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## PIPE LINES (OIL) STATISTICS

December, 1958

The December movement of oil through Canadian pipe lines reached a high point for the year with total net deliveries increasing 8.5 p.c. to 25,940,106 barrels compared with 23,907,630 in 1957 and 10.8 p.c. above the November figure of 23,414,831. The average delivery of 836,778 barrels per day in December compares with 771,214 barrels one year ago, and 780,494 barrels last month. Barrel miles increased to 9,537 million, 10.1 p.c. above the 8,659 million reported last December, and 8.4 p.c. above the previous month's 8,796 million. The average length of haul increased to 252.1 miles from 246.5 in 1957.

For the twelve months ended December 31, total net deliveries dropped 5.5 p.c. to 274,772,792 barrels from 290,857,612 in the previous year, the daily average delivery for the year of 752,802 barrels comparing with 796,870 barrels in 1957. Provincial deliveries in barrels for the year were as follows (1957 data in brackets): British Columbia 29,565,915 (56,535,164); Alberta 16,150,606 (13,570,320); Saskatchewan 16,289,075 (17,691,698); Manitoba 90,963,180 (77,441,741); Ontario 43,256,943 (44,189,759); and Quebec 78,547,073 (81,428,930). Included in Manitoba deliveries were 80,334,345 barrels (67,488,984) transferred to the Lakehead Pipe Line Company at Gretna, the bulk of which moved through the United States destined to Ontario refineries. Exports via pipe line fell to 29,750,328 barrels from 54,878,720 in 1957, a drop of 45.8 per cent.

Refinery products delivered during the year decreased slightly to 44,056,079 barrels from 44,928,730. Of this total, refined gasoline accounted for 24,245,691 barrels (25,078,012); distillate fuels for 16,259,288 barrels (15,951,297); and refined oil and other products for 3,551,100 barrels (3,899,421).

Net receipts for the month, at 26,755,397 barrels, increased 19.2 p.c. over last year's total of 22,448,570 and 14.2 p.c. above the 23,422,720 barrels received in November. The month's receipts were comprised of 10,887,650 barrels of Alberta crude and 59,652 barrels of Alberta natural gasoline, 3,528,338 barrels of Saskatchewan crude, 442,690 barrels of Manitoba crude, 7,061,013 barrels of imported crude and 4,776,054 barrels of refinery products.

Employment and earnings were down slightly this December with 1,575 employees earning \$772,905 compared with 1,671 employees earning \$813,710 one year ago.

Operating revenues for the last quarter of 1958 amounted to \$19,966,345, a decrease of 2.7 p.c. from the \$20,511,465 reported one year ago. The year's total also was down, decreasing 12.2 p.c. to \$76,995,992 from \$87,702,398.

Revenue and employee data for the Sarnie 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,  
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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.

	Barrels
Total Received into Systems - all companies -	
during twelve months of 1958, per table 6 .....	453,227,811
Received into Trunk Lines from other Canadian Pipe Lines .....	173,320,514
"Net Received" into Candian Pipe Line Systems .....	279,907,297
"Net Received" into Trunk Systems per table 1 .....	129,570,348
"Net Received" into Gathering Systems per table 2 .....	150,336,949
Total Delivered out of Systems - all companies -	
during twelve months of 1958, per table 6 .....	458,461,173
Delivered to other Canadian Pipe Lines .....	183,688,381
"Net Delivered" from Canadian Pipe Line Systems .....	274,772,792
"Net Delivered" from Trunk Systems per table 1 .....	272,815,448
"Net Delivered" from Gathering Systems per table 2 .....	1,957,344

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 31, 1958

	Barrels
Total Shippers Balances - January 1, 1958 .....	10,141,516
Total Carriers Balances - January 1, 1958 .....	1,069,013
Received into Gathering Systems January 1 to December 31, 1958 .....	156,301,805
Received into Trunk Systems January 1 to December 31, 1958 .....	401,690,317
Total oil accountable for period .....	557,992,122
Delivered from Gathering Systems January 1 to December 31, 1958 .....	156,366,488
Delivered from Trunk Systems January 1 to December 31, 1958 .....	400,894,469
Balance to be accounted for at December 31, 1958 .....	11,941,694
Oil consumed as fuel and losses January 1 to December 31, 1958 ....	355,459
Balance on hand - December 31, 1958 .....	11,586,235
Total Shippers Balances - December 31, 1958 .....	10,578,165
Total Carriers Balances - December 31, 1958 .....	1,008,070

The Interprovincial Pipe Line Company operates some 1,600 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 was extended in the fall of 1957 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, oil carried by these short sections is not included in Canadian oil pipe line statistics. However, commencing with April this year 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 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, 1957	3,016,315	1,785,514	623,220
November, 1958	4,057,960	1,545,126	175,928
December, 1958	4,319,251	1,986,673	165,328

TABLE 1

OIL<sup>1</sup> CARRIED BY PIPE LINES - TRUNK

	December 1958	November 1958	December 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	38,116,076	33,322,025	32,970,902	401,690,317
Less: Received from other Canadian pipe lines -				
2.     Own Gathering System	9,474,253	8,314,466	7,709,605	98,799,455
3.     Other pipe lines - Gathering	5,895,301	5,103,417	4,813,891	65,610,363
4.                     Trunk	10,361,635	8,698,865	9,003,468	107,719,151
5. <u>Net Received (6+7+8)</u>	12,384,887	11,205,277	11,443,938	129,570,348
6.     Originating on own trunk lines	5,148,874	4,206,224	4,598,556	47,810,732
7.     Received from foreign pipe line connections	7,061,013	6,845,981	6,493,619	78,577,075
8.     Received from other carriers (rail & truck)	175,000	153,072	351,763	3,182,541
9. <u>Total Delivered * (10+11)</u>	37,825,919	33,684,972	33,858,800	400,894,469
10. Less: Delivered to other Canadian trunk lines	12,046,842	10,433,025	10,100,708	128,079,021
11. <u>Net Delivered (12+13+14)</u>	25,779,077	23,251,947	23,758,092	272,815,448
12.     Terminated on own trunk lines	17,527,408	15,373,885	15,072,235	183,088,977
13.     Delivered to foreign pipe line connections	8,213,479	7,844,256	8,663,063	89,180,416
14.     Delivered to other carriers (truck, rail & water)	38,190	33,806	22,794	546,055

TABLE 2

OIL<sup>1</sup> CARRIED BY PIPE LINES - GATHERING

	December 1958	November 1958	December 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	15,093,097	12,878,922	12,004,632	156,301,805
16. Less: Received from other gathering systems	722,587	661,479	-	5,964,856
17. <u>Net Received (18+19)</u>	14,370,510	12,217,443	12,004,632	150,336,949
18.     Originating on own gathering system	14,069,723	11,974,620	11,826,388	147,815,652
19.     Received from other carriers (rail & truck)	300,787	242,823	178,244	2,521,297
20. <u>Total Delivered * (21+22+23)</u>	15,060,973	12,892,210	12,043,526	156,366,488
Less: Delivered to other pipe lines -				
21.     Own Trunk system	9,474,253	8,314,466	7,709,605	98,799,784
22.     Other pipe lines	5,425,691	4,414,860	4,184,383	55,609,360
23. <u>Net Delivered (24+25)</u>	161,029	162,884	149,538	1,957,344
24.     Terminated on gathering systems	85,609	82,559	50,168	977,905
25.     Delivered to other carriers (rail & truck)	75,420	80,325	99,370	979,439

<sup>1</sup> Includes natural gasoline and refinery products.

\* Includes duplications.

<sup>2</sup> Includes natural gasoline.



TABLE 3

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

Province		December 1958	November 1958	December 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	10,617,903	8,613,995	8,322,041	106,044,548
"	- Trunk	412,994	361,937	457,930	4,715,928
Saskatchewan	- Gathering	3,309,917	3,175,195	3,150,049	38,515,410
"	- Trunk	218,421	185,705	325,572	3,037,281
Manitoba	- Gathering	442,690	428,253	532,542	5,776,991
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	3,274,030	2,318,411	2,557,027	27,292,512
Quebec (3)	- Trunk	8,479,442	8,339,224	8,103,409	94,524,627
Net Received	- Gathering	14,370,510	12,217,443	12,004,632	150,336,949
" "	- Trunk	12,384,887	11,205,277	11,443,938	129,570,348
" "	- Total	26,755,397	23,422,720	22,448,570	279,907,297

TABLE 4

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

Province		December 1958	November 1958	December 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	2,334,321	2,130,279	3,223,243	29,565,915
Alberta (1)	- Gathering	126,461	122,626	92,434	1,443,603
"	- Trunk	1,030,681	998,382	828,821	14,707,003
Saskatchewan	- Gathering	34,568	40,258	57,104	513,741
"	- Trunk	1,666,629	1,205,340	1,423,047	15,775,334
Manitoba <sup>δ</sup>	- Trunk	8,949,631	8,272,297	7,581,609	90,963,180
Ontario (2)	- Trunk	4,696,242	3,823,224	4,156,169	43,256,942
Quebec	- Trunk	7,101,573	6,822,425	6,545,203	78,547,073
Net Delivered	- Gathering	161,029	162,884	149,538	1,957,344
" "	- Trunk <sup>δ</sup>	25,779,077	23,251,947	23,758,092	272,815,448
" "	- Total	25,940,106	23,414,831	23,907,630	274,772,792
" "	- Daily average	836,778	780,494	771,214	752,802
<sup>δ</sup> Includes deliveries to U.S. pipe lines, Gretna, Man.		7,903,423	7,446,109	6,636,031	80,334,345
<sup>δ</sup> Includes exports -					
via Trans Mountain Oil Pipe Line Company		310,056	398,147	2,027,032	8,968,639
via Interprovincial Pipe Line Company		1,852,088	1,694,717	2,094,393	20,781,689

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		December 1958	November 1958	December 1957	YEAR TO DATE 1958
Barrels Handled - Daily Average					
Gathering Systems	Barrels	485,838	429,740	388,501	428,401
Trunk Lines	"	1,220,191	1,122,832	1,092,219	1,098,341
Total Barrel Miles (Trunk Lines)	Millions	9,537	8,796	8,659 <sup>(7)</sup>	98,142
Average Miles Per Barrel (Trunk Lines)	Miles	252.1	261.1	246.5	244.8
Employees and Earnings (6)					
Average Number (4)	No.	1,575	1,579	1,671	1,653
Total Salaries and Wages	\$	772,905	753,542	818,710	9,320,141
Man-Hours Worked by Wage Earners (5) (6)	Hours	71,517	67,063	71,283	855,225

(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, Valley Pipe Line Company, Ltd., and Westpur Pipe Line Company.

(7) Revised to include barrel miles of short sections of line entering Canada at Sarnia (See page 2).

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

December, 1958

	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 December, 1958	3,047,492	10,503,190	7,061,013	2,580,698	3,331,642	(2) 16,488,298	43,012,333
This year (12 months)	30,052,437	110,576,234	78,577,075	29,599,256	35,100,547	(3) 169,322,262	453,227,811
<u>Total Delivered out of System</u>							
This month December, 1958	3,045,275	10,540,825	7,101,573	2,334,321	3,220,829	(4) 17,169,816	43,412,639
This year (12 months)	30,054,696	109,845,891	78,547,073	29,565,915	35,004,880	(5) 175,442,718	458,461,173
<b>OPERATING STATISTICS</b>							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month December, 1958	98,235	-	-	-	107,115	280,488	485,838
This year (12 months)	82,342	-	-	-	95,895	250,164	428,401
<u>Trunk Lines</u>							
This month December, 1958	-	340,027	229,083	75,301	103,898	471,882	1,220,191
This year	-	300,948	215,197	81,003	95,904	405,289	1,098,341
<u>Total Barrel Miles</u>				<u>Miles</u>			
(Trunk Lines - in millions)							
This month December, 1958	-	5,663	501	1,569	224	1,580 <sup>(8)</sup>	9,537
This year (12 months)	-	53,556	5,702	19,985	2,433	16,466 <sup>(8)</sup>	98,142
<u>Average Miles Per Barrel</u>							
(Trunk Lines)							
This month December, 1958	-	504.0	70.6	672.0	69.5	108.0	252.1
This year (12 months)	-	462.0	72.6	676.0	69.5	113.1	244.8
<b>OPERATING REVENUES</b>				<u>Dollars</u>			
Three Months ending Mar. 31, 1958	740,332	6,851,428	692,787	4,022,400	1,195,323	(7) 6,835,979	20,338,249
Six Months ending June 30, 1958	1,272,173	12,788,597	1,330,579	7,032,152	2,345,686	(7) 13,092,402	37,861,589
Nine Months ending Sept. 30, 1958	1,847,991	19,435,590	2,005,120	10,021,728	3,700,226	(7) 20,018,992	57,029,647
Twelve Months ending Dec. 31, 1958	2,444,466	27,015,502	2,749,998	12,707,941	5,110,608	(7) 26,967,477	76,995,992
<b>EMPLOYEES AND EARNINGS</b>				<u>Number</u>			
Number of Employees December, 1958	144	423	51	220	146	(6) 591	1,575
<u>Salaries and Wages</u>				<u>Dollars</u>			
This month December, 1958	63,535	222,871	23,965	117,956	74,177	(6) 270,401	772,905
This year (12 months)	791,673	2,547,627	296,084	1,505,772	853,837	(6) 3,325,148	9,320,141
<u>Man-Hours Worked by Wage Earners</u>				<u>Hours</u>			
This month December, 1958	16,156	1,000	6,111	-	14,820	(6) 33,430	71,517
This year (12 months)	200,974	6,626	76,370	400	174,002	(6) 396,853	855,225

\* Totals include duplication between companies.

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

(2) Includes 4,776,054 bbls. products and 59,652 bbls. natural gasoline.

(3) Includes 44,042,734 bbls. products and 557,162 bbls. natural gasoline.

(4) Includes 4,779,021 bbls. products and 53,367 bbls. natural gasoline.

(5) Includes 44,056,079 bbls. products and 547,847 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; Valley Pipe Line Company, Limited and Westspur Pipe Line Company.

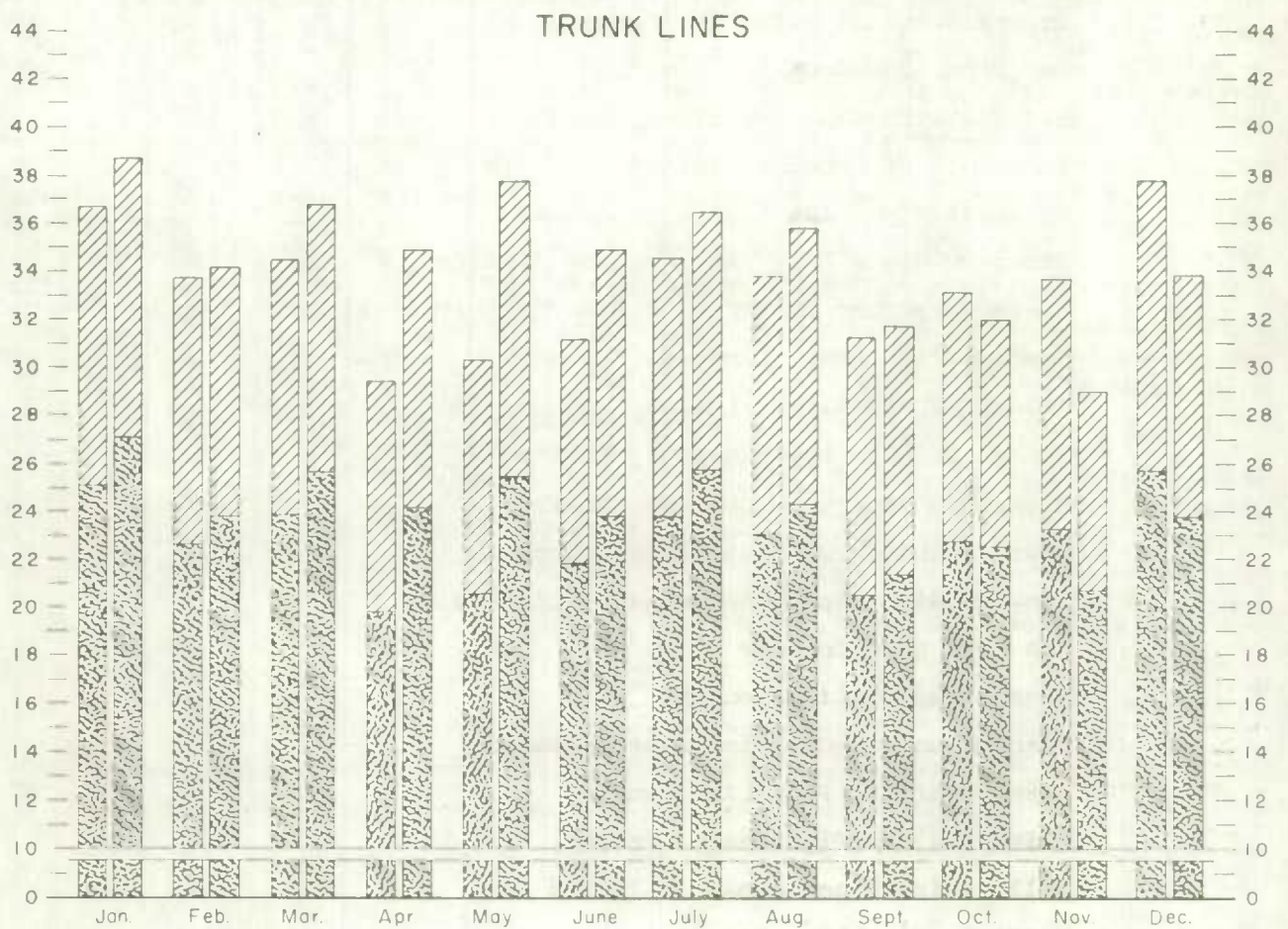
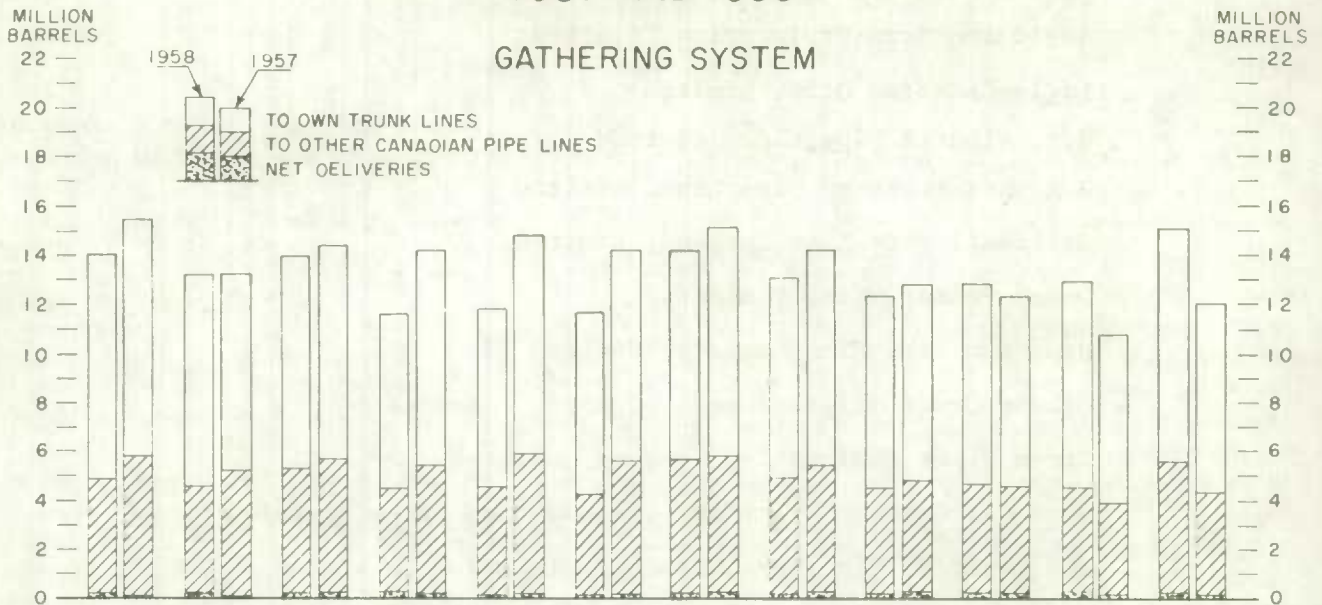
(7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Green River Exploration Company; Mobil Oil of Canada Limited and Sarnia Products Line.

(8) Includes barrel miles of short sections of line entering Canada at Sarnia.

Revenues .08<sup>4</sup>/barrel mile  
500 mm(-) 4 bbls. rec'd + del'd.  
+ 77 mm revenues.



# MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1957 AND 1958



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  
Gibson Crude Oil Purchasing Company, Limited  
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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