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## PIPE LINES (OIL) STATISTICS

APRIL, 1958

Net deliveries of oil through Canadian pipe lines dropped 17.5 p.c. during April to a total of 20,076,446 barrels from 24,341,857 in April last year. This was the lowest monthly total recorded since October 1955 with exports alone, at 2,422,405 barrels, accounting for 3 of the 4.3 million barrels drop from the previous year. The daily average delivery of 669,215 barrels compared with 811,395 last year and 775,561 in the previous month. Barrel miles declined to 7,367 million from 9,997 million while the average length of haul fell to 242.6 miles from 285.4

For the first four months of the year, total net deliveries amounted to 92,127,091 barrels as compared with 101,342,478<sup>x</sup> in the corresponding period last year. Provincial deliveries, in barrels, were as follows (1957 data in brackets): British Columbia 11,612,892 (22,773,359); Alberta 4,697,961 (4,015,101); Saskatchewan 5,562,543 (5,794,005); Manitoba 29,763,229 (24,965,728); Ontario 14,980,299 (16,658,950); and Quebec 25,510,167 (27,135,335). Included in Manitoba deliveries were 26,069,520 (21,334,307) 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 are shown in a footnote to table 4.

Gathering systems handled an average of 387,977 barrels per day, a decrease of 2.2 p.c., from the April 1957 average of 473,062 barrels and 13.3 p.c., from last month's 447,558. Trunk line deliveries at 982,088 barrels per day were down 15.7 p.c., from the 1,164,981 recorded in April 1957 and 14.0 p.c., below the 1,142,339 registered last month.

During the month of April, net receipts totalled 20,222,670 barrels, down 5,132,947 barrels or 20.2 p.c., from last year's 25,355,617. Monthly receipts were comprised of 7,925,156 barrels of Alberta crude and 45,931 barrels of Alberta natural gasoline, 3,151,583 barrels of Saskatchewan crude, 460,922 barrels of Manitoba crude, 5,351,215 barrels of imported crude and 3,287,863 barrels of refinery products.

Employment and wages, compared with last year, showed little change in the month under review, with 1,656 employees earning \$772,311 as against 1,694 employees with earnings of \$778,237 in 1957.

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, 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.

<sup>x</sup> Revised.

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

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EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1958

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 first four months of 1958, per table 6 .....	153,578,603
Received into Trunk Lines from other Canadian Pipe Lines .....	58,892,159
"Net Received" into Canadian Pipe Line Systems .....	94,686,444
"Net Received" into Trunk Systems per table 1 .....	43,155,753
"Net Received" into Gathering Systems per table 2 .....	51,530,691
Total Delivered out of Systems - all companies -	
during first four months of 1958, per table 6 .....	154,281,385
Delivered to other Canadian Pipe Lines .....	62,154,294
"Net Delivered" from Canadian Pipe Line Systems .....	92,127,091
"Net Delivered" from Trunk Systems per table 1 .....	91,382,799
"Net Delivered" from Gathering Systems per table 2 .....	744,292

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 April and are given herewith:

OIL BALANCE - ALL COMPANIES - April 30, 1958

	Barrels	
Total Shippers Balances - January 1, 1958 .....	10,141,516	
Total Carriers Balances - January 1, 1958 .....	1,069,013	11,210,529
Received into Gathering Systems January 1 to April 30, 1958 .....	52,603,716	
Received into Trunk Systems January 1 to April 30, 1958 .....	135,655,395	188,259,111
Total oil accountable for period .....		199,469,640
Delivered from Gathering Systems January 1 to April 30, 1958 .....	52,689,154	
Delivered from Trunk Systems January 1 to April 30, 1958 .....	135,200,043	187,889,197
Balance to be accounted for at April 30, 1958 .....		11,580,443
Oil consumed as fuel and losses January 1 to April 30, 1958 .....		154,336
Balance on hand - April 30, 1958 .....		11,426,107
Total Shippers Balances - April 30, 1958 .....	10,358,199	
Total Carriers Balances - April 30, 1958 .....	1,067,908	

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 the current report, 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
April, 1957	2,794,252	-	380,316
March, 1958	3,155,481	1,611,215	220,539
April, 1958	2,754,483	1,234,216	202,246

TABLE 1

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

	April 1958	March 1958	April x 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	29,186,163	35,449,609	35,297,520	135,655,395
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	7,177,348	8,651,610	8,733,267	33,607,483
3. Other pipe lines - Gathering	4,716,285	5,831,175	4,217,356	21,193,837
4. Trunk	8,219,969	9,818,941	11,195,361	37,698,322
5. Net Received (6+7+8)	9,072,561	11,147,883	11,151,536	43,155,753
6. Originating on own trunk lines	3,583,403	4,204,724	4,049,892	16,434,453
7. Received from foreign pipe line connections	5,351,215	6,672,157	6,913,332	25,591,960
8. Received from other carriers (rail & truck)	137,943	271,002	188,312	1,129,340
9. Total Delivered * (10+11)	29,462,629	35,412,501	34,949,429	135,200,043
10. Less: Delivered to other Canadian trunk lines	9,621,369	11,565,838	10,797,730	43,817,244
11. Net Delivered (12+13+14)	19,841,260	23,846,663	24,151,699	91,382,799
12. Terminated on own trunk lines	13,020,265	15,513,093	15,531,109	60,269,973
13. Delivered to foreign pipe line connections	6,796,587	8,303,737	7,267,755	30,932,775
14. Delivered to other carriers (truck, rail & water)	24,408	29,833	1,352,835	180,051

TABLE 2

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

	April 1958	March 1958	April x 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	11,637,261	13,734,466	14,204,081	52,603,716
16. Less: Received from other gathering systems	487,152	585,873	-	1,073,025
17. Net Received (18+19)	11,150,109	13,148,593	14,204,081	51,530,691
18. Originating on own gathering system	11,060,653	12,932,442	14,177,139	50,874,048
19. Received from other carriers (rail & truck)	89,456	216,151	26,942	656,643
20. <u>Total Delivered * (21+22+23)</u>	11,639,300	13,874,299	14,191,864	52,689,154
Less: Delivered to other pipe lines -				
21. Own Trunk system	7,177,348	8,651,610	8,733,267	33,607,812
22. Other pipe lines	4,226,766	5,026,951	5,268,439	18,337,050
23. Net Delivered (24+25)	235,186	195,738	190,158	744,292
24. Terminated on gathering systems	87,107	101,247	50,739	343,392
25. Delivered to other carriers (rail & truck)	148,079	94,491	139,419	400,900

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

\* Includes duplications.

<sup>1</sup> Includes natural gasoline.

x Revised.

TABLE 3

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

Province		April 1958	March 1958	April x 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	7,650,346	9,268,185	11,654,770	36,954,773
"	- Trunk	376,672	428,633	488,688	1,622,854
Saskatchewan	- Gathering	3,038,841	3,367,444	2,088,995	12,617,398
"	- Trunk	112,742	219,700	126,633	1,002,019
Manitoba	- Gathering	460,922	512,964	460,316	1,958,520
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,251,768	2,478,380	1,958,545	9,691,092
Quebec (3)	- Trunk	6,331,379	8,021,170	8,577,670	30,839,788
Net Received	- Gathering	11,150,109	13,148,593	14,204,081	51,530,691
" "	- Trunk	9,072,561	11,147,883	11,151,536	43,155,753
" "	- Total	20,222,670	24,296,476	25,355,617	94,686,444

TABLE 4

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

Province		April 1958	March 1958	April x 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	2,416,681	3,071,139	6,016,816	11,612,892
Alberta (1)	- Gathering	126,572	134,607	86,881	486,626
"	- Trunk	1,083,732	991,868	880,775	4,211,335
Saskatchewan	- Gathering	108,614	61,131	103,277	257,666
"	- Trunk	1,204,501	1,401,922	1,100,662	5,304,877
Manitoba	- Trunk	6,604,807	7,870,477	5,655,779	29,763,229
Ontario (2)	- Trunk	3,229,870	3,857,322	3,612,628	14,980,299
Quebec	- Trunk	5,301,669	6,653,935	6,885,039	25,510,167
Net Delivered	- Gathering	235,186	195,738	190,158	744,292
" "	- Trunk	19,841,260	23,846,663	24,151,699	91,382,799
" "	- Total	20,076,446	24,042,401	24,341,857	92,127,091
" "	- Daily average	669,215	775,561	811,395	767,726
Includes deliveries to U.S. pipe lines, Grtna, Man.		5,867,836	6,977,290	4,763,684	26,069,520
Includes exports -					
via Trans Mountain Oil Pipe Line Company		928,751	1,326,447	3,838,628	4,863,255
via Interprovincial Pipe Line Company		1,493,654	2,074,860	1,574,862	7,165,783

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		April 1958	March 1958	April x 1957	YEAR TO DATE 1958
Barrels Handled - Daily Average					
Gathering Systems	Barrels	387,977	447,558	473,062	439,076
Trunk Lines	"	982,088	1,142,339	1,164,981	1,126,667
Total Barrel Miles (Trunk Lines)	Millions	7,367	8,910	9,997	33,357
Average Miles Per Barrel (Trunk Lines)	Miles	242.6	243.6	285.4	239.0
Employees and Earnings (6)					
Average Number (4)	No.	1,656	1,662	1,694	1,660
Total Salaries and Wages	\$	772,311	772,788	778,237	3,089,785
Man-Hours Worked by Wage Earners (5) (6)	Hours	73,463	71,040	77,077	284,736

(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 Westspur Pipe Line Company.

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

\* Revised.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

April, 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 April, 1958	2,140,806	8,286,731	5,351,215	2,290,148	2,603,462	(2) 12,486,562	33,158,924
This year (4 months)	11,081,244	36,934,897	25,591,960	11,674,592	11,667,029	(3) 56,628,881	153,578,603
<u>Total Delivered out of System</u>							
This month April, 1958	2,142,209	8,287,242	5,301,669	2,416,681	2,708,722	(4) 13,068,058	33,924,581
This year (4 months)	11,079,276	36,730,396	25,510,167	11,612,892	11,572,977	(5) 57,775,677	154,281,385
<b>OPERATING STATISTICS</b>							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month April, 1958	71,407	-	-	-	86,439	230,131	387,977
This year (4 months)	92,327	-	-	-	96,842	249,907	439,076
<u>Trunk Lines</u>							
This month April, 1958	-	276,241	176,722	80,556	90,291	358,278	982,088
This year (4 months)	-	306,087	212,585	96,774	96,441	414,780	1,126,667
<u>Total Barrel Miles</u>				<u>Miles</u>			
(Trunk Lines - in millions)							
This month April, 1958	-	3,924	390	1,685	188	1,180	(8) 7,367
This year (4 months)	-	17,238	1,880	7,884	804	5,551	(8) 33,357
<u>Average Miles Per Barrel</u>							
(Trunk Lines)							
This month April, 1958	-	447.0	73.6	697.0	69.5	109.7	242.6
This year (4 months)	-	441.0	73.7	679.0	69.5	111.4	239.0
<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,							
Nine Months ending Sept. 30,							
Twelve Months ending Dec. 31,							
<b>EMPLOYEES AND EARNINGS</b>				<u>Number</u>			
Number of Employees April, 1958	154	417	54	245	165	(6) 621	1,656
<u>Salaries and Wages</u>				<u>Dollars</u>			
This month April, 1958	68,419	208,594	23,608	124,568	71,925	(6) 275,197	772,311
This year (4 months)	270,292	818,879	93,952	528,892	289,750	(6) 1,088,020	3,089,785
<u>Man-Hours Worked by Wage Earners</u>				<u>Hours</u>			
This month April, 1958	18,113	560	5,905	-	15,497	(6) 33,388	73,463
This year (4 months)	70,359	1,296	23,973	400	61,450	(6) 127,258	284,736

\* Totals include duplication between companies.

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

(2) Includes 3,287,863 bbls. products and 45,931 bbls. natural gasoline.

(3) Includes 15,232,179 bbls. products and 200,204 bbls. natural gasoline.

(4) Includes 3,282,422 bbls. products and 47,992 bbls. natural gasoline.

(5) Includes 15,271,557 bbls. products and 197,267 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.

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

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1958 1957

TO OWN TRUNK LINES  
TO OTHER CANADIAN PIPE LINES  
NET DELIVERIES

## GATHERING SYSTEM

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Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

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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