

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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



DOMINION BUREAU
OF STATISTICS

Memorandum

PROPERTY OF THE
LIBRARY

Price: \$1.00 per year

Vol. 4, No. 11

NOVEMBER, 1954.

PIPE LINES (OIL) STATISTICS

Canadian pipe lines delivered a total of 14,512,246 barrels of oil during November, comprising a daily average of 483,742, some 5,500 above October's deliveries of 478,216 barrels per day and 53,000 or 12 p.c. above the daily average of 430,614 recorded in November, 1953.

Net receipts for the month totalled 14,878,614 barrels compared with 13,296,952 in 1953, an increase of 11.8 p.c. Included in the net receipts for November were 7,112,536 barrels of Alberta crude, 51,481 barrels of Alberta natural gasoline, 224,661 of Manitoba crude, 4,543,639 of imported crude and 2,946,297 barrels of refinery products.

For the eleven months ended November 30 net deliveries amounted to 156,140,795 barrels, compared with 132,904,219 in the same period last year, an increase of 17 p.c. Provincial totals for the period were as follows, (1953 data in brackets): British Columbia, 12,628,072 barrels (922,332*); Alberta, 14,948,232 (15,492,233); Saskatchewan, 12,826,595 (13,009,740); Manitoba, 37,732,733 (32,934,150); Ontario, 29,308,371 (22,197,045) and Quebec, 48,696,792 (48,348,719). British Columbia deliveries include 631,484 barrels exported to the United States since the first of October, 1954. Manitoba deliveries include 31,523,343 barrels (27,314,558) delivered to the Lakehead Pipe Line Company at the United States border, principally destined to refineries at Sarnia, and 6,209,390 (5,619,592) delivered within the province. Of the total oil delivered during the eleven months under review, refinery products accounted for 29,533,868 barrels in 1954 as against 22,197,045 in 1953, an increase of 33 p.c.

Both gathering systems and trunk lines reported a drop in the average barrels handled during November. Gathering systems handled an average of 199,061 barrels per day against 200,757 in October, and trunk lines reported an average of 581,196 compared with 598,494 in October. Compared with November, 1953, gathering systems recorded an increase of 9 p.c. and trunk lines were up by almost 15 p.c. Barrel miles at 5,063 million were 5 p.c. below October but 7 p.c. above November, 1953.

Employment dropped from 1,181 in October to 1,164 but salaries and wages rose from \$461,547 in October to \$463,597.

Data for the Gibson Crude Oil Purchasing Company, Ltd., operating a gathering system from the Rimbeys field in Alberta, are included in this report. The line commenced operating on November 20. 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 Co. in Alberta, Anglo Canadian Oils Ltd. in Manitoba and employee data of the Amurex Oil Development Company in Alberta have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report. Operating statistics of the Nisku Products Pipe Line Company, Limited, carrying natural gasoline from the compression refrigeration plant at Devon to refineries at Edmonton are included in this report. Employee data are not available for this line.

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

8504-508
19-1-55.

Prepared in the Transportation and 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 intercompany transfers of oil. These differences are accounted for in the following table.

Total Received into Systems - all companies -	<u>Barrels</u>
during first eleven months of 1954, per table 6	240,841,483
Received into Trunk Lines from other Canadian Pipe Lines	83,377,616
"Net Received" into Canadian Pipe Line Systems	157,463,867
"Net Received" into Trunk Systems per table 1	94,310,390
"Net Received" into Gathering Systems per table 2	63,153,477
 Total Delivered out of Systems - all companies -	
during first eleven months of 1954, per table 6	239,686,765
Delivered to other Canadian Pipe Lines	83,545,970
"Net Delivered" from Canadian Pipe Line Systems	156,140,795
"Net Delivered" from Trunk Systems per table 1	147,659,065
"Net Delivered" from Gathering Systems per table 2	8,481,730

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 November and are given herewith:

OIL BALANCE - ALL COMPANIES - NOVEMBER, 1954.

	<u>Barrels</u>	
Total Shippers Balances - January 1, 1954	6,141,288	
Total Carriers Balances - January 1, 1954	787,070	6,928,358
Received into Gathering Systems January 1 to November 30, 1954	63,153,477	
Received into Trunk Systems January 1 to November 30, 1954	189,237,929	252,391,406
Total oil accountable for period		259,319,764
Delivered from Gathering Systems January 1 to November 30, 1954	63,141,734	
Delivered from Trunk Systems January 1 to November 30, 1954	188,094,954	251,236,688
Balance to be accounted for at November 30, 1954		8,083,076
Oil consumed as fuel and losses		342,605
Balance on hand - November 30, 1954		7,740,471
Total Shippers Balances - November 30, 1954	(1) 7,436,856	
Total Carriers Balances - November 30, 1954		303,615

With the completion of Interprovincial's extension to Sarnia, the Transit and Storage Company's line from Cuyahoga, 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
November, 1953	-	443,652	164,503
October, 1954	2,919,363	-	506,417
November, 1954	2,691,846	-	481,028

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

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	NOVEMBER 1954	OCTOBER 1954	NOVEMBER 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
1. Total Received * (2+3+4+5)	17,837,377	19,239,753	15,589,330	189,237,929
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	1,103,090	1,151,559	796,948	11,549,923
3. Other pipe lines - Gathering	2,431,284	2,587,282	2,245,396	25,497,618
4. Trunk	5,392,854	6,239,914	4,666,317	57,879,998
5. Net Received (6+7+8)	8,910,149	9,260,998	7,880,669	94,310,390
6. Originating on own trunk lines	4,366,510	4,236,343	3,508,828	45,232,729
7. Received from foreign pipe line connections	4,543,639	5,024,655	4,265,379	48,711,222
8. Received from other carriers (rail & truck)	-	-	106,462	366,439
9. Total Delivered * (10+11)	17,435,880	18,553,335	15,173,296	188,094,954
10. Less: Delivered to other Canadian trunk lines	3,675,115	4,219,151	3,055,915	40,435,889
11. Net Delivered (12+13+14)	13,760,765	14,334,184	12,117,381	147,659,065
12. Terminated on own trunk lines	10,813,050	11,214,346	9,131,615	115,485,754
13. Delivered to foreign pipe line connections	2,945,180	3,118,370	2,985,766	32,154,827
14. Delivered to other carriers (rail & truck)	2,535	1,468	-	18,484

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	NOVEMBER 1954	OCTOBER 1954	NOVEMBER 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	5,968,465	6,268,478	5,416,283	63,153,477
16. Less: Received from other gathering systems	-	-	-	-
17. Net Received (18+19)	5,968,465	6,268,478	5,416,283	63,153,477
18. Originating on own gathering system	5,540,238	5,867,626	5,298,508	59,922,330
19. Received from other carriers (rail & truck)	428,227	400,852	117,775	3,231,147
20. Total Delivered * (21+22+23)	5,971,850	6,223,472	5,467,809	63,141,734
Less: Delivered to other pipe lines -				
21. Own Trunk system	1,103,090	1,151,559	796,948	11,549,923
22. Other pipe lines	4,117,279	4,581,400	3,869,831	43,110,081
23. Net Delivered (24+25)	751,481	490,513	801,030	8,481,730
24. Terminated on gathering systems	689,617	405,707	786,922	7,731,873
25. Delivered to other carriers (rail & truck)	61,864	84,806	14,108	749,857

/ Includes natural gasoline and products.
 * Includes duplications.
 / Includes natural gasoline.

TABLE 3

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

Province		NOVEMBER	OCTOBER	NOVEMBER	YEAR TO DATE
		1954	1954	1953	1954
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	5,743,804	6,031,644	5,416,283	61,391,699
"	- Trunk	1,449,048	1,585,139	1,525,664	15,948,348
Saskatchewan	- Trunk	-	-	2,812	1,947
Manitoba	- Trunk	-	-	103,650	344,889
"	- Gathering	224,661	236,834	-	1,761,778
Ontario (2)	- Trunk	1,765,536	1,600,890	1,052,707	17,184,690
Quebec (3)	- Trunk	5,695,565	6,074,969	5,195,836	60,830,516
Net Received	- Gathering	5,968,465	6,268,478	5,416,283	63,153,477
"	- Trunk	8,910,149	9,260,998	7,880,669	94,310,390
"	- Total	14,878,614	15,529,476	13,296,952	157,463,867

TABLE 4

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

Province		NOVEMBER	OCTOBER	NOVEMBER	YEAR TO DATE
		1954	1954	1953	1954
		Barrels	Barrels	Barrels	Barrels
British Columbia	∗ - Trunk	1,469,335	1,257,115	655,268	12,628,072
Alberta (1)	- Gathering	751,481	490,513	801,030	8,481,730
"	- Trunk	598,828	555,278	580,376	6,466,502
Saskatchewan	- Trunk	1,090,979	1,362,652	1,196,563	12,826,595
Manitoba	∂ - Trunk	3,156,618	3,495,156	3,517,659	37,732,733
Ontario (2)	- Trunk	2,918,140	2,647,485	1,973,431	29,308,371
Quebec	- Trunk	4,526,865	5,016,498	4,194,084	48,696,792
Net Delivered	- Trunk	13,760,765	14,334,184	12,117,381	147,659,065
"	- Total	14,512,246	14,824,697	12,918,411	156,140,795
∗	Including exports to U.S.A. at Sumas, B.C.	349,827	281,657	-	631,484
∂	Including deliveries to U.S. pipe lines, Gretna, Man.	2,595,353	2,836,713	2,985,766	31,523,343

TABLE 5

OPERATING STATISTICS

		NOVEMBER	OCTOBER	NOVEMBER	YEAR TO DATE
		1954	1954	1953	1954
Barrels Handled - Daily Average					
Gathering Systems	Barrels	199,061	200,757	182,260	189,047
Trunk Lines	"	581,196	598,494	505,776	563,158
Total Barrel Miles (Trunk Lines)	Millions	5,063	5,327	4,711	56,031
Average Miles Per Barrel (Trunk Lines)	Miles	290.4	287.1	310.5	297.8
Employees and Earnings (6)					
Average Number (4)	No.	1,164	1,181	1,087	1,183
Total Salaries and Wages	\$	463,597	461,547	425,426	5,012,717
Man-Hours Worked by Wage Earners (5) (6)	Hours	47,959	51,123	47,088	563,086

- (1) Includes natural gasoline.
- (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., and Sarnia Products Line.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

November, 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>Total Received into System</u>			<u>Barrels</u>			
This month (November, 1954)	4,162,658	5,482,515	4,543,639	1,581,099	(2) 6,932,841	22,702,752
This year (11 months)	44,742,084	60,858,389	48,711,222	12,162,823	(3) 74,366,965	240,841,483
<u>Total Delivered out of System</u>						
This month (November, 1954)	4,169,273	5,164,681	4,526,865	1,469,335	(4) 6,974,486	22,304,640
This year (11 months)	44,730,941	59,278,389	48,696,792	12,628,175	(5) 74,352,468	239,686,765
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (November, 1954)	138,976	-	-	-	60,085	199,061
This year (11 months)	133,925	-	-	-	55,122	189,047
<u>Trunk Lines</u>						
This month (November, 1954)	-	172,156	150,895	48,978	209,167	581,196
This year (11 months)	-	177,480	145,798	37,676	202,204	563,158
<u>Total Barrel Miles</u>						
<u>(Trunk Lines - in millions)</u>						
This month (November, 1954)	-	2,813	333	1,026	891	5,063
This year (11 months)	-	33,994	3,575	8,906	9,556	56,031
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (November, 1954)	-	545.0	73.3	698.0	142.0	290.4
This year (11 months)	-	573.0	73.4	708.0	141.6	297.8
OPERATING REVENUES						
<u>Three Months ending March 31, 1954.</u>			<u>Dollars</u>			
	930,894	4,200,082	474,043	1,563,475	(6) 2,570,495	9,738,989
<u>Six Months ending June 30, 1954.</u>						
	1,837,764	8,572,413	930,621	2,954,144	(6) 5,139,546	19,434,488
<u>Nine Months ending Sept. 30, 1954.</u>						
	2,933,237	13,045,971	1,312,147	4,745,563	(6) 8,187,356	30,224,274
<u>Twelve Months ending Dec. 31, 1954.</u>						
EMPLOYEES AND EARNINGS						
<u>Number of Employees (November, 1954)</u>			<u>Number</u>			
	203	406	53	159	(7) 343	1,164
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (November, 1954)	74,251	166,623	20,944	77,673	(7) 124,106	463,597
This year (11 months)	825,170	1,828,386	204,794	869,753	(7) 1,284,614	5,012,717
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month (November, 1954)	24,743	110	1,182	2,082	(7) 19,842	47,959
This year (11 months)	285,109	12,820	16,217	23,678	(7) 225,262	563,086

* 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; 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; 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 2,946,297 bbls. products and 51,481 bbls. natural gasoline.
- (3) Includes 29,531,345 bbls. products and 496,186 bbls. natural gasoline.
- (4) Includes 2,948,190 bbls. products and 50,660 bbls. natural gasoline.
- (5) Includes 29,533,868 bbls. products and 490,109 bbls. natural gasoline.
- (6) Includes Amurex Oil Development Company.
- (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.



MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1953 AND 1954

MILLION
BARRELS

MILLION
BARRELS

