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OIL PIPE LINE TRANSPORT

September, 1960

Net deliveries of oil through Canadian pipe lines during September, 1960 declined 3.0 p.c. to a total of 25,029,945 barrels from 25,803,162 in the same month last year. The daily average delivery was 834,332 barrels, a decrease of 25,773 barrels from the 860,105 reported one year earlier. Barrel miles dropped to 9,255 million from 10,353 million and the average length of haul to 246.9 miles from 268.9 recorded in September, 1959.

Net deliveries for the nine-month period ended September 30, 1960 amounted to 238,472,089 barrels, 3.5 p.c. above the 230,440,073 reported for the same period last year. Provincial deliveries, in barrels, for January-September were as follows (1959 data in brackets): Yukon Territories 229,658 (1959 data not available); British Columbia 31,760,631 (26,693,740); Alberta 17,508,448 (16,637,221) Saskatchewan 14,027,267 (14,427,531); Manitoba 80,285,641 (75,467,061); Ontario 35,433,859 (33,530,644), and Quebec 59,226,595 (63,683,876). Included in Manitoba deliveries were 71,982,411 barrels (67,309,736) transferred to the Lakehead Pipe Line Company at Gretna, the bulk of which moved through the United States destined to Ontario refineries. Exports via pipe line are shown in a footnote to Table 4.

During the month of September gathering systems handled an average of 521,011 barrels per day as compared with 533,984 barrels per day in the previous year and 500,712 barrels in August, 1960. Trunk lines handled 1,249,711 barrels per day, a decrease of 2.7 p.c. below the September, 1959 average of 1,283,982 barrels per day.

Net receipts for the month of September at 24,883,669 barrels were down 3.2 p.c. from the total of 25,702,618 recorded one year earlier. Comprising the month's receipts were 10,447,379 barrels of Alberta crude and 32,788 barrels of natural gasoline, 4,222,592 barrels of Saskatchewan crude, 431,400 barrels of Manitoba crude 5,860,727 barrels of imported crude and 3,888,783 barrels of refinery products.

Although the number of employees decreased to 1,562, the lowest September employment since 1955, salaries and wages increased by \$31,700 over September 1959 to a total of \$820,136.

Operating revenues for the nine-month period increased 9.0 p.c. to \$70,919,576 from \$65,062,612 one year earlier.

Revenue and employee data for the Anglo American Exploration, Ltd., Goliad Oil and Gas Company and the Sarnia Products Pipe Line Division of Imperial Oil Ltd., are not available for this report as the pipe line operation forms only a part of the activities of these companies and is not separable. For the same reason revenue data of the Alaska-Yukon Pipelines Ltd., and employee data of the Amurex Oil Company, Anglo-Canadian Oils Limited, Key Pipe Line Co. Ltd., Nisku Products Pipe Line Company Limited, Peace River Oil Pipe Line Co. Ltd., Royalite Oil Company Limited (Mid-Saskatchewan Pipe Line Dept. and Valley Pipe Line Dept.) and Westspur Pipe Line Company have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

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Net totals given in Table 6 exceed those in Tables 1 and 2 because of duplications resulting from inter-company transfers of oil. These differences are accounted for in the following table.

	Barrels
Total Received into Systems - all companies -	
January 1 to September 30, 1960 per table 6.....	399,819,475
Received into Trunk Lines from other Canadian Pipe Lines.....	161,886,325
"Net Received" into Canadian Pipe Line Systems.....	237,933,150
"Net Received" into Trunk Systems per table 1.....	100,955,062
"Net Received" into Gathering Systems per table 2.....	136,978,088
Total Delivered out of Systems - all Companies -	
January 1 to September 30, 1960 per table 6.....	407,379,524
Delivered to other Canadian Pipe Lines.....	168,907,435
"Net Delivered" from Canadian Pipe Line Systems.....	238,472,089
"Net Delivered" from Trunk Systems per Table 1.....	231,671,052
"Net Delivered" from Gathering Systems per table 2.....	6,801,037

The fluctuations which occur in Shippers' and Carriers' balances monthly are accounted for by each company in a "monthly oil balance" statement. The oil balances have been tabulated for all companies for September and are given herewith:

OIL BALANCE - ALL COMPANIES - September, 1960

	Barrels	
Total Shippers' Balances - January 1, 1960.....	10,887,060	
Total Carriers' Balances - January 1, 1960.....	1,194,848	12,081,908
Received into Gathering Systems January 1 to September 30, 1960..	145,009,526	
Received into Trunk Systems January 1 to September 30, 1960.....	355,081,749	500,091,273
Total oil accountable for period.....		512,173,183
Delivered from Gathering Systems January 1 to September 30, 1960.	144,833,605	
Delivered from Trunk Systems January 1 to September 30, 1960.....	355,362,498	500,196,103
Balance to be accounted for January 1, to September 30, 1960..		11,977,080
Oil consumed as fuel and losses January 1 to September 30, 1960		227,228
Balance on hand - September 30, 1960.....		11,749,852
Total Shippers' Balances - September 30, 1960.....	10,335,130	
Total Carriers' Balances - September 30, 1960.....	1,414,722	

The Interprovincial Pipe Line Company operates almost 1,700 miles of line in Canada from Edmonton to the International border near Gretna, Manitoba. In addition to this, the company operates 166 miles of line which enters Canada from the United States at Sarnia and extends to Port Credit in Ontario. The Sun Pipe Line Company also operates lines across the St. Clair River from the United States to Sarnia. Oil delivered at Sarnia and other points in Ontario via Interprovincial's line would be a duplication of oil already reported on the western section of the line. For this reason and because of the limited nature of their operations, oil carried by these short sections is not included in Canadian oil pipe line statistics. However, the barrel mile performance of these sections has been included with the total barrel miles shown in tables five and six. A summary of oil delivered by these two lines is shown below.

Month	Interprovincial Pipe Line Company		Sun Pipe Line Company
	Crude Oil Delivered at		Crude and Refined Oil
	Sarnia	Clarkson, Port Credit and Trafalgar	Delivered at Sarnia
	Barrels	Barrels	Barrels
September 1959	4,482,981	1,742,478	146,078
August 1960	4,192,031	1,864,157	164,492
September 1960	3,862,569	1,792,634	158,574

TABLE 1

OIL^f CARRIED BY PIPE LINES - TRUNK

	September 1960	August 1960	September 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received* (2+3+4+5)</u>	37,170,760	37,585,480	38,406,822	355,081,749
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	10,112,459	9,770,082	9,975,749	92,240,362
3. Other pipe lines - Gathering	7,219,788	6,775,800	6,147,309	61,496,683
4. Trunk	9,692,607	10,090,077	11,845,085	100,389,642
5. <u>Net Received (6+7+8)</u>	10,145,906	10,949,521	10,438,679	100,955,062
6. Originating on own trunk lines	4,011,778	4,258,536	3,937,738	39,644,040
7. Received from foreign pipe line connections	5,875,069	6,477,867	6,279,629	59,395,778
8. Received from other carriers (rail & truck)	259,059	213,118	221,312	1,915,244
9. <u>Total Delivered* (10+11)</u>	37,491,335	37,761,843	38,519,454	355,362,498
10. Less: Delivered to other Canadian trunk lines	13,377,730	12,634,066	13,535,618	123,691,446
11. <u>Net Delivered (12+13+14)</u>	24,113,605	25,127,777	24,983,836	231,671,052
12. Terminated on own trunk lines	14,973,080	15,974,949	15,382,930	145,036,007
13. Delivered to foreign pipe line connections	9,090,190	9,103,645	9,540,596	86,093,574
14. Delivered to other carriers (truck, rail & water)	50,335	49,183	60,310	541,471

TABLE 2

OIL^f CARRIED BY PIPE LINES - GATHERING

	September 1960	August ^f 1960	September 1959	YEAR TO DATE ^f 1960
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	15,657,382	15,595,448	16,012,570	145,009,526
16. Less: Received from other gathering systems	919,619	1,010,610	748,631	8,031,438
17. <u>Net Received (18+19)</u>	14,737,763	14,584,838	15,263,939	136,978,088
18. Originating on own gathering system	14,489,306	14,328,513	14,934,096	134,517,754
19. Received from other carriers (rail & truck)	248,457	256,325	329,843	2,460,334
20. <u>Total Delivered* (21+22+23)</u>	15,630,330	15,522,080	16,019,522	144,833,605
Less: Delivered to other pipe lines -				
21. Own Trunk system	10,384,459	10,064,038	9,975,749	92,816,579
22. Other pipe lines	4,329,531	5,147,902	5,224,447	45,215,989
23. <u>Net Delivered (24+25)</u>	916,340	310,140	819,326	6,801,037
24. Terminated on gathering systems	843,344	242,852	687,881	5,810,366
25. Delivered to other carriers (rail & truck)	72,996	67,288	131,445	990,671

^f Includes natural gasoline and refinery products.

* Includes duplications.

^f Includes natural gasoline.

^r Contains revisions

TABLE 3

OIL CARRIED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT ORIGINATED

Province		September 1960	August ^r 1960	September 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
Yukon T. (1)	- Trunk	25,184	29,074	-	217,878
Alberta (2)	- Gathering	10,292,311	9,748,553	11,256,013	96,937,056
"	- Trunk	429,636	412,297	426,076	3,865,845
Saskatchewan	- Gathering	4,014,052	4,424,995	3,594,572	36,490,845
"	- Trunk	208,540	186,445	317,427	2,159,051
Manitoba	- Gathering	431,400	411,290	413,354	3,550,187
"	- Trunk	-	-	-	-
Ontario (1)	- Trunk	2,070,605	2,212,137	2,133,084	22,000,886
Quebec (3)	- Trunk	7,411,941	8,109,568	7,562,092	72,711,402
Net Received	- Gathering	14,737,763	14,584,838	15,263,939	136,978,088
" "	- Trunk	10,145,906	10,949,521	10,438,679	100,955,062
" "	- Total	24,883,669	25,534,359	25,702,618	237,933,150

TABLE 4

OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT TERMINATED
OR WAS TRANSFERRED TO OTHER CARRIERS

Province		September 1960	August 1960	September 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
Yukon T. (1)	- Trunk	34,815	29,857	-	229,658
British Columbia	- Trunk	3,653,069	2,419,938	3,947,038	31,760,621
Alberta (2)	- Gathering	890,523	287,790	746,883	6,216,260
"	- Trunk	1,181,679	1,936,383	938,986	11,292,188
Saskatchewan	- Gathering	25,817	22,350	72,443	584,777
"	- Trunk	1,402,618	1,668,758	1,579,706	13,442,490
Manitoba ^b	- Trunk	8,377,617	8,765,694	8,848,226	80,285,641
Ontario (1)	- Trunk	3,616,589	3,832,036	3,419,085	35,433,859
Quebec	- Trunk	5,847,218	6,475,111	6,250,795	59,226,595
Net Delivered	- Gathering	916,340	310,140	819,326	6,801,037
" "	- Trunk ^f	24,113,605	25,127,777	24,983,836	231,671,052
" "	- Total	25,029,945	25,437,917	25,803,162	238,472,089
" "	- Daily average	834,332	820,578	860,105	870,336
^b	Includes deliveries to U.S. pipe lines, Grctna, Man.	7,406,336	7,758,497	7,923,322	71,982,411
^f	Includes exports -				
	via Trans Mountain Oil Pipe Line Company	1,683,854	1,345,148	1,617,274	14,111,163
	via Interprovincial Pipe Line Company	1,400,676	1,626,841	1,400,957	17,004,666

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		September 1960	August 1960	September 1959	YEAR TO DATE 1960
Barrels Handled - Daily Average					
Gathering Systems	Barrels	521,011	500,712	533,984	528,589
Trunk Lines	"	1,249,711	1,218,124	1,283,982	1,296,943
Total Barrel Miles (Trunk Lines)	Millions	9,255	9,192	10,353	90,790
Average Miles Per Barrel (Trunk Lines)	Miles	246.9	243.4	268.9	252.7
Employees and Earnings (6)					
Average Number (4)	No.	1,562	1,596	1,592	1,565
Total Salaries and Wages	\$	820,136	831,115	788,436	7,221,260
Man-Hours Worked by Wage Earners (5) (6)	Hours	71,671	71,203	74,768	634,306

(1) Products of refineries.

(2) Includes natural gasoline and some refinery products.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Amurex Oil Company; Anglo American Exploration Ltd.; Anglo-Canadian Oils Limited; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Co., Ltd.; Royalite Oil Co. Ltd. (Mid-Saskatchewan Pipe Line Dept. and Valley Pipe Line Dept.) and Westspur Pipe Line Company.

(r) Contains revisions.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES
September, 1960

	Imperial Pipe Line Company, Ltd.	Inter- provincial Pipe Line Company	Montreal Pipe Line Company, Ltd.	Trans Mountain Oil Pipe Line Company	Pembina Pipe Line Ltd.	Other Pipe Lines (1)	Total
				- Barrels -			
TRAFFIC*							
<u>Total Received into System</u>							
This month September, 1960	2,036,492	9,954,372	5,860,727	3,626,823	3,392,032	(2) 16,925,618	41,796,064
This year (9 months)	22,253,277 ^r	98,159,775	59,222,379	31,637,445	30,253,350	(3) 158,293,249	399,819,475 ^r
<u>Total Delivered out of System</u>							
This month September, 1960	2,074,992	10,225,734	5,847,218	3,653,069	3,410,841	(4) 17,525,352	42,737,206
This year (9 months)	22,642,004	98,099,407	59,226,595	31,760,621	30,361,371	(5) 165,289,526	407,379,524
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month September, 1960	69,166	-	-	-	113,207	338,638	521,011
This year (9 months)	82,635	-	-	-	110,232	335,723	528,590
<u>Trunk Lines</u>							
This month September, 1960	-	340,858	194,907	121,769	113,695	478,482	1,249,711
This year (9 months)	-	358,027	216,155	115,915	110,818	496,038	1,296,943
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month September, 1960	-	4,593	413	2,406	237	1,606	9,255
This year (9 months)	-	48,370	4,179	21,279	2,112	14,850	90,790
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month September, 1960	-	419.0	70.6	659.0	69.6	111.9	246.9
This year (9 months)	-	461.0	70.6	670.0	69.6	109.3	252.7
OPERATING REVENUES 1960							
				Dollars			
Three months ended Mar. 31	714,077	8,789,463	779,434	4,673,032	1,474,516	(6) 8,500,384	24,930,906
Six months " June 30	1,286,142	16,565,038	1,381,219	9,528,922	2,960,752	(6) 16,685,894	48,407,967
Nine months " Sept. 30	1,785,151	24,274,686	2,088,101	13,223,132	4,497,511	(6) 25,050,995	70,919,576
Twelve months " Dec. 31							
EMPLOYEES AND EARNINGS							
				Number			
Employees September, 1960	100	447	48	224	141	(7) 602	1,562
				Dollars			
This month September, 1960	53,143	237,284	25,796	127,851	69,491	(7) 306,571	820,136
This year (9 months)	500,942	2,079,077	231,140	1,113,625	614,423	(7) 2,682,053	7,221,260
<u>Man hours Worked by Wage Earners</u>				Hours			
This month September, 1960	9,298	-	5,577	3,200	12,655	(7) 40,941	71,671
This year (9 months)	94,816	2,752	54,659	12,006	114,709	(7) 355,364	634,306

* Totals include duplication between companies.

(1) See list of reporting companies on page 7.

(2) Includes 3,888,783 bbls. products and 32,788 bbls. natural gasoline.

(3) Includes 37,946,445 bbls. products and 358,520^r bbls. natural gasoline.

(4) Includes 3,757,708 bbls. products and 31,611 bbls. natural gasoline.

(5) Includes 36,670,244 bbls. products and 357,161 bbls. natural gasoline.

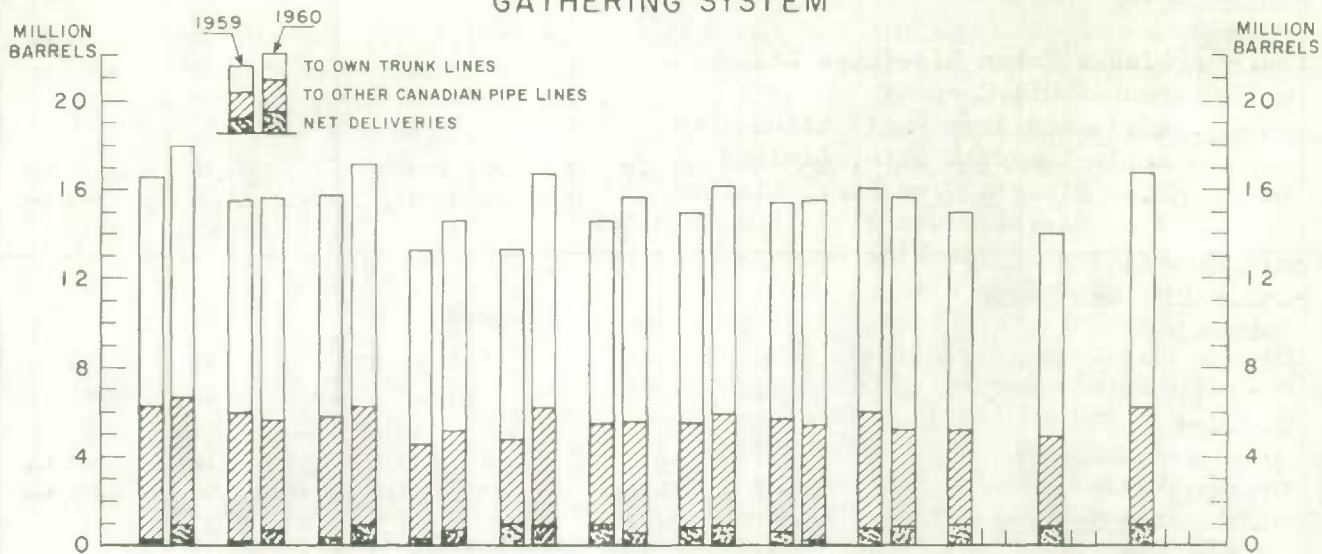
(6) Excludes Alaska-Yukon Pipelines, Ltd.; Amurex Oil Company; Anglo American Exploration, Ltd.; Goliad Oil and Gas Company; Green River Exploration Company Limited and Imperial Oil Limited, Sarnia Products Pipe Line.

(7) Excludes Amurex Oil Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Co., Ltd.; Royalite Oil Co. Ltd. (Mid-Saskatchewan Pipe Line Dept. and Valley Pipe Line Dept.) and Westspur Pipe Line Company.

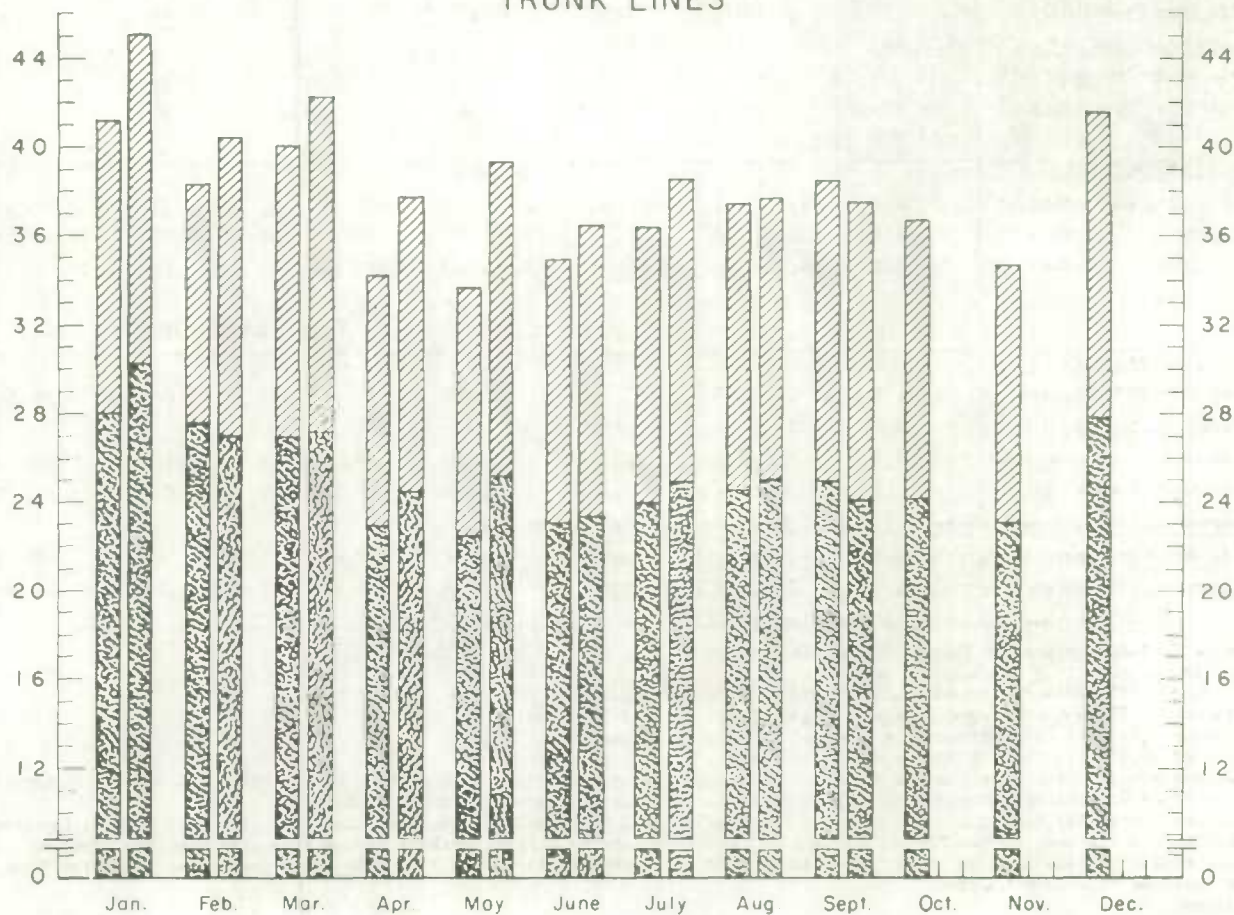
^r Revised

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1959 AND 1960

GATHERING SYSTEM



TRUNK LINES



List of Oil Pipe Lines Reporting

Alaska-Yukon Pipelines Ltd.
Amurex Oil Company
Anglo American Exploration, Ltd.
Anglo-Canadian Oils, Limited
B.A. Alberta Pipe Line, Limited
B.A. Saskatchewan Pipe Line, Limited
Britamoil Pipe Line Company, Limited
Devon-Palmer Oils, Ltd.
Edmonton Pipe Line Division of Pamoil Limited
Federated Pipe Lines, Ltd.
Gibson Associated Oil Company, Limited
Gibson Crude Oil Purchasing Company, Limited
Gibson Petroleum Company, Limited
Goliad Oil and Gas Company
Green River Exploration Company, Limited
Home Oil Company, Limited, Cremona Pipe Line Division
The Imperial Pipe Line Company, Limited
Imperial Oil Limited, Sarnia Products Pipe Line
Interprovincial Pipe Line Company
Key Pipe Line Co., Ltd.
Montreal Pipe Line Company, Limited
Nisku Products Pipe Line Company, Limited
Peace River Oil Pipe Line Co., Ltd.
Pembina Pipe Line, Ltd.
Producers Pipelines, Ltd.
Rangeland Pipeline Company Limited, Division of
Hudson's Bay Oil and Gas Co., Ltd.
Royalite Oil Company, Limited, Mid-Saskatchewan Pipe Line Dept.
Royalite Oil Company, Limited, Valley Pipe Line Dept.
Saskatoon Pipe Line Co., Ltd.
South Saskatchewan Pipe Line Company
Sun-Canadian Pipe Line Company, Ltd.
Sun Pipe Line Company
Texaco Exploration Company, Pipe Line Dept.
Trans Mountain Oil Pipe Line Company
Trans-Northern Pipe Line Company
Trans-Prairie Pipelines, Ltd.
Westspur Pipe Line Company
Winnipeg Pipe Line Company, Limited.
Yukon Pipelines Limited

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