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OIL PIPE LINE TRANSPORT

December, 1960

Net deliveries of oil through Canadian pipe lines decreased 3.5 p.c. in December to 27,868,535 barrels from 28,884,478 in the same month last year. In spite of the decrease from 1959, net deliveries were 7.4 p.c. above the total of 25,940,106 barrels in December, 1958 and 16.6 p.c. above the total of 23,907,630 in December 1957. An average of 898,985 barrels per day were delivered compared with 931,757 one year earlier. Barrel miles decreased to 10,202 millions from 10,956 in December, 1959 and the average length of haul fell to 245.8 miles from 263.2.

For the year ended December 31, 1960, total net deliveries rose 2.2 p.c. to 315,200,874 barrels from 308,491,162 in the preceding year, the daily average delivery increasing to 861,205 barrels from 845,181. Provincial deliveries, in barrels, for January-December were as follows (1959 data in brackets): Yukon Territory 320,360 (37,157); British Columbia 41,410,329 (35,857,162); Alberta 23,068,781 (22,741,019); Saskatchewan 18,235,423 (18,509,119); Manitoba 105,433,572 (101,281,559); Ontario 47,562,321 (45,693,356); and Quebec 79,170,088 (84,371,790). Included in Manitoba deliveries were 94,158,074 barrels (90,304,375) 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 rose to 41,371,872 barrels from 33,705,743 in 1959, an increase of 22.7 p.c.

Refinery products delivered during 1960 rose 4.6 p.c. to 49,250,219 from 47,066,765 in 1959. Of this total refined gasoline accounted for 26,568,707 barrels (24,866,285 in 1959); distillate fuels 18,170,168 (17,971,451); and refined oil and other products 4,511,344 (4,229,029).

Net receipts for the month of December, at 28,495,895 barrels, were down slightly from the total of 28,773,170 recorded one year earlier. The month's receipts were composed of the first pipe-line movements of oil in British Columbia amounting to 14,896 barrels. Other receipts were: 11,476,665 barrels of Alberta crude; and 43,813 barrels of Alberta natural gasoline; 4,160,685 barrels of Saskatchewan crude; 422,656 barrels of Manitoba crude, 7,504,409 barrels of imported crude; and 4,872,771 barrels of refinery products.

Although the number of employees decreased to 1,496, the lowest December employment since 1955, salaries and wages at \$816,909 were the highest December total since 1957.

Operating revenues for the last quarter of 1960 amounted to \$22,082,547, a slight increase over the \$21,834,963 reported for the comparable period of 1959. The year's total also was up, increasing 7.0 p.c. to \$93,002,123 from \$86,897,575.

Since the beginning of the year four additional lines have commenced reporting. These are Alaska-Yukon Pipelines Ltd., operating a products line from a point on the Alaska-Yukon border to Whitehorse, Yukon Territory; Yukon Pipelines Limited, operating a products line from Summit, British Columbia to Whitehorse, Yukon Territory; the Windfall system of Hudson's Bay Oil and Gas Company Limited carrying crude condensate from Windfall to Edson, Alberta and Trans Prairie Pipe Lines (B.C.) Ltd., from gathering fields in British Columbia to the refinery at Dawson Creek.

Revenue and employee data for the Anglo American Exploration, Ltd., Goliad Oil and Gas Company and 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 activities of these companies and is not separable. For the same reason revenue data of the Alaska-Yukon Pipelines Ltd., and employee data of the Amurex Oil Company, Anglo-Canadian Oils Limited, Hudson's Bay Oil and Gas Company Limited (Windfall Line), Key Pipe Line Co. Ltd., Nisku Products Pipe Line Company Limited, Peace River Oil Pipe Line Co. Ltd., Royalite Oil Company Limited (Mid-Saskatchewan Pipe Line Dept. and Valley Pipe Line Dept.) 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
Public Finance and Transportation Division.

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 -	
January 1 to December 31, 1960 per table 6.....	528,858,057
Received into Trunk Lines from other Canadian Pipe Lines.....	212,763,602
"Net Received" into Canadian Pipe Line Systems.....	316,094,455
"Net Received" into Trunk Systems per table 1.....	135,504,760
"Net Received" into Gathering Systems per table 2.....	180,589,695
Total Delivered out of Systems - all Companies -	
January 1 to December 31, 1960 per table 6.....	537,876,692
Delivered to other Canadian Pipe Lines.....	222,675,818
"Net Delivered" from Canadian Pipe Line Systems.....	315,200,874
"Net Delivered" from Trunk Systems per table 1.....	305,871,928
"Net Delivered" from Gathering Systems per table 2.....	9,328,946

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^r - ALL COMPANIES - December 31, 1960

	Barrels
Total Shippers' Balances - January 1, 1960.....	10,887,060
Total Carriers' Balances - January 1, 1960.....	1,282,390
Received into Gathering Systems January 1 to December 31, 1960....	191,238,769
Received into Trunk Systems January 1 to December 31, 1960.....	470,669,127
Total oil accountable for period.....	661,907,896
Delivered from Gathering Systems January 1 to December 31, 1960...	674,077,346
Delivered from Trunk Systems January 1 to December 31, 1960.....	191,015,072
Balance to be accounted for January 1 to December 31, 1960.....	470,649,870
Oil consumed as fuel and losses January 1 to December 31, 1960.	661,664,942
Balance on hand - December 31, 1960.....	12,412,404
Total Shippers' Balances - December 31, 1960.....	352,781
Total Carriers' Balances - December 31, 1960.....	12,059,623
	10,638,428
	1,421,195

^r Revised

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 Sarnia	Clarkson, Port Credit and Trafalgar	Crude and Refined Oil Delivered at Sarnia
	Barrels	Barrels	Barrels
December 1959	4,197,176	2,355,526	149,521
November 1960	3,966,658	1,907,871	168,890
December 1960	3,725,502	1,941,855	171,569

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	December 1960	November ^f 1960	December ^f 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received* (2+3+4+5)</u>	41,958,727	39,165,296	41,531,253	470,669,127
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	10,925,707	9,972,057	10,460,588	122,400,765
3. Other pipe lines - Gathering	6,494,598	5,811,048	6,526,787	79,523,944
4. Trunk	11,739,220	11,436,841	11,671,354	133,239,658
5. Net Received (6+7+8)	12,799,202	11,945,350	12,872,524	135,504,760
6. Originating on own trunk lines	5,065,219	4,423,067	5,261,086	53,520,583
7. Received from foreign pipe line connections	7,529,448	7,304,291	7,426,750	79,403,409
8. Received from other carriers (rail & truck)	204,535	217,992	184,688	2,580,768
9. <u>Total Delivered* (10+11)</u>	41,501,630	39,948,264	41,665,905	470,649,870
10. Less: Delivered to other Canadian trunk lines	14,448,368	13,916,472	13,774,771	164,777,942
11. Net Delivered (12+13+14)	27,053,262	26,031,792	27,891,134	305,871,928
12. Terminated on own trunk lines	17,809,490	16,492,027	17,696,205	192,898,892
13. Delivered to foreign pipe line connections	9,201,345	9,484,992	10,131,684	112,284,001
14. Delivered to other carriers (truck, rail & water)	42,427	54,773	63,245	689,035

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	December 1960	November 1960	December 1959	YEAR TO DATE 1960
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	16,625,538	15,178,128	16,706,553	191,238,769
16. Less: Received from other gathering systems	928,845	859,617	845,907	10,649,074
17. Net Received (18+19)	15,696,693	14,318,511	15,860,646	180,589,695
18. Originating on own gathering system	15,484,042	14,090,782	15,588,310	177,436,475
19. Received from other carriers (rail & truck)	212,651	227,729	272,336	3,153,220
20. <u>Total Delivered* (21+22+23)</u>	16,691,495	15,197,148	16,720,335	191,015,072
Less: Delivered to other pipe lines -				
21. Own Trunk system	11,210,726	10,243,724	10,460,588	123,788,250
22. Other pipe lines	4,665,496	4,152,048	5,266,403	57,897,876
23. Net Delivered (24+25)	815,273	801,376	993,344	9,328,946
24. Terminated on gathering systems	751,497	736,105	873,701	8,149,906
25. Delivered to other carriers (rail & truck)	63,776	65,271	119,643	1,179,040

^f Includes natural gasoline and refinery products.

* Includes duplications.

^f Includes natural gasoline.

* Revised

TABLE 3

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

Province		December 1960 Barrels	November ^F 1960 Barrels	December 1959 Barrels	YEAR TO DATE 1960 Barrels
Yukon T. (1)	- Trunk	25,039	27,715	37,675	322,451
British Columbia	- Gathering	14,896	-	-	14,896
Alberta (2)	- Gathering	11,244,065	10,194,737	11,796,349	127,791,545
"	- Trunk	531,947	530,030	467,026	5,805,649
Saskatchewan	- Gathering	4,015,076	3,714,200	3,642,158	47,989,210
"	- Trunk	145,609	160,406	280,562	2,643,637
Manitoba	- Gathering	422,656	409,574	422,139	4,794,044
"	- Trunk	-	-	-	-
Ontario (1)	- Trunk	2,999,664	2,502,033	3,208,614	29,779,397
Quebec (3)	- Trunk	9,096,943	8,725,166	8,878,647	96,953,626
Net Received	- Gathering	15,696,693	14,318,511	15,860,646	180,589,695
" "	- Trunk	12,799,202	11,945,350	12,872,524	135,504,760
" "	- Total	28,495,895	26,263,861	28,733,170	316,094,455

TABLE 4

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

Province		December 1960 Barrels	November 1960 Barrels	December 1959 Barrels	YEAR TO DATE 1960 Barrels
Yukon T. (1)	- Trunk	24,488	23,653	37,157	320,360
British Columbia	- Trunk	2,966,940	3,406,767	3,272,111	41,410,329
Alberta (2)	- Gathering	790,611	779,274	907,999	8,682,575
"	- Trunk	992,016	1,023,633	1,069,839	14,386,206
Saskatchewan	- Gathering	24,662	22,102	85,345	646,371
"	- Trunk	1,809,320	1,373,050	1,531,880	17,589,032
Manitoba ^b	- Trunk	9,083,871	9,065,301	9,875,155	105,433,572
Ontario (1)	- Trunk	4,614,343	3,931,938	4,647,741	47,562,321
Quebec	- Trunk	7,562,284	7,207,450	7,457,251	79,170,068
Net Delivered	- Gathering	815,273	801,376	993,344	9,328,946
" "	- Trunk ^f	27,053,262	26,031,792	27,891,134	305,871,928
" "	- Total	27,868,535	26,833,168	28,884,478	315,200,874
" "	- Daily average	898,985	894,439	931,757	861,205
^b Includes deliveries to U.S. pipe lines, Gretna, Man.		8,111,034	8,089,426	8,823,619	94,158,074
^f Includes exports -					
via Trans Mountain Oil Pipe Line Company		1,090,311	1,395,566	1,308,165	18,125,927
via Interprovincial Pipe Line Company		2,273,977	2,397,923	2,163,303	23,245,945

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		December 1960	November ^F 1960	December 1959	YEAR TO DATE 1960
Barrels Handled - Daily Average					
Gathering Systems	Barrels	538,435	506,572	539,366	521,899
Trunk Lines	"	1,338,762	1,331,609	1,344,061	1,285,928
Total Barrel Miles (Trunk Lines)	Millions	10,202	10,376	10,956	119,316
Average Miles Per Barrel (Trunk Lines)	Miles	245.8	260.2	263.2	253.5
Employees and Earnings (6)					
Average Number (4)	No.	1,476	1,503	1,502	1,549
Total Salaries and Wages	\$	816,909	792,816	793,511	9,638,912
Man-Hours Worked by Wage Earners (5) (6)	Hours	64,289	63,415	73,315	837,983

(1) Products of refineries.

(2) Includes natural gasoline and some refinery products.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Amurex Oil Company; Anglo American Exploration Ltd.; Anglo-Canadian Oil Limited; Hudson's Bay Oil and Gas Company Limited (Windfall Line); Colliad Oil and Gas Company; Imperial Oil Limited; Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Co., Ltd.; Royalite Oil Co. Ltd. (Mid-Saskatchewan Pipe Line Dept. and Valley Pipe Line Dept.) and Westspur Pipe Line Company.

Revised

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
TRAFFIC*				- Barrels -			
<u>Total Received into System</u>							
This month December, 1960	2,309,220	11,297,878	7,504,409	3,100,149	3,683,757	(2) 18,834,300	46,729,713
This year (12 months)	28,917,243	128,504,068	79,143,068	41,476,844	40,528,509	(3) 210,288,325	528,858,057
<u>Total Delivered out of System</u>							
This month December, 1960	2,342,460	11,119,938	7,562,284	2,966,940	3,653,235	(4) 19,337,542	46,982,399
This year (12 months)	28,915,306	128,393,797	79,170,088	41,410,329	40,589,114	(5) 219,398,058	537,876,692
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month December, 1960	75,563	-	-	-	120,706	342,166	538,435
This year (12 months)	79,003	-	-	-	110,692	332,204	521,899
<u>Trunk Lines</u>							
This month December, 1960	-	358,707	243,945	95,708	117,846	522,556	1,338,762
This year (12 months)	-	350,802	216,312	113,143	110,899	494,772	1,285,928
<u>Total Barrel Miles (Trunk Lines)</u>				Miles			
<u>in millions</u>							
This month December, 1960	-	5,677	534	1,971	254	1,766	10,202
This year (12 months)	-	63,524	5,586	27,710	2,824	19,672	119,316
<u>Average Miles per Barrel (Trunk Lines)</u>							
This month December, 1960	-	481.0	70.6	664.0	69.6	109.0	245.8
This year (12 months)	-	464.0	70.6	669.0	69.6	108.6	253.5
OPERATING REVENUES 1960				Dollars			
Three months ended Mar. 31	714,077	8,789,463	779,434	4,673,032	1,474,516	(6) 8,500,384	24,930,906
Six months " June 30	1,286,142	16,565,038	1,381,219	9,528,922	2,960,752	(6) 16,685,894	48,407,967
Nine months " Sept. 30	1,785,151	24,274,686	2,088,101	13,223,132	4,497,511	(6) 25,050,995	70,919,576
Twelve months " Dec. 31	2,294,705	31,407,468	2,779,640	17,226,062	6,075,638	(6) 33,218,610	93,002,123
EMPLOYEES AND EARNINGS				Number			
Employees December, 1960	95	423	48	213	141	(7) 556	1,476
<u>Salaries and Wages</u>				Dollars			
This month December, 1960	52,902	245,036	25,002	127,093	83,621	(7) 283,255	816,909
This year (12 months)	662,411	2,794,505	307,249	1,492,655	841,153	(7) 3,540,939	9,638,912
<u>Man hours Worked by Wage Earners</u>				Hours			
This month December, 1960	9,442	160	5,780	-	12,538	(7) 36,369	64,289
This year (12 months)	123,488	3,280	72,230	15,021	151,477	(7) 472,487	837,983

* Totals include duplication between companies.

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

(2) Includes 4,872,771 bbls. products and 43,813 bbls. natural gasoline.

(3) Includes 50,917,947 bbls. products and 419,654 bbls. natural gasoline.

(4) Includes 4,752,436 bbls. products and 46,595 bbls. natural gasoline.

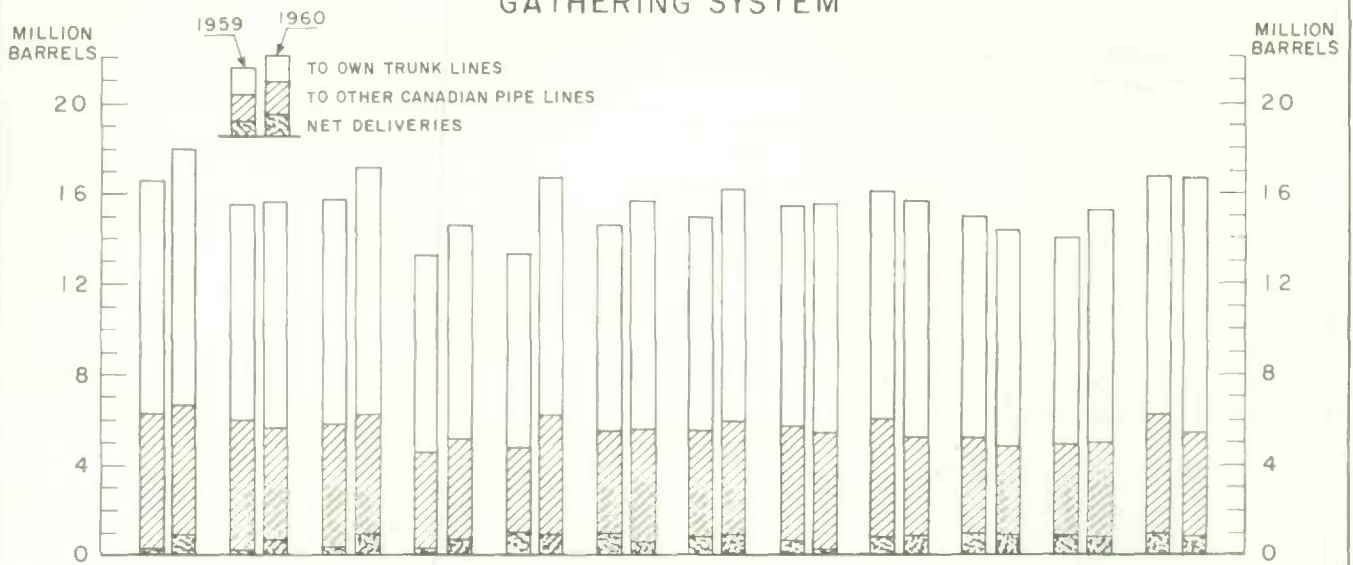
(5) Includes 49,250,219 bbls. products and 481,306 bbls. natural gasoline.

(6) Excludes Alaska-Yukon Pipelines, Ltd; 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.

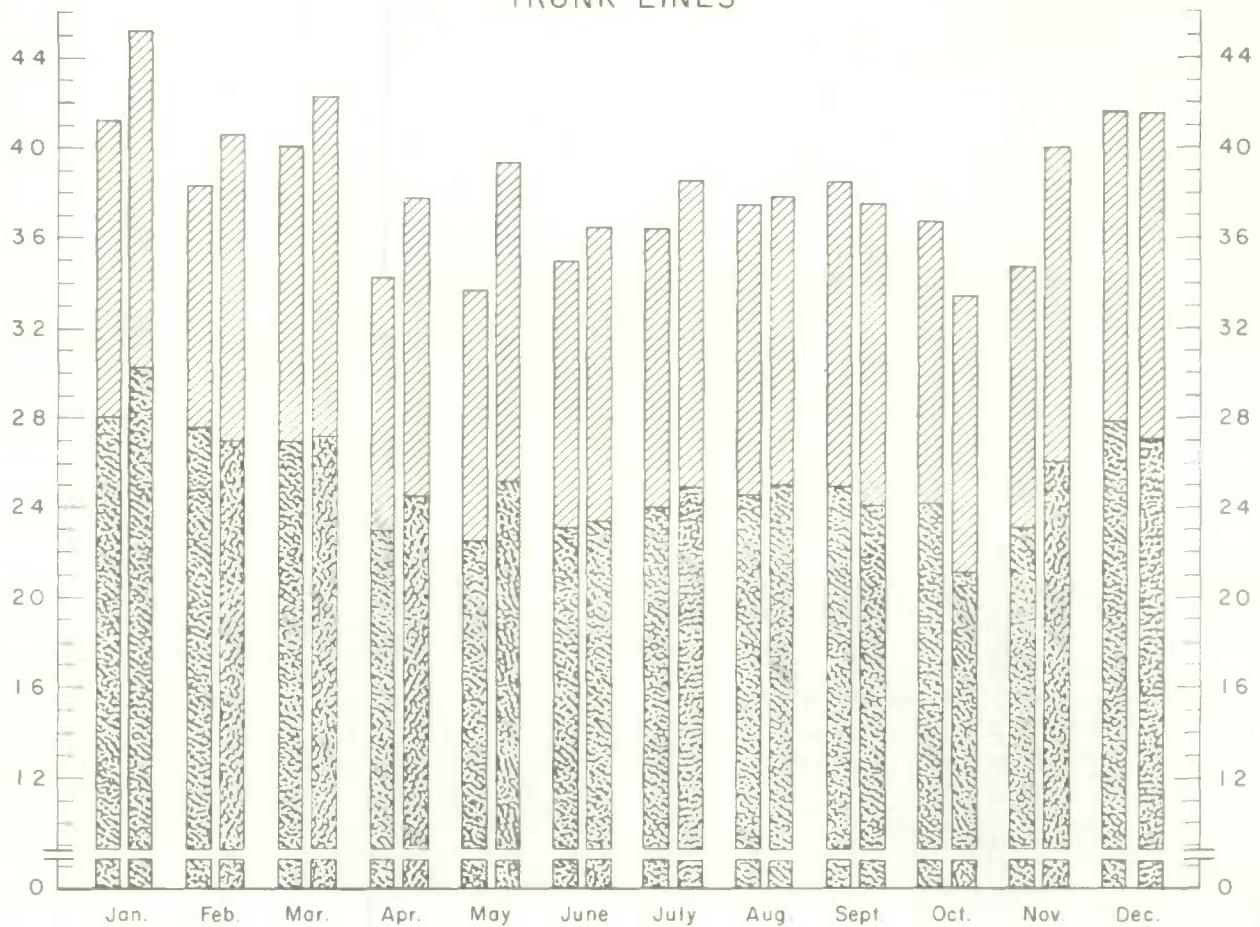
(7) Excludes Amurex Oil Company; Anglo American Exploration, Ltd.; Anglo-Canadian Oils, Limited; Hudson's Bay Oil and Gas Company Limited (Windfall Line); Goliad Oil and Gas Company; Imperial Oil Limited, Sarnia Products Pipe Line; Key Pipe Line Co., Ltd.; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Co., Ltd.; Royallite Oil Co., Ltd. (Oils-Saskatchewan Pipe Line Dept. and Valley Pipe Line Dept.) and Westover Pipe Line Company.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1959 AND 1960

GATHERING SYSTEM



TRUNK LINES



List of Oil Pipe Lines Reporting

Alaska-Yukon Pipelines Ltd.
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 Pipeline Division
Hudson's Bay Oil and Gas Company Limited, Windfall Line
The Imperial Pipe Line Company, Limited
Imperial Oil Limited, Sarnia Products Pipe Line
Interprovincial Pipe Line Company
Key Pipe Line Co., 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.
Royalite Oil Company, Limited, Mid-Saskatchewan Pipe Line Dept.
Royalite Oil Company, Limited, Valley Pipe Line Dept.
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 (B.C.) Ltd.
Trans-Prairie Pipelines, Ltd.
Westspur Pipe Line Company
Winnipeg Pipe Line Company, Limited.
Yukon Pipelines Limited

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