

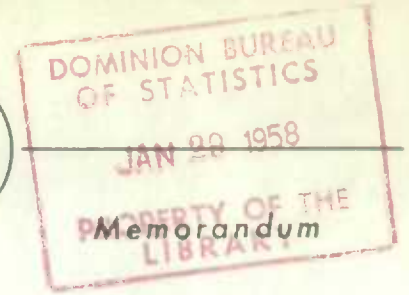
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PIPE LINES (OIL) STATISTICS

NOVEMBER, 1957

With all major companies showing decreases, net deliveries of oil from Canadian pipe lines dropped to the lowest monthly level in two years, at 20,884,697 barrels some 13.9 p.c. below the November 1956 total of 24,251,985 barrels and 8.1 p.c. below last month's 22,735,509 barrels. As compared with November 1956, barrel miles were down to 6,745 million from 9,933 and the average length of haul to 232.4 miles from 292.3. The November 1957 average length of haul was the lowest recorded since December 1952. Average daily net deliveries of 696,157 barrels compare with 808,400* in the same month a year ago and 733,404 in October this year. Factors contributing to the general decline in deliveries in recent months include a strike at one refinery, increased deliveries by tankers following reductions in rates and decreased exports.

For the eleven months ended November 30, net deliveries recorded an increase of 7.3 p.c. rising to a total of 266,949,982 barrels from 248,696,409 in the same period last year. Provincial deliveries for the period, in barrels, were as follows (1956 data in brackets): British Columbia, 53,311,921 (42,358,109); Alberta, 12,649,065 (16,754,697); Saskatchewan, 16,211,547 (15,249,771); Manitoba, 69,860,132 (66,015,603); Ontario, 40,033,590 (38,726,998); and Quebec, 74,883,727 (69,591,231). Exports via pipe line are shown in a footnote to table 4.

Net receipts during the month of November totalled 21,672,965 barrels, a decrease of 1,859,094 barrels, or 7.9 p.c., from the previous month, and down 3,217,194 barrels, or 12.9 p.c., from the 24,890,159 barrels reported one year ago. November receipts were comprised of 7,821,212 barrels of Alberta crude and 50,388 barrels of Alberta natural gasoline, 3,178,615 barrels of Saskatchewan crude, 442,457 barrels of Manitoba crude, 6,272,454 barrels of imported crude and 3,907,839 barrels of refinery products.

Gathering systems handled a daily average of 361,533 barrels as compared with 398,097 barrels last month, and 469,279 in November 1956. Trunk line deliveries declined to 967,402 barrels daily from 1,032,749 in the previous month, and 1,132,813 in the same month last year.

Although employment and wages registered a slight drop from the previous month both figures showed increases when compared with November 1956. The number of employees rose to 1,666 from 1,595 and salaries and wages to \$788,166 from \$716,244. The average wage was up 5.3 p.c. to \$473 from \$449.

Revenue and employee data for 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 company's activities and is not separable. For the same reason revenue and employee data of the pipe line operation of the Anglo American Exploration Company and employee data of the Amurex Oil Development Company, Key Pipe Line Company, Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Anglo-Canadian Oils, Ltd. and Valley Pipe Line Company, Ltd. have been omitted. Data of the activities of these companies have been included in all other applicable sections of the report.

* Revised.

Prepared in the Transportation and Public Utilities Section,
Public Finance and Transportation Division.

8504-508-11

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 - during first eleven months of 1957, per table 6	442,099,313
Received into Trunk Lines from other Canadian Pipe Lines	162,201,174
"Net Received" into Canadian Pipe Line Systems	275,898,139
"Net Received" into Trunk Systems per table 1	124,256,127
"Net Received" into Gathering Systems per table 2	151,642,012
 Total Delivered out of Systems - all companies - during first eleven months of 1957, per table 6	 440,447,677
Delivered to other Canadian Pipe Lines	173,497,695
"Net Delivered" from Canadian Pipe Line Systems	266,949,982
"Net Delivered" from Trunk Systems per table 1	264,877,539
"Net Delivered" from Gathering Systems per table 2	2,072,443

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 November, and are given herewith:

OIL BALANCE - ALL COMPANIES - NOVEMBER, 1957

	<u>Barrels</u>	
Total Shippers Balances - January 1, 1957	10,368,770	
Total Carriers Balances - January 1, 1957	730,708	11,099,478
Received into Gathering Systems January 1 to November 30, 1957	151,642,012	
Received into Trunk Systems January 1 to November 30, 1957	383,927,588	535,569,600
 Total oil accountable for period		546,669,078
Delivered from Gathering Systems January 1 to November 30, 1957	151,623,401	
Delivered from Trunk Systems January 1 to November 30, 1957	382,294,563	533,917,964
 Balance to be accounted for at November 30, 1957		12,751,114
Oil consumed as fuel and losses January 1 to November 30, 1957		574,251
Balance on hand - November 30, 1957		12,176,863
Total Shippers Balances - November 30, 1957	11,169,339	
Total Carriers Balances - November 30, 1957	1,007,524	

The Interprovincial Pipe Line Company operates over 1,500 miles of line in Canada from Edmonton to the International border near Gretna, Manitoba, along with 7 miles of 30 inch pipe coming into Canada across the St.Clair River at Sarnia. This short line has now been extended to Clarkson, 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 Clarkson 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 data for these short sections are not included in Canadian oil pipe line statistics. A summary of oil delivered by these two lines at Sarnia and Clarkson follows:

Month	Interprovincial Pipe Line Company		Sun Pipe Line Company
	Crude Oil Delivered at		Crude and Refined Oil Delivered at Sarnia
	Sarnia	Clarkson and Port Credit	
	Barrels	Barrels	Barrels
November, 1956	3,903,984	-	367,500
October, 1957	2,640,513	108,554	461,887
November, 1957	2,262,663	1,007,699	609,819

TABLE 1

OIL[/] CARRIED BY PIPE LINES - TRUNK

	November 1957	October 1957	November 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
1. Total Received * (2+3+4+5)	29,263,253	32,016,845	33,752,444	383,927,588
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	6,942,578	7,761,230	8,622,904	93,470,287
3. Other pipe lines - Gathering	4,610,714	4,804,252	3,976,273	51,541,962
4. Trunk	6,871,351	8,314,647	10,333,808	114,659,212
5. Net Received (6+7+8)	10,838,610	11,136,716	10,819,459	124,256,127
6. Originating on own trunk lines	4,256,830	3,714,854	3,976,859	44,781,694
7. Received from foreign pipe line connections	6,272,454	6,988,733	6,642,278	74,946,071
8. Received from other carriers (rail & truck)	309,326	433,129	200,322	4,528,362
9. Total Delivered * (10+11)	29,022,041	32,015,246	33,984,396	382,294,563
10. Less: Delivered to other Canadian trunk lines	8,292,837	9,484,677	9,928,671	117,417,024
11. Net Delivered (12+13+14)	20,729,204	22,530,569	24,055,725	264,877,539
12. Terminated on own trunk lines	14,209,671	14,053,881	14,895,866	171,597,776
13. Delivered to foreign pipe line connections	6,495,575	8,452,569	8,375,430	85,919,830
14. Delivered to other carriers (truck, rail & water)	23,958	24,119	784,429	7,359,933

TABLE 2

OIL⁶ CARRIED BY PIPE LINES - GATHERING

	November 1957	October 1957	^x November 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	10,834,355	12,395,343	14,070,700	151,642,012
16. Less: Received from other gathering systems	-	-	-	-
17. Net Received (18+19)	10,834,355	12,395,343	14,070,700	151,642,012
18. Originating on own gathering system	10,623,840	12,138,900	13,425,207	148,921,084
19. Received from other carriers (rail & truck)	210,515	256,443	645,493	2,720,928
20. Total Delivered * (21+22+23)	10,845,990	12,341,018	14,078,393	151,623,401
Less: Delivered to other pipe lines -				
21. Own Trunk system	6,942,578	7,761,230	8,622,904	93,470,287
22. Other pipe lines	3,747,919	4,374,848	5,259,229	56,080,671
23. Net Delivered (24+25)	155,493	204,940	196,260	2,072,443
24. Terminated on gathering systems	44,911	86,007	111,933	790,507
25. Delivered to other carriers (rail & truck)	110,582	118,933	84,327	1,281,936

[/] Includes natural gasoline and refinery products.

* Includes duplications.

⁶ Includes natural gasoline.

x Revised.

TABLE 3

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

Province		November 1957	October 1957	^x November 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	7,764,458	9,001,312	11,669,621	121,071,896
"	- Trunk	176,357	128,082	666,671	4,214,837
Saskatchewan	- Gathering	2,627,440	2,894,578	1,917,885	25,116,714
"	- Trunk	551,175	748,428	6,009	5,045,509
Manitoba	- Gathering	442,457	499,453	483,194	5,453,402
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,069,304	1,898,771	1,909,396	21,887,854
Quebec (3)	- Trunk	8,041,774	8,361,435	8,237,383	93,107,927
Net Received	- Gathering	10,834,355	12,395,343	14,070,700	151,642,012
"	" - Trunk	10,838,610	11,136,716	10,819,459	124,256,127
"	" - Total	21,672,965	23,532,059	24,890,159	275,908,139

TABLE 4

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

Province		November 1957	October 1957	November 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	2,401,463	3,352,647	4,430,369	53,311,921
Alberta (1)	- Gathering	79,180	127,217	173,517	1,251,847
"	- Trunk	1,263,514	866,615	1,001,790	11,397,218
Saskatchewan	- Gathering	76,313	77,723	22,743	820,596
"	- Trunk	1,399,548	1,242,436	1,402,990	15,390,951
Manitoba [♠]	- Trunk	5,555,296	6,775,987	7,016,546	69,860,132
Ontario (2)	- Trunk	3,862,966	3,264,964	3,520,873	40,033,590
Quebec	- Trunk	6,246,417	7,027,920	6,683,157	74,883,727
Net Delivered	- Gathering	155,493	204,940	196,260	2,072,443
"	" - Trunk [♠]	20,729,204	22,530,569	24,055,725	264,877,539
"	" - Total	20,884,697	22,735,509	24,251,985	266,949,982
"	" - Daily average	696,157	733,404	808,400 ^x	799,251
[♠]	Includes deliveries to U.S. pipe lines, Gretna, Man.	4,846,920	6,338,639	6,113,241	60,852,953
[♠]	Includes exports - via Trans Mountain Oil Pipe Line Company via Interprovincial Pipe Line Company	1,648,655 1,553,387	2,113,930 1,595,304	3,018,105 1,725,455	32,207,868 18,549,427

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		November 1957	October 1957	November 1956	YEAR TO DATE 1957
Barrels Handled - Daily Average					
Gathering Systems	Barrels	361,533	398,097	469,279	453,962
Trunk Lines	"	967,402	1,032,749	1,132,813	1,144,595
Total Barrel Miles (Trunk Lines)	Millions	6,745	8,631	9,933	105,315
Average Miles Per Barrel (Trunk Lines)	Miles	232.4	269.6	292.3	275.5
Employees and Earnings (6)					
Average Number (4)	No.	1,666	1,733	1,595	18,989
Total Salaries and Wages	\$	788,166	813,359	716,244	8,722,662
Man-Hours Worked by Wage Earners (5) (6)	Hours	71,435	78,914	75,938	891,019

(1) Includes natural gasoline and some refinery products.

(2) Products of refineries.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Amurex Oil Development Company, Anglo American Exploration Company, Ltd., Anglo-Canadian Oils, Ltd., Key Pipe Line Company, Ltd., Mid Saskatchewan Pipe Lines, Ltd., Mobil Oil of Canada, Ltd., Nisku Products Pipe Line Company, Ltd., Peace River Oil Pipe Line Company, Ltd., Sarnia Products Line and Valley Pipe Line Company, Ltd.

x Revised.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

November, 1957

	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Pembina Pipe Line Ltd.	Other Pipe Lines (1)	Total
TRAFFIC*				Barrels			
Total Received into System							
This month November, 1957	2,379,101	7,068,064	6,272,454	2,542,420	2,570,752	(2) 12,322,239	33,155,030
This year (11 months)	41,177,631	92,692,549	74,946,071	53,978,365	35,450,683	(3) 143,854,014	442,099,313
Total Delivered out of System							
This month November, 1957	2,391,995	7,002,629	6,246,417	2,401,463	2,541,020	(4) 12,341,929	32,925,453
This year (11 months)	41,157,483	92,166,211	74,883,727	53,311,921	35,372,425	(5) 143,555,910	440,447,677
OPERATING STATISTICS							
Barrels Handled - Daily Average							
Gathering Lines							
This month November, 1957	79,733	-	-	-	85,140	196,660	361,533
This year (11 months)	123,226	-	-	-	105,140	225,596	453,962
Trunk Lines							
This month November, 1957	-	233,421	208,214	80,049	84,701	361,017	967,402
This year (11 months)	-	275,947	224,203	159,617	105,905	378,923	1,144,595
Total Barrel Miles				Miles			
(Trunk Lines - in millions)							
This month November, 1957	-	3,121	461	1,623	177	1,363	6,745
This year (11 months)	-	44,707	5,518	36,763	2,458	15,869	105,315
Average Miles Per Barrel							
(Trunk Lines)							
This month November, 1957	-	446.0	73.8	676.0	69.5	125.8	232.4
This year (11 months)	-	485.0	73.7	690.0	69.5	125.4	275.5
OPERATING REVENUES				Dollars			
Three Months ending Mar. 31, 1957	978,924	6,030,844	689,958	7,993,435	1,345,090	(7) 6,164,417	23,202,668
Six Months ending June 30, 1957	1,976,693	12,100,462	1,442,523	15,871,051	2,655,293	(7) 13,623,898	47,669,920
Nine Months ending Sept. 30, 1957	2,829,541	18,068,116	2,132,131	22,547,917	4,001,169	(7) 22,091,029	71,669,903 ^x
Twelve Months ending Dec. 31,							
EMPLOYEES AND EARNINGS				Number			
Number of Employees, November 1957	159	421	50	273	176	(6) 587	1,666
Salaries and Wages				Dollars			
This month November, 1957	71,213	209,599	25,004	133,590	80,243	(6) 268,517	788,166
This year (11 months)	783,170	2,242,280	267,406	1,532,345	996,410	(6) 2,901,048	8,722,662
Man-Hours Worked by Wage Earners				Hours			
This month November, 1957	19,177	17	573	384	16,718	(6) 34,566	71,435
This year (11 months)	216,310	5,649	13,237	8,960	233,895	(6) 412,968	891,019

* Totals include duplication between companies.

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

(2) Includes 3,907,839 bbls. products and 50,388 bbls. natural gasoline.

(3) Includes 40,782,175 bbls. products and 534,758 bbls. natural gasoline.

(4) Includes 3,930,752 bbls. products and 51,295 bbls. natural gasoline.

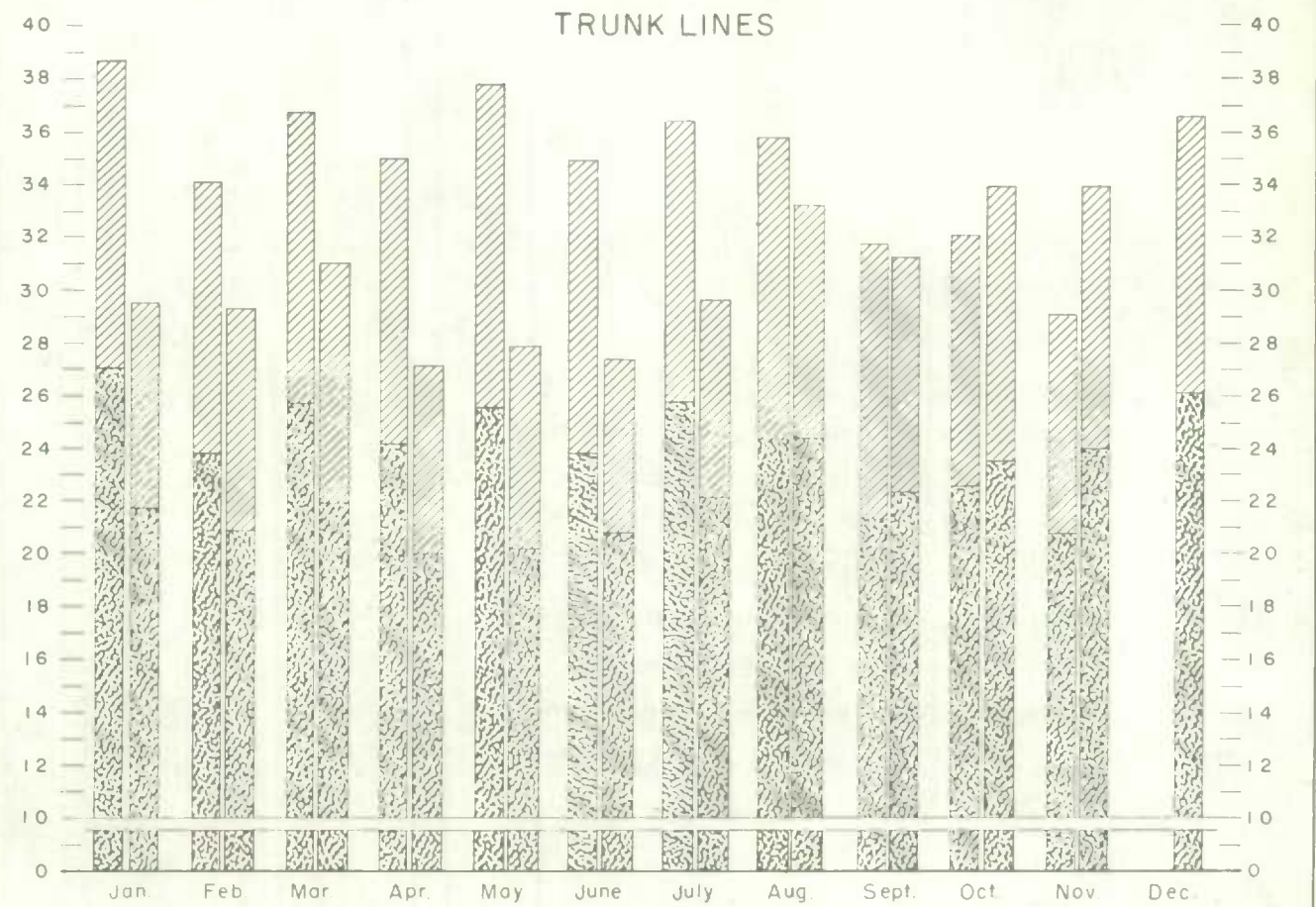
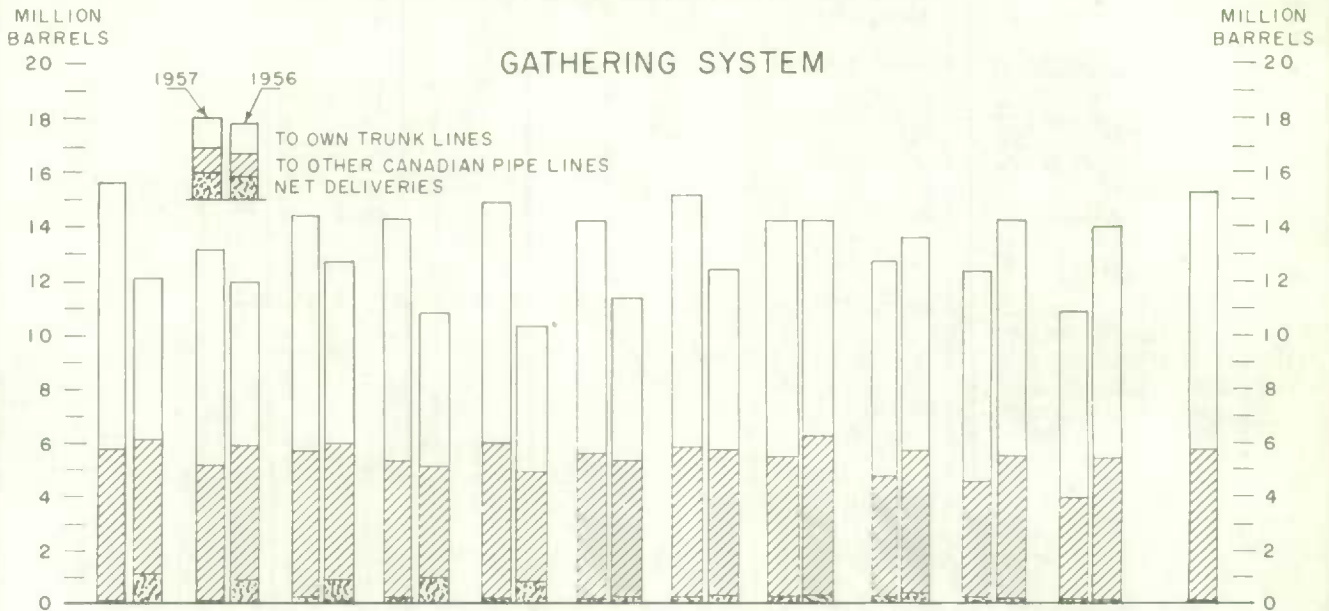
(5) Includes 40,706,859 bbls. products and 534,208 bbls. natural gasoline.

(6) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; Imperial Oil-Sarnia Products Pipe Line Division; Key Pipe Line Co., Limited; Mid-Saskatchewan Pipe Lines Limited; Mobil Oil of Canada Limited; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Company and Valley Pipe Line Company, Ltd.

(7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Green River Exploration Company; Mobil Oil of Canada Limited and Sarnia Products Line.

x Revised.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1956 AND 1957



List of Oil Pipe Lines Reporting

Amurex Oil Company
Anglo American Exploration, Limited
Anglo-Canadian Oils, Limited
B.A. Alberta Pipe Line, Limited
B.A. Saskatchewan Pipe Line, Limited
Britamoil Pipe Line Company, Limited
Cremona Pipe Lines Division (Home Oil Company, Limited)
Edmonton Pipe Line Company, Limited
Gibson Crude Oil Purchasing Company, Limited
Green River Exploration Company, Limited
The Imperial Pipe Line Company, Limited
Imperial Oil Limited, Sarnia Products Pipe Line
Interprovincial Pipe Line Company
Key Pipe Line Company, Limited
Mid-Saskatchewan Pipe Lines, Limited
Mobil Oil of Canada, Limited
Montreal Pipe Line Company, Limited
Nisku Products Pipe Line Company, Limited
Peace River Oil Pipe Line Company, Limited
Pembina Pipe Line, Limited
Rangeland Pipe Line Company, Limited
Saskatoon Pipe Line Company, Limited
South Saskatchewan Pipe Line Company
Sun-Canadian Pipe Line Company, Limited
Sun Pipe Line Company
Texaco Exploration Company
Trans Mountain Oil Pipe Line Company
Trans-Northern Pipe Line Company
Trans-Prairie Pipelines, Limited
Valley Pipe Line Company, Limited
Westspur Pipe Line Company
Winnipeg Pipe Line Company, Limited
Devon-Palmer Oils, Limited

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