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PIPE LINES (OIL) STATISTICS

SEPTEMBER, 1957

Net deliveries of oil from Canadian pipe lines fell off by almost 3 million barrels in September to a total of 21,617,304 from 24,607,743 barrels in the previous month. This compares with a decline of approximately 2 million barrels in 1956, when the September deliveries fell to 22,720,659 barrels from 24,769,675 in August. The September daily average of 720,577 barrels per day in the current year is 9.2 p.c. below the August 1957 average of 793,798 and 4.9 p.c. below the 757,355 barrels shown one year ago. Again all major companies reported a decrease. Barrel miles were down to 8,512 million from 10,074 million in the previous month, and the average length of haul fell to 268.4 miles from 281.3.

For the nine months ended September 30, total net deliveries amounted to 223,329,776 barrels as compared with 200,642,930 barrels in the same period last year, an increase of 11.3 p.c. Provincial deliveries for the period were as follows (1956 data in brackets): British Columbia 47,557,811 barrels (33,008,409); Alberta 10,312,539 barrels (14,487,824); Saskatchewan 13,415,527 barrels (12,547,209); Manitoba 57,528,849 barrels (52,589,754); Ontario 32,905,660 barrels (31,620,624); and Quebec 61,609,390 barrels (56,389,110). Exports via pipe line are shown in a footnote to table 4.

Gathering systems handled a daily average of 425,364 barrels as compared with 458,112 barrels last month, and 456,589 barrels in September 1956. Trunk line deliveries dropped to a daily average of 1,057,120 barrels, a decrease of 8.5 p.c. from the average of 1,155,166 barrels for the previous month, but a slight increase over the average recorded in the same month last year.

Net receipts for the month of September totalled 22,604,390 barrels, down from 25,264,897 barrels registered in the previous month and 23,149,791 barrels one year ago. The receipts for September were comprised of 9,911,329 barrels of Alberta crude and 44,292 barrels of Alberta natural gasoline, 3,091,461 barrels of Saskatchewan crude, 520,784 barrels of Manitoba crude, 5,884,249 barrels of imported crude and 3,152,275 barrels of refinery products.

Operating revenues for the nine months ended September 30, increased 28.6 p.c. to a total of \$71,668,903 as compared with \$55,716,198 in the corresponding period last year.

Employment and wages showed a slight decrease from the previous month, with 1,739 employees earning \$820,379 as compared with 1,792 employees earning \$836,162. The average wage, however, rose to \$472 from \$467 in August, and compares with \$444 in September 1956.

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.

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

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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.

	<u>Barrels</u>
Total Received into Systems - all companies - during first nine months of 1957, per table 6 .....	372,293,325
Received into Trunk Lines from other Canadian Pipe Lines .....	141,600,210
"Net Received" into Canadian Pipe Line Systems .....	230,693,115
"Net Received" into Trunk Systems per table 1 .....	102,280,801
"Net Received" into Gathering Systems per table 2 .....	128,412,314
 Total Delivered out of Systems - all companies - during first nine months of 1957, per table 6 .....	 370,927,190
Delivered to other Canadian Pipe Lines .....	147,597,414
"Net Delivered" from Canadian Pipe Line Systems .....	223,329,776
"Net Delivered" from Trunk Systems per table 1 .....	221,617,766
"Net Delivered" from Gathering Systems per table 2 .....	1,712,010

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, 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 September 30, 1957 .....	128,412,314	
Received into Trunk Systems January 1 to September 30, 1957 .....	322,647,490	451,059,804
 Total oil accountable for period .....		462,159,282
Delivered from Gathering Systems January 1 to September 30, 1957 .....	128,436,393	
Delivered from Trunk Systems January 1 to September 30, 1957 .....	321,257,276	449,693,669
 Balance to be accounted for at September 30, 1957 .....		12,465,613
Oil consumed as fuel and losses January 1 to September 30, 1957 .....		499,047
Balance on hand - September 30, 1957 .....		11,966,566
Total Shippers Balances - September 30, 1957 .....	10,947,818	
Total Carriers Balances - September 30, 1957 .....	1,018,748	

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	Delivered at Sarnia
	Barrels	Barrels	Barrels
September, 1956	3,424,153		641,966
August, 1957	3,456,113		520,218
September, 1957	2,640,513	108,554	461,887

TABLE 1

OIL<sup>f</sup> CARRIED BY PIPE LINES - TRUNK

	September 1957	August 1957	September 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	32,125,128	35,706,526	31,338,321	322,647,490
Less: Received from other Canadian pipe lines -				
2.     Own Gathering System	7,963,931	8,761,800	7,923,681	78,766,479
3.     Other pipe lines - Gathering	5,504,580	4,736,930	3,610,252	42,126,996
4.                     Trunk	8,812,448	11,081,013	10,323,932	99,473,214
5. <u>Net Received (6+7+8)</u>	9,844,169	11,126,783	9,480,456	102,280,801
6.    Originating on own trunk lines	3,507,711	3,767,174	3,682,241	36,810,010
7.    Received from foreign pipe line connections	5,884,249	6,892,479	5,689,156	61,684,884
8.    Received from other carriers (rail & truck)	452,209	467,130	109,059	3,785,907
9. <u>Total Delivered * (10+11)</u>	31,713,636	35,810,165	31,249,328	321,257,276
10. Less: Delivered to other Canadian trunk lines	10,346,482	11,465,090	8,913,202	99,639,510
11. <u>Net Delivered (12+13+14)</u>	21,367,154	24,345,075	22,336,126	221,617,766
12.   Terminated on own trunk lines	13,989,872	15,836,368	14,038,069	143,334,224
13.   Delivered to foreign pipe line connections	7,233,485	8,367,296	7,290,901	70,971,686
14.   Delivered to other carriers (truck, rail & water)	143,797	141,411	1,007,156	7,311,856

TABLE 2

OIL<sup>g</sup> CARRIED BY PIPE LINES - GATHERING

	September 1957	August 1957	September 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	12,760,221	14,138,114	13,669,335	128,412,314
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	12,760,221	14,138,114	13,669,335	128,412,314
18.   Originating on own gathering system	12,523,208	14,003,896	12,951,143	126,158,344
19.   Received from other carriers (rail & truck)	237,013	134,218	718,192	2,253,970
20. <u>Total Delivered * (21+22+23)</u>	12,760,920	14,201,481	13,697,695	128,436,393
Less: Delivered to other pipe lines -				
21.   Own Trunk system	7,963,931	8,761,800	7,923,681	78,766,479
22.   Other pipe lines	4,546,839	5,177,013	5,389,481	47,957,904
23. <u>Net Delivered (24+25)</u>	250,150	262,668	384,533	1,712,010
24.   Terminated on gathering systems	101,540	127,773	93,149	659,589
25.   Delivered to other carriers (rail & truck)	148,610	134,895	291,384	1,052,421

<sup>f</sup> Includes natural gasoline and refinery products.

\* Includes duplications.

<sup>g</sup> Includes natural gasoline.

TABLE 3

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

Province		September 1957	August 1957	September 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	9,720,269	11,077,372	11,796,503	104,306,126
"	- Trunk	300,882	439,337	535,214	3,910,398
Saskatchewan	- Gathering	2,519,168	2,522,625	1,366,104	19,594,696
"	- Trunk	572,293	462,215	37,543	3,745,906
Manitoba	- Gathering	520,784	538,117	506,728	4,511,492
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	1,432,143	1,515,223	1,720,171	17,919,779
Quebec (3)	- Trunk	7,538,851	8,710,008	7,187,528	76,704,718
Net Received	- Gathering	12,760,221	14,138,114	13,669,335	128,412,314
"	- Trunk	9,844,169	11,126,783	9,480,456	102,280,801
"	- Total	22,604,390	25,264,897	23,149,791	230,693,115

TABLE 4

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

Province		September 1957	August 1957	September 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	4,117,269	5,018,879	4,720,600	47,557,811
Alberta (1)	- Gathering	147,281	165,977	260,919	1,045,450
"	- Trunk	1,049,658	1,103,534	1,149,365	9,267,089
Saskatchewan	- Gathering	102,869	96,691	123,614	666,560
"	- Trunk	1,313,624	1,529,391	1,449,030	12,748,967
Manitoba <sup>δ</sup>	- Trunk	5,911,768	6,524,086	6,213,659	57,528,849
Ontario (2)	- Trunk	3,084,689	3,330,920	3,172,248	32,905,660
Quebec	- Trunk	5,890,146	6,838,265	5,649,224	61,609,390
Net Delivered	- Gathering	250,150	262,668	384,533	1,712,010
"	- Trunk <sup>λ</sup>	21,367,154	24,345,075	22,336,126	221,617,766
"	- Total	21,617,304	24,607,743	22,720,659	223,329,776
"	- Daily Average	720,577	793,798	757,355	818,058
<sup>δ</sup>	Includes deliveries to U.S. pipe lines, Gretna, Man.	5,009,116	5,699,179	5,431,948	49,667,394
<sup>λ</sup>	Includes exports - via Trans Mountain Oil Pipe Line Company	2,345,787	2,788,956	2,843,522	28,445,283
	via Interprovincial Pipe Line Company	1,370,676	1,718,444	1,150,271	14,400,736

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		September 1957	August 1957	September 1956	YEAR TO DATE 1957
Barrels Handled - Daily Average					
Gathering Systems	Barrels	425,364	458,112	456,589	470,463
Trunk Lines	"	1,057,120	1,155,166	1,041,644	1,176,766
Total Barrel Miles (Trunk Lines)	Millions	8,512	10,074	9,694	89,939
Average Miles Per Barrel (Trunk Lines)	Miles	268.4	281.3	310.2	280.0
Employees and Earnings (6)					
Average Number (4)	No.	1,739	1,792	1,604	15,590
Total Salaries and Wages	\$	820,379	836,162	711,756	7,121,137
Man-Hours Worked by Wage Earners (5) (6)	Hours	79,211	85,477	74,992	740,670

(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.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

September, 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
<b>TRAFFIC*</b>							
				<u>Barrels</u>			
<u>Total Received into System</u>							
This month September, 1957	3,148,715	8,133,106	5,884,249	4,264,076	3,146,929	(2) 12,344,343	36,921,418
This year (9 months)	35,954,790	77,372,267	61,684,884	48,169,394	29,916,891	(3) 119,195,099	372,293,325
<u>Total Delivered out of System</u>							
This month September, 1957	3,139,565	7,884,835	5,890,146	4,117,269	3,126,036	(4) 12,352,774	36,510,625
This year (9 months)	35,967,407	76,970,277	61,609,390	47,557,811	29,756,449	(5) 119,065,856	370,927,190
<b>OPERATING STATISTICS</b>							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month September, 1957	104,652	-	-	-	105,158	215,554	425,364
This year (9 months)	131,749	-	-	-	108,485	230,229	470,463
<u>Trunk Lines</u>							
This month September, 1957	-	262,826	196,338	137,242	104,201	356,513	1,057,120
This year (9 months)	-	281,942	225,675	174,204	108,998	385,947	1,176,766
<u>Total Barrel Miles</u>				<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>							
This month September, 1957	-	3,703	433	2,826	217	1,333	8,512
This year (9 months)	-	37,228	4,539	32,859	2,068	13,245	89,939
<u>Average Miles Per Barrel</u>							
<u>(Trunk Lines)</u>							
This month September, 1957	-	470.0	73.6	686.0	69.5	124.6	268.4
This year (9 months)	-	484.0	73.7	691.0	69.5	125.7	280.0
<b>OPERATING REVENUES</b>							
				<u>Dollars</u>			
Three Months ending Mar. 31, 1957	978,924	6,030,844	689,958	7,993,435	1,345,090	(7) x 6,164,417	23,202,668 x
Six Months ending June 30, 1957	1,976,693	12,100,462	1,442,523	15,871,051	2,655,293	(7) x 13,623,898	47,669,920 x
Nine Months ending Sept. 30, 1957	2,829,541	18,068,116	2,132,131	22,547,917	4,001,169	(7) 22,090,029	71,668,903
Twelve Months ending Dec. 31,							
<b>EMPLOYEES AND EARNINGS</b>							
				<u>Number</u>			
Number of Employees September, 1957	164	447	53	282	212	(6) 581	1,739
				<u>Dollars</u>			
<u>Salaries and Wages</u>							
This month September, 1957	74,494	221,027	25,609	146,041	93,856	(6) 259,352	820,379
This year (9 months)	639,637	1,819,578	217,206	1,261,504	821,446	(6) 2,361,766	7,121,137
<u>Man-Hours Worked by Wage Earners</u>							
				<u>Hours</u>			
This month September, 1957	19,824	184	1,219	376	21,733	(6) 35,875	79,211
This year (9 months)	178,523	5,264	12,135	8,272	195,872	(6) 340,604	740,670

\* Totals include duplication between companies.

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

(2) Includes 3,152,275 bbls. products and 44,292 bbls. natural gasoline.

(3) Includes 33,532,539 bbls. products and 426,355 bbls. natural gasoline.

(4) Includes 3,146,794 bbls. products and 44,360 bbls. natural gasoline.

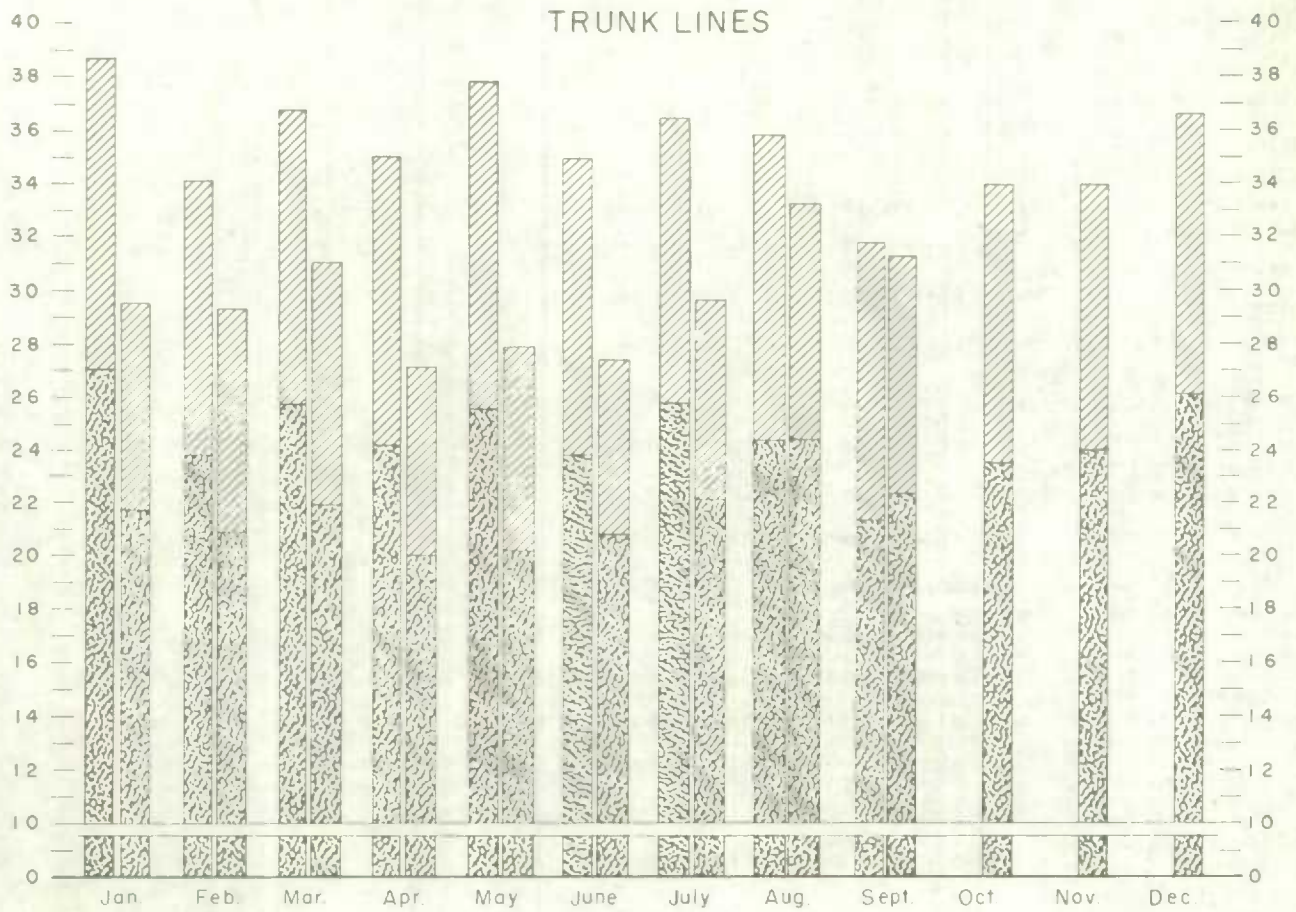
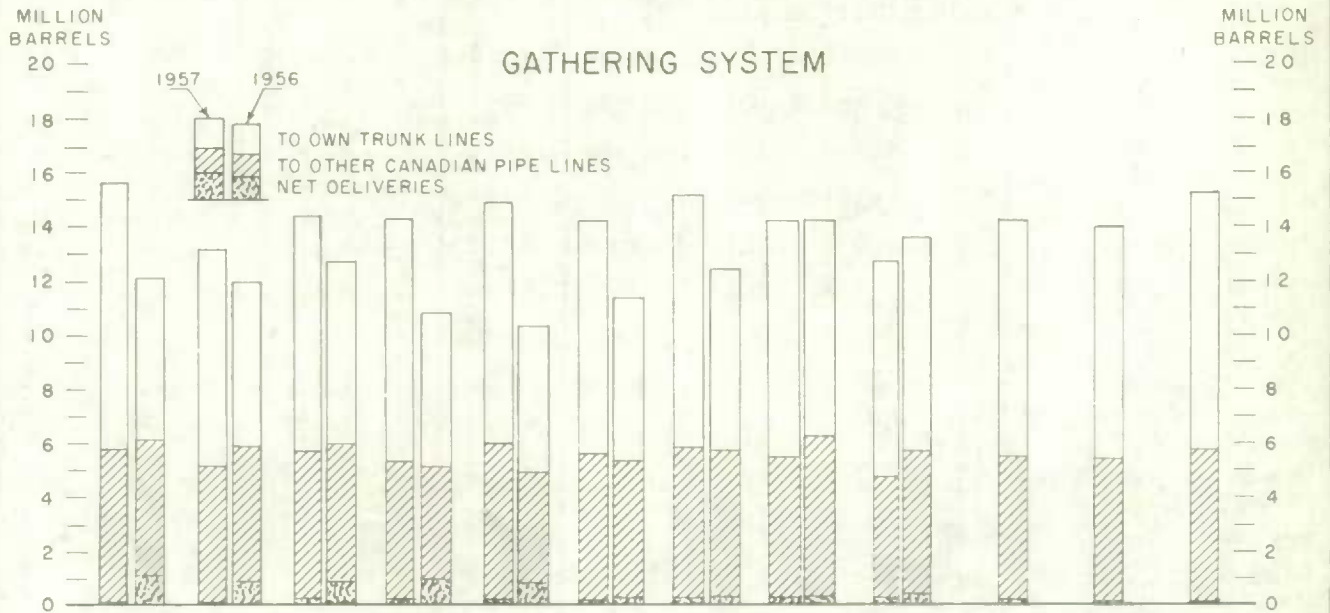
(5) Includes 33,441,924 bbls. products and 428,188 bbls. natural gasoline.

(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-Saakatchewan 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.

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# 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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