



## DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

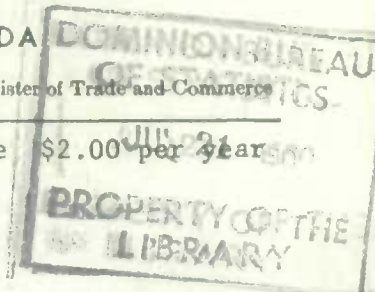
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## OIL PIPE LINE TRANSPORT

May, 1960



Canadian pipe lines recorded a total net delivery of 26,127,771 barrels of oil in May (Table 4) an increase of 10.9 p.c. above the 23,563,383 barrels reported in the same period one year earlier. This was a daily average of 842,831 barrels as compared with 760,109 in May, 1959. Barrel miles totalled 10,389 million for the month, rising 28.7 p.c. from 8,070 million in the previous year; associated with the increase in barrel miles was an increase in average length of haul, up 23.8 miles to 263.8 from 240.0.

Net deliveries for the five month period ending May 31, showed a rise of 6.1 p.c. to 138,259,902 barrels (Table 4) from 130,368,416 in the corresponding period last year. Provincial deliveries, in barrels for January-May were as follows (1959 data in brackets): British Columbia 19,163,547 (13,229,442); Alberta 9,480,706 (9,150,731); Saskatchewan 8,212,214 (8,403,380); Manitoba 45,456,414 (41,869,648); Ontario 21,215,910 (20,536,145); and Quebec 34,731,111 (37,179,070). Included in Manitoba deliveries were 40,673,940 barrels (37,480,591) transferred to the Lakehead Pipe Line Company at Gretna, the bulk of which moved through the United States destined for Ontario refineries. Exports via pipe line are shown in a footnote to Table 4.

Gathering systems handled an average of 535,692 barrels per day, an increase of 25.1 p.c. from the May, 1959 average of 428,287. Trunk line deliveries at 1,270,299 barrels per day were up 17.1 p.c. from the 1,084,555 registered one year ago.

During the month of May, net receipts totalled 25,591,463 barrels (Table 3) up 2,241,846 barrels or 9.6 p.c. from last year's 23,349,617. Monthly receipts were comprised of 11,394,619 barrels of Alberta crude and 41,248 barrels of Alberta natural gasoline, 4,367,280 barrels of Saskatchewan crude, 381,051 barrels of Manitoba crude, 5,964,148 barrels of imported crude and 3,443,117 barrels of refinery products.

The number of employees was down from the previous year, dropping to 1,562 from 1,576. Total salaries and wages, on the other hand, increased slightly to \$802,396 from \$771,886 in May, 1959.

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, Ltd., and the Goliad Oil and Gas Company, and employee data of the Amurex Oil Company, Anglo-Canadian Oils, Limited, Key Pipe Line Co., Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Limited, Peace River Oil Pipe Line Co., Ltd., Valley Pipe Line Company, Limited 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  
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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 May 1960 per table 6.....	230,304,328
Received into Trunk Lines from other Canadian Pipe Lines.....	92,827,970
"Net Received" into Canadian Pipe Line Systems.....	137,476,358
"Net Received" into Trunk Systems per table 1.....	59,542,493
"Net Received" into Gathering Systems per table 2.....	77,933,865
 Total Delivered out of Systems - all Companies -	
during May 1960 per table 6.....	234,875,398
Delivered to other Canadian Pipe Lines.....	96,615,496
"Net Delivered" from Canadian Pipe Line Systems.....	138,259,902
"Net Delivered" from Trunk Systems per table 1.....	134,055,034
"Net Delivered" from Gathering Systems per table 2.....	4,204,868

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 May and are given herewith:

OIL BALANCE - ALL COMPANIES - MAY 31, - 1960

	<u>Barrels</u>	
Total Shippers' Balances - January 1, 1960.....	10,841,258	
Total Carriers' Balances - January 1, 1960.....	1,194,848	12,036,106
Received into Gathering Systems January 1 to May 31, 1960.....	81,989,289	
Received into Trunk Systems January 1 to May 31, 1960.....	204,410,539	286,399,828
Total oil accountable for period.....		298,435,934
Delivered from Gathering Systems January 1 to May 31, 1960.....	81,933,517	
Delivered from Trunk Systems January 1 to May 31, 1960.....	204,992,218	286,925,735
Balance to be accounted for January 1 to May 31, 1960.....		11,510,199
Oil consumed as fuel and losses January 1 to May 31, 1960.....		169,423
Balance on hand - May 31, 1960.....		11,340,776
Total Shippers' Balances - May, 1960.....	10,125,116	
Total Carriers' Balances - May, 1960.....	1,215,660	

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
May, 1959	3,164,876	1,497,380	153,295
April, 1960	3,671,405	1,911,770	126,688
May, 1960	4,112,926	2,058,177	183,145

TABLE 1

OIL<sup>4</sup> CARRIED BY PIPE LINES - TRUNK

	May 1960	April 1960	May 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
1. Total Received* (2+3+4+5)	38,914,611	37,192,059	33,444,670	204,410,539
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	10,447,572	9,512,273	8,538,263	52,040,076
3. Other pipe lines - Gathering	7,143,663	6,425,330	5,043,956	33,985,779
4. Trunk	11,456,354	10,522,619	9,021,982	58,842,191
5. Net Received (6+7+8)	9,867,022	10,731,837	10,840,469	59,542,493
6. Originating on own trunk lines	3,696,271	4,601,525	3,728,221	23,747,576
7. Received from foreign pipe line connections	5,964,148	5,996,253	6,851,187	34,772,809
8. Received from other carriers (rail & truck)	206,603	134,059	261,061	1,022,108
9. Total Delivered* (10+11)	39,379,268	37,703,068	33,621,218	204,992,218
10. Less: Delivered to other Canadian trunk lines	14,238,410	13,228,858	11,070,066	70,937,184
11. Net Delivered (12+13+14)	25,140,858	24,474,210	22,551,152	134,055,034
12. Terminated on own trunk lines	15,126,428	15,503,325	15,405,328	84,968,633
13. Delivered to foreign pipe line connections	9,942,392	8,915,472	7,071,975	48,762,667
14. Delivered to other carriers (truck, rail & water)	72,038	55,413	73,849	323,734

TABLE 2

OIL<sup>6</sup> CARRIED BY PIPE LINES - GATHERING

	May 1960	April 1960	May 1960	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	16,593,564	14,691,759	13,264,379	81,989,289
16. Less: Received from other gathering systems	869,123	826,079	755,231	4,055,424
17. Net Received (18+19)	15,724,441	13,865,680	12,509,148	77,933,865
18. Originating on own gathering system	15,448,140	13,678,286	12,224,879	76,512,639
19. Received from other carriers (rail & truck)	276,301	187,394	284,269	1,421,226
20. Total Delivered* (21+22+23)	16,606,458	14,651,691	13,276,900	81,933,517
Less: Delivered to other pipe lines -				
21. Own Trunk system	10,447,572	9,512,273	8,538,263	52,050,337
22. Other pipe lines	5,171,973	4,443,841	3,726,406	25,678,312
23. Net Delivered (24+25)	986,913	695,577	1,012,231	4,204,868
24. Terminated on gathering systems	843,931	559,448	914,227	3,629,781
25. Delivered to other carriers (rail & truck)	142,982	136,129	98,004	575,087

<sup>4</sup> Includes natural gasoline and refinery products.

\* Includes duplications.

<sup>6</sup> Includes natural gasoline.



TABLE 3

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

Province		May 1960	April 1960	May 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	11,254,242	9,541,588	9,004,541	56,505,071
"	- Trunk	440,209	396,592	428,210	2,208,772
Saskatchewan	- Gathering	4,089,148	3,959,072	3,102,013	19,505,299
"	- Trunk	278,132	202,953	319,503	1,339,802
Manitoba	- Gathering	381,051	365,020	402,594	1,923,495
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	1,767,868	2,759,683	2,267,339	13,973,854
Quebec (3)	- Trunk	7,380,813	7,372,609	7,825,417	42,020,065
Net Received	- Gathering	15,724,441	13,865,680	12,509,148	77,933,865
" "	- Trunk	9,867,022	10,731,837	10,840,469	59,542,493
" "	- Total	25,591,463	24,597,517	23,349,617	137,476,358

TABLE 4

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

Province		May 1960	April 1960	May 1959	YEAR TO DATE 1960
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	4,151,514	3,794,130	2,663,759	19,163,547
Alberta (1)	- Gathering	898,094	606,463	968,270	3,835,913
"	- Trunk	1,228,514	897,762	1,136,622	5,644,793
Saskatchewan	- Gathering	88,819	89,114	43,961	368,955
"	- Trunk	1,684,732	1,601,301	1,480,138	7,843,259
Manitoba <sup>b</sup>	- Trunk	8,970,397	8,054,608	7,138,250	45,456,414
Ontario (2)	- Trunk	3,187,474	4,115,290	3,240,142	21,215,910
Quebec	- Trunk	5,918,227	6,011,119	6,892,241	34,731,111
Net Delivered	- Gathering	986,913	695,577	1,012,231	4,204,868
" "	- Trunk <sup>f</sup>	25,140,858	24,474,210	22,551,152	134,055,034
" "	- Total	26,127,771	25,169,787	23,563,383	138,259,902
" "	- Daily average	842,831	838,993	760,109	909,605
<sup>b</sup>	Includes deliveries to U.S. pipe lines, Gretna, Man.	8,019,216	7,187,116	6,474,188	40,673,940
<sup>f</sup>	Includes exports -				
	via Trans Mountain Oil Pipe Line Company	1,923,176	1,728,356	597,787	8,088,727
	via Interprovincial Pipe Line Company	1,745,756	1,837,201	1,499,401	10,029,633

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		May 1960	April 1960	May 1959	YEAR TO DATE 1960
Barrels Handled - Daily Average					
Gathering Systems	Barrels	535,692	488,390	428,287	539,036
Trunk Lines	"	1,270,299	1,256,769	1,084,555	1,348,633
Total Barrel Miles (Trunk Lines)	Millions	10,389	9,756	8,070	53,308
Average Miles Per Barrel (Trunk Lines)	Miles	263.8	258.7	240.0	260.0
Employees and Earnings (6)					
Average Number (4)	No.	1,562	1,517	1,576	1,513
Total Salaries and Wages	\$	802,396	780,318	771,886	3,886,590
Man-Hours Worked by Wage Earners (5) (6)	Hours	71,473	68,112	72,859	342,927

(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 Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Coliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Co., Ltd.; Valley Pipe Line Company, Limited 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
<b>TRAFFIC*</b>							
<b>Total Received into System</b>							
This month May, 1960	2,701,003	11,112,915	5,964,148	3,685,045	3,376,627	(2) 17,351,742	44,191,480
This year (5 months)	14,058,818	55,912,746	34,772,809	19,054,302	16,656,139	(3) 89,849,514	230,304,328
<b>Total Delivered out of System</b>							
This month May, 1960	2,700,937	11,055,832	5,918,227	4,151,541	3,379,687	(4) 18,331,957	45,538,154
This year (5 months)	14,056,254	56,060,997	34,731,111	19,163,547	16,763,761	(5) 94,099,728	234,875,398
<b>OPERATING STATISTICS</b>							
<b>Barrels Handled - Daily Average</b>							
<b>Gathering Lines</b>							
This month May, 1960	87,127	-	-	-	108,731	339,834	535,692
This year (5 months)	92,475	-	-	-	109,287	337,274	539,036
<b>Trunk Lines</b>							
This month May, 1960	-	356,639	190,911	133,920	109,022	479,807	1,270,299
This year (5 months)	-	368,822	228,494	126,076	110,288	514,953	1,348,633
<b>Total Barrel Miles (Trunk Lines)</b>							
<b>in millions</b>							
This month May, 1960	-	5,363	418	2,793	235	1,580	10,389
This year (5 months)	-	28,469	2,450	12,871	1,166	8,352	53,308
<b>Average Miles per Barrel (Trunk Lines)</b>							
This month May, 1960	-	454.0	70.5	673.0	69.6	106.2	263.8
This year (5 months)	-	474.0	70.5	672.0	69.6	106.7	260.0
<b>OPERATING REVENUES 1960</b>							
<b>Dollars</b>							
Three months ended Mar. 31	714,077	8,789,463	779,434	4,673,032	1,474,516	(6) 8,432,895	24,863,417
Six months " June 30							
Nine months " Sept. 30							
Twelve months " Dec. 31							
<b>EMPLOYEES AND EARNINGS</b>							
<b>Number</b>							
Employees, May, 1960	110	440	51	219	144	(7) 598	1,562
<b>Dollars</b>							
<b>Salaries and Wages</b>							
This month May, 1960	56,738	234,695	26,546	121,970	69,941	(7) 292,506	802,396
This year (5 months)	282,269	1,116,660	124,787	606,425	338,833	(7) 1,417,616	3,886,590
<b>Man hours Worked by Wage Earners</b>							
<b>Hours</b>							
This month May, 1960	11,047	430	6,206	648	13,418	(7) 39,724	71,473
This year (5 months)	55,280	1,858	29,402	1,538	64,596	(7) 190,253	342,927

\* Totals include duplication between companies.

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

(2) Includes 3,443,117 bbls. products and 41,248 bbls. natural gasoline.

(3) Includes 22,464,527 bbls. products and 231,456 bbls. natural gasoline.

(4) Includes 3,303,948 bbls. products and 43,397 bbls. natural gasoline.

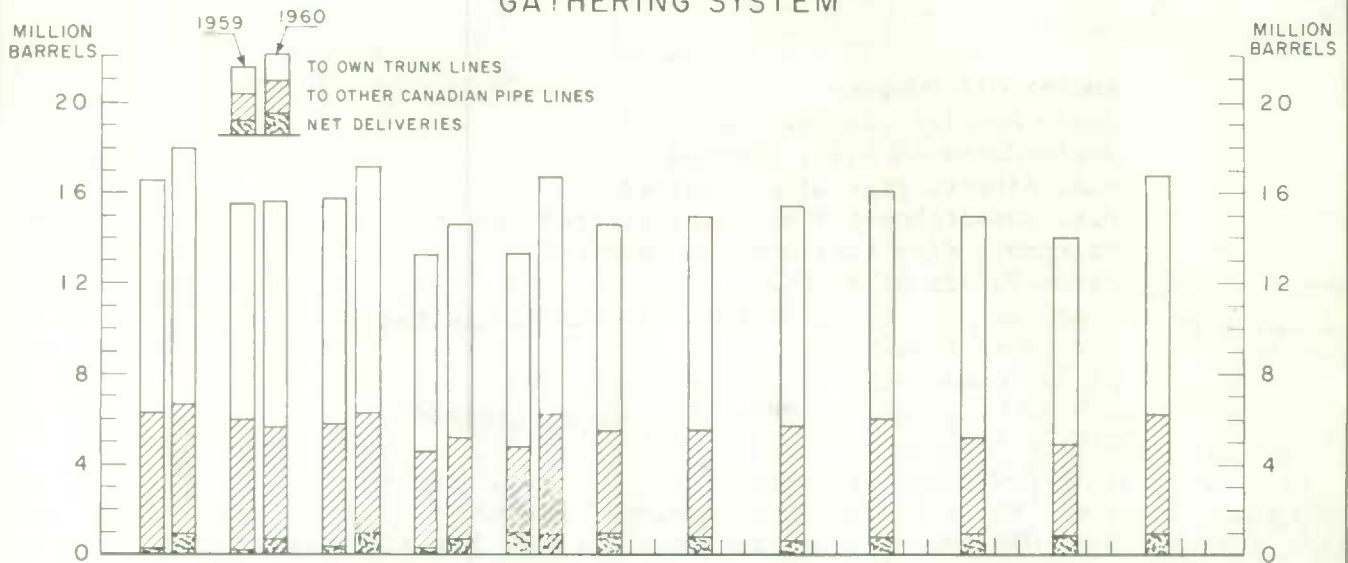
(5) Includes 21,800,467 bbls. products and 232,734 bbls. natural gasoline.

(6) Excludes 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.

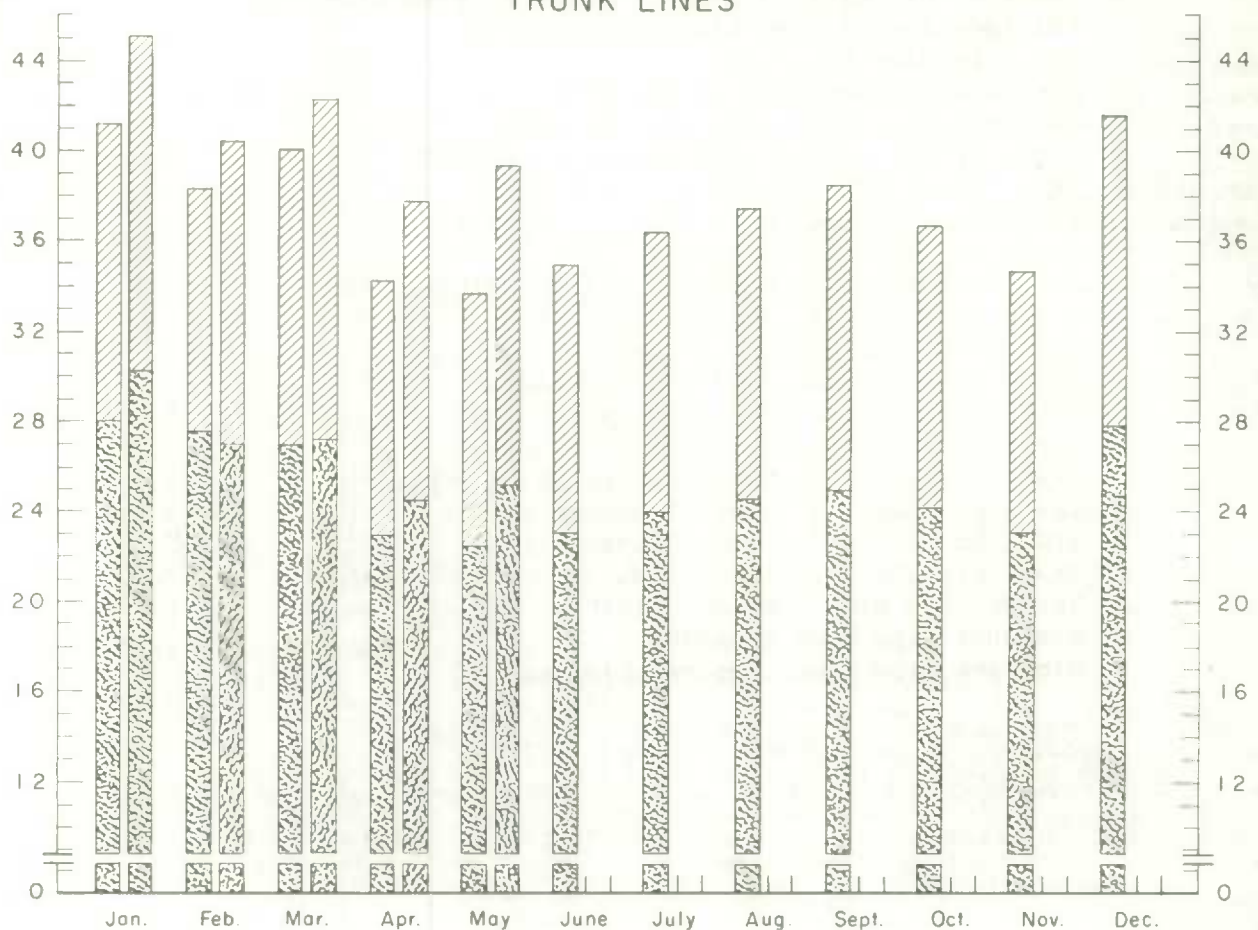
(7) Excludes Amurex Oil Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Mid-Saskatchewan Pipe Lines, Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line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

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 Lines Division  
The Imperial Pipe Line Company, Limited  
Imperial Oil Limited, Sarnia Products Pipe Line  
Interprovincial Pipe Line Company  
Key Pipe Line Co., Ltd.  
Mid-Saskatchewan Pipe Lines, 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.  
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.  
Valley Pipe Line Company, Limited  
Westspur Pipe Line Company  
Winnipeg Pipe Line Company, Limited.



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