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OIL PIPE LINE TRANSPORT

December, 1959

Net deliveries of oil through Canadian pipe lines reached a new high of 28,847,321 barrels in December, 1.8 p.c. above the previous high of 28,336,051 recorded in January, 1959. This December total was 11.2 p.c. above the total of 25,940,106 barrels in December, 1958 and 19.9 p.c. above the total of 24,068,978 in November, 1959. The daily average delivery of 930,559 barrels per day compares with 836,778 barrels in December, 1958. Barrel miles increased 14.9 p.c. to 10,956 million from 9,537 million one year earlier while the average length of haul rose to 263.2 from 252.1.

For the year ended December 31, 1959, total net deliveries rose 12.3 p.c. to 308,454,005 barrels from 274,772,792 in the preceding year, the daily average delivery increasing to 845,079 barrels from 752,802. Provincial deliveries, in barrels, for the year were as follows (1958 data in brackets): British Columbia 35,857,162 (29,565,915); Alberta 22,741,019 (16,150,606); Saskatchewan 18,509,119 (16,289,075); Manitoba 101,281,559 (90,963,180); Ontario 45,693,356 (43,256,943); and Quebec 84,371,790 (78,547,073). Included in Manitoba deliveries were 90,304,375 barrels (80,334,345) 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 dropped to 27,398,880 barrels from 29,750,328 in 1958, a decrease of 7.9 p.c.

Refinery products delivered during 1959 rose 6.7 p.c. to 47,029,608 barrels from 44,056,079 in 1958. Of this total, refined gasoline accounted for 24,866,285 barrels (24,245,691 in 1958); distillate fuels for 17,971,451 barrels (16,259,288); and refined oil and other products for 4,191,872 barrels (3,551,100).

Net receipts for the month of December, at 28,695,495 barrels, were up 7.1 p.c. from the total of 26,801,081 recorded one year earlier and up 17.2 p.c. from the 24,477,734 received in November. Comprising the month's receipts were 11,950,628 barrels of Alberta crude and 47,882 barrels of Alberta natural gasoline, 3,922,720 barrels of Saskatchewan crude, 422,139 barrels of Manitoba crude, 7,426,750 barrels of imported crude and 4,925,376 barrels of refinery products.

The number of employees was down 9.3 p.c. from the previous December, dropping to 1,502 from 1,656. Total salaries and wages, on the other hand, increased slightly to \$793,511 from \$773,745.

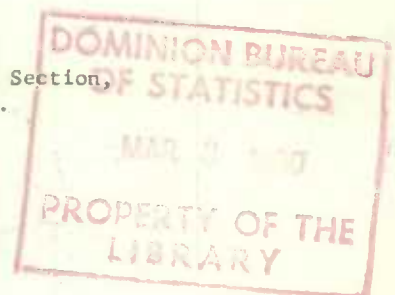
Operating revenues for the last quarter of 1959 amounted to \$21,834,963, an increase of 9.5 p.c. over the \$19,944,400* reported for the comparable period of 1958. The year's total also was up, increasing 12.9 p.c. to \$86,897,575 from \$76,974,046*.

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 the Goliad Oil and Gas Company, and employee data of the Amurex Oil Development Company, Anglo-Canadian Oils, Ltd., Key Pipe Line Company, Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Peace River Oil Pipe Line Company, Ltd., and Valley Pipe Line Company, Ltd., have been omitted. Data on 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,
Public Finance and Transportation Division.

8504-508-120



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 1959 per table 6	506,386,140
Received into Trunk Lines from other Canadian Pipe Lines	196,273,621
"Net Received" into Canadian Pipe Line Systems	310,112,519
"Net Received" into Trunk Systems per table 1	138,750,768
"Net Received" into Gathering Systems per table 2	171,361,751
Total Delivered out of Systems - all Companies -	
during twelve months of 1959 per table 6	514,700,388
Delivered to other Canadian Pipe Lines	206,246,383
"Net Delivered" from Canadian Pipe Line Systems	308,454,005
"Net Delivered" from Trunk Systems per table 1	300,132,805
"Net Delivered" from Gathering Systems per table 2	8,321,200

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, 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 December 31, 1959	180,457,523	
Received into Trunk Systems January 1 to December 31, 1959	449,030,495	629,488,018
Total oil accountable for period		641,135,079
Delivered from Gathering Systems January 1 to December 31, 1959	180,438,929	
Delivered from Trunk Systems January 1 to December 31, 1959	448,290,941	628,729,870
Balance to be accounted for at December 31, 1959		12,405,209
Oil consumed as fuel and losses January 1 to December 31, 1959		369,103
Balance on hand - December 31, 1959		12,036,106
Total Shippers' Balances - December 31, 1959	10,841,258	
Total Carriers' Balances - December 31, 1959	1,194,848	

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, 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
December, 1958	4,319,251	1,986,673	165,328
November, 1959	2,893,185	2,022,036	172,174
December, 1959	4,197,176	2,355,526	189,996

ERRATA
OIL PIPE LINE TRANSPORT
December, 1959

Page 1 paragraph 2, line 8

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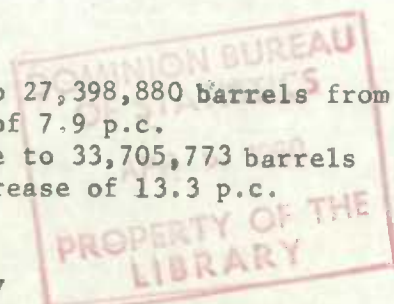
Should read - Exports via pipe line rose to 33,705,773 barrels from 29,750,328 in 1958, an increase of 13.3 p.c.

Page 4 ✱ includes exports-
via Trans Mountain Oil Pipe Line Company

	<u>December</u>	<u>Year to date</u>
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Should read.....	1,308,065	13,271,836

Via Interprovincial Pipe Line Company

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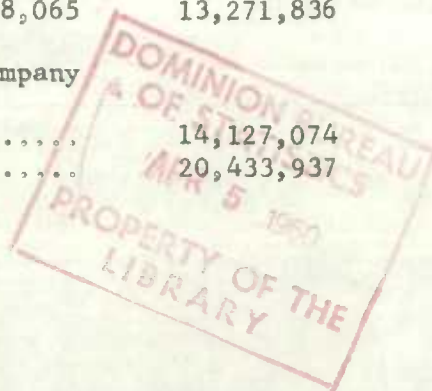


TABLE 1

OIL^a CARRIED BY PIPE LINES - TRUNK

	December 1959	November 1959	December 1958	YEAR TO DATE 1959
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received* (2+3+4+5)</u>	41,493,578	35,063,733	38,161,760	449,030,495
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	10,460,588	8,976,864	9,519,937	114,006,106
3. Other pipe lines - Gathering	6,526,787	5,461,431	5,895,301	70,188,065
4. Trunk	11,671,354	9,379,625	10,361,635	126,085,556
5. <u>Net Received (6+7+8)</u>	12,834,849	11,245,813	12,384,887	138,750,768
6. Originating on own trunk lines	5,223,411	4,206,619	5,148,874	51,628,816
7. Received from foreign pipe line connections	7,426,750	6,833,298	7,061,013	84,394,929
8. Received from other carriers (rail & truck)	184,688	205,896	175,000	2,727,023
9. <u>Total Delivered* (10+11)</u>	41,628,748	34,776,083	37,825,919	448,290,941
10. Less: Delivered to other Canadian trunk lines	13,774,771	11,630,572	12,046,842	148,158,136
11. <u>Net Delivered (12+13+14)</u>	27,853,977	23,145,511	25,779,077	300,132,805
12. Terminated on own trunk lines	17,659,048	15,660,737	17,527,408	195,734,233
13. Delivered to foreign pipe line connections	10,131,684	7,420,567	8,213,479	103,576,211
14. Delivered to other carriers (truck, rail & water)	63,245	64,207	38,190	822,361

TABLE 2

OIL^b CARRIED BY PIPE LINES - GATHERING

	December 1959	November 1959	December 1958	YEAR TO DATE 1959
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	16,706,553	14,020,851	15,138,781	180,457,523
16. Less: Received from other gathering systems	845,907	788,930	722,587	9,095,772
17. <u>Net Received (18+19)</u>	15,860,646	13,231,921	14,416,194	171,361,751
18. Originating on own gathering system	15,588,310	12,958,908	14,107,055	167,787,343
19. Received from other carriers (rail & truck)	272,336	273,013	309,139	3,574,408
20. <u>Total Delivered* (21+22+23)</u>	16,720,335	13,948,521	15,106,657	180,438,929
Less: Delivered to other pipe lines -				
21. Own Trunk system	10,460,588	9,000,240	9,519,937	114,029,482
22. Other pipe lines	5,266,403	4,024,814	5,425,691	58,088,247
23. <u>Net Delivered (24+25)</u>	993,344	923,467	161,029	8,321,200
24. Terminated on gathering systems	873,701	807,424	85,609	6,890,496
25. Delivered to other carriers (rail & truck)	119,643	116,043	75,420	1,430,704

^a Includes natural gasoline and refinery products.

^{*} Includes duplications.

^b Includes natural gasoline.

TABLE 3

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

Province		December 1959	November 1959	December 1958	YEAR TO DATE 1959
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	11,796,349	9,292,220	10,663,587	124,370,832
"	- Trunk	467,026	459,087	412,994	5,172,302
Saskatchewan	- Gathering	3,642,158	3,542,857	3,309,917	41,976,907
"	- Trunk	280,562	268,363	218,421	3,508,437
Manitoba	- Gathering	422,139	396,844	442,690	5,014,012
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	3,208,614	2,246,513	3,274,030	30,082,122
Quebec (3)	- Trunk	8,878,647	8,271,850	8,479,442	99,987,907
Net Received	- Gathering	15,860,646	13,231,921	14,416,194	171,361,751
" "	- Trunk	12,834,849	11,245,813	12,384,887	138,750,768
" "	- Total	28,695,495	24,477,734	26,801,081	310,112,519

TABLE 4

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

Province		December 1959	November 1959	December 1958	YEAR TO DATE 1959
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	3,272,111	2,598,446	2,334,321	35,857,162
Alberta (1)	- Gathering	907,999	844,617	126,461	7,418,683
"	- Trunk	1,069,839	1,224,647	1,030,681	15,322,336
Saskatchewan	- Gathering	85,345	78,850	34,568	902,517
"	- Trunk	1,531,880	1,434,344	1,666,629	17,606,602
Manitoba	- Trunk	9,875,155	7,343,462	8,949,631	101,281,559
Ontario (2)	- Trunk	4,647,741	3,690,749	4,696,242	45,693,356
Quebec	- Trunk	7,457,251	6,853,863	7,101,573	84,371,790
Net Delivered	- Gathering	993,344	923,467	161,029	8,321,200
" "	- Trunk	27,853,977	23,145,511	25,779,077	300,132,805
" "	- Total	28,847,321	24,068,978	25,940,106	308,454,005
" "	- Daily average	930,559	802,299	836,778	845,079
Includes deliveries to U.S. pipe lines, Grt. Man.		8,823,619	6,460,043	7,903,423	90,304,375
Includes exports -					
via Trans Mountain Oil Pipe Line Company		1,308,165	960,524	310,056	13,271,806
via Interprovincial Pipe Line Company		2,163,303	1,816,199	1,852,088	14,127,074

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		December 1959	November 1959	December 1958	YEAR TO DATE 1959
Barrels Handled - Daily Average					
Gathering Systems	Barrels	539,366	464,951	487,311	494,353
Trunk Lines	"	1,342,863	1,159,203	1,220,191	1,228,194
Total Barrel Miles (Trunk Lines)	Millions	10,956	8,409	9,537	114,154
Average Miles Per Barrel (Trunk Lines)	Miles	263.2	241.8	252.1	254.6
Employees and Earnings (6)					
Average Number (4)	No.	1,502	1,513	1,656	1,559
Total Salaries and Wages	\$	793,511	767,876	773,745	9,351,295
Man-Hours Worked by Wage Earners (5) (6)	Hours	73,315	69,015	71,517	853,241

(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.; Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Company, Ltd.; Mid-Saskatchewan Pipe Lines, 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
December 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
TRAFFIC*				- Barrels -			
<u>Total Received into System</u>							
This month December, 1959	3,167,335	11,589,244	7,426,750	3,217,209	3,454,987	(2) 18,038,111	46,893,636
This year (12 months)	32,995,702	123,576,177	84,394,929	35,909,713	38,000,161	(3) 191,509,458	506,386,140
<u>Total Delivered out of System</u>							
This month December, 1959	3,175,088	11,756,876	7,457,251	3,272,111	3,363,150	(4) 18,864,019	47,888,495
This year (12 months)	33,011,682	123,009,905	84,371,790	35,857,162	37,915,441	(5) 200,534,408	514,700,388
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month December, 1959	102,422	-	-	-	111,118	325,826	539,366
This year (12 months)	90,443	-	-	-	104,035	299,875	494,353
<u>Trunk Lines</u>							
This month December, 1959	-	379,254	240,556	105,552	108,489	509,012	1,342,863
This year (12 months)	-	337,013	231,156	98,239	103,878	457,908	1,228,194
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month December, 1959	-	6,355	526	2,196	234	1,645	10,956
This year (12 months)	-	63,690	5,953	24,098	2,638	17,775	114,154
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month December, 1959	-	506.0	70.6	671.0	69.6	104.3	263.2
This year (12 months)	-	484.0	70.6	672.0	69.6	106.4	254.6
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	2,586,897	31,175,240	2,905,338	15,011,614	5,614,695	(6) 29,603,791	86,897,575
EMPLOYEES AND EARNINGS				Number			
Employees December, 1959	115	423	49	216	143	(7) 556	1,502
<u>Salaries and Wages</u>				Dollars			
This month December, 1959	57,800	236,432	24,192	125,515	73,508	(7) 276,064	793,511
This year (12 months)	748,174	2,647,234	307,852	1,479,161	843,727	(7) 3,325,147	9,351,295
<u>Man hours Worked by Wage Earners</u>				Hours			
This month December, 1959	12,676	548	5,882	160	13,850	(7) 40,199	73,315
This year (12 months)	163,348	7,035	74,995	2,288	165,371	(7) 440,204	853,241

* Totals include duplication between companies.

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

(2) Includes 4,925,376 bbls. products and 47,882 bbls. natural gasoline.

(3) Includes 48,518,568 bbls. products and 583,187 bbls. natural gasoline.

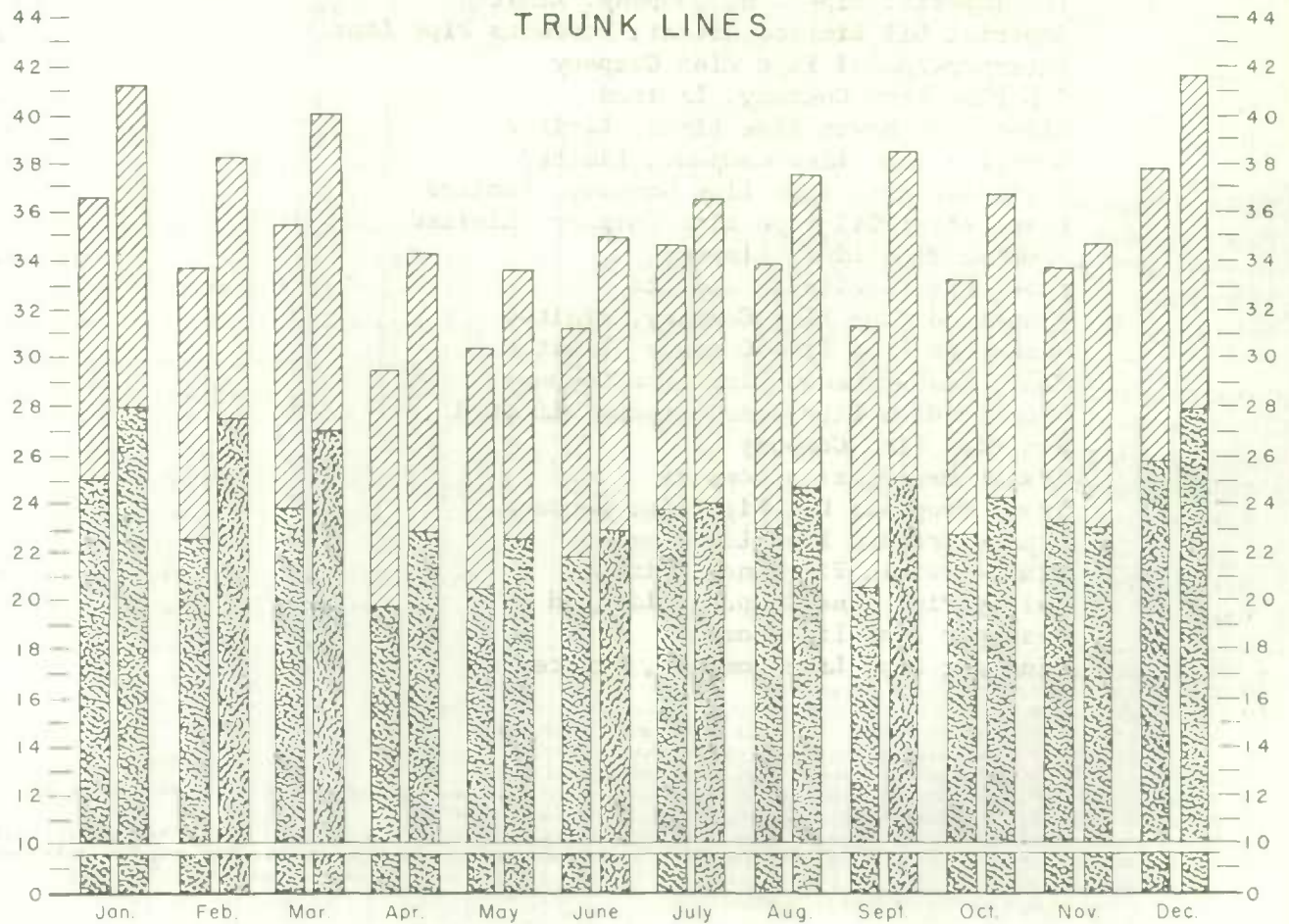
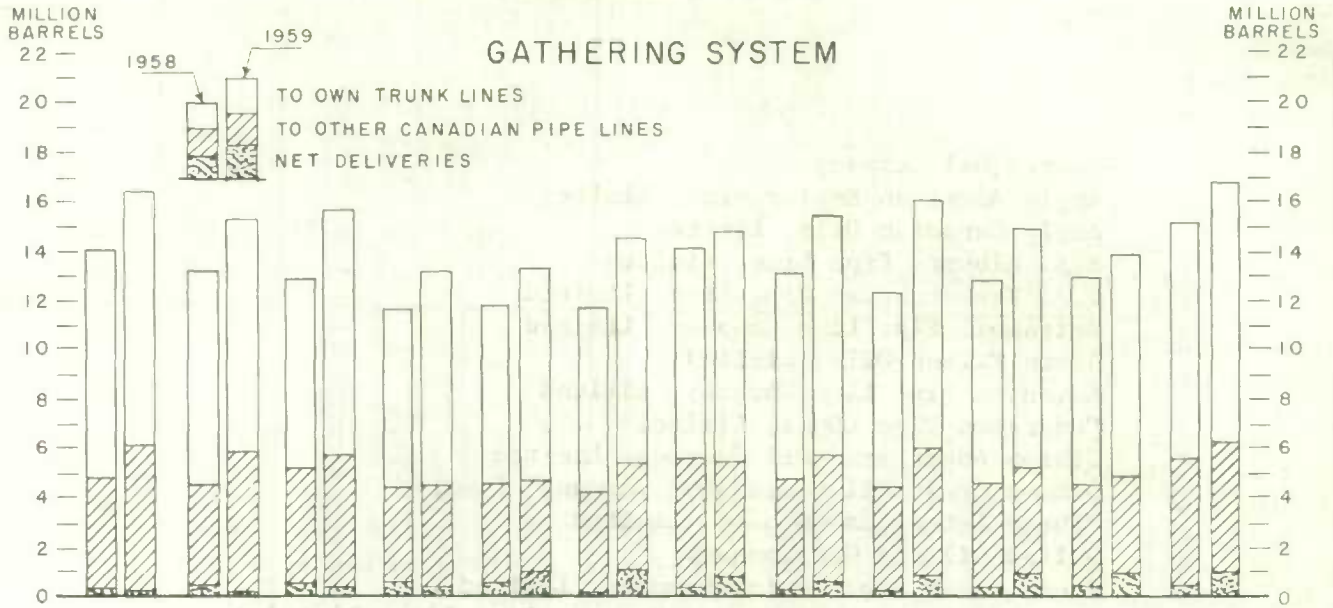
(4) Includes 4,779,877 bbls. products and 53,296 bbls. natural gasoline.

(5) Includes 47,029,608 bbls. products and 587,061 bbls. natural gasoline.

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

(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; 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
Kep Pipe Line Company, Limited
Mid-Saskatchewan Pipe Lines, 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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