5,867,374	363,081	21,106,320
Pipeline fuel	-	-	-	-	-
Pipeline losses and unaccounted for	-	-	-	-	-
Inventory changes	-	-	-	-	-
Total disposition	-	-	-	-	-

(provincial breakdown not available)

-26,819
6,244
21,085,745

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

	Crude oil		L.P.G.'s		Products Trunk	Total December 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances	229,582	11,085,536	4,611	212,199	550,067	12,081,995
Carriers' balances	250,469	1,030,769	-	42,577	-	1,323,815
Total inventory	480,051	12,116,305	4,611	254,776	550,067	13,405,810
Oil held in lines	364,838	8,210,604	4,138	162,161	456,512	9,198,253
Oil held in tanks	115,213	3,905,701	473	92,615	93,555	4,207,557
Inventory change, December, 1961.....	6,244	-504,302	-	114,599	6,655	-376,804

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

		Crude oil	L.P.G.'s	Products	All pipelines December, 1961	December ^r 1960	Interprovincial Pipe Line Company (1)	Montreal Pipe Line Company, Ltd.	Trans- Mountain Oil Pipe Line Company (1)
<u>Barrels handled</u>									
<u>Daily average of net deliveries:</u>									
Gathering systems	barrels	649,055	9,602	-	658,657	509,633	-	-	-
Trunk lines	"	917,240	14,801	160,569	1,092,610	983,733	369,081	264,974	185,573
<u>Daily average of gross deliveries:</u>									
Gathering lines	"	680,849	11,008	-	691,857	538,435	-	-	-
Trunk lines	"	1,495,099	36,200	160,569	1,691,868	1,463,790	436,761	264,974	185,573
<u>Total barrel miles:</u>									
Trunk lines	000's miles	13,172,537	118,261	778,181	14,068,979	11,153,785	7,147,266	579,550	3,869,341
<u>Average miles per barrel:</u>									
Trunk lines	miles	284.2	105.4	156.3	268.2	245.8	532.0	70.6	673.0
<u>Operating revenues, 1961^r:</u>									
Three months ended Mar. 31		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	183,435	4,132,891	52,478,467	48,407,967	14,967,794	1,333,977	10,850,465
Nine months " Sept. 30		73,778,920	273,146	5,708,331	79,760,397	70,919,576	23,292,587	1,924,728	16,953,070
Twelve months " Dec. 31		100,287,098	404,525	7,184,749	107,876,372	93,002,123	31,593,741	2,770,818	23,775,017
		Crude oil and L.P.C. pipelines	Product pipelines	Total all pipelines December, 1961	December 1960	Interprovincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans- Mountain Oil Pipe Line Co.	
<u>Employees and earnings:</u>									
Employees	No.	1,307	137	1,444	1,476	428	46	205	
Salaries and wages	\$	759,907	82,813	843,720	816,909	259,146	25,198	126,703	

(1) Includes L.P.G.'s and Condensates.

^r Revised figures.

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