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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

* revised figures.

INTRODUCTION

The 1960 report of Oil Pipeline Transport has been extensively revised to improve the presentation and quality of the material. The report attempts to meet two basic needs, (1) presentation of material on the commodity concept and (2) presentation of material in the transportation concept. As a result the receipts and disposition of petroleum, the commodity, has been completely reviewed. Monthly statistics on the revised basis (as compared to material presented in the pipe line transport monthly reports) for 1960 and annually 1959 are included in the report and is in conformity with material that will be provided monthly for 1961 and 1962. Historical material on both a monthly and annual basis will eventually be compiled and published.

- The commodity, petroleum, for this report is divided into three groups (a) crude oil and equivalent

which includes natural gasoline and condensate (b) liquefied petroleum gases and (c) petroleum products. The transportation sectors that are considered are gathering lines and trunk lines. All receipts of pipe lines are broken down by the type of commodity and the transportation unit. All the crude oil received by each transportation unit has a disposition which consists of delivery, inventory changes, pipe line uses, or lost and unaccounted for.

Because some of the pipe line units extend into U.S.A. and return to Canada, all statistics include the commodity disposition in the United States but the transportation equivalent to these operations is not included in the statistics. A glossary of terms is given on page 27.

Review of Survey Results:

Domestic receipts of crude oil in all pipe line systems increased from 178 million to 185 million barrels. However, imported receipts declined so that the total oil moved in Canada was up only slightly (0.8 per cent over the previous year). Nevertheless the increase in movements of oil from western Canada to markets which were far distant more than made up for the relatively short distance movements of imported crude. As a result total barrel miles in trunk lines increased by 4.2 per cent.

Total domestic receipts accounted for 97.6 per cent of the total of the 189,534,221 barrels of crude oil produced.

Receipts directly from fields accounted for most of the domestic receipts of pipe lines with the remaining oil coming from processing plants, the majority of the latter being natural gas and condensate.

Alberta, the province with the largest crude oil production, accounted for 48.7 per cent of all crude oil receipts followed by Saskatchewan, 19.0 per cent and Manitoba 1.8 per cent. The first pipe line movements of crude oil in northeastern British Columbia occurred in December but were a negligible part of the national totals.

Net deliveries of crude oil were made in Ontario, 26.5 per cent, British Columbia 8.8 per cent, Alberta 7.7 per cent, Saskatchewan 6.9 per cent and Manitoba 4.3 per cent. The deliveries in Quebec which accounted for 30.0 per cent were all imported crude.

Most receipts and deliveries of products occurred in Ontario and Quebec. Nearly all product deliveries were in Ontario with the movement being from refinery centres in Sarnia and Montreal into the product deficient areas between these major refining centres, the largest of which is the Toronto Hamilton area.

Gathering lines accounted for almost all of the domestic receipts. They delivered most of the crude oil, to trunk lines, 95.7 per cent, and to refineries, 3.6 per cent.

Total pipe line mileage increased 8.0 per cent to 8,436 miles; gathering mileage increased 11.7 per cent and trunk 3.3 per cent while products lines increased 8.2 per cent. The latter increase was accounted for by Yukon Pipelines Limited, included in this report for the first time. The major construction projects were: Federated Pipe Lines Ltd., which showed the greatest increase in pipe line mileage during the year, increased the gathering line 81 miles and the trunk line 80 miles. Other large increases were mainly in gathering lines, Trans-Prairie Pipelines Ltd. 95 miles, Producers Pipelines Ltd. 77 miles, Pembina Pipe Line Ltd. 66 miles and Peace River Oil Pipe Line Co. Ltd. 44 miles.

Most of the pipe line mileage is in 4"-5" pipe in the gathering systems and in 21"-26" pipe in the transmission systems. There was an increase of seven pumping stations during the year representing an increase of 15,200 horse power. The largest increase was Interprovincial Pipe Line which added over 13,000 horse power.

Trunk line movements of oil by pipe line increased some five million barrel miles while the average length of haul increased to 252.6 miles and the total ton mile movements amounted to 17,140,986,651. The average daily throughput in trunk lines amounted to 699,063 barrels of crude oil and equivalent while the average mile of pipe carried 45,194 barrels of crude oil per day.

The total capacity of pipe lines delivering into Edmonton amounted to 518,000 barrels per day while the capacity out of Edmonton was 578,500.

The property account of the pipe line industry increased \$17 million by gross additions of \$23 million, less other changes including adjustments of \$4 million and retirements of \$2 million. Most of the additions, \$16 million were in pipe lines, 70 per cent of the total. This is the third successive increase as a per cent of gross additions, from 43 per cent in 1958.

The total capital expenditures of the industry were estimated to be \$18.2 million. However, certain non-responding companies were estimated to have spent \$3.3 million so that the estimate of total capital expenditures approximates \$21.5 million. The Capital Expenditure report published by the Business Finance Division of the Bureau includes only the capital expenditures on new construction, that is they do not include capital expenditure of material that is second hand, nor do they report capital expenditure of land and rights-of-way. In addition differences occur because companies report actual payments on construction accounts, whereas gross additions include clearing accounts such as "construction in progress" accounts.

In addition to the capital expenditures, the industry spent approximately \$3.3 million on repair expenditures. Other industries including crude oil

producing and refining spent approximately \$2 million on pipe lines and \$20 million on oil storage tanks.

Total assets of the industry decreased due to reduction in special deposits, cash on hand and investments, while the property account after depreciation increased \$4 million but was more than offset by the aforementioned decreases. The decreases in assets were accompanied by decreases in the long term debt and current liabilities.

Interprovincial companies dominated the property account and assets of the industry, accounting for 67.9 per cent of fixed assets and 50.0 per cent of total assets. The two major trans-continental pipe lines, Interprovincial Pipe Line Company and Trans Mountain Oil Pipe Line Company accounted for 63.9 per cent of total assets.

Depreciation amounted to 28.7 per cent of the property account while the depreciation taken during the year was 18.9 per cent of operating revenues, and 4.7 per cent of the property account. The current ratio of the industry amounted to 1.3:1.

The operating revenues of pipe line companies amounted to \$94 million of which \$14 million was received from transportation in gathering lines, \$74 million in trunk lines and \$6 million other. Operating expenses accounted for 24.3 per cent of all operating revenues, depreciation 18.9 per cent and interest on long term debt 13.5 per cent. The net income for the industry was \$44 million before taxes and after income taxes \$23 million, 12.0 per cent more than last year.

The total number of employees declined slightly during the year while the total earnings increased so that the average earnings per employee increased 4.0 per cent.

STATISTICAL TABLES

TABLE 1. Receipts and Disposition of Crude Oil, Condensate and Natural Gasoline, by Month, 1960
Trunk Lines

[illegible]

Trunk Lines

[illegible]

TABLE 3. Receipts and Disposition of Crude Oil, Condensate and Natural Gasoline, by Month, 1960
Gathering Lines

No.		Total 1959	Total 1960	January	February	March	April
	Receipts						
	Receipts from fields:						
	By gathering systems:						
1	British Columbia	—	14,896	—	—	—	—
2	Alberta	120,281,405	123,917,168	12,669,534	10,508,118	11,240,801	9,215,474
3	Saskatchewan	41,273,401	47,364,304	3,630,988	3,544,947	4,102,821	3,925,313
4	Manitoba	4,723,652	4,501,843	375,071	358,836	378,122	361,890
5	Totals	166,278,458	175,798,211	16,675,593	14,411,901	15,721,744	13,502,677
	By truck and rail:						
6	Alberta	2,580,542	2,286,113	229,897	239,822	244,094	150,505
7	Saskatchewan	703,508	630,876	51,948	57,746	68,629	33,759
8	Manitoba	290,360	286,231	18,639	23,404	23,352	3,130
9	Totals	3,574,408	3,153,220	300,484	320,972	336,075	187,394
10	Total net receipts	169,852,866	178,951,431	16,976,077	14,732,873	16,057,819	13,690,071
11	Transfers from other gathering lines	9,095,772	10,649,074	837,240	797,231	886,661	856,638
12	Total gross receipts	178,948,638	189,600,505	17,813,317	15,530,104	16,944,480	14,546,709
	Disposition						
	Deliveries:						
13	To own trunk lines	114,029,482	123,788,250	11,258,122	9,925,475	10,879,635	9,490,501
14	To other trunk lines	48,992,475	47,296,679	4,937,935	4,239,671	4,411,637	3,587,203
	To truck and rail:						
15	Alberta	528,187	532,915	28,955	33,461	44,538	47,015
16	Saskatchewan	902,517	648,371	76,648	52,814	81,562	89,114
17	Totals	1,430,704	1,179,286	103,601	86,275	106,100	136,129
	To refineries and processing plants:						
18	Alberta	5,391,720	6,511,396	660,095	515,326	662,176	436,170
19	Total net deliveries	169,844,381	178,775,611	16,959,753	14,766,747	16,059,548	13,650,003
20	Transfers to other gathering systems	9,095,772	10,649,074	837,240	797,231	886,661	856,638
21	Total gross deliveries	178,940,153	189,424,685	17,796,993	15,563,978	16,946,209	14,506,641
22	Pipeline fuel, losses and unaccounted for .....	..	..	..	..	..	..
23	Inventory and other changes .....	..	..	..	..	..	..

TABLE 3. Receipts and Disposition of Crude Oil, Condensate and Natural Gasoline, by Month, 1960
Gathering Lines

[illegible]

TABLE 4. Summary of Pipe Line Movements of Crude Oil, Liquefied Petroleum Gases and Petroleum Products, by Month, 1960

No.		Total 1959	Total 1960	January	February	March	April
	Receipts						
	Crude oil:						
	Receipts from fields:						
1	British Columbia	—	14,896	—	—	—	—
2	Alberta	123,179,426	126,563,448	12,932,473	10,781,747	11,519,527	9,377,190
3	Saskatchewan	45,485,344	50,638,817	3,945,072	3,893,926	4,476,798	4,162,025
4	Manitoba	5,014,012	4,788,074	393,710	382,240	401,474	365,020
5	Totals	173,678,782	182,005,235	17,271,255	15,057,913	16,397,799	13,904,235
	From processing plants:						
6	Alberta	4,150,646	3,057,541	362,133	354,731	397,115	342,895
7	Total domestic receipts	177,829,488	185,062,776	17,633,388	15,412,644	16,794,914	14,247,130
	Imports:						
8	Ontario	1,688,173	1,866,029	162,646	154,048	183,505	112,169
9	Quebec	84,394,929	79,143,068	8,321,662	7,566,244	6,924,502	5,996,253
10	Totals	86,083,102	81,009,097	8,484,308	7,720,292	7,108,007	6,108,422
11	Total net receipts	263,912,590	266,071,873	26,117,696	23,132,936	23,902,921	20,355,552
	L.P.G.'s and Products						
	From processing plants:						
12	Alberta	707,177	960,717	85,452	70,508	74,853	35,016
	From bulk plants and refineries:						
13	Ontario	30,365,214	30,177,888	3,682,115	2,928,846	2,925,581	2,759,683
14	Quebec	15,592,978	17,810,558	1,540,357	1,567,719	1,346,159	1,376,356
15	Totals	45,958,192	47,988,446	5,222,472	4,496,565	4,271,740	4,136,039
16	Imports	202,463	450,443	50,522	36,782	26,242	49,669
17	Total net receipts	46,867,832	49,399,606	5,358,446	4,603,855	4,372,835	4,220,724
18	Total net receipts — all commodities	310,780,422	315,471,479	31,476,142	27,736,791	28,275,756	24,576,276
19	Transfers	155,746,712	176,105,736	15,808,088	14,334,552	16,086,252	14,239,156
20	Total gross receipts	466,527,134	491,577,215	47,284,230	42,071,343	44,362,008	38,815,432
	Disposition						
	Crude oil:						
	Deliveries to refineries:						
21	British Columbia	22,585,326	23,284,402	2,513,817	2,178,466	2,088,425	2,065,774
22	Alberta	19,301,322	19,537,696	1,758,163	1,499,515	1,720,894	1,232,228
23	Saskatchewan	17,606,602	17,589,052	1,742,176	1,315,558	1,499,492	1,601,301
24	Manitoba	10,977,184	11,275,498	1,054,748	940,513	968,540	867,492
25	Ontario	69,943,696	69,728,937	6,705,756	5,769,631	6,436,526	5,583,175
26	Quebec	84,371,790	79,170,088	8,305,668	7,540,725	6,955,372	6,011,119
27	Totals	224,785,920	220,585,673	22,080,328	19,244,408	19,671,249	17,361,089
28	Exports	34,705,773	41,371,672	3,572,360	3,670,741	3,640,770	3,565,557
	To truck and rail:						
29	Alberta	1,162,963	943,788	54,630	62,575	85,810	74,716
30	Saskatchewan	902,517	646,371	76,646	52,814	61,562	89,114
31	Totals	2,065,480	1,590,159	131,276	115,389	147,372	163,830
32	Total net deliveries	261,557,173	263,547,704	25,783,964	23,030,538	23,459,391	21,090,476
	L.P.G.'s and Products:						
	To truck and rail:						
33	Alberta	187,585	278,162	34,289	29,247	34,686	27,712
	To bulk plants and terminals:						
34	Yukon	37,157	320,360	30,353	26,869	29,214	18,062
35	Alberta	590,373	670,871	69,448	56,061	55,750	46,291
36	Ontario	45,693,356	47,562,321	5,155,282	4,470,383	4,287,481	4,115,290
37	Totals	46,320,686	48,553,552	5,255,083	4,553,313	4,372,445	4,178,643
38	Exports	263,092	398,491	55,438	34,801	—	—
39	Total net deliveries	46,791,563	49,230,205	5,344,810	4,617,361	4,407,131	4,207,355
40	Total net deliveries — all commodities	308,348,736	312,777,909	31,128,774	27,647,899	27,866,522	25,297,831
41	Transfers	155,746,712	176,105,736	15,808,088	14,334,552	16,086,252	14,239,156
42	Total gross deliveries	464,095,448	488,883,645	46,936,862	41,982,451	43,952,774	39,536,987
43	Pipeline fuel, losses and unaccounted for	2,053,074	1,605,063	347,368	88,892	409,234	-721,555
44	Inventory and other changes	378,612	165,615	—	—	—	—
45	Deliveries to other carriers U.S.A.	—	922,892	—	—	—	—
46	Total disposition	466,527,134	491,577,215	47,284,230	42,071,343	44,362,008	38,815,432

TABLE 4. Summary of Pipe Line Movements of Crude Oil, Liquefied Petroleum Gases and Petroleum Products, by Month, 1960

May	June	July	August	September	October	November	December	No.
11,086,409	10,314,245	10,100,096	9,619,117	10,208,167	9,337,437	10,122,133	14,896	1
4,367,280	4,255,846	4,714,917	4,617,410	4,222,592	3,947,660	3,874,606	11,164,907	2
381,051	393,586	390,416	405,320	431,400	411,627	409,574	4,160,685	3
15,834,740	14,963,677	15,205,429	14,641,847	14,862,159	13,696,724	14,406,313	422,656	4
351,931	362,285	351,105	98,125	106,688	111,610	119,267	14,896	5
16,186,671	15,325,962	15,556,534	14,739,972	14,968,847	13,808,334	14,525,580	99,656	6
180,536	168,800	164,492	158,574	153,613	143,236	144,414	139,996	8
5,964,148	5,198,840	6,926,639	6,463,364	5,860,727	5,139,693	7,276,587	7,504,409	9
8,144,684	5,367,640	7,091,131	6,621,938	6,014,340	5,282,929	7,421,001	7,644,405	10
22,331,355	20,683,602	22,647,665	21,361,910	20,983,187	19,091,263	21,946,581	23,507,205	11
35,330	49,005	104,831	86,834	96,833	95,757	113,147	113,151	12
1,793,123	1,772,765	2,007,072	2,212,137	2,122,195	2,360,468	2,552,247	3,061,656	13
1,416,665	1,433,521	1,610,828	1,646,204	1,551,214	1,280,422	1,448,579	1,592,534	14
3,209,788	3,206,286	3,617,900	3,858,341	3,673,409	3,640,890	4,000,626	4,654,190	15
19,913	22,429	23,833	29,074	29,716	53,460	52,191	56,612	16
3,265,031	3,277,720	3,746,564	3,974,249	3,799,958	3,790,107	4,166,164	4,823,953	17
25,596,386	23,971,322	26,394,229	25,336,159	24,783,145	22,881,370	26,112,745	28,331,158	18
15,260,048	14,091,893	14,693,788	13,739,195	14,422,102	13,189,575	14,815,075	15,426,012	19
40,856,434	38,063,215	41,088,017	39,075,354	39,205,247	36,070,945	40,927,820	43,757,170	20
2,228,338	2,144,255	1,386,378	1,074,790	1,969,215	1,747,114	2,011,201	1,876,629	21
1,802,238	1,627,065	1,480,316	1,931,095	1,781,485	1,687,809	1,516,338	1,500,550	22
1,684,732	1,092,008	1,435,847	1,668,758	1,402,618	964,192	1,373,050	1,809,320	23
951,181	736,286	805,992	1,007,197	971,281	1,023,556	975,875	972,837	24
6,171,103	6,182,121	5,944,784	6,056,188	5,655,203	3,680,564	5,874,529	5,667,357	25
5,918,227	5,216,235	6,956,920	6,475,111	5,847,218	5,173,759	7,207,450	7,562,284	26
18,755,819	16,997,970	18,010,237	18,213,139	17,627,020	14,276,994	18,958,443	19,388,977	27
3,668,932	3,467,021	3,473,929	2,971,989	3,084,530	3,098,266	3,793,489	3,364,288	28
87,921	86,187	79,786	82,669	87,272	87,142	87,154	67,926	29
88,819	84,123	83,532	22,350	25,817	14,830	22,102	24,662	30
176,740	170,310	163,318	105,019	113,089	101,972	109,256	92,588	31
22,601,491	20,635,301	21,647,484	21,290,147	20,824,639	17,477,232	22,861,188	22,845,853	32
38,280	36,573	23,318	11,698	10,242	7,714	10,788	13,615	33
12,501	21,237	26,750	29,857	34,815	42,561	23,653	24,488	34
60,780	59,380	43,075	52,717	55,969	58,211	54,657	58,532	35
3,187,474	3,150,164	3,619,160	3,832,036	3,616,589	3,582,181	3,931,938	4,614,343	36
3,260,755	3,230,761	3,688,985	3,914,610	3,707,373	3,682,953	4,010,248	4,697,363	37
25,255	35,547	—	—	51,590	83,654	50,214	61,992	38
3,324,290	3,302,901	3,712,303	3,826,308	3,769,205	3,774,321	4,071,250	4,772,970	39
25,925,781	23,938,202	25,359,787	25,216,455	24,593,844	21,251,553	26,932,438	27,618,823	40
15,260,048	14,091,893	14,693,788	13,739,195	14,422,102	13,189,575	14,815,075	15,426,012	41
41,185,829	38,030,095	40,053,575	38,955,650	39,015,946	34,441,128	41,747,513	43,044,835	42
-329,395	33,120	1,034,442	-199,685	-101,777	1,428,723	-931,024	712,335	43
—	—	—	319,389	291,078	201,094	111,331	—	44
40,856,434	38,063,215	41,088,017	39,075,354	39,205,247	36,070,945	40,927,820	43,757,170	46

TABLE 5. Oil Pipe Line Mileage by Company and Province in Service at December 31, 1960 and 1959

No.		Gathering systems				
		British Columbia	Alberta	Saskatchewan	Manitoba	Total
	1960					
	Crude oil and natural gas liquid lines:					
1	Amurex Oil Company	—	5.8	—	—	5.8
2	Anglo American Exploration Ltd.	—	9.5	—	—	9.5
3	Anglo-Canadian Oils Limited	—	—	—	—	—
4	B-A Alberta Pipe Line Limited	—	21.4	—	—	21.4
5	B-A Saskatchewan Pipe Line Limited ..	—	—	—	—	—
6	Britam Oil Pipe Line Company Limited ..	—	209.1	—	—	209.1
7	Devon-Palmer Oils Ltd.	—	4.2	—	—	4.2
8	Federated Pipe Lines Ltd.	—	145.0	—	—	145.0
9	Gibson Associated Oils Ltd.	—	35.5	—	—	35.5
10	Gibson Crude Oil Purchasing Co. Ltd.	—	35.0	—	—	35.0
11	Gibson Petroleum Company Limited	—	12.3	—	—	12.3
12	Goliad Oil & Gas Company	—	32.8	—	—	32.8
	Home Oil Company Limited:					
13	Cremona Pipe Line Division	—	44.3	—	—	44.3
	Hudson's Bay Oil and Gas Company Limited:					
14	Rangeland Pipe Line Division	—	114.0	—	—	114.0
15	Windfall System	—	—	—	—	—
16	The Imperial Pipe Line Company Limited ..	—	324.3	—	—	324.3
17	Interprovincial Pipe Line Company	—	—	—	—	—
18	Key Pipe Line Co. Ltd.	—	—	5.0	—	5.0
19	Montreal Pipe Line Company Limited	—	—	—	—	—
	Pam Oil Limited:					
20	Edmonton Pipe Line Division	—	—	—	—	—
21	Peace River Oil Pipe Line Co. Ltd.	—	99.9	—	—	99.9
22	Pembina Pipe Line Ltd.	—	628.9	—	—	628.9
23	Producers Pipelines Ltd.	—	—	396.6	—	396.6
	Royalite Oil Company Limited:					
24	Mid-Saskatchewan Pipe Line Dept.	—	—	19.3	—	19.3
25	Valley Pipe Line Dept.	—	75.5	—	—	75.5
26	Saskatoon Pipeline Company Limited	—	—	—	—	—
27	South Saskatchewan Pipe Line Company ..	—	—	124.0	—	124.0
	Texaco Exploration Company:					
28	Pipe Line Dept.	—	23.4	—	—	23.4
29	Trans Mountain Oil Pipe Line Company ..	—	—	—	—	—
30	Trans-Prairie Pipelines Ltd.	79.0	—	92.3	129.0	300.3
31	Westpur Pipe Line Company	—	—	109.3	—	109.3
32	Winnipeg Pipe Line Company Limited	—	—	—	—	—
33	Totals	79.0	1,820.9	746.5	129.0	2,775.4
	Products lines:					
34	Alaska-Yukon Pipelines Ltd.	—	—	—	—	—
35	Green River Exploration Company Limited ..	—	—	—	—	—
	Imperial Oil Limited:					
36	Sarnia Products Pipe Line	—	—	—	—	—
37	Nisku Products Pipe Line Company Limited ..	—	—	—	—	—
38	Sun-Canadian Pipe Line Company Limited ..	—	—	—	—	—
39	Trans-Northern Pipe Line Company	—	—	—	—	—
40	Yukon Pipelines Limited	—	—	—	—	—
41	Totals	—	—	—	—	—
42	Grand total all lines	79.0	1,820.9	746.5	129.0	2,775.4

TABLE 5. Oil Pipe Line Mileage by Company and Province in Service at December 31, 1960 and 1959

Trunk lines								Grand total	No.
Yukon Territory	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	Quebec	Total		
-	-	-	-	-	-	-	-	5.8	1
-	-	-	-	-	-	-	-	9.5	2
-	-	-	-	15.0	-	-	15.0	15.0	3
-	-	-	-	-	-	-	-	21.4	4
-	-	-	24.3	-	-	-	24.3	24.3	5
-	-	171.5	-	-	-	-	171.5	380.6	6
-	-	-	-	-	-	-	-	4.2	7
-	-	202.9	-	-	-	-	202.9	347.9	8
-	-	-	-	-	-	-	-	35.5	9
-	-	-	-	-	-	-	-	35.0	10
-	-	-	-	-	-	-	-	12.3	11
-	-	30.5	-	-	-	-	30.5	63.3	12
-	-	62.7	-	-	-	-	62.7	107.0	13
-	-	78.3	-	-	-	-	78.3	192.3	14
-	-	46.2	-	-	-	-	46.2	46.2	15
-	-	-	-	-	-	-	-	324.3	16
-	-	372.7	866.9	440.3	166.6	-	1,846.5	1,846.5	17
-	-	-	-	-	-	-	-	5.0	18
-	-	-	-	-	-	146.7	146.7	146.7	19
-	-	82.5	-	-	-	-	82.5	82.5	20
-	-	107.5	-	-	-	-	107.5	207.4	21
-	-	75.0	-	-	-	-	75.0	703.9	22
-	-	-	-	-	-	-	-	396.6	23
-	-	-	41.4	-	-	-	41.4	60.7	24
-	-	94.4	-	-	-	-	94.4	169.9	25
-	-	-	56.9	-	-	-	56.9	56.9	26
-	-	-	160.6	-	-	-	160.6	284.6	27
-	-	142.6	-	-	-	-	142.6	166.0	28
-	523.3	304.1	-	-	-	-	827.4	827.4	29
-	-	-	-	-	-	-	-	300.3	30
-	-	-	162.9	21.6	-	-	184.5	293.8	31
-	-	-	-	75.4	-	-	75.4	75.4	32
-	523.3	1,770.9	1,313.0	552.3	166.6	146.7	4,472.8	7,248.2	33
107.0	-	-	-	-	-	-	107.0	107.0	34
-	-	29.3	-	-	-	-	29.3	29.3	35
-	-	-	-	-	241.5	-	241.5	241.5	36
-	-	67.0	-	-	-	-	67.0	67.0	37
-	-	-	-	-	210.9	-	210.9	210.9	38
-	-	-	-	-	389.8	52.5	442.3	442.3	39
55.5	35.0	-	-	-	-	-	90.5	90.5	40
162.5	35.0	96.3	-	-	842.2	52.5	1,188.5	1,188.5	41
162.5	558.3	1,867.2	1,313.0	552.3	1,008.8	199.2	5,661.3	8,436.7	42

TABLE 5. Oil Pipe Line Mileage by Company and Province in Service at December 31, 1960 and 1959 — Concluded

No.		Gathering systems				
		British Columbia	Alberta	Saskatchewan	Manitoba	Total
	1959					
	Crude Oil and Natural Gas Liquids Lines:					
1	Amurex Oil Company	—	5.8	—	—	5.8
2	Anglo American Exploration Ltd.	—	9.5	—	—	9.5
3	Anglo-Canadian Oils Limited	—	—	—	—	—
4	B-A Alberta Pipe Line Limited	—	21.3	—	—	21.3
5	B-A Saskatchewan Pipe Line Limited	—	—	—	—	—
6	Britam Oil Pipe Line Company Limited	—	206.3	—	—	206.3
7	Devon-Palmer Oils Ltd.	—	4.2	—	—	4.2
8	Edmonton Pipe Line Company Limited	—	—	—	—	—
9	Federated Pipe Lines Ltd.	—	64.0	—	—	64.0
10	Gibson Associated Oils Ltd.	—	35.5	—	—	35.5
11	Gibson Crude Oil Purchasing Co. Ltd.	—	35.0	—	—	35.0
12	Gibson Petroleum Company Limited	—	7.3	—	—	7.3
13	Goliad Oil and Gas Company	—	44.2	—	—	44.2
	Home Oil Company Limited:					
14	Cremona Pipe Line Division	—	25.4	—	—	25.4
15	Imperial Pipe Line Company Limited	—	326.4	—	—	326.4
16	Interprovincial Pipe Line Company	—	—	—	—	—
17	Key Pipe Line Co. Ltd.	—	—	5.0	—	5.0
18	Mid-Saskatchewan Pipe Lines Ltd.	—	—	14.0	—	14.0
19	Montreal Pipe Line Company Limited	—	—	—	—	—
20	Peace River Oil Pipe Line Co. Ltd.	—	56.0	—	—	56.0
21	Pembina Pipe Line Ltd.	—	563.0	—	—	563.0
22	Producers Pipelines Ltd.	—	—	319.5	—	319.5
23	Rangeland Pipe Line Company Limited	—	102.2	—	—	102.2
24	Saskatoon Pipe Line Co. Ltd.	—	—	—	—	—
25	South Saskatchewan Pipe Line Company	—	—	124.0	—	124.0
	Texaco Exploration Company:					
26	Pipe Line Dept.	—	23.4	—	—	23.4
27	Trans Mountain Oil Pipe Line Company	—	—	—	—	—
28	Trans-Prairie Pipelines Ltd.	—	—	86.8	118.5	205.3
29	Valley Pipe Line Company Limited	—	75.6	—	—	75.6
30	Westpur Pipe Line Company	—	—	109.3	—	109.3
31	Winnipeg Pipe Line Company Limited	—	—	—	—	—
32	Totals	—	1,605.1	658.6	118.5	2,382.2
	Products lines:					
33	Alaska-Yukon Pipelines Ltd.	—	—	—	—	—
34	Green River Exploration Company Limited	—	—	—	—	—
	Imperial Oil Limited:					
35	Sarnia Products Pipe Line	—	—	—	—	—
36	Nisku Products Pipe Line Company Limited	—	—	—	—	—
37	Sun-Canadian Pipe Line Company Limited	—	—	—	—	—
38	Trans-Northern Pipe Line Company	—	—	—	—	—
39	Totals	—	—	—	—	—
40	Grand total all lines	—	1,605.1	658.6	118.5	2,382.2

TABLE 5. Oil Pipe Line Mileage by Company and Province in Service at December 31, 1960 and 1959 -- Concluded

Trunk lines								Grand total	No.
Yukon Territory	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	Quebec	Total		
-	-	-	-	-	-	-	-	5.8	1
-	-	-	-	-	-	-	-	9.5	2
-	-	-	-	15.0	-	-	15.0	15.0	3
-	-	-	-	-	-	-	-	21.3	4
-	-	-	24.3	-	-	-	24.3	24.3	5
-	-	171.5	-	-	-	-	171.5	377.8	6
-	-	-	-	-	-	-	-	4.2	7
-	-	82.5	-	-	-	-	82.5	82.5	8
-	-	123.0	-	-	-	-	123.0	187.0	9
-	-	-	-	-	-	-	-	35.5	10
-	-	-	-	-	-	-	-	35.0	11
-	-	-	-	-	-	-	-	7.3	12
-	-	19.1	-	-	-	-	19.1	63.3	13
-	-	62.7	-	-	-	-	62.7	88.1	14
-	-	-	-	-	-	-	-	326.4	15
-	-	372.7	866.9	440.3	166.7	-	1,846.6	1,846.6	16
-	-	-	-	-	-	-	-	5.0	17
-	-	-	35.2	-	-	-	35.2	49.2	18
-	-	-	-	-	-	149.4	149.4	149.4	19
-	-	107.5	-	-	-	-	107.5	163.5	20
-	-	75.0	-	-	-	-	75.0	638.0	21
-	-	-	-	-	-	-	-	319.5	22
-	-	78.0	-	-	-	-	78.0	180.2	23
-	-	-	56.9	-	-	-	56.9	56.9	24
-	-	-	160.6	-	-	-	160.6	284.6	25
-	-	139.3	-	-	-	-	139.3	162.7	26
-	523.3	304.1	-	-	-	-	827.4	827.4	27
-	-	-	-	-	-	-	-	205.3	28
-	-	94.3	-	-	-	-	94.3	169.9	29
-	-	-	162.9 ^r	21.6 ^r	-	-	184.5	293.8	30
-	-	-	-	75.4	-	-	75.4	75.4	31
-	523.3	1,629.7	1,306.8	552.3	166.7	149.4	4,328.2	6,710.4	32
107.0	-	-	-	-	-	-	107.0	107.0	33
-	-	29.3	-	-	-	-	29.3	29.3	34
-	-	-	-	-	241.5	-	241.5	241.5	35
-	-	67.0	-	-	-	-	67.0	67.0	36
-	-	-	-	-	210.9	-	210.9	210.9	37
-	-	-	-	-	389.8	52.5	442.3	442.3	38
107.0	-	96.3	-	-	842.2	52.5	1,098.0	1,098.0	39
107.0	523.3	1,726.0	1,306.8	552.3	1,008.9	201.9	5,426.2	7,808.4	40

TABLE 6. Oil Pipe Line Mileage by Company and Size of Pipe, 1960

No.	Company	Field and gathering										
		Diameter of pipe in inches										
		0-2.9	3-3.9	4-4.9	5-5.9	6-7.9	8-9.9	10-10.9	11-12.9	13-16.9	17.0 and over	Total field and gathering
1	Alaska-Yukon Pipe Lines Ltd.	—	—	—	—	—	—	—	—	—	—	—
2	Amurex Oil Company	—	—	1.1	—	4.7	—	—	—	—	—	5.8
3	Anglo American Exploration Ltd.	9.5	—	—	—	—	—	—	—	—	—	9.5
4	Anglo-Canadian Oils Limited	—	—	—	—	—	—	—	—	—	—	—
5	B-A Alberta Pipe Line Limited	—	0.9	0.4	19.4	0.7	—	—	—	—	—	21.4
6	B-A Saskatchewan Pipe Line Limited	—	—	—	—	—	—	—	—	—	—	—
7	Britamoll Pipe Line Company Limited	20.5	2.4	105.7	—	80.5	—	—	—	—	—	209.1
8	Devon-Palmer Oils Ltd.	—	4.2	—	—	—	—	—	—	—	—	4.2
9	Federated Pipe Lines Ltd.	—	—	44.2	—	29.7	60.4	10.7	—	—	—	145.0
10	Gibson Associated Oils Ltd.	—	15.5	—	—	20.0	—	—	—	—	—	35.5
11	Gibson Crude Oil Purchasing Co. Ltd.	1.0	20.0	14.0	—	—	—	—	—	—	—	35.0
12	Gibson Petroleum Company, Limited	3.0	9.3	—	—	—	—	—	—	—	—	12.3
13	Goliad Oil & Gas Company	—	32.8	—	—	—	—	—	—	—	—	32.8
14	Green River Exploration Company, Limited	—	—	—	—	—	—	—	—	—	—	—
Home Oil Company, Ltd:												
15	Cremona Pipe Line Division	0.9	0.8	34.4	—	8.2	—	—	—	—	—	44.3
Hudson's Bay Oil and Gas Company, Limited:												
16	Rangeland Pipe Line Division	2.5	—	71.8	—	37.0	2.7	—	—	—	—	114.0
17	Windfall System	—	—	—	—	—	—	—	—	—	—	—
Imperial Oil Limited:												
18	Sarnia Products Pipe Line	—	—	—	—	—	—	—	—	—	—	—
19	The Imperial Pipe Line Company, Limited	9.6	50.1	90.5	—	65.0	98.2	—	10.9	—	—	324.3
20	Interprovincial Pipe Line Company	—	—	—	—	—	—	—	—	—	—	—
21	Key Pipe Line Co. Ltd.	—	—	—	—	—	5.0	—	—	—	—	5.0
22	Montreal Pipe Line Company, Limited	—	—	—	—	—	—	—	—	—	—	—
23	Nisku Products Pipe Line Company, Limited	—	—	—	—	—	—	—	—	—	—	—
Pamoll Limited:												
24	Edmonton Pipe Line Division	—	—	—	—	—	—	—	—	—	—	—
25	Peace River Oil Pipe Line Co., Ltd.	3.8	1.3	20.8	—	—	74.0	—	—	—	—	99.9
26	Pembina Pipe Line Ltd.	0.2	203.5	198.6	—	154.5	17.8	32.0	16.8	5.5	—	628.9
27	Producers Pipelines Ltd.	—	47.9	223.8	—	98.7	26.2	—	—	—	—	396.6
Royalite Oil Company, Limited:												
28	Mid-Saskatchewan Pipe Line Dept.	0.4	17.1	—	—	1.8	—	—	—	—	—	19.3
29	Valley Pipe Line Dept.	4.9	23.2	47.4	—	—	—	—	—	—	—	75.5
30	Saskatoon Pipe Line Company, Limited	—	—	—	—	—	—	—	—	—	—	—
31	South Saskatchewan Pipe Line Company	—	—	13.0	—	9.0	28.0	6.0	68.0	—	—	124.0
32	Sun-Canadian Pipe Line Company, Limited	—	—	—	—	—	—	—	—	—	—	—
Texaco Exploration Company:												
33	Pipe Line Dept.	—	0.7	5.2	—	8.0	9.5	—	—	—	—	23.4
34	Trans Mountain Oil Pipe Line Company	—	—	—	—	—	—	—	—	—	—	—
35	Trans-Northern Pipe Line Company	—	—	—	—	—	—	—	—	—	—	—
36	Trans-Prairie Pipelines Ltd.	—	50.1	138.4	—	83.5	20.1	8.2	—	—	—	300.3
37	Westpur Pipe Line Company	—	—	35.7	—	56.9	15.1	1.6	—	—	—	109.3
38	Winnipeg Pipe Line Company, Limited	—	—	—	—	—	—	—	—	—	—	—
39	Yukon Pipelines Limited	—	—	—	—	—	—	—	—	—	—	—
40	Totals 1960	56.3	479.8	1,045.0	19.4	658.2	357.0	58.5	95.7	5.5	—	2,775.4
41	Totals 1959 ^r	467.5	—	880.5	19.3	577.0	342.4	—	90.5	5.0	—	2,382.2

TABLE 6. Oil Pipe Line Mileage by Company and Size of Pipe, 1960

Transmission											Total	No.
Diameter of pipe in inches												
0-5.9	6-8.9	9-10.9	11-12.9	13-16.9	17-18.9	19-20.9	21-25.9	26-29.9	30.0 and over	Total transmission		
107.0	-	-	-	-	-	-	-	-	-	107.0	107.0	1
-	-	-	-	-	-	-	-	-	-	-	5.8	2
-	-	-	-	-	-	-	-	-	-	-	9.5	3
15.0	-	-	-	-	-	-	-	-	-	15.0	15.0	4
-	-	-	-	-	-	-	-	-	-	-	21.4	5
-	24.3	-	-	-	-	-	-	-	-	24.3	24.3	6
-	20.6	51.9	99.0	-	-	-	-	-	-	171.5	380.6	7
-	-	-	-	-	-	-	-	-	-	-	4.2	8
-	1.9	116.1	6.9	78.0	-	-	-	-	-	202.9	347.9	9
-	-	-	-	-	-	-	-	-	-	-	35.5	10
-	-	-	-	-	-	-	-	-	-	-	35.0	11
-	-	-	-	-	-	-	-	-	-	-	12.3	12
-	30.5	-	-	-	-	-	-	-	-	30.5	63.3	13
29.3	-	-	-	-	-	-	-	-	-	29.3	29.3	14
-	62.7	-	-	-	-	-	-	-	-	62.7	107.0	15
-	21.5	-	56.8	-	-	-	-	-	-	78.3	192.3	16
-	46.2	-	-	-	-	-	-	-	-	46.2	46.2	17
-	14.0	57.0	170.5	-	-	-	-	-	-	241.5	241.5	18
-	-	-	-	-	-	-	-	-	-	-	324.3	19
-	-	-	-	429.9	38.7	595.4	773.3	1.6	7.6	1,846.5	1,846.5	20
-	-	-	-	-	-	-	-	-	-	-	5.0	21
-	-	2.6	67.9	-	70.6	-	5.6	-	-	146.7	146.7	22
67.0	-	-	-	-	-	-	-	-	-	67.0	67.0	23
42.4	40.1	-	-	-	-	-	-	-	-	82.5	82.5	24
-	-	-	62.7	44.8	-	-	-	-	-	107.5	207.4	25
-	-	-	-	75.0	-	-	-	-	-	75.0	703.9	26
-	-	-	-	-	-	-	-	-	-	-	396.6	27
11.8	29.6	-	-	-	-	-	-	-	-	41.4	60.7	28
61.0	33.4	-	-	-	-	-	-	-	-	94.4	169.9	29
-	56.9	-	-	-	-	-	-	-	-	56.9	58.9	30
-	2.2	0.4	-	158.0	-	-	-	-	-	160.6	284.6	31
-	210.9	-	-	-	-	-	-	-	-	210.9	210.9	32
-	63.0	8.0	22.2	49.4	-	-	-	-	-	142.6	166.0	33
-	-	-	-	-	-	2.4	723.0	-	102.0	827.4	827.4	34
-	42.3	400.0	-	-	-	-	-	-	-	442.3	442.3	35
-	-	-	-	-	-	-	-	-	-	-	300.3	36
-	-	-	109.1	75.4	-	-	-	-	-	184.5	293.8	37
-	2.7	72.7	-	-	-	-	-	-	-	75.4	75.4	38
90.5	-	-	-	-	-	-	-	-	-	90.5	90.5	39
424.0	702.8	708.7	595.1	910.5	109.3	597.8	1,501.9	1.6	109.6	5,661.3	8,436.7	40
346.4	622.3	707.6	598.9	830.7	109.3	597.9	1,501.9	111.2	-	5,426.2	7,808.4	41

TABLE 7. Pumping Stations on Trunk Lines by Company and Rated Horsepower, as at December 31, 1960

No.	Company	Rated horsepower					
		Under 200	200- 500	501- 1,000	1,001- 1,500	1,501- 2,000	2,001- 2,500
1	Alaska-Yukon Pipelines Ltd.	—	1	—	—	—	—
2	Anglo-Canadian Oils Limited	1	—	—	—	—	—
3	B-A Saskatchewan Pipe Line Limited	—	1	—	—	—	—
4	Britamoll Pipe Line Company Limited	—	1	—	1	1	—
5	Federated Pipe Lines Ltd.	—	—	—	—	—	—
6	Goliad Oil & Gas Company	1	—	—	—	—	—
7	Green River Exploration Company Limited	1	—	—	—	—	—
	Home Oil Company Limited:						
8	Cremona Pipe Line Division	1	—	—	—	—	—
	Hudson's Bay Oil and Gas Company Limited:						
9	Rangeland Pipe Line Division	1	—	—	—	—	—
10	Windfall System	1	—	—	—	—	—
	Imperial Oil Limited:						
11	Sarnia Products Pipe Line	—	—	—	—	1	—
12	Interprovincial Pipe Line Company	1	1	—	1	—	—
13	Montreal Pipe Line Company Limited	—	—	—	—	—	—
14	Nisku Products Pipe Line Company Limited	—	—	—	—	—	—
	Panoll Limited:						
15	Edmonton Pipe Line Division	1	1	—	—	—	—
16	Peace River Oil Pipe Line Co. Ltd.	1	1	—	—	—	—
17	Pembina Pipe Line Ltd.	—	—	—	—	—	—
	Royalite Oil Company Limited:						
18	Mid-Saskatchewan Pipe Line Dept.	1	—	—	—	—	—
19	Valley Pipe Line Dept.	—	1	—	—	—	—
20	Saskatoon Pipe Line Company Limited	—	—	1	—	—	—
21	South Saskatchewan Pipe Line Company	—	1	—	—	1	—
22	Sun-Canadian Pipe Line Company Limited	—	—	4	—	—	—
	Texaco Exploration Company:						
23	Pipe Line Dept.	—	4	—	—	—	—
24	Trans Mountain Oil Pipe Line Company	—	—	—	—	—	—
25	Trans-Northern Pipe Line Company	—	2	2	7	1	1
26	Westspur Pipe Line Company	1	—	—	1	1	1
27	Winnipeg Pipe Line Company Limited	—	1	1	—	—	—
28	Yukon Pipelines Limited	1	—	—	—	—	—
29	Canada, 1960	12	15	8	10	5	2
30	Canada, 1959	10	14	6	10	5	2

TABLE 7. Pumping Stations on Trunk Lines by Company and Rated Horsepower, as at December 31, 1960

Rated horsepower							Totals			No.
2,501- 3,000	3,001- 4,000	4,001- 5,000	5,001- 6,000	6,001- 8,000	8,001- 10,000	over 10,000	Stations	Horsepower 1960	Horsepower 1959	
-	-	-	-	-	-	-	1	298	298	1
-	-	-	-	-	-	-	1	100	100	2
-	-	-	-	-	-	-	1	375	375	3
-	-	-	-	-	-	-	3	3,150	3,150	4
-	-	-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	1	50	50	6
-	-	-	-	-	-	-	1	180	180	7
-	-	-	-	-	-	-	1	60	60	8
-	-	-	-	-	-	-	1	115	115	9
-	-	-	-	-	-	-	1	100	-	10
2	-	-	-	-	-	-	3	7,400	7,400	11
-	-	1	2	2	2	5	15	106,930	93,780	12
-	-	-	1	1	-	-	2	11,415	11,415	13
-	-	-	-	-	-	-	-	-	-	14
-	-	-	-	-	-	-	2	310	310	15
-	-	-	-	-	-	-	2	591	591	16
-	-	1	-	-	-	-	1	4,350	4,350	17
-	-	-	-	-	-	-	1	135	135	18
-	-	-	-	-	-	-	1	370	370	19
-	-	-	-	-	-	-	1	600	600	20
-	-	-	-	-	-	-	2	2,345	2,345	21
-	-	-	-	-	-	-	4	3,100	1,600	22
-	-	-	-	-	-	-	4	1,200	1,200	23
-	2	2	2	4	-	-	10	61,000	61,000	24
-	-	-	-	-	-	-	13	15,650	15,200	25
-	-	-	-	-	-	-	4	5,550	5,550	26
-	-	-	-	-	-	-	2	1,300	1,300	27
-	-	-	-	-	-	-	1	132	132	28
2	2	4	5	7	2	5	79	226,806		29
2	2	4	5	5	2	5	72		211,606	30

TABLE 8A. Engineering and Operating Statistics, 1960
Trunk Systems

Company	Section		Barrels per day		Barrel miles during year	Oil held in pipe line inventories December 31, 1960	
	From	To	Average	Rated capacity		Pipe line fill	Total inventory ¹
Alaska-Yukon Pipelines Ltd.	Fairbanks	Whitehorse	658	1,000	6,551,931	5,230	5,230
Anglo Canadian Oils Limited	Souris Junction	Refinery	2,750	4,800	14,300,000	1,286	15,244
B-A Saskatchewan Pipe Line Limited	Stony Beach	Moose Jaw	12,048	38,000	99,047,363	6,351	35,416
Britam Oil Pipe Line Company Limited	Drumheller	Edmonton	43,952	60,000	1,513,249,867	106,820	133,457
Federated Pipe Lines Ltd.	Swan Hills	Edmonton	19,654	38,500	884,840,106	165,036	196,301
Goliad Oil & Gas Company	Pembina	Fracture Plant	1,122	10,000	18,060,842	8,268	13,521
Green River Exploration Company Limited ..	Bonnie Glen		957	3,660	4,230,000	2,413	2,413
Home Oil Company Limited:							
Cremona Pipe Line Division	Sundre	Calgary	11,825	18,000	258,590,000	23,299	23,299
Hudson's Bay Oil and Gas Company Limited:							
Rangeland Pipe Line Division	Sundre	Rimbey	22,672	70,000	278,979,570	51,166	51,166
Windfall System	Windfall	Bickerdyke	1,617	20,000	27,323,090	59,635	63,801
Imperial Oil Limited:							
Sarnia Products Pipe Line	Sarnia	Toronto	45,657	76,000	2,584,000,000	163,191	215,171
Interprovincial Pipe Line Company ²	Redwater	Edmonton		96,000			
	Edmonton	Border Alta./Sask.		328,500			
	Border Alta./Sask.	Pegina		328,500			
	Regina	Border Sask./Man.	1,322,891	327,100	63,523,288,000	4,013,531	5,248,444 ³
	Border Sask./Man.	Cromer		327,100			
	Cromer	International Border		428,000			
	International Border	Sarnia		333,500			
	Sarnia	Port Credit		121,000			
Montreal Pipe Line Company Limited	Highwater	Montreal	216,312	272,000	5,585,400,000	176,210	176,210
Nisku Products Pipeline Company Limited ..	Devon	Edmonton	2,015	...	14,408,882	2,009	2,009
Pam Oil Limited:							
Edmonton Pipe Line Division	Camrose	Edmonton	9,253	15,000	279,396,315	9,544	10,812
Peace River Oil Pipe Line Co. Ltd.	Valleyview	Edson	15,381	20,000	505,211,139	102,706	219,612
Pembina Pipe Line Ltd.	Pembina	Edmonton	110,160	133,000	2,804,954,000	91,804	46,088
Royalite Oil Company Limited:							
Mid-Saskatchewan Pipe Line Dept.	Coleville	Ermine	7,585	25,000	57,771,078	9,382	13,901
Valley Pipe Line Dept.	Turner Valley	Calgary	1,826	24,000	20,809,106	7,914	7,914
Saskatoon Pipe Line Company Limited	Milden	Saskatoon	5,451	6,000	113,513,338	11,085	38,725
South Saskatchewan Pipe Line Company	Cantuar	Regina	33,204	50,000	1,907,400,000	194,444	342,408
Sun-Canadian Pipeline Company Limited	Sarnia	Toronto	20,150	23,000	1,179,800,000	71,463	71,463
Texaco Exploration Company:							
Pipe Line Dept.	Rimbey	Edmonton	48,754	90,000	1,541,734,778	100,804	149,647
Trans Mountain Oil Pipe Line Company	Edmonton	Vancouver	226,286	250,000	27,709,707,612	2,501,471	3,801,981
Trans-Northern Pipe Line Company	Montreal	Hamilton and Toronto	428,371	920,000	4,726,372,721	226,000	226,000
Westspur Pipe Line Company	Midale	Cromer	261,861	574,000	2,685,155,273	185,175	220,439
Winnipeg Pipe Line Company Limited	Gretna	Winnipeg	28,193	39,000	741,700,600	41,119	41,119
Yukon Pipelines Limited	Summit B.C.	Whitehorse Y.T.	708	2,490	23,450,994	6,854	41,474
Total Canada					119,109,246,605³	8,344,210	11,808,265

¹ Oil held in lines and tanks by shippers and carriers.² Canadian system only. Canadian oil held in bond in U.S.A. amounted to 6,059,936 barrels.³ Equivalent ton miles 17,140,986,651.

TABLE 8B. Engineering and Operating Statistics, 1960
Gathering Systems

	Oil field	Daily average	Oil held in pipe line inventories, December 31, 1960	
			Pipe line fill	Total inventory ¹
		barrels		
British Columbia:				
Trans-Prairie Pipelines Limited	Boundary Lake to Taylor	2,132		
	Taylor to Dawson Creek	539	9,504	9,504
Total British Columbia		2,671	9,504	9,504
Alberta:				
Amurex Oil Company	Cessford	402	850	850
Anglo American Exploration Ltd.	Turner Valley	452		
B-A Alberta Pipe Line Limited	Redwater	5,491	2,918	2,918
Britamoil Pipe Line Company Limited ..	Malmo, New Norway, Duhamel, Dried Meat Area, Stettler, Erskine Clive, Joffre, Joffre North, Stettler South, Fenn-Big Valley, Drumheller, West Drumheller, Wayne, Rosebud, Hussar	43,020	25,254	25,254
Devon-Palmer Oils Ltd.	Chauvin	371	4,829	4,829
Federated Pipe Lines Ltd.	Swan Hills	13,316		
	Deer Mountain	207		
	Judy Creek	2,649		
	Carson Creek	828		
	Virginia Hills	2,534		
	Judy Creek West	123	37,306	37,306
Gibson Associated Oils Ltd.	Bellshill Lake	2,826	4,174	11,467
Gibson Crude Oil Purchasing Co. Ltd. ..	Rimbey	1,042		
	St. Albert	174	1,308	2,047
Gibson Petroleum Company Limited	Normandville	460		
	Hamilton Lake	225	589	1,482
Gelrud Oil & Gas Company	Pembina	4,781	4,138	4,138
Home Oil Company Limited: Cremona Pipe Line Division	Sundre	20		
	Westward Ho	1,205		
	Harmatton Elkton	3,857		
	Harmatton East	3,978		
	Crossfield	1,386	5,511	5,511
Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division	Bentley, Gilby, Joffre, Mayton, Penhold, Red Deer, Wimborne	10,959		
	Sundre	2,273		
	Garrington	1,069		
	Medin	100		
	Eckville	11		
	Dickson, Ferrier, Rocky Mountain House and others	362		
	Innisfail	6,156		
	Gilby, Gabriel Lake, Medicine River	879	14,639	15,306
The Imperial Pipe Line Company Limited ..	Leduc-Woodbend Area	47,314		
	Redwater Area	29,390		
	Excelsior Area	1,316		
	Fairydell-Peavey Area	1,067	64,013	64,452
Peace River Oil Pipe Line Co. Ltd.	Kaybob	5,293		
	Little Smokey	175		
	Simonette	868		
	Sturgeon Lake	1,448		
	Sturgeon Lake South	7,485	27,599	27,599
Pembina Pipe Line Ltd.	Pembina	108,049		
	Willesden Green	2,060	100,787	100,787
Royalite Oil Company Limited: Valley Pipe Line Dept.	Turner Valley	4,050	4,469	6,084
Texaco Exploration Company: Pipe Line Dept.	Calmar and Glen Park	681		
	Wizard Lake	6,310		
	Bonnie Glen	17,174	7,507	7,507
Total Alberta		453,945	305,889	317,537

¹ Includes oil held in lines and tanks.

TABLE 8B. Engineering and Operating Statistics, 1960 - Continued
Gathering Systems

	Oil field	Daily average	Oil held in pipe line inventories, December 31, 1960	
			Pipe line fill	Total inventory ¹
		barrels		
Saskatchewan:				
Key Pipe Line Co. Ltd.	Wapella	646	5,896	5,896
Producers Pipelines Ltd.	Midale	3,996		
	Steelman	16,099		
	Alida	6,884		
	Glen Ewen	11,338		
	Viewfield	744		
	Alameda	1,193		
	W. Kingsford	445		
	S. Ingoldsby	1,180	53,888	55,379
Royalite Oil Company Limited	Smiley	2,592		
	Eureka	556		
	South Eureka	303		
	Gleneath	68		
	Coleville	1,374	933	933
South Saskatchewan Pipe Line Company	Fosterton, Success, Battrum, Gull Lake, Dollard, Instow, N.E. Midway, N. Premier, Cantuar, Bone Creek	33,087	69,344	70,470
Trans-Prairie Pipe Lines Limited	Weyburn, Halbrite	29,393	9,504	9,504
Westpur Pipe Line Company	Midale	10,024		
	Steelman	18,624		
	Frosbisher	4,288		
	Alida	16,452	Included in trunk	3,087
Total Saskatchewan		159,286	139,585	145,269
Manitoba:				
Trans-Prairie Pipe Lines Limited	Daly	2,165		
	Woodnorth and East Cromer	193		
	Virden-Roselea	9,943		
	Cromer Terminal	824	29,092	29,092
Total Manitoba		13,125	29,092	29,092
Total Canada		629,027	484,050	501,402

¹ Includes oil held in lines and tanks.

TABLE 9. Property Account of Oil Pipe Line Transport Industry as at December 31, 1960

	Total at December 31, 1959	Gross additions during 1960	Retirements during 1960	Other changes during 1960	Total at December 31, 1960	Total interprovincial companies	Total intraprovincial companies
Land and rights-of-way	6,045,365	148,256	27,517	(79,190)	6,086,914	3,954,492	2,132,422
Pipe line and pipe line fittings	343,565,280	16,436,189	344,158	(2,455,714)	357,201,597	232,502,931	124,698,666
Buildings	22,194,653	343,058	286,791	2,951	22,253,871	18,896,533	3,357,338
Pumping equipment	30,811,809	1,585,794	362,947	(148,374)	31,886,282	22,038,480	9,847,802
Oil tanks	17,203,234	304,894	63,311	(208,548)	17,236,269	13,777,998	3,458,271
Other property and equipment	48,856,325	4,392,919	909,912	(1,476,980)	50,860,352	45,220,360	5,639,992
Total at cost	468,676,666	23,211,110	1,994,636	(4,367,855)	485,525,285	336,390,794	149,134,491
Depreciation	94,843,061	—	—	—	108,338,312	79,342,930	28,995,382
Total property account	373,833,605	—	—	—	377,186,973	257,047,864	120,139,109

TABLE 10. Assets and Liabilities of Oil Pipe Line Transport Industry, 1960 and 1959^f

	1960			1959 ^f
	Interprovincial companies	Intraprovincial companies	Total	Total
	dollars			
Assets				
Current assets:				
Cash on hand and in bank	811,015	1,879,297	2,690,312	3,553,499
Special deposits — bondholders, trustees, etc.	863,316	1,968,875	2,832,191	6,941,932
Accounts receivable	8,902,491	6,130,049	15,032,540	13,558,378
Inventories:				
Crude oil at market price	667,304	337,168	1,004,472	781,294
Materials and supplies	2,184,344	611,124	2,995,468	3,743,840
Other current assets	20,954,840	522,184	21,477,024	21,362,407
Total current assets	34,383,310	11,648,697	46,032,007	49,941,350
Investments	75,771,407	12,064,025	87,835,432	103,269,866
Fixed assets:				
Carrier system and other physical property at cost	336,390,794	149,134,491	485,525,285	468,676,666
Less accrued depreciation	79,342,930	28,995,382	108,338,312	94,843,061
Total property account	257,047,864	120,139,109	377,186,973	373,833,605
Operating oil supply	640,692	1,738,443	2,379,135	2,058,788
Total fixed assets	257,688,556	121,877,552	379,566,108	375,892,393
Other assets and deferred charges	541,984	1,904,680	2,446,664	1,749,102
Total assets	368,385,257	147,494,954	515,880,211	530,852,711
Liabilities				
Current liabilities:				
Accounts payable and accrued	8,965,755	5,255,218	14,220,973	16,616,818
Loans and notes payable	—	9,815,954	9,815,954	6,400,599
Interest accrued	2,860,448	796,332	3,656,780	4,035,275
Other current liabilities	3,405,641	3,236,601	6,642,242	8,036,818
Total current liabilities	15,231,844	19,104,105	34,335,949	35,089,510
Long term debt	223,060,490	65,146,125	288,206,615	305,238,208
Deferred credits and reserves	23,823,849	4,886,819	28,710,668	25,923,881
Capital stock and surplus:				
Capital stock issued	27,288,097	21,895,932	69,184,029	66,144,833
Capital surplus	19,383,042	13,933,345	33,316,387	35,479,963
Earned surplus	39,597,935	22,528,628	62,126,563	62,976,316
Total liabilities	368,385,257	147,494,954	515,880,211	530,852,711

TABLE 11. Income Account of Oil Pipe Line Transport Industry as at December 31, 1960

	1960			1959
	Interprovincial companies	Intraprovincial companies	Total	Total
	dollars			
Operating revenues:				
Transportation revenue:				
From gathering operations.....	744,075	13,888,492	14,632,567	14,314,560
From trunk line operations.....	55,253,993	18,307,803	73,561,796	67,592,464
Other operating revenue.....	3,941,468	2,073,504	6,014,972	5,156,963
Total operating revenues.....	59,939,536	34,269,799	94,209,335	87,063,987
Operating expenses:				
Maintenance:				
Superintendence.....	278,667	162,343	441,010	478,504
Cost of repairs.....	2,378,867	1,164,593	3,543,460	3,306,124
Other maintenance expenses.....	—	174,308	174,308	182,741
Total maintenance.....	2,657,534	1,501,244	4,158,778	3,967,369
Transportation:				
Superintendence.....	294,042	375,096	669,138	722,293
Operation of pipe lines.....	471,887	2,636,488	3,108,375	2,636,903
Operation of pumping stations, oil tanks and other facilities.....	4,541,536	1,390,955	5,932,491	5,864,933
Other transportation expenses.....	123,486	286,551	410,037	521,588
Total transportation.....	5,430,951	4,689,090	10,120,041	9,745,717
General office:				
General office salaries.....	1,399,308	1,203,905	2,603,213	2,697,227
Office supplies and expenses.....	549,911	598,207	1,148,118	1,001,041
Other office expenses including municipal taxes.....	3,419,296	1,118,083	4,537,379	4,044,710
Total general office expenses.....	5,368,515	2,920,195	8,288,710	7,742,978
Other operating expenses.....	—	359,075	359,075	374,279
Total operating expenses.....	13,457,000	9,469,604	22,926,604	21,830,343
Net revenue from operations.....	46,482,536	24,800,195	71,282,731	65,233,644
Interest and dividend income.....	3,775,554	637,820	4,413,374	3,543,890
Other income.....	1,093,001	90,269	1,183,270	1,668,745
	51,351,091	25,528,284	76,879,375	70,446,279
Depreciation.....	11,502,309	6,269,713	17,772,022	17,232,401
Interest on long term debt.....	9,263,904	3,464,991	12,728,895	12,844,056
Amortization.....	60,325	89,650	149,975	148,670
Other deductions.....	1,379,171	160,896	1,540,067	273,381
	22,205,709	9,985,250	32,190,959	30,498,508
Net income before income tax.....	29,145,382	15,543,034	44,688,416	39,947,771
Provision for income tax.....	14,549,375	6,636,764	21,186,139	18,961,825
Net income after income tax.....	14,596,007	8,906,270	23,502,277	20,985,946

TABLE 12. Employees and Earnings in Oil Pipe Line Transport Industry, 1960 and 1959

	1960			1959		
	Average number employed	Total earnings	Average annual earnings per employee	Average number employed	Total earnings	Average annual earnings per employee
	dollars					
Yukon Territory.....	24	132,202	5,508	—	—	—
British Columbia.....	162	1,116,162	6,890	159	1,097,983	6,906
Alberta.....	708	4,318,975	6,100	728	4,304,647	5,913
Saskatchewan.....	279	1,683,440	6,034	283	1,609,983	5,689
Manitoba.....	104	623,884	5,999	104	588,873	5,662
Ontario.....	208	1,393,849	6,701	219	1,358,398	6,203
Quebec.....	60	370,400	6,173	66	391,411	5,930
Totals.....	1,545	9,638,912	6,239	1,559	9,351,295	5,998
General office.....	141	1,615,322	11,456	128	1,476,355	11,534
Clerical.....	215	851,351	3,960	229	904,034	3,946
Supervisory and occupational.....	789	5,006,445	6,345	793	4,838,554	6,102
Wage-earners.....	400	2,165,794	5,414	409	2,132,352	5,214
Totals.....	1,545	9,638,912	6,239	1,559	9,351,295	5,998

GLOSSARY OF TERMS

Receipts

The oil received by the pipe line company as gauged or metered and reported by the responding company. Receipts may be of several categories: receipts from fields which may be from batteries or wellheads; from processing plants (plants which process natural gas and recover liquid hydrocarbon); imports metered at the United States borders; receipts from refineries.

Deliveries

Deliveries are the oil volumes measured at the points of delivery either at the refinery, at the border, at the truck or rail loading terminal, and at the refinery or bulk plant terminal.

Transfers

Are the movements of petroleum between two different pipe line companies.

Inventory and Other Changes

Are the changes of oil held by the pipe lines in their system either in the lines or in the tanks and include changes of oil held by Canadian pipe line systems in the United States.

Deliveries to Other Carriers U.S.A.

Are deliveries of Canadian oil held in bond in U.S.A. to tanker loading facilities on the Great Lakes for return to Canada.

Pipe Line Fuel Losses and Unaccounted for

Is a residual item which includes the fuel used by the pipe line pumping stations, oil lost due to pipe line handling, and other losses which cannot be accounted for.

Crude Oil

A naturally occurring liquid hydrocarbon.

Liquefied Petroleum Gases

Naturally occurring gaseous hydrocarbons which liquefy only under conditions of increased pressure and/or decreased temperature. The main com-

ponents are propane and butane. Liquefied refining gases are the equivalent of the above produced in refineries.

Petroleum Products

Are all products resulting from the processing of crude petroleum in the refining operation, including liquefied refinery gases.

Pipe Line Systems

Are the various types of pipe lines and ancillary facilities such as pumping stations, including both gathering and/or trunk lines.

Transportation Sectors

(a) Gathering lines: usually a small diameter pipe operating within oil fields and carrying the oil from the wellhead or battery to common collecting point or points.

(b) Trunk lines: pipe lines generally of larger diameter running from the common collecting point or points in fields to refineries, other pipe line systems or to termination points such as bulk plants, truck and rail loading facilities, etc. The trunk lines may be likened to intercity movements to truck and rail.

Net Receipts

The unduplicated receipts of all pipe line companies in Canada.

Net Deliveries

The unduplicated deliveries of all pipe lines in Canada.

Gross receipts and deliveries

The receipts or deliveries of all pipe line companies in Canada including intercompany transfers.

Definitions of the financial accounts may be found in "Uniform Classification of Accounts for Oil Pipe Line Companies", published by the National Energy Board.

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