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PIPE LINES (OIL) STATISTICS

DECEMBER, 1957

Although net deliveries of oil from Canadian pipe lines rose 14.5 p.c. in December to 23,907,630 barrels from 20,884,697 in the previous month, a decrease of 8.9 p.c. was recorded from the 26,243,931 barrels reported one year ago. The average delivery of 771,214 barrels per day in December compares with 696,157 barrels in November and 846,578 in December 1956. Barrel miles at 8,342 million were up by 1,597 million over the previous month but down by 2,472 million from December 1956. The average length of haul fell to 246.4 miles from 294.7 in the previous December.

Despite the lower levels prevailing in the last five months of the year, total net deliveries for the twelve months ended December 31, increased 5.8 p.c. to 290,857,612 barrels from 274,940,340 in the previous year. Provincial deliveries in barrels for the year were as follows (1956 data in brackets): British Columbia 56,535,164 (47,251,641); Alberta 13,570,320 (17,830,462); Saskatchewan 17,691,698 (16,732,869); Manitoba 77,441,741 (73,344,246); Ontario, 44,189,759 (43,022,682); and Quebec 81,428,930 (76,758,440). Exports via pipe line were up by 29.7 p.c., rising to 54,878,720 barrels from 42,309,090 in 1956.

Refinery products delivered during the year rose to 44,928,730 barrels, an increase of 2.2 p.c. above the 1956 total of 43,946,719 barrels. Of this total, refined gasoline accounted for 25,078,012 barrels (23,779,088); distillate fuels for 15,951,297 barrels (16,330,619); and refined oil and other products for 3,899,421 barrels (3,837,012).

Net receipts during the month of December increased by 8.2 p.c., totalling 23,448,570 barrels, as compared with 21,672,965 barrels in November, but decreased by 14.3 p.c. from the previous year's total of 27,359,005 barrels. The month's receipts were comprised of 8,663,560 barrels of Alberta crude and 50,496 barrels of Alberta natural gasoline, 3,475,621 barrels of Saskatchewan crude, 532,542 barrels of Manitoba crude, 6,493,619 barrels of imported crude and 4,232,732 barrels of refinery products.

Compared with 1956, the average number of employees increased 14.8 p.c. to 1,721 from 1,499, and salaries rose 20.3 p.c. to \$9,541,372 from \$7,929,889. Earnings for the year averaged \$4,618 as against \$4,407 in the previous year, an increase of 4.8 p.c.

Operating revenues for the last quarter of 1957 dropped to \$20,511,465, as compared with \$22,600,357 in 1956, a decrease of \$2,088,892 or 9.2 p.c. For the twelve months, however, operating revenues were up by 17.6 p.c., rising to \$92,123,185 in 1957 from \$78,316,555 in the previous year.

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,
8504-508-127 Public Finance and Transportation Division.

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 -	
during twelve months of 1957, per table 6	479,365,242
Received into Trunk Lines from other Canadian Pipe Lines	180,018,533
"Net Received" into Canadian Pipe Line Systems	299,346,709
"Net Received" into Trunk Systems per table 1	135,700,065
"Net Received" into Gathering Systems per table 2	163,646,644
Total Delivered out of Systems - all companies -	
during twelve months of 1957, per table 6	478,640,398
Delivered to other Canadian Pipe Lines	187,782,786
"Net Delivered" from Canadian Pipe Line Systems	290,857,612
"Net Delivered" from Trunk Systems per table 1	288,635,631
"Net Delivered" from Gathering Systems per table 2	2,221,981

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 December and are given herewith:

OIL BALANCE - ALL COMPANIES - December, 1957

	Barrels
Total Shippers Balances - January 1, 1957	10,368,770
Total Carriers Balances - January 1, 1957	730,708
Received into Gathering Systems January 1 to December 31, 1957	163,646,644
Received into Trunk Systems January 1 to December 31, 1957	416,898,490
Total oil accountable for period	580,545,134
Delivered from Gathering Systems January 1 to December 31, 1957	591,644,612
Delivered from Trunk Systems January 1 to December 31, 1957	163,666,927
Balance to be accounted for at December 31, 1957	416,153,363
Oil consumed as fuel and losses January 1 to December 31, 1957 ...	579,820,290
Balance on hand - December 31, 1957	11,824,322
Total Shippers Balances - December 31, 1957	613,793
Total Carriers Balances - December 31, 1957	11,210,529
Total Shippers Balances - December 31, 1957	10,141,516
Total Carriers Balances - December 31, 1957	1,069,013

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
	Sarnia	Clarkson and Port Credit	Delivered at Sarnia
	Barrels	Barrels	Barrels
December, 1956	4,234,146	-	543,950
November, 1957	2,262,663	1,007,699	609,819
December, 1957	3,016,315	1,785,514	623,220

TABLE 1

OIL^f CARRIED BY PIPE LINES - TRUNK

	December 1957	November 1957	December 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	32,970,902	29,263,253	36,946,806	416,898,490
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	7,709,605	6,942,578	9,468,214	101,179,892
3. Other pipe lines - Gathering	4,813,891	4,610,714	4,165,564	56,355,853
4. Trunk	9,003,468	6,871,351	11,202,923	123,662,680
5. <u>Net Received (6+7+8)</u>	11,443,938	10,838,610	12,110,105	135,700,065
6. Originating on own trunk lines	4,598,556	4,256,830	4,808,817	49,380,250
7. Received from foreign pipe line connections	6,493,619	6,272,454	7,184,151	81,439,690
8. Received from other carriers (rail & truck)	351,763	309,326	117,137	4,880,125
9. <u>Total Delivered * (10+11)</u>	33,858,800	29,022,041	36,699,599	416,153,363
10. Less: Delivered to other Canadian trunk lines	10,100,708	8,292,837	10,591,526	127,517,732
11. <u>Net Delivered (12+13+14)</u>	23,758,092	20,729,204	26,108,073	288,635,631
12. Terminated on own trunk lines	15,072,235	14,209,671	16,451,089	186,670,011
13. Delivered to foreign pipe line connections	8,663,063	6,495,575	8,555,781	94,582,893
14. Delivered to other carriers (truck, rail & water)	22,794	23,958	1,101,203	7,382,727

TABLE 2

OIL^f CARRIED BY PIPE LINES - GATHERING

	December 1957	November 1957	December 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	12,004,632	10,834,355	15,248,900	163,646,644
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	12,004,632	10,834,355	15,248,900	163,646,644
18. Originating on own gathering system	11,826,388	10,623,840	14,689,275	160,747,472
19. Received from other carriers (rail & truck)	178,244	210,515	559,625	2,899,172
20. <u>Total Delivered * (21+22+23)</u>	12,043,526	10,845,990	15,244,189	163,666,927
Less: Delivered to other pipe lines -				
21. Own Trunk system	7,709,605	6,942,578	9,468,214	101,179,892
22. Other pipe lines	4,184,383	3,747,919	5,640,117	60,265,054
23. <u>Net Delivered (24+25)</u>	149,538	155,493	135,858	2,221,981
24. Terminated on gathering systems	50,168	44,911	74,300	840,675
25. Delivered to other carriers (rail & truck)	99,370	110,582	61,558	1,381,306

^f Includes natural gasoline and refinery products.

* Includes duplications.

^g Includes natural gasoline.

TABLE 3

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

Province		December 1957	November* 1957	December 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	8,322,041	7,764,458	12,688,966	129,393,937
"	- Trunk	457,930	447,640	580,176	6,207,560
Saskatchewan	- Gathering	3,150,049	2,575,279	2,065,779	28,214,592
"	- Trunk	325,572	279,892	5,074	3,836,288
Manitoba	- Gathering	532,542	494,628	494,155	6,038,115
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,557,027	2,069,304	2,585,593	24,444,881
Quebec (3)	- Trunk	8,103,409	8,041,774	8,939,262	101,211,336
Net Received	- Gathering	12,004,632	10,834,355	15,248,900	163,646,644
" "	- Trunk	11,443,938	10,838,610	12,110,105	135,700,065
" "	- Total	23,448,570	21,672,965	27,359,005	299,346,709

TABLE 4

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

Province		December 1957	November 1957	December 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	3,223,243	2,401,463	4,893,532	56,535,164
Alberta (1)	- Gathering	92,434	79,180	111,120	1,344,281
"	- Trunk	828,821	1,263,514	964,645	12,226,039
Saskatchewan	- Gathering	57,104	76,313	24,738	877,700
"	- Trunk	1,423,047	1,399,548	1,458,360	16,813,998
Manitoba ^φ	- Trunk	7,581,609	5,555,296	7,328,643	77,441,741
Ontario (2)	- Trunk	4,156,169	3,862,966	4,295,684	44,189,759
Quebec	- Trunk	6,545,203	6,246,417	7,167,209	81,428,930
Net Delivered	- Gathering	149,538	155,493	135,858	2,221,981
" "	- Trunk [‡]	23,758,092	20,729,204	26,108,073	288,635,631
" "	- Total	23,907,630	20,884,697	26,243,931	290,857,612
" "	- Daily Average	771,214	696,157	846,578	796,870
^φ	Includes deliveries to U.S. pipe lines, Gretna, Man.	6,636,031	4,846,920	6,409,642	67,488,984
[‡]	Includes exports -				
	via Trans Mountain Oil Pipe Line Company	2,027,032	1,648,655	3,221,582	34,234,900
	via Interprovincial Pipe Line Company	2,094,393	1,553,387	1,914,497	20,643,820

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		December 1957	November 1957	December* 1956	YEAR TO DATE 1957
Barrels Handled - Daily Average					
Gathering Systems	Barrels	388,501	361,533	491,748	448,401
Trunk Lines	"	1,092,219	967,401	1,183,858	1,140,146
Total Barrel Miles (Trunk Lines)	Millions	8,342	6,745	10,814	113,656
Average Miles Per Barrel (Trunk Lines)	Miles	246.4	232.4	294.7	273.1
Employees and Earnings (6)					
Average Number (4)	No.	1,671	1,666	1,600	1,721
Total Salaries and Wages	\$	818,710	788,166	752,844	9,541,372
Man-Hours Worked by Wage Earners (5) (6)	Hours	71,283	71,435	80,418	962,302

(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.

* Revised.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

December, 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*				<u>Barrels</u>			
<u>Total Received into System</u>							
This month December, 1957	2,592,596	8,778,111	6,493,619	2,711,343	2,653,872	(2) 14,036,388	37,265,929
This year (12 months)	43,770,227	101,470,660	81,439,690	56,689,708	38,104,555	(3) 157,890,402	479,365,242
<u>Total Delivered out of System</u>							
This month December, 1957	2,635,506	9,073,348	6,545,203	3,223,243	2,673,329	(4) 14,042,092	38,192,721
This year (12 months)	43,792,989	101,239,559	81,428,930	56,535,164	38,045,754	(5) 157,598,002	478,640,398
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month December, 1957	85,016	-	-	-	85,129	218,356	388,501
This year (12 months)	119,980	-	-	-	103,441	224,980	448,401
<u>Trunk Lines</u>							
This month December, 1957	-	292,689	211,135	103,976	86,236	398,183	1,092,219
This year (12 months)	-	277,371	223,093	154,891	104,235	380,556	1,140,146
<u>Total Barrel Miles</u>				<u>Miles</u>			
(Trunk Lines - in millions)							
This month December, 1957	-	4,014	483	2,192	186	1,467	8,342
This year (12 months)	-	48,721	6,001	38,955	2,644	17,335	113,656
<u>Average Miles Per Barrel</u>							
(Trunk Lines)							
This month December, 1957	-	422.0	73.8	680.0	69.5	118.8	246.4
This year (12 months)	-	481.0	73.7	689.0	69.5	124.8	273.1
OPERATING REVENUES				<u>Dollars</u>			
Three Months ending Mar. 31, 1957	978,924	6,030,844	689,958	7,993,435	1,345,090	(7) 6,164,418*	23,202,669*
Six Months ending June 30, 1957	1,976,693	12,100,462	1,442,523	15,871,051	2,655,293	(7) 13,623,900*	47,669,922*
Nine Months ending Sept. 30, 1957	2,829,541	18,068,116	2,132,131	22,547,917	4,001,169	(7) 22,032,846*	71,611,720*
Twelve Months ending Dec. 31, 1957	3,490,759	24,046,476	2,844,023	26,698,067	5,145,695	(7) 29,898,165	92,123,185
EMPLOYEES AND EARNINGS				<u>Number</u>			
Number of Employees December, 1957	163	420	50	275	174	(6) 589	1,671
<u>Salaries and Wages</u>				<u>Dollars</u>			
This month December, 1957	73,678	220,746	24,019	139,508	82,901	(6) 277,858	818,710
This year (12 months)	856,848	2,463,026	291,428	1,671,853	1,079,311	(6) 3,178,906	9,541,372
<u>Man-Hours Worked by Wage Earners</u>				<u>Hours</u>			
This month December, 1957	20,187	113	692	304	16,270	(6) 33,717	71,283
This year (12 months)	236,497	5,762	13,929	9,264	250,165	(6) 446,685	962,302

* Totals include duplication between companies.

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

(2) Includes 4,232,732 bbls. products and 50,496 bbls. natural gasoline.

(3) Includes 45,014,907 bbls. products and 585,254 bbls. natural gasoline.

(4) Includes 4,221,871 bbls. products and 49,042 bbls. natural gasoline.

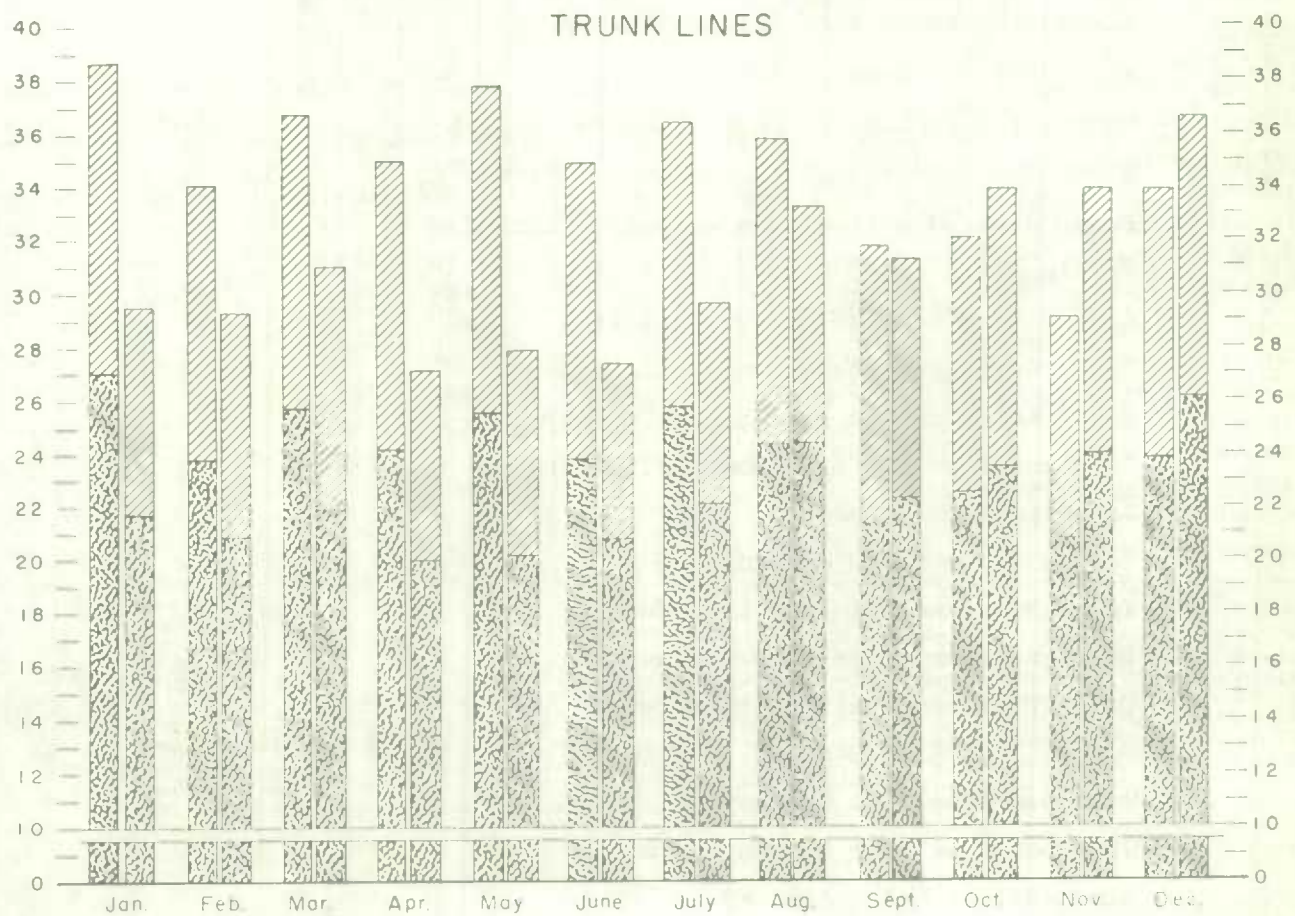
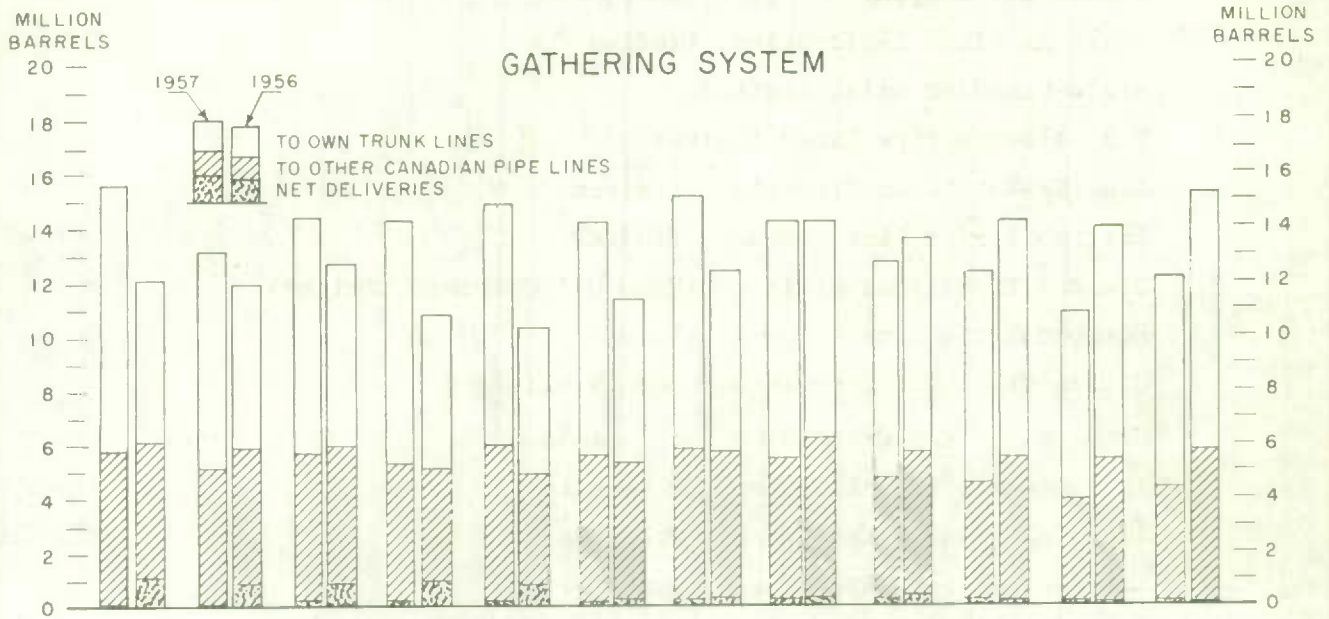
(5) Includes 44,928,730 bbls. products and 583,250 bbls. natural gasoline.

(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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