



## DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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## OIL PIPE LINE TRANSPORT

APRIL 1959

Net deliveries of oil from Canadian pipe lines rose 16 p.c. in April 1959, 264,000 barrels in April from 20,074,964 in the corresponding month last year, declined seasonally from the 27,331,138 barrels delivered in March. The average delivery of 775,469 barrels per day compares with 669,165 last year and 881,650 in March. Barrels per mile at 8,567 million were 16 p.c. above the April 1958 figure of 7,367 and the average length of haul increased to 249.8 from 242.6.

Net deliveries from both gathering and trunk lines for the first four months ended April 30, amounted to 106,805,033 barrels as compared to 92,125,609 in the same period last year, an increase of 15.9 p.c. Provincial deliveries, in barrels, for the first four months were as follows (1958 data in brackets): British Columbia, 10,565,683 (11,612,892); Alberta, 7,045,839 (4,696,479); Saskatchewan, 6,879,281 (5,562,543); Manitoba, 34,731,398 (29,763,229); Ontario, 17,296,003 (14,980,299); Quebec, 30,286,829 (25,510,167). Included in Manitoba deliveries were 31,006,403 barrels (26,069,520) 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 439,667 barrels per day during April, 13.3 p.c. above April, 1958 but 15.0 p.c. below the previous month. Trunk lines averaged 1,142,973 barrels, an increase of 16.4 p.c. over the previous year but 11.7 p.c. below March.

During the month of April net receipts increased to 23,837,718 barrels from 20,221,188 in the previous year. Comprising the current month's receipts were 8,888,538 barrels of Alberta crude and 40,527 barrels of natural gasoline, 3,543,448 barrels Saskatchewan crude, 414,553 barrels Manitoba crude, 6,814,082 imported crude and 4,136,570 barrels of refinery products.

Employees and earnings dropped in April to 1,548 employees earning \$766,131 as compared with 1,656 employees earning \$772,311 in the corresponding month last year.

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., Mobil Oil of Canada, 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.

Prepared in the Transportation and Public Utilities Section,  
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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 1959, per table 6 .....            | 174,132,371 |
| Received into Trunk Lines from other Canadian Pipe Lines ..... | 65,964,863  |
| "Net Received" into Canadian Pipe Line Systems .....           | 108,167,508 |
| "Net Received" into Trunk Systems per table 1 .....            | 50,209,472  |
| "Net Received" into Gathering Systems per table 2 .....        | 57,958,036  |
| Total Delivered out of Systems - all companies -               |             |
| during first four months of 1959 per table 6 .....             | 176,554,527 |
| Delivered to other Canadian Pipe Lines .....                   | 69,749,494  |
| "Net Delivered" from Canadian Pipe Line Systems .....          | 106,805,033 |
| "Net Delivered" from Trunk Systems per table 1 .....           | 105,630,729 |
| "Net Delivered" from Gathering Systems per table 2 .....       | 1,174,304   |

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, 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 April 30, 1959 ..... | 60,834,030  |             |
| Received into Trunk Systems January 1 to April 30, 1959 .....     | 154,490,215 | 215,324,245 |
| Total oil accountable for period .....                            |             | 226,971,306 |
| Delivered from Gathering Systems January 1 to April 30, 1959 .... | 60,809,737  |             |
| Delivered from Trunk Systems January 1 to April 30, 1959 .....    | 154,060,670 | 214,870,407 |
| Balance to be accounted for at April 30, 1959 .....               |             | 12,100,899  |
| Oil consumed as fuel and losses January 1 to April 30, 1959 .     |             | 158,938     |
| Balance on hand - April 30, 1959 .....                            |             | 11,941,961  |
| Total Shippers Balances - April 30, 1959 .....                    | 10,731,721  |             |
| Total Carriers Balances - April 30, 1959 .....                    | 1,210,240   |             |

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<br>Pipe Line Company |  | Sun Pipe Line<br>Company |
|-------------|--------------------------------------|--|--------------------------|
|             | Crude Oil Delivered at               |  | Crude and Refined Oil    |
|             | Sarnia                               | Clarkson,<br>Port Credit<br>and Bronte | Delivered at Sarnia      |
|             | Barrels                              | Barrels                                | Barrels                  |
| April, 1958 | 2,754,483                            | 1,234,216                              | 202,246                  |
| March, 1959 | 3,616,081                            | 2,261,076                              | 199,999                  |
| April, 1959 | 3,737,041                            | 1,941,112                              | 137,290                  |

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

|   | April<br>1959 | March<br>1959 | April<br>1958 | YEAR TO DATE<br>1959 |
|---|---------------|---------------|---------------|----------------------|
|   | Barrels       | Barrels       | Barrels       | Barrels              |
| 1. <u>Total Received* (2+3+4+5)</u>                       | 34,348,666    | 40,125,652    | 29,186,163    | 154,490,215          |
| Less: Received from other Canadian pipe lines -           |               |               |               |                      |
| 2.     Own Gathering System                               | 8,612,489     | 9,929,597     | 7,177,348     | 38,315,880           |
| 3.     Other pipe lines - Gathering                       | 5,175,626     | 6,300,665     | 4,716,285     | 23,720,393           |
| 4.             Trunk                                      | 9,192,090     | 10,910,177    | 8,219,969     | 42,244,470           |
| 5. <u>Net Received (6+7+8)</u>                            | 11,368,461    | 12,985,213    | 9,072,561     | 50,209,472           |
| 6.     Originating on own trunk lines                     | 4,348,946     | 4,566,786     | 3,583,403     | 19,073,617           |
| 7.     Received from foreign pipe line connections        | 6,814,082     | 8,220,417     | 5,351,215     | 30,351,020           |
| 8.     Received from other carriers (rail & truck)        | 205,433       | 198,010       | 137,943       | 784,835              |
| 9. <u>Total Delivered* (10+11)</u>                        | 34,289,187    | 40,143,824    | 29,462,629    | 154,060,670          |
| 10. Less: Delivered to other Canadian trunk lines         | 11,334,497    | 13,140,887    | 9,621,369     | 48,429,941           |
| 11. <u>Net Delivered (12+13+14)</u>                       | 22,954,690    | 27,002,937    | 19,841,260    | 105,630,729          |
| 12.     Terminated on own trunk lines                     | 15,645,152    | 18,067,650    | 13,020,265    | 71,420,204           |
| 13.     Delivered to foreign pipe line connections        | 7,261,112     | 8,856,488     | 6,796,587     | 33,888,924           |
| 14.     Delivered to other carriers (truck, rail & water) | 48,426        | 78,799        | 24,408        | 321,601              |

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

|   | April<br>1959 | March<br>1959 | April<br>1958 | YEAR TO DATE<br>1959 |
|---|---------------|---------------|---------------|----------------------|
|   | Barrels       | Barrels       | Barrels       | Barrels              |
| 15. <u>Total Received (16+17)</u>                   | 13,199,284    | 15,642,946    | 11,635,779    | 60,834,030           |
| 16. Less: Received from other gathering systems     | 730,027       | 788,093       | 487,152       | 2,875,994            |
| 17. <u>Net Received (18+19)</u>                     | 12,469,257    | 14,854,853    | 11,148,627    | 57,958,036           |
| 18.     Originating on own gathering system         | 12,237,106    | 14,540,864    | 11,059,171    | 56,661,977           |
| 19.     Received from other carriers (rail & truck) | 232,151       | 313,989       | 89,456        | 1,296,059            |
| 20. <u>Total Delivered* (21+22+23)</u>              | 13,190,019    | 15,679,009    | 11,637,818    | 60,809,737           |
| Less: Delivered to other pipe lines -               |               |               |               |                      |
| 21.     Own Trunk system                            | 8,612,489     | 9,929,597     | 7,177,348     | 38,315,880           |
| 22.     Other pipe lines                            | 4,268,154     | 5,421,211     | 4,226,766     | 21,319,553           |
| 23. <u>Net Delivered (24+25)</u>                    | 309,376       | 328,201       | 233,704       | 1,174,304            |
| 24.     Terminated on gathering systems             | 204,153       | 184,374       | 87,107        | 726,040              |
| 25.     Delivered to other carriers (rail & truck)  | 105,223       | 143,827       | 146,597       | 448,264              |

† Includes natural gasoline and refinery products.

\* Includes duplications.

‡ Includes natural gasoline.



TABLE 3

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

| Province     |             | April<br>1959 | March<br>1959 | April<br>1958 | YEAR TO DATE<br>1959 |
|--------------|-------------|---------------|---------------|---------------|----------------------|
|              |             | Barrels       | Barrels       | Barrels       | Barrels              |
| Alberta (1)  | - Gathering | 8,729,948     | 10,566,019    | 7,648,864     | 42,583,895           |
| "            | - Trunk     | 400,869       | 436,824       | 376,672       | 1,731,718            |
| Saskatchewan | - Gathering | 3,324,756     | 3,851,596     | 3,038,841     | 13,720,208           |
| "            | - Trunk     | 218,692       | 208,787       | 112,742       | 853,999              |
| Manitoba     | - Gathering | 414,553       | 437,238       | 460,922       | 1,653,933            |
| "            | - Trunk     | -             | -             | -             | -                    |
| Ontario (2)  | - Trunk     | 2,792,167     | 3,053,497     | 2,251,768     | 11,923,665           |
| Quebec (3)   | - Trunk     | 7,956,733     | 9,286,105     | 6,331,379     | 35,700,090           |
| Net Received | - Gathering | 12,469,257    | 14,854,853    | 11,148,627    | 57,958,036           |
| " "          | - Trunk     | 11,368,461    | 12,985,213    | 9,072,561     | 50,209,472           |
| " "          | - Total     | 23,837,718    | 27,840,066    | 20,221,188    | 108,167,508          |

TABLE 4

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

| Province  |                 | April<br>1959 | March<br>1959 | April<br>1958 | YEAR TO DATE<br>1959 |
|---|-----------------|---------------|---------------|---------------|----------------------|
|   |                 | Barrels       | Barrels       | Barrels       | Barrels              |
| British Columbia                                    | - Trunk         | 2,347,895     | 2,839,526     | 2,416,681     | 10,565,683           |
| Alberta (1)   | - Gathering     | 247,108       | 221,705       | 125,090       | 865,937              |
| "   | - Trunk         | 860,372       | 1,323,144     | 1,083,732     | 6,179,902            |
| Saskatchewan  | - Gathering     | 62,268        | 106,496       | 108,614       | 308,307              |
| "   | - Trunk         | 1,528,876     | 1,617,695     | 1,204,501     | 6,570,314            |
| Manitoba  | - Trunk         | 7,497,207     | 8,925,425     | 6,604,807     | 34,731,398           |
| Ontario (2)   | - Trunk         | 3,940,994     | 4,116,905     | 3,229,870     | 17,296,003           |
| Quebec  | - Trunk         | 6,779,346     | 8,180,242     | 5,301,669     | 30,286,319           |
| Net Delivered                                       | - Gathering     | 309,376       | 328,201       | 233,704       | 1,174,304            |
| " "   | - Trunk         | 22,954,690    | 27,002,937    | 19,841,260    | 105,630,729          |
| " "   | - Total         | 23,264,066    | 27,331,138    | 20,074,964    | 106,805,033          |
| " "   | - Daily average | 775,469       | 881,650       | 669,165       | 890,042              |
| Includes deliveries to U.S. pipe lines, Grtna, Man. |                 | 6,780,339     | 7,919,198     | 5,867,836     | 31,006,403           |
| Includes exports -                                  |                 |               |               |               |                      |
| via Trans Mountain Oil Pipe Line Company            |                 | 480,773       | 937,290       | 928,751       | 2,882,521            |
| via Interprovincial Pipe Line Company               |                 | 1,668,273     | 1,809,417     | 1,493,654     | 7,003,673            |

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

|  |          | April<br>1959 | March *<br>1959 | April<br>1958 | YEAR TO DATE<br>1959 |
|--|----------|---------------|-----------------|---------------|----------------------|
| Barrels Handled - Daily Average          |          |               |                 |               |                      |
| Gathering Systems                        | Barrels  | 439,667       | 505,774         | 387,928       | 506,748              |
| Trunk Lines                              | "        | 1,142,973     | 1,294,962       | 982,088       | 1,283,839            |
| Total Barrel Miles (Trunk Lines)         | Millions | 8,567         | 9,891           | 7,367         | 39,360               |
| Average Miles Per Barrel (Trunk Lines)   | Miles    | 249.8         | 246.4           | 242.6         | 255.5                |
| Employees and Earnings (6)               |          |               |                 |               |                      |
| Average Number (4)                       | No.      | 1,548         | 1,549           | 1,656         | 1,398                |
| Total Salaries and Wages                 | \$       | 766,131       | 769,260         | 772,311       | 3,052,440            |
| Man-Hours Worked by Wage Earners (5) (6) | Hours    | 70,610        | 67,492          | 73,463        | 276,939              |

(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 Oil, Ltd., Corrad Oil and Gas Company, Key Pipe Line Company, Ltd., Mid-Saskatchewan Lines, Ltd., Mobil Oil of Canada, Ltd., Nisku Products Pipe Line Company, Ltd., Peace River Oil Pipe Line Company, Ltd., Sarnia Products Line and Valley Pipe Line Company, Ltd.

\* Revised

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES  
April, 1959

|   | Imperial<br>Pipe Line<br>Company,<br>Ltd. | Inter-<br>provincial<br>Pipe Line<br>Company | Montreal<br>Pipe Line<br>Company,<br>Ltd. | Trans<br>Mountain Oil<br>Pipe Line<br>Company | Pembina<br>Pipe Line<br>Ltd. | Other<br>Pipe Lines<br>(1) | Total       |
|---|---|--|---|---|------------------------------|----------------------------|-------------|
| <b>TRAFFIC*</b>                               |   |  |   |   |                              |                            |             |
| <b>Total Received into System</b>             |   |  |   |   |                              |                            |             |
| This month April, 1959                        | 2,061,500                                 | 9,127,714                                    | 6,814,082                                 | 2,308,325                                     | 3,223,466                    | (2) 14,670,347             | 38,205,434  |
| This year (4 months)                          | 11,689,805                                | 42,573,365                                   | 30,351,020                                | 10,494,357                                    | 13,093,763                   | (3) 65,930,061             | 174,132,371 |
| <b>Total Delivered out of System</b>          |   |  |   |   |                              |                            |             |
| This month April, 1959                        | 2,062,015                                 | 9,167,271                                    | 6,779,346                                 | 2,347,895                                     | 3,242,918                    | (4) 15,267,272             | 38,866,717  |
| This year (4 months)                          | 11,691,808                                | 42,164,815                                   | 30,286,829                                | 10,565,683                                    | 13,082,697                   | (5) 68,762,695             | 176,554,527 |
| <b>OPERATING STATISTICS</b>                   |   |  |   |   |                              |                            |             |
| <b>Barrels Handled - Daily Average</b>        |   |  |   |   |                              |                            |             |
| <b>Gathering Lines</b>                        |   |  |   |   |                              |                            |             |
| This month April, 1959                        | 68,734                                    | -  | -   | -   | 107,298                      | 263,635                    | 439,667     |
| This year (4 months)                          | 97,432                                    | -  | -   | -   | 108,949                      | 300,367                    | 506,748     |
| <b>Trunk Lines</b>                            |   |  |   |   |                              |                            |             |
| This month April, 1959                        | -   | 305,576                                      | 225,978                                   | 78,263  | 108,097                      | 425,059                    | 1,142,973   |
| This year (4 months)                          | -   | 351,373                                      | 252,390                                   | 88,047  | 109,023                      | 483,006                    | 1,283,839   |
| <b>Total Barrel Miles (Trunk Lines)</b>       |   |  |   |   |                              |                            |             |
| <b>in millions</b>                            |   |  |   |   |                              |                            |             |
| This month April, 1959                        | -   | 4,881  | 478                                       | 1,595   | 226                          | 1,387                      | 8,567       |
| This year (4 months)                          | -   | 22,974                                       | 2,137                                     | 7,103   | 909                          | 6,237                      | 39,360      |
| <b>Average Miles per Barrel (Trunk Lines)</b> |   |  |   |   |                              |                            |             |
| This month April, 1959                        | -   | 496.0  | 70.6                                      | 679.0   | 69.5                         | 110.3                      | 249.8       |
| This year (4 months)                          | -   | 507.0  | 70.6                                      | 672.0   | 69.5                         | 107.6                      | 255.5       |
| <b>OPERATING REVENUES 1959</b>                |   |  |   |   |                              |                            |             |
| Three months ended Mar. 31                    | 751,519                                   | 8,685,257                                    | 826,440                                   | Dollars 3,437,294                             | 1,485,811                    | (7) 7,502,354              | 22,688,675  |
| Six months " June 30                          |   |  |   |   |                              |                            |             |
| Nine months " Sept. 31                        |   |  |   |   |                              |                            |             |
| Twelve months " Dec. 31                       |   |  |   |   |                              |                            |             |
| <b>EMPLOYEES AND EARNINGS</b>                 |   |  |   |   |                              |                            |             |
| Employees, April, 1959                        | 137                                       | 414  | 51  | Number 218                                    | 146                          | (6) 582                    | 1,548       |
| <b>Salaries and Wages</b>                     |   |  |   |   |                              |                            |             |
| This month April, 1959                        | 64,233                                    | 214,549                                      | 24,626                                    | Dollars 123,721                               | 68,015                       | (6) 270,987                | 766,131     |
| This year (4 months)                          | 259,565                                   | 839,522                                      | 99,336                                    | 483,936                                       | 275,543                      | (6) 1,094,538              | 3,052,440   |
| <b>Man hours Worked by Wage Earners</b>       |   |  |   |   |                              |                            |             |
| This month April, 1959                        | 14,253                                    | 463  | 6,104                                     | Hours -                                       | 14,153                       | (6) 35,637                 | 70,610      |
| This year (4 months)                          | 58,720                                    | 2,547  | 24,000                                    | -   | 56,455                       | (6) 135,208                | 276,930     |

\* Totals include duplication between companies.

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

(2) Includes 4,136,570 bbls. products and 40,527 bbls. natural gasoline.

(3) Includes 18,243,530 bbls. products and 198,190 bbls. natural gasoline.

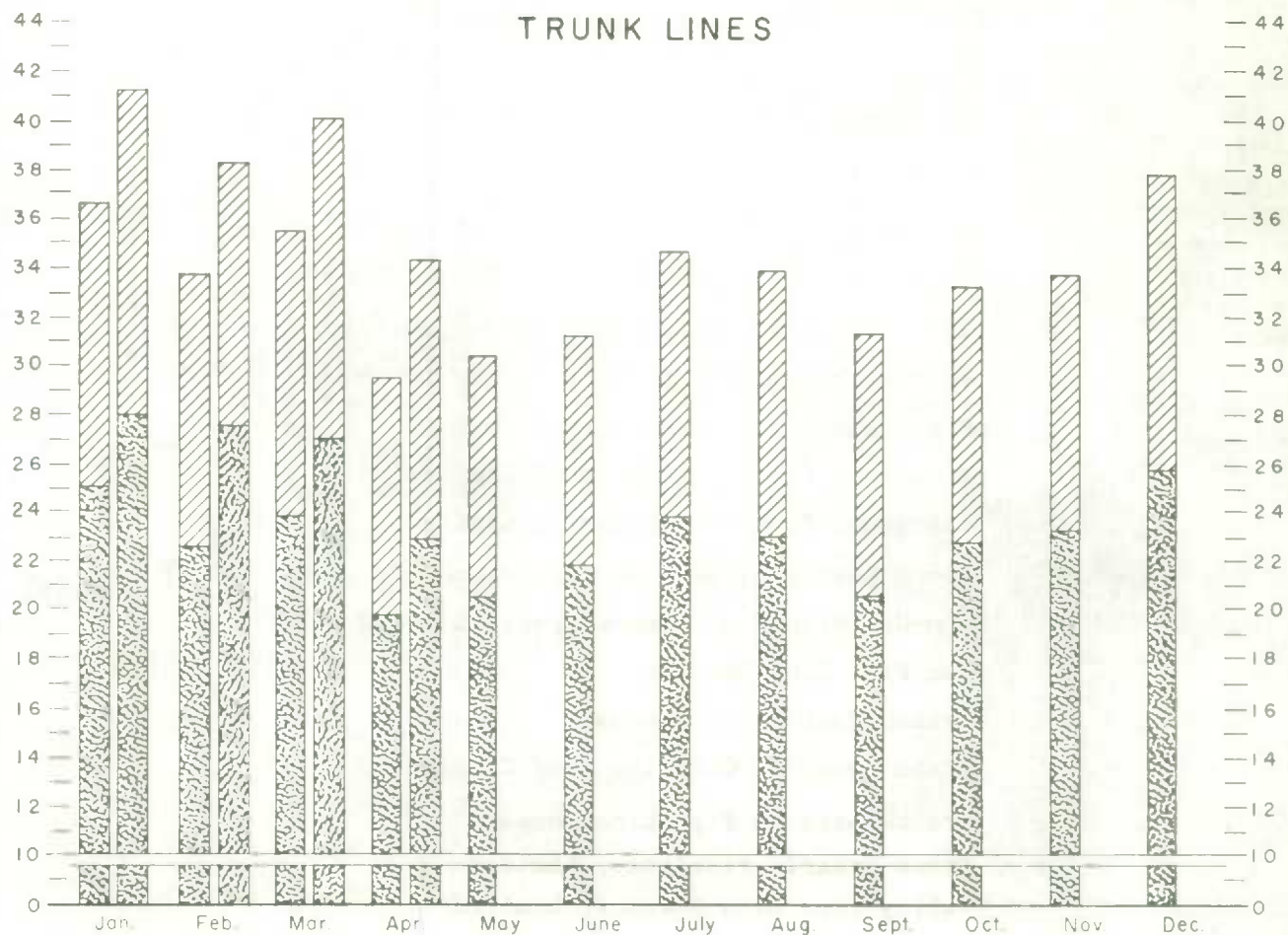
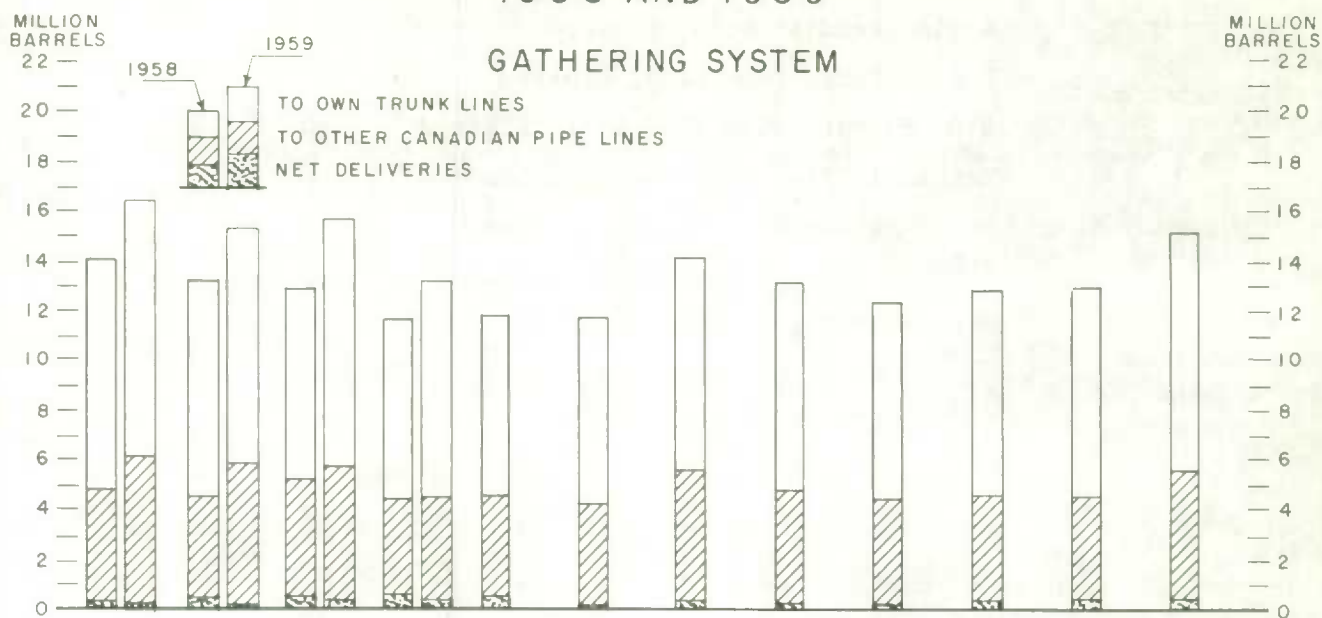
(4) Includes 4,023,218 bbls. products and 41,245 bbls. natural gasoline.

(5) Includes 17,776,050 bbls. products and 201,221 bbls. natural gasoline.

(6) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; Goliad Oil and Gas Company; 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 Westpur Pipe Line Company.

(7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Goliad Oil and Gas Company; Green River Exploration Company; Mobil Oil of Canada Limited and Sarnia Products Line.

# 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 Crude Oil Purchasing 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  
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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