



DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

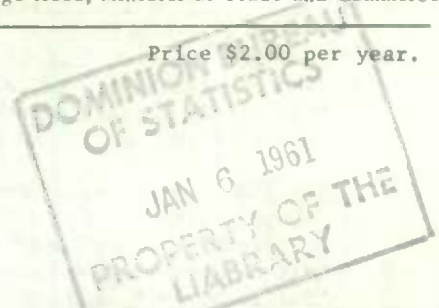
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OIL PIPE LINE TRANSPORT

October, 1960



With all major companies showing declines, net deliveries of oil through Canadian pipe lines in Canada dropped 12.2 p.c. during October to a total of 22,027,082 barrels from 25,097,633 in the previous year. The daily average delivery during the month under review was 710,551 barrels, a decrease of 143,545 barrels from the 854,096 reported for October 1959. Barrel miles declined to 7,928 million from 9,563 and the average length of haul to 237.5 from 260.5 one year previous.

Net deliveries for the ten-month period ended October 31, 1960 amounted to 260,499,171 barrels, an increase of 1.9 p.c. above the 255,537,706 recorded in October 1959. Provincial deliveries, in barrels, for January-October were as follows (1959 data in brackets): Yukon Territory 272,219 (1959 data not available); British Columbia 35,036,622 (29,986,605); Alberta 19,483,247 (18,693,917); Saskatchewan 15,006,289 (15,378,700); Manitoba 87,284,400 (84,062,942); Ontario 39,016,040 (37,354,866); Quebec 64,400,354 (70,060,676). Included in Manitoba deliveries were 77,957,614 barrels (75,020,713) 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.

Gathering systems handled an average of 461,059 barrels during October as compared with 480,368 one year earlier. Trunk lines handled 1,076,730 barrels per day, a decrease of 9.1 p.c. below the 1,184,321 reported one year earlier.

Net receipts for the month of October at 22,957,316 barrels were down 8.4 p.c. from the total of 25,051,087 in October, 1959. The month's receipts were composed of 9,553,463 barrels of Alberta crude and 38,556 barrels of Alberta natural gasoline, 3,947,660 barrels of Saskatchewan crude, 411,627 barrels of Manitoba crude, 5,139,693 barrels of imported crude and 3,866,317 barrels of refinery products.

Employees numbered 1,529 this October compared with 1,527 in the previous year, while salaries and wages increased slightly to \$807,927 from \$780,987.

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 Pipe Lines 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.

Prepared in the Public Utilities Section

Public Finance and Transportation Division.

8506-502-100

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.

	<u>Barrels</u>
Total Received into Systems - all companies -	
January 1 to October 31, 1960 per table 6.....	438,172,361
Received into Trunk Lines from other Canadian Pipe Lines.....	177,281,895
"Net Received" into Canadian Pipe Line Systems.....	260,890,466
"Net Received" into Trunk Systems per table 1.....	110,315,975
"Net Received" into Gathering Systems per table 2.....	150,574,491
Total Delivered out of Systems - all Companies -	
January 1 to October 31, 1960 per table 6.....	445,533,778
Delivered to other Canadian Pipe Lines.....	185,034,607
"Net Delivered" from Canadian Pipe Line Systems.....	260,499,171
"Net Delivered" from Trunk Systems per Table 1.....	252,786,874
"Net Delivered" from Gathering Systems per table 2.....	7,712,297

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 October and are given herewith:

OIL BALANCE - ALL COMPANIES - OCTOBER 31 - 1960

	<u>Barrels</u>	
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 October 31, 1960....	159,435,103	
Received into Trunk Systems January 1 to October 31, 1960.....	389,100,871	548,535,974
Total oil accountable for period.....		560,617,882
Delivered from Gathering Systems January 1 to October 31, 1960....	159,126,429	
Delivered from Trunk Systems January 1 to October 31, 1960.....	388,741,149	547,867,578
Balance to be accounted for January 1 to October 31, 1960.....		12,750,304
Oil consumed as fuel and losses January 1 to October 31, 1960..		250,346
Balance on hand - October 31, 1960.....		12,499,958
Total Shippers' Balances - October 31, 1960.....	11,029,970	
Total Carriers' Balances - October 31, 1960.....	1,469,988	

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 Delivered at Sarnia
	Sarnia	Clarkson, Port Credit and Trafalgar	
	Barrels	Barrels	Barrels
October, 1959	4,115,494	1,921,038	223,712
September, 1960	3,862,569	1,792,634	158,145
October, 1960	2,500,948	1,179,616	144,877

TABLE 1

OIL⁴ CARRIED BY PIPE LINES - TRUNK

	October 1960	September 1960	October 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
1. Total Received* (2+3+4+5)	34,019,122	37,170,760	36,689,788	389,100,871
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	9,262,639	10,112,459	9,654,281	101,503,001
3. Other pipe lines - Gathering	5,721,615	7,219,788	5,565,854	67,218,298
4. Trunk	9,673,955	9,692,607	10,506,247	110,063,597
5. Net Received (6+7+8)	9,360,913	10,145,906	10,963,406	110,315,975
6. Originating on own trunk lines	3,944,024	4,011,778	4,335,415	43,588,064
7. Received from foreign pipe line connections	5,173,892	5,875,069	6,417,257	64,569,670
8. Received from other carriers (rail & truck)	242,997	259,059	210,734	2,158,241
9. Total Delivered* (10+11)	33,378,651	37,491,335	36,713,973	388,741,149
10. Less: Delivered to other Canadian trunk lines	12,262,829	13,377,730	12,532,399	135,954,275
11. Net Delivered (12+13+14)	21,115,822	24,113,605	24,181,574	252,786,874
12. Terminated on own trunk lines	13,561,368	14,973,080	15,200,405	158,597,375
13. Delivered to foreign pipe line connections	7,504,090	9,090,190	8,931,257	93,597,664
14. Delivered to other carriers (truck, rail & water)	50,364	50,335	49,912	591,835

TABLE 2

OIL⁴ CARRIED BY PIPE LINES - GATHERING

	October 1960	September 1960	October 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	14,425,577	15,657,382	14,869,103	159,435,103
16. Less: Received from other gathering systems	829,174	919,619	781,422	8,860,612
17. Net Received (18+19)	13,596,403	14,737,763	14,087,681	150,574,491
18. Originating on own gathering system	13,343,897	14,489,306	13,822,621	147,861,651
19. Received from other carriers (rail & truck)	252,506	248,457	265,060	2,712,840
20. Total Delivered* (21+22+23)	14,292,824	15,630,330	14,891,421	159,126,429
Less: Delivered to other pipe lines -				
21. Own Trunk system	9,517,221	10,384,459	9,654,281	102,333,800
22. Other pipe lines	3,864,343	4,329,531	4,321,081	49,080,332
23. Net Delivered (24+25)	911,260	916,340	916,059	7,712,297
24. Terminated on gathering systems	851,938	843,344	796,596	6,662,304
25. Delivered to other carriers (rail & truck)	59,322	72,996	119,463	1,049,993

⁴ Includes natural gasoline and refinery products.

* Includes duplications.

⁴ Includes natural gasoline.

TABLE 3

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

Province		October 1960 Barrels	September 1960 Barrels	October 1959 Barrels	YEAR TO DATE 1960 Barrels
Yukon T (1)	- Trunk	51,819	25,184	-	269,697
Alberta (2)	- Gathering	9,415,687	10,292,311	10,156,103	106,352,743
"	- Trunk	433,594	429,636	428,315	4,299,439
Saskatchewan	- Gathering	3,769,089	4,014,052	3,526,469	40,259,934
"	- Trunk	178,571	208,540	299,418	2,337,622
Manitoba	- Gathering	411,627	431,400	405,109	3,961,814
"	- Trunk	-	-	-	-
Ontario (1)	- Trunk	2,276,814	2,070,605	2,469,359	24,277,700
Quebec (3)	- Trunk	6,420,115	7,411,941	7,766,314	79,131,517
Net Received	- Gathering	13,596,403	14,737,763	14,087,681	150,574,491
" "	- Trunk	9,360,913	10,145,906	10,963,406	110,315,975
" "	- Total	22,957,316	24,883,669	25,051,087	260,890,466

TABLE 4

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

Province		October 1960 Barrels	September 1960 Barrels	October 1959 Barrels	YEAR TO DATE 1960 Barrels
Yukon T (1)	- Trunk	42,561	34,815	-	272,219
British Columbia	- Trunk	3,276,001	3,653,069	3,292,865	35,036,622
Alberta (2)	- Gathering	896,430	890,523	846,009	7,112,690
"	- Trunk	1,078,369	1,181,679	1,210,687	12,370,557
Saskatchewan	- Gathering	14,830	25,817	70,050	599,607
"	- Trunk	964,192	1,402,618	881,119	14,406,682
Manitoba ^b	- Trunk	6,998,759	8,377,617	8,595,881	87,284,400
Ontario (1)	- Trunk	3,582,181	3,616,589	3,824,222	39,016,040
Quebec	- Trunk	5,173,759	5,847,218	6,376,800	64,400,354
Net Delivered	- Gathering	911,260	916,340	916,059	7,712,297
" "	- Trunk ^b	21,115,822	24,113,605	24,181,574	252,786,874
" "	- Total	22,027,082	25,029,945	25,097,633	260,499,171
" "	- Daily average	710,551	834,332	809,601	854,096
^b	Includes deliveries to U.S. pipe lines, Gretna, Man.	5,975,203	7,406,336	7,710,977	77,957,614
^b	Includes exports -				
	via Trans Mountain Oil Pipe Line Company	1,528,887	1,683,854	1,220,280	15,642,050
	via Interprovincial Pipe Line Company	1,569,379	1,400,676	1,654,512	18,574,045

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		October 1960	September 1960	October 1959	YEAR TO DATE 1960
Barrels Handled - Daily Average					
Gathering Systems	Barrels	461,059	521,011	480,368	521,726
Trunk Lines	"	1,076,730	1,249,711	1,184,321	1,274,561
Total Barrel Miles (Trunk Lines)	Millions	7,928	9,255	9,563	98,717
Average Miles Per Barrel (Trunk Lines)	Miles	237.5	246.9	260.5	253.9
Employees and Earnings (6)					
Average Number (4)	No.	1,529	1,562	1,527	1,562
Total Salaries and Wages	\$	807,927	820,136	780,987	8,029,187
Man-Hours Worked by Wage Earners (5) (6)	Hours	75,972	71,671	71,568	710,279

(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.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

	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
TRAFFIC*							
<u>Total Received into System</u>							
This month October, 1960	1,917,851	8,280,202	5,139,693	3,729,068	3,195,567	(2) 16,090,505	38,352,886
This year (10 months)	24,564,047	106,439,977	64,362,072	35,366,513	33,448,917	(3) 173,990,835	438,172,361
<u>Total Delivered out of System</u>							
This month October, 1960	1,889,307	8,286,484	5,173,759	3,276,001	3,013,609	(4) 16,515,094	38,154,254
This year (10 months)	24,531,311	106,385,891	64,400,354	35,036,622	33,374,980	(5) 181,804,620	445,533,778
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month October, 1960	60,945	-	-	-	101,996	298,118	461,059
This year (10 months)	80,431	-	-	-	109,395	331,900	521,726
<u>Trunk Lines</u>							
This month October, 1960	-	267,305	166,895	105,677	97,213	439,640	1,076,730
This year (10 months)	-	348,806	211,149	114,874	109,426	490,306	1,274,561
<u>Total Barrel Miles (Trunk Lines)</u>							
<u>in millions</u>							
This month October, 1960	-	3,721	365	2,186	210	1,446	7,928
This year (10 months)	-	52,091	4,544	23,465	2,322	16,295	98,717
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month October, 1960	-	425.0	70.6	667.0	69.6	106.1	237.5
This year (10 months)	-	458.0	70.6	670.0	69.6	109.0	253.9
OPERATING REVENUES 1960							
<u>Dollars</u>							
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							
<u>Number</u>							
Employees October, 1960	96	445	48	223	142	(7) 575	1,529
<u>Dollars</u>							
This month October, 1960	57,857	237,960	24,968	125,998	68,654	(7) 292,490	807,927
This year (10 months)	558,799	2,317,037	256,108	1,239,623	683,077	(7) 2,974,543	8,029,187
<u>Hours</u>							
This month October, 1960	10,420	320	5,805	1,885	12,100	(7) 45,442	75,972
This year (10 months)	105,236	3,072	60,464	13,891	126,809	(7) 400,807	710,279

* Totals include duplication between companies.

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

(2) Includes 3,866,317 bbls. products and 38,556 bbls. natural gasoline.

(3) Includes 41,812,762 bbls. products and 397,076 bbls. natural gasoline.

(4) Includes 3,750,562 bbls. products and 36,467 bbls. natural gasoline.

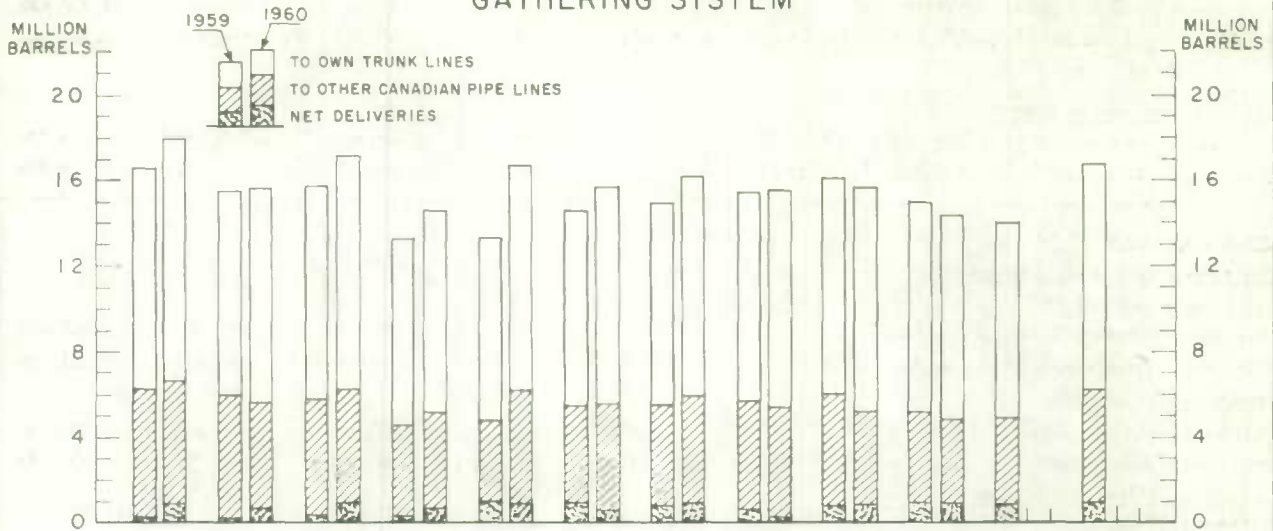
(5) Includes 40,420,806 bbls. products and 393,628 bbls. natural gasoline.

(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.

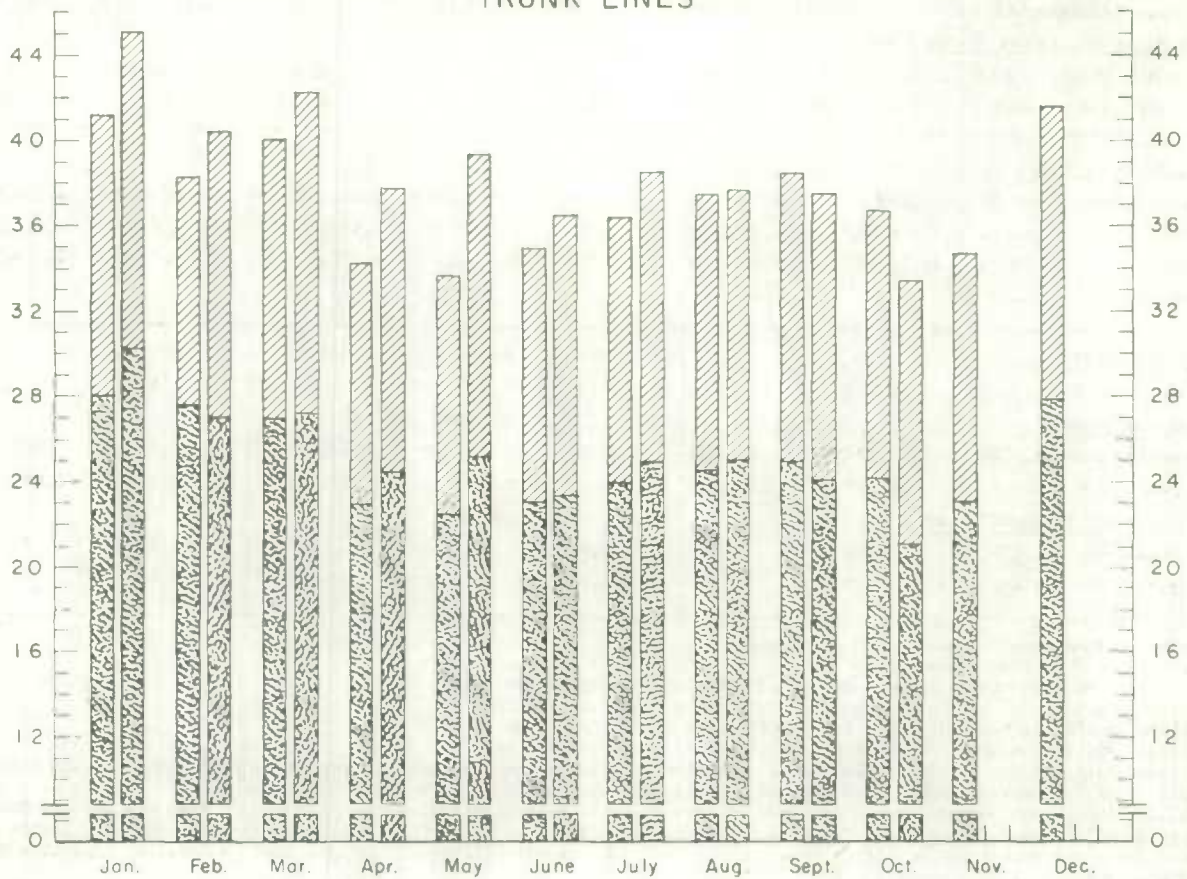
(7) Excludes Amurex Oil Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Co., Ltd.; Royalite Oil Co. Ltd.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

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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