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OIL PIPE LINE TRANSPORT

October, 1959

Net deliveries of oil through Canadian pipe lines totalled 25,097,633 barrels in October, a rise of 9.7 p.c. over the previous year's total of 22,886,658. The daily average delivery of 809,601 barrels compared with 738,279 in October, 1958 and 860,105 in the preceding month. Barrel miles rose 23.4 p.c. to 9,563 million from 7,747 one year earlier with the average length of haul increasing 11.7 p.c. to ~~2,605~~ miles from ~~2,333~~.
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For the first ten months of the year net deliveries amounted to 255,537,706 barrels, 13.4 p.c. above the 225,417,855 barrels recorded for the same period last year. Provincial deliveries in barrels for January-October were as follows (1958 data in brackets): British Columbia 29,986,605 (25,101,315); Alberta 18,693,917 (13,872,456); Saskatchewan 15,378,700 (13,342,280); Manitoba 84,062,942 (73,741,252); Ontario 37,354,866 (34,737,477) and Quebec 70,060,676 (64,623,075). Included in Manitoba deliveries were 75,020,713 barrels (64,984,813) transferred to the Lake-head 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 480,368 barrels per day in October, up 16.6 p.c. from the 412,058 barrels handled in the same month last year but down 10.0 p.c. from the 533,984 barrels reported last month. Trunk lines handled 1,184,321 barrels per day, an increase of 10.6 p.c. over the October 1958 average of 1,070,965 barrels.

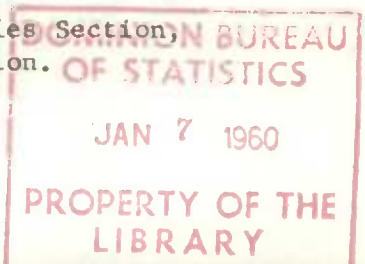
Net receipts totalled 25,051,087 barrels, 6.1 p.c. above the 23,605,757 shown last year and 2.5 p.c. below the 25,702,618 barrels in the previous month. Comprising the current month's receipts were 10,296,756 of Alberta Crude and 54,875 barrels of Alberta natural gasoline, 3,825,887 barrels of Saskatchewan Crude, 405,109 barrels of Manitoba crude, 6,417,257 barrels of imported crude and 4,051,203 barrels of refinery products.

Average number of employees totalled 1,527 in October against 1,614 one year ago. Although this total was lower than any previous month in 1959 or 1958, earnings compared more favourably, rising to \$780,987 from \$773,570 in October, 1958. Earnings last month were \$788,436.

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

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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.

	Barrels
Total Received into Systems - all companies -	
during first ten months of 1959 per table 6	420,173,714
Received into Trunk Lines from other Canadian Pipe Lines	163,234,424
"Net Received" into Canadian Pipe Line Systems	256,939,290
"Net Received" into Trunk Systems per table 1	114,670,106
"Net Received" into Gathering Systems per table 2	142,269,184
Total Delivered out of Systems - all companies -	
during first ten months of 1959 per table 6	427,087,529
Delivered to other Canadian Pipe Lines	171,549,823
"Net Delivered" from Canadian Pipe Line Systems	255,537,706
"Net Delivered" from Trunk Systems per table 1	249,133,317
"Net Delivered" from Gathering Systems per table 2	6,404,389

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, 1959

	Barrels	
Total Shippers' Balances - January 1, 1959	10,578,165	
Total Carriers' Balances - January 1, 1959	1,068,896	11,647,061
Received into Gathering Systems January 1 to October 31, 1959	149,730,119	
Received into Trunk Systems January 1 to October 31, 1959	372,473,184	522,203,303
Total oil accountable for period		533,850,364
Delivered from Gathering Systems January 1 to October 31, 1959 ...	149,770,073	
Delivered from Trunk Systems January 1 to October 31, 1959	371,886,110	521,656,183
Balance to be accounted for at October 31, 1959		12,194,181
Oil consumed as fuel and losses January 1 to October 31, 1959		285,877
Balance on hand - October 31, 1959		11,908,304
Total Shippers' Balances - October 31, 1959	10,809,202	
Total Carriers' Balances - October 31, 1959	1,099,107	

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 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, commencing with April, 1958, 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
October, 1958	4,052,067	955,898	250,753
September, 1959	4,482,981	1,742,478	134,413
October, 1959	4,115,494	1,921,038	223,712

TABLE 1

OIL¹ CARRIED BY PIPE LINES - TRUNK

	October 1959	September 1959	October 1958	YEAR TO DATE 1959
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received* (2+3+4+5)</u>	36,689,788	38,406,822	33,294,396	372,473,184
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	9,654,281	9,975,749	8,123,522	94,568,654
3. Other pipe lines - Gathering	5,565,854	6,147,309	5,099,234	58,199,847
4. Trunk	10,506,247	11,845,085	8,584,363	105,034,577
5. <u>Net Received (6+7+8)</u>	10,963,406	10,438,679	11,487,277	114,670,106
6. Originating on own trunk lines	4,335,415	3,937,738	4,196,397	42,198,786
7. Received from foreign pipe line connections	6,417,257	6,279,629	7,097,319	70,134,881
8. Received from other carriers (rail & truck)	210,734	221,312	193,561	2,336,439
9. <u>Total Delivered* (10+11)</u>	36,713,973	38,519,454	33,199,929	371,886,110
10. Less: Delivered to other Canadian trunk lines	12,532,399	13,535,618	10,464,464	122,752,793
11. <u>Net Delivered (12+13+14)</u>	24,181,574	24,983,836	22,735,465	249,133,317
12. Terminated on own trunk lines	15,200,405	15,382,930	15,543,586	162,414,448
13. Delivered to foreign pipe line connections	8,931,257	9,540,596	7,164,707	86,023,960
14. Delivered to other carriers (truck, rail & water)	49,912	60,310	27,172	694,909

TABLE 2

OIL¹ CARRIED BY PIPE LINES - GATHERING

	October 1959	September 1959	October 1958	YEAR TO DATE 1959
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	14,869,103	16,012,570	12,788,997	149,730,119
16. Less: Received from other gathering systems	781,422	748,631	670,517	7,460,935
17. <u>Net Received (18+19)</u>	14,087,681	15,263,939	12,118,480	142,269,184
18. Originating on own gathering system	13,822,621	14,934,096	11,884,254	139,240,125
19. Received from other carriers (rail & truck)	265,060	329,843	234,226	3,029,059
20. <u>Total Delivered* (21+22+23)</u>	14,891,421	16,019,522	12,773,820	149,770,073
Less: Delivered to other pipe lines -				
21. Own Trunk system	9,654,281	9,975,749	8,123,522	94,568,654
22. Other pipe lines	4,321,081	5,224,447	4,499,105	48,797,030
23. <u>Net Delivered (24+25)</u>	916,059	819,326	151,193	6,404,389
24. Terminated on gathering systems	796,596	687,881	87,087	5,209,371
25. Delivered to other carriers (rail & truck)	119,463	131,445	64,106	1,195,018

¹ Includes natural gasoline and refinery products.

* Includes duplications.

² Includes natural gasoline.

TABLE 3

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

Province		OCTOBER 1959	SEPTEMBER 1959	OCTOBER 1958	YEAR TO DATE 1959
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	10,156,103	11,256,013	8,259,424	103,282,263
"	- Trunk	428,315	426,076	394,107	4,246,189
Saskatchewan	- Gathering	3,526,469	3,594,572	3,391,080	34,791,892
"	- Trunk	299,418	317,427	177,410	2,959,512
Manitoba	- Gathering	405,109	413,354	467,976	4,195,029
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,469,359	2,133,084	2,503,765	24,626,995
Quebec (3)	- Trunk	7,766,314	7,562,092	8,411,995	82,837,410
Net Received	- Gathering	14,087,681	15,263,939	12,118,480	142,269,194
" "	- Trunk	10,963,406	10,438,679	11,487,277	114,670,106
" "	- Total	25,051,087	25,702,618	23,605,757	256,939,290

TABLE 4

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

Province		OCTOBER 1959	SEPTEMBER 1959	OCTOBER 1958	YEAR TO DATE 1959
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	3,292,865	3,947,038	1,995,960	29,986,605
Alberta (1)	- Gathering	846,009	746,883	124,119	5,666,067
"	- Trunk	1,210,687	938,986	1,193,808	13,027,850
Saskatchewan	- Gathering	70,050	72,443	27,074	738,322
"	- Trunk	881,119	1,579,706	1,061,117	14,640,378
Manitoba ^δ	- Trunk	8,595,881	8,848,226	7,659,990	84,062,944
Ontario (2)	- Trunk	3,824,222	3,419,085	3,750,791	37,354,864
Quebec	- Trunk	6,376,800	6,250,795	7,073,799	70,060,474
Net Delivered	- Gathering	916,059	819,326	151,193	6,404,389
" "	- Trunk ^δ	24,181,574	24,983,836	22,735,465	249,133,317
" "	- Total	25,097,633	25,803,162	22,886,658	255,537,706
" "	- Daily average	809,601	860,105	738,279	840,585
^δ Includes deliveries to U.S. pipe lines, Gretna, Man.		7,710,977	7,923,322	6,842,917	75,020,713
^δ Includes exports -					
via Trans Mountain Oil Pipe Line Company		1,220,280	1,617,274	321,790	11,003,247
via Interprovincial Pipe Line Company		1,654,512	1,400,957	1,512,824	16,454,435

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		OCTOBER 1959	SEPTEMBER 1959	OCTOBER 1958	YEAR TO DATE 1959
Barrels Handled - Daily Average					
Gathering Systems	Barrels	480,368	533,984	412,058	492,665
Trunk Lines	"	1,184,321	1,283,982	1,070,965	1,223,309
Total Barrel Miles (Trunk Lines)	Millions	9,563	10,353	7,747	94,819
Average Miles Per Barrel (Trunk Lines)	Miles	260.5	268.9	233.3	255.0
Employees and Earnings (6)					
Average Number (4)	No.	1,527	1,592	1,614	1,569
Total Salaries and Wages	\$	780,987	788,436	773,570	7,789,908
Man-Hours Worked by Wage Earners (5) (6)	Hours	71,568	74,768	71,671	710,912

(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.; Colliar Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; 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. and Valley Pipe Line Company, Ltd.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES
OCTOBER, 1959

	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 October, 1959	2,494,352	10,049,963	6,417,257	3,062,542	3,180,769	(2) 15,918,305	41,123,188
This year (10 months)	27,610,745	102,809,425	70,134,881	30,040,416	31,498,068	(3) 158,080,179	420,173,714
<u>Total Delivered out of System</u>							
This month October, 1959	2,494,529	9,893,276	6,376,800	3,292,865	3,175,339	(4) 16,718,304	41,951,113
This year (10 months)	27,622,543	102,332,585	70,060,676	29,986,605	31,515,669	(5) 165,569,451	427,087,529
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month October, 1959	80,469	-	-	-	103,357	296,542	480,368
This year (10 months)	90,864	-	-	-	103,614	298,187	492,665
<u>Trunk Lines</u>							
This month October, 1959	-	319,138	205,703	106,221	102,430	450,829	1,184,321
This year (10 months)	-	336,620	230,463	98,640	103,670	453,916	1,223,309
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month October, 1959	-	5,189	450	2,200	221	1,503	9,563
This year (10 months)	-	52,812	4,943	20,152	2,193	14,719	94,819
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month October, 1959	-	491.0	70.6	668.0	69.6	107.5	260.5
This year (10 months)	-	482.0	70.6	672.0	69.6	106.7	255.0
OPERATING REVENUES 1959							
				Dollars			
Three months ended Mar. 31	751,519	8,685,257	826,440	3,437,294	1,485,811	(6) 7,657,067	22,843,388
Six months " June 30	1,313,632	15,676,403	1,531,925	6,884,345	2,894,578	(6) 14,461,323	42,762,206
Nine months " Sept. 31	1,973,764	23,373,327	2,214,523	11,195,308	4,253,022	(6) 22,052,668	65,062,612
Twelve months " Dec. 31							
EMPLOYEES AND EARNINGS							
				Number			
Employees October, 1959	117	431	51	224	142	(7) 562	1,527
				Dollars			
This month October, 1959	59,759	225,639	25,006	125,371	70,038	(7) 275,174	780,987
This year (10 months)	634,480	2,188,553	258,554	1,229,956	697,226	(7) 2,781,139	7,789,908
<u>Man hours Worked by Wage Earners</u>				Hours			
This month October, 1959	12,500	208	5,943	1,036	13,752	(7) 38,129	71,568
This year (10 months)	139,221	5,686	63,201	1,619	138,284	(7) 362,901	710,912

* Totals include duplication between companies.

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

(2) Includes 4,051,203 bbls. products and 54,875 bbls. natural gasoline.

(3) Includes 39,673,200 bbls. products and 485,924 bbls. natural gasoline.

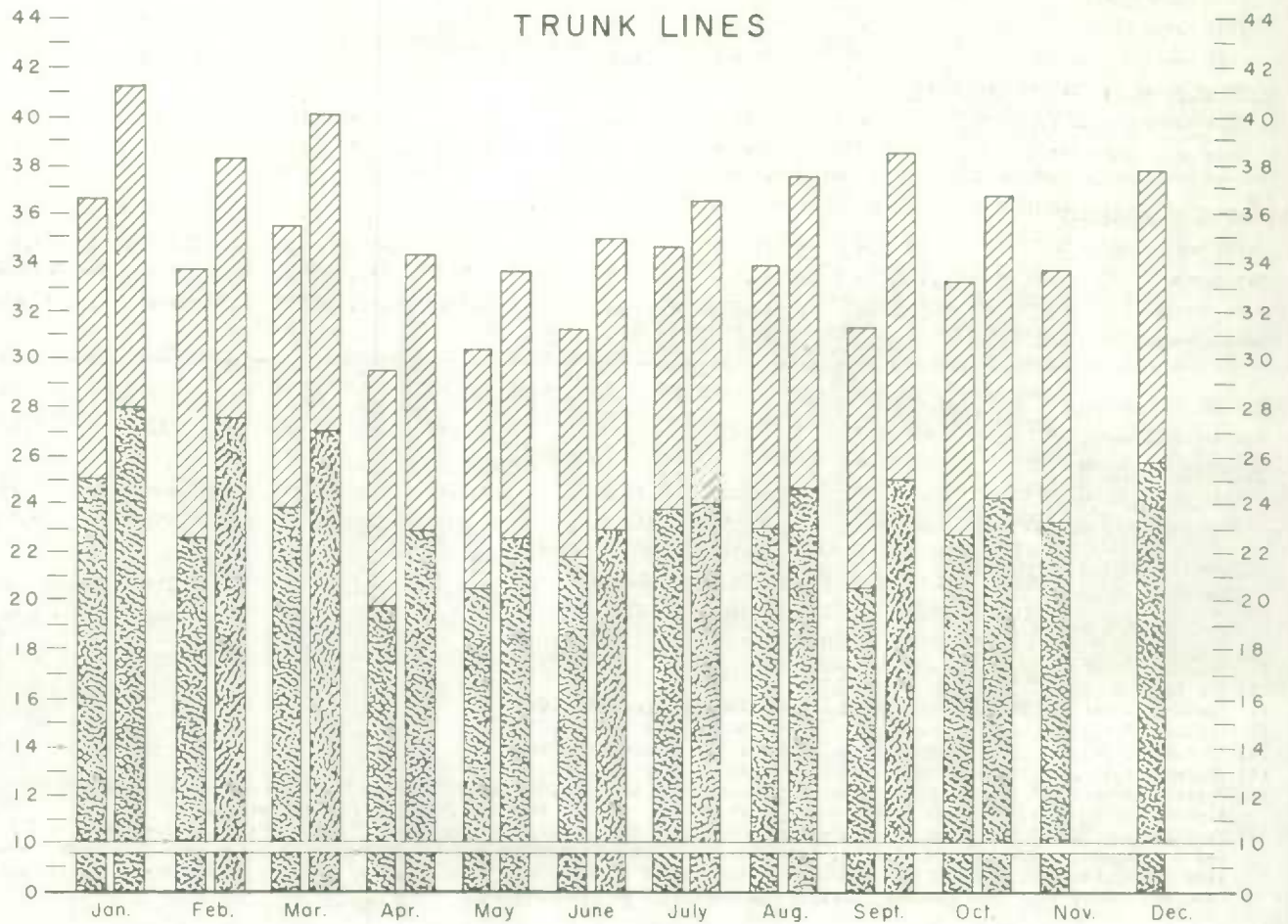
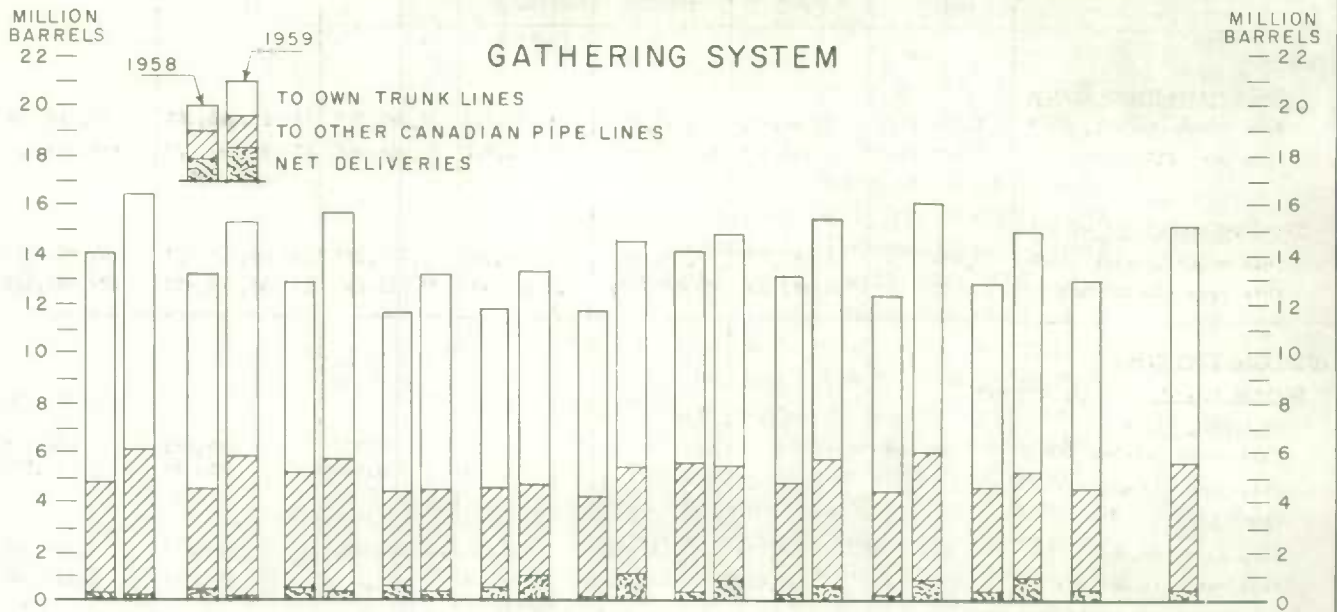
(4) Includes 3,926,839 bbls. products and 37,969 bbls. natural gasoline.

(5) Includes 38,442,878 bbls. products and 468,154 bbls. natural gasoline.

(6) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Goliad Oil and Gas Company; Green River Exploration Company; Imperial Oil, Limited, Sarnia Products Pipe Line and Mobile Oil of Canada Limited.

(7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited, 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; Valley Pipe Line Company, Limited and Westport Pipe Line Company.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1958 AND 1959



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
Devon-Palmer Oils, Limited
Edmonton Pipe Line Company, Limited
Federated Pipe Lines, Limited
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 Lines Division
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
Producers Pipelines, 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

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