

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce



Memorandum

Vol. 4, No. 12

DECEMBER, 1954.

Price: \$1.00 per year

PIPE LINES (OIL) STATISTICS

Oil carried by Canadian pipe lines reached a new high in December with a net delivery of 513,714 barrels per day, compared with 484,182 barrels in November and 464,502 in December, 1953. Total net deliveries for the month amounted to 15,925,138 barrels, 10.5 p.c. above the 14,399,552 barrels delivered in the corresponding month last year.

For the twelve months ended December 31 net deliveries totalled 172,495,935 barrels compared with a total of 147,303,771 in 1953. Provincial totals for the year were as follows (1953 data in brackets): British Columbia, 14,566,334 barrels (1,540,011*); Alberta, 16,452,608 (16,984,749); Saskatchewan, 14,191,691 (14,189,654); Manitoba, 41,519,892 (36,682,639); Ontario, 32,441,988 (24,868,257) and Quebec, 53,323,422 (53,038,461). Manitoba deliveries included 34,776,583 barrels (30,524,131) transferred to the Lakehead Pipe Line Company for transport through the United States, principally to Sarnia refineries, and 6,743,309 (6,158,508) delivered within the province. Of Interprovincial's deliveries to the Lakehead line during the past year, 31,323,630 barrels had re-entered Canada at Sarnia by the end of the year.

Net receipts during December totalled 16,451,209 barrels compared with 14,766,793 in the same month of 1953. December receipts included 8,200,711 barrels of Alberta crude and 53,323 barrels of Alberta natural gasoline, 123,214 of Saskatchewan crude, 264,796 of Manitoba crude, 4,646,800 of imported crude and 3,162,365 barrels of refinery products.

Both gathering and trunk lines made record deliveries in December. Gathering lines handled an average of 223,093 barrels per day compared with 201,827 in November and 188,895 in December last year. Trunk lines handled 619,458 barrels per day, 6 p.c. above the November average of 581,196 barrels and almost 12 p.c. above December 1953. Barrel miles reached a new peak at 5,881 million and the average haul rose from 290.4 miles in November to 306.2.

Employment during December showed little change from the previous month but the average for the year at 1,185 was 25 p.c. above the 1953 average of 951. Earnings also were up by 31 p.c. from \$4,188,498 in 1953 to \$5,503,329.

Operating revenues for the last quarter of the year amounted to \$11,438,213, bringing the total for the year to \$41,765,773 compared with \$28,305,431 in 1953, an increase of almost 48 p.c.

The South Saskatchewan Pipe Line Company is included in this report for the first time and the November figures shown in this report have been revised to include its November operations. This company has a gathering system serving the Fosterton area of Saskatchewan with a terminal at Cantuar. The trunk line connects Cantuar with Regina, Saskatchewan, a distance of 155 miles. Oil first entered the trunk line on November 5, 1954. The Green River Exploration Company also appears for the first time in this report.

* The Trans-Mountain Oil Pipe Line Company made its first deliveries to British Columbia terminals in October, 1953.

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

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1954.

This company commenced operations in December with two parallel lines carrying absorption plant products from Bonnie Glen to loading facilities at Calmar, Alberta.

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, Nisku Products Pipe Line Company, and Anglo Canadian Oils, Ltd. have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

Net totals given in Table 6 exceed those in Tables 1 and 2 because of duplications resulting from intercompany transfers of oil. These differences are accounted for in the following table.

	Barrels
Total Received into Systems - all companies - during twelve months of 1954, per table 6	266,689,003
Received into Trunk Lines from other Canadian Pipe Lines	92,267,615
"Net Received" into Canadian Pipe Line Systems	174,421,388
"Net Received" into Trunk Systems per table 1	103,876,468
"Net Received" into Gathering Systems per table 2	70,544,920
Total Delivered out of Systems - all companies - during twelve months of 1954, per table 6	264,902,261
Delivered to other Canadian Pipe Lines	92,406,326
"Net Delivered" from Canadian Pipe Line Systems	172,495,935
"Net Delivered" from Trunk Systems per table 1	162,634,754
"Net Delivered" from Gathering Systems per table 2	9,861,181

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, 1954.

		Barrels
Total Shippers Balances - January 1, 1954	x 6,153,116	
Total Carriers Balances - January 1, 1954	787,070	x 6,940,186
Received into Gathering Systems January 1 to December 31, 1954	70,544,920	
Received into Trunk Systems January 1 to December 31, 1954	209,097,383	279,642,303
Total oil accountable for period		286,582,489
Delivered from Gathering Systems January 1 to December 31, 1954	70,557,406	
Delivered from Trunk Systems January 1 to December 31, 1954	207,298,155	277,855,561
Balance to be accounted for at December 31, 1954		8,726,928
Oil consumed as fuel and losses		370,833
Balance on hand - December 31, 1954		8,356,095
Total Shippers Balances - December 31, 1954	(1) 8,037,012	
Total Carriers Balances - December 31, 1954	319,083	

With the completion of Interprovincial's extension to Sarnia, the Transit and Storage Company's line from Cygnet, Ohio, to Sarnia was no longer needed and this line was sold to the Buckeye Pipe Line Company in November, 1953. This company ceased making deliveries to Canada in January, 1954, leaving only two lines operating across the St. Clair river from the United States at Sarnia. The limited nature of their domestic operations and the shortness of these lines are such that they have been considered for purposes of this report merely as connections to refinery facilities in Canada and are not included in Canadian oil pipe line statistics. A summary of oil delivered by these pipe lines follows:

Month	Interprovincial Pipe Line Company Crude Oil	The Buckeye Pipe Line Company Crude Oil	Sun Pipe Line Company Crude and Refined Oil
	Barrels	Barrels	Barrels
December, 1953	-	424,970	383,613
November, 1954	2,691,846	-	481,028
December, 1954	2,844,338	-	510,663

(1) Includes 118,476 barrels loaned to Trans-Mountain Oil Pipe Line Company for pipe line fill.

x Revised.

TABLE 1

OIL[/] CARRIED BY PIPE LINES - TRUNK

	DECEMBER 1954	^x NOVEMBER 1954	DECEMBER 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
1. Total Received * (2+3+4+5)	19,789,695	17,907,136	17,621,167	209,097,383
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	1,333,618	1,172,849	974,053	12,953,300
3. Other pipe lines - Gathering	2,903,861	2,431,284	2,358,205	28,401,479
4. Trunk	5,986,138	5,392,854	5,314,426	63,866,136
5. Net Received (6+7+8)	9,566,078	8,910,149	8,974,483	103,876,468
6. Originating on own trunk lines	4,919,278	4,366,510	4,182,748	50,152,007
7. Received from foreign pipe line connections	4,646,800	4,543,639	4,677,368	53,358,022
8. Received from other carriers (rail & truck)	-	-	114,367	366,439
9. Total Delivered * (10+11)	19,203,201	17,435,880	17,176,458	207,298,155
10. Less: Delivered to other Canadian trunk lines	4,227,512	3,675,115	3,648,465	44,663,401
11. Net Delivered (12+13+14)	14,975,689	13,760,765	13,527,993	162,634,754
12. Terminated on own trunk lines	11,391,855	10,813,050	10,318,226	126,877,609
13. Delivered to foreign pipe line connections	3,575,159	2,945,180	3,209,573	35,729,986
14. Delivered to other carriers (rail & truck)	8,675	2,535	194	27,159

TABLE 2

OIL[/] CARRIED BY PIPE LINES - GATHERING

	DECEMBER 1954	^x NOVEMBER 1954	DECEMBER 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	6,885,131	6,050,383	5,792,310	70,544,920
16. Less: Received from other gathering systems	-	-	-	-
17. Net Received (18+19)	6,885,131	6,050,383	5,792,310	70,544,920
18. Originating on own gathering system	6,433,241	5,622,156	5,619,477	66,861,883
19. Received from other carriers (rail & truck)	451,890	428,227	172,833	3,683,037
20. Total Delivered * (21+22+23)	6,915,911	6,054,828	5,858,556	70,557,406
Less: Delivered to other pipe lines -				
21. Own Trunk system	1,333,618	1,172,849	974,053	12,953,300
22. Other pipe lines	4,632,844	4,117,279	4,012,944	47,742,925
23. Net Delivered (24+25)	949,449	764,700	871,559	9,861,181
24. Terminated on gathering systems	805,591	689,617	855,007	8,537,464
25. Delivered to other carriers (rail & truck)	143,858	75,083	16,552	1,323,717

- [/] Includes natural gasoline and products.
- * Includes duplications.
- [/] Includes natural gasoline.
- ^x Revised.

TABLE 3

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

Province		DECEMBER 1954	* NOVEMBER 1954	DECEMBER 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	6,497,121	5,743,804	5,792,310	67,888,820
"	- Trunk	1,787,520	1,449,048	1,511,332	17,735,868
Saskatchewan	- Gathering	123,214	81,918	-	629,526
"	- Trunk	-	-	5,365	1,942
Manitoba	- Gathering	264,796	224,661	-	2,026,574
"	- Trunk	-	-	109,002	344,889
Ontario (2)	- Trunk	2,078,455	1,765,536	1,469,019	19,263,145
Quebec (3)	- Trunk	5,700,103	5,695,565	5,879,765	66,530,619
Net Received	- Gathering	6,885,131	6,050,383	5,792,310	70,544,920
"	- Trunk	9,566,078	8,910,149	8,974,483	103,876,468
"	- Total	16,451,209	14,960,532	14,766,793	174,421,388

TABLE 4

OIL DELIVERED BY PIPE LINES, BY PROVINCES IN WHICH SHIPMENTS TERMINATED
OR WERE TRANSFERRED TO OTHER CARRIERS

Province		DECEMBER 1954	* NOVEMBER 1954	DECEMBER 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	1,938,262	1,469,335	617,679	14,566,334
Alberta (1)	- Gathering	924,172	751,481	871,559	9,405,902
"	- Trunk	580,204	598,828	620,957	7,046,706
Saskatchewan	- Gathering	25,277	13,219	-	455,279
"	- Trunk	909,817	1,090,979	1,179,914	13,736,412
Manitoba	- Trunk	3,787,159	3,156,618	3,748,489	41,519,892
Ontario (2)	- Trunk	3,133,617	2,918,140	2,671,212	32,441,988
Quebec	- Trunk	4,626,630	4,526,865	4,689,742	53,323,422
Net Delivered	- Gathering	949,449	764,700	871,559	9,861,181
"	- Trunk	14,975,689	13,760,765	13,527,993	162,634,754
"	- Total	15,925,138	14,525,465	14,399,552	172,495,935
Including exports to U.S.A. at Sumas, B.C.		321,919	349,827	-	953,403
Including deliveries to U.S. pipe lines, Gretna, Man.		3,253,240	2,595,353	3,209,573	34,776,583

TABLE 5

OPERATING STATISTICS

		DECEMBER 1954	* NOVEMBER 1954	DECEMBER 1953	YEAR TO DATE 1954
Barrels Handled - Daily Average					
Gathering Systems	Barrels	223,093	201,827	188,895	193,308
Trunk Lines	"	619,458	581,196	554,079	567,940
Total Barrel Miles (Trunk Lines)	Millions	5,881	5,063	5,056	61,912
Average Miles Per Barrel (Trunk Lines)	Miles	306.2	290.4	294.4	298.7
Employees and Earnings (6)					
Average Number (4)	No.	1,166	1,169	1,104	1,185
Total Salaries and Wages	\$	474,165	465,228	447,308	5,503,329
Man-Hours Worked by Wage Earners (5) (6)	Hours	53,808	48,431	52,949	621,700

- (1) Includes natural gasoline.
- (2) Products of refineries.
- (3) Includes some products.
- (4) Includes salaried employees.
- (5) Includes overtime.
- (6) Excludes Amurax Oil Development Company, Anglo American Exploration Company, Ltd.,

Anglo-Canadian Oils, Ltd., Sarnia Products Line and Nisku Products Pipe Line Company, Limited.

x Revised.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

December, 1954.

Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Other Pipe lines (1)	Total
TRAFFIC*			<u>Barrels</u>			
<u>Total Received into System</u>						
This month (December, 1954)	4,688,390	5,937,057	4,646,800	2,093,173	(2) 7,975,788	25,341,208
This year (12 months)	49,430,474	66,795,446	53,358,022	14,255,996	(3) 82,849,065	266,689,003
<u>Total Delivered out of System</u>						
This month (December, 1954)	4,686,445	5,635,005	4,626,630	1,938,262	(4) 7,899,152	24,785,494
This year (12 months)	49,417,386	64,913,394	53,323,422	14,566,437	(5) 82,681,622	264,902,261
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (December, 1954)	151,176	-	-	-	71,917	223,093
This year (12 months)	135,390	-	-	-	57,918	193,308
<u>Trunk Lines</u>						
This month (December, 1954)	-	181,774	149,246	62,525	225,913	619,458
This year (12 months)	-	177,845	146,091	39,787	204,217	567,940
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month (December, 1954)	-	3,210	340	1,365	966	5,881
This year (12 months)	-	37,204	3,915	10,271	10,522	61,912
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (December, 1954)	-	570.0	73.1	704.0	137.9	306.2
This year (12 months)	-	573.0	73.1	708.0	141.2	298.7
OPERATING REVENUES			<u>Dollars</u>			
Three Months ending March 31, 1954	930,894	4,200,082	474,043	1,564,273	(6) 2,584,428	9,753,720
Six Months ending June 30, 1954	1,837,802	8,572,413	930,621	2,954,144	(6) 5,175,189	19,470,169
Nine Months ending Sept. 30, 1954	2,933,275	13,045,971	1,312,147	4,745,563	(6) 8,190,604	x 30,227,560
Twelve Months ending Dec. 31, 1954	3,932,449	17,471,914	1,796,050	6,952,301	(6) 11,613,059	41,765,773
EMPLOYEES AND EARNINGS			<u>Number</u>			
Number of Employees	199	403	53	158	(7) 353	1,166
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (December, 1954)	77,138	169,792	20,146	74,851	(7) 132,238	474,165
This year (12 months)	902,308	1,998,178	224,940	944,604	(7) 1,433,299	5,503,329
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month (December, 1954)	26,365	623	794	2,436	(7) 23,590	53,808
This year (12 months)	311,474	13,443	17,011	26,114	(7) 253,658	621,700

* Totals include duplication between companies.

- (1) Includes Amurex Oil Development Company; Anglo American Exploration Company; Anglo Canadian Oils, Limited; B.A. Alberta Pipe Line, Limited; B.A. Saskatchewan Pipe Line, Limited; Canadian Gulf Pipe Line Company; Edmonton Pipe Line Co. Limited; Gibson Crude Oil Purchasing Co. Limited; Green River Exploration Co. Limited; Imperial Oil - Sarnia Products Pipe Line Division; Nisku Products Pipe Line Company, Limited; Trans-Prairie Pipe Lines Limited, formerly Northern Development Company, Limited; Saskatoon Pipe Line Company; South Saskatchewan Pipe Line Company; Sun Canadian Pipe Line Company, Limited; Texaco Exploration Company; Trans-Northern Pipe Line Company; Valley Pipe Line Company, Limited, and Winnipeg Pipe Line Company, Limited.
- (2) Includes 3,162,365 bbls. products and 53,323 bbls. natural gasoline.
- (3) Includes 32,693,710 bbls. products and 549,509 bbls. natural gasoline.
- (4) Includes 3,170,510 bbls. products and 54,922 bbls. natural gasoline.
- (5) Includes 32,704,378 bbls. products and 545,031 bbls. natural gasoline.
- (6) Excludes Anglo American Exploration Co., Gibson Crude Oil Purchasing Co. and Sarnia Products Line.
- (7) Excludes Amurex Oil Development Company, Anglo American Exploration Company, Anglo-Canadian Oils, Limited, Imperial Oil - Sarnia Products Pipe Line Division, and Nisku Products Pipe Line Company, Limited.

x Revised.



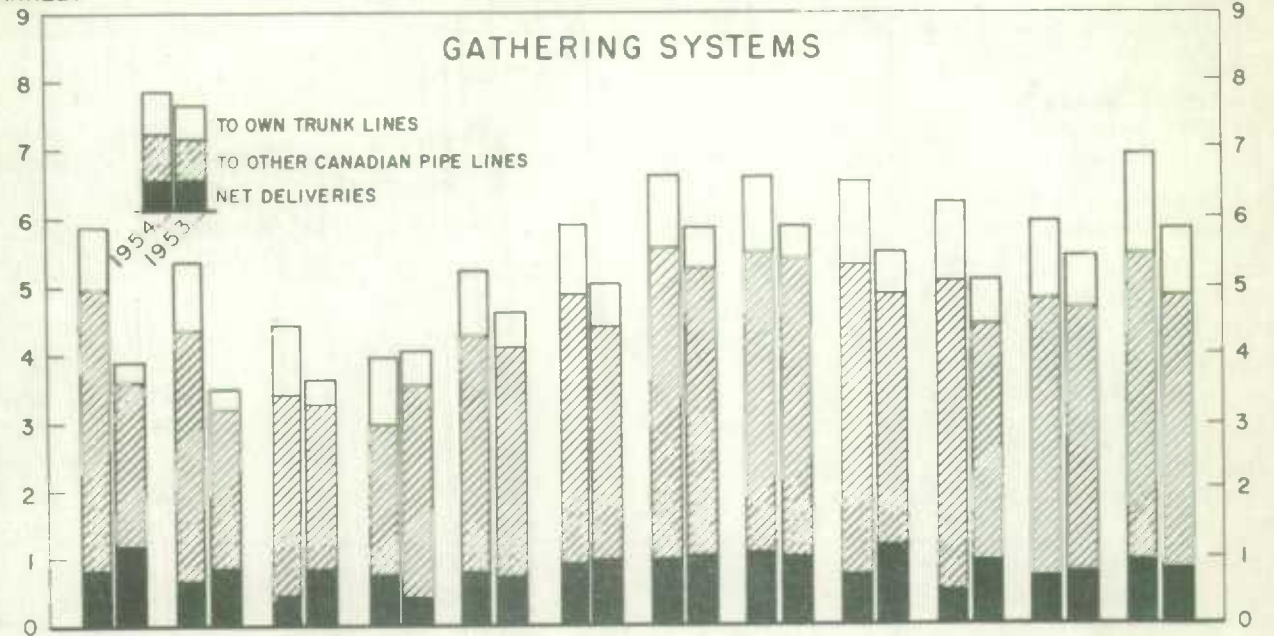
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MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1953 AND 1954

MILLION
BARRELS

MILLION
BARRELS

GATHERING SYSTEMS



TRUNK LINES

