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Memorandum

Vol. 6, No. 9

## PIPE LINES (OIL) STATISTICS

Price: \$1.00 per year

SEPTEMBER, 1956

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Oil carried by Canadian pipe lines declined during September. Net deliveries totalled 22,720,659 barrels, or an average of 757,355 barrels per day. This was a decrease of 41,667 barrels per day or 5.2 p.c. below the August average of 799,022, but 25.5 p.c. above the daily average of 603,275 barrels delivered during September, 1955.

For the nine months ended September 30, net deliveries amounted to 200,642,930 barrels compared with 161,513,689 for the same period last year, an increase of 24.2 p.c. Provincial totals for the period were as follows (1955 data in brackets): British Columbia 33,008,409 barrels (21,659,273); Alberta 14,487,824 (13,481,397); Saskatchewan 12,547,209 (11,770,706); Manitoba 52,589,754 (37,327,284); Ontario 31,620,624 (27,387,218); Quebec 56,389,110 (49,887,811). Manitoba deliveries included 45,304,339 barrels (31,874,197) transferred to the Lakehead Pipe Line Company at Gretna. Of this amount 12,133,593 barrels (10,983,322) were for export while the remainder was destined to refineries at Sarnia. Exports via the Trans Mountain Oil Pipe Line are shown in a footnote to table 4, and include all deliveries at dock for export.

For the month of September the Trans Mountain Oil Pipe Line Company reported a record export of 2,843,522 barrels, the bulk of which went to the United States. A total of 113,229 barrels, however, was exported to Japan.

Net receipts during the month of September amounted to 23,149,791 barrels, compared with 18,594,772 in the same month last year, an increase of 24.5 p.c. Included in the September receipts were 12,202,035 barrels of Alberta crude, 49,923 barrels of Alberta natural gasoline, 506,728 barrels of Manitoba crude, 1,403,647 barrels of Saskatchewan crude, 5,689,156 barrels of imported crude and 3,298,302 barrels of refinery products.

Gathering systems handled an average of 456,589 barrels per day compared with 460,743 barrels in August, and 313,499 barrels one year earlier. Trunk lines delivered 1,041,664 barrels per day in the month under review, compared with 1,073,805 in August and 772,788 in September 1955.

Barrel miles at 9,668 million, were down slightly from 10,100 million in August, but the average haul rose from 303.4 in the previous month to 309.3.

Employment showed little change, but salaries and wages rose to a new high of \$711,756 from \$692,385 in August. The average earning of \$444 for the month of September was the highest recorded.

Operating revenues for the third quarter of the year were up by over \$4 million, rising to \$20,701,305 from \$16,642,668 in the previous quarter. For the nine months ended September 30, revenues totalled \$55,716,198 compared with \$42,174,590 for the same period of 1955, an increase of \$13,541,608 or 32 p.c.

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

8504-508-96

Operations of the Cremona Pipe Lines, Limited, are included in this report. This line carries oil from the Sundre, Westward Ho, and Harmatton - Elkton areas in Alberta to Calgary and commenced operations on September 21.

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., Mobil Oil of Canada, Ltd., Nisku Products Pipe Line Company, Peace River Oil Pipe Line Company, Ltd., Anglo Canadian Oils, 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.

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.

	<u>Barrels</u>
Total Received into Systems - all companies - during first nine months of 1956, per table 6 .....	319,881,306
Received into Trunk Lines from other Canadian Pipe Lines .....	116,815,847
"Net Received" into Canadian Pipe Line Systems .....	203,065,459
"Net Received" into Trunk Systems per table 1 .....	93,170,895
"Net Received" into Gathering Systems per table 2 .....	109,894,564
Total Delivered out of Systems - all companies - during first nine months of 1956, per table 6 .....	317,938,684
Delivered to other Canadian Pipe Lines .....	117,295,754
"Net Delivered" from Canadian Pipe Line Systems .....	200,642,930
"Net Delivered" from Trunk Systems per table 1 .....	194,759,680
"Net Delivered" from Gathering Systems per table 2 .....	5,883,250

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 September and are given herewith:

OIL BALANCE - ALL COMPANIES - SEPTEMBER, 1956

	<u>Barrels</u>	
Total Shippers Balances - January 1, 1956 .....	8,937,210	
Total Carriers Balances - January 1, 1956 .....	375,411	9,312,621
Received into Gathering Systems January 1 to September 30, 1956 .....	<u>109,894,564</u>	
Received into Trunk Systems January 1 to September 30, 1956 .....	<u>268,606,845</u>	<u>378,501,409</u>
Total oil accountable for period .....		387,814,030
Delivered from Gathering Systems January 1 to September 30, 1956 .....	109,916,208	
Delivered from Trunk Systems during January 1 to September 30, 1956 .....	<u>266,640,860</u>	<u>376,557,068</u>
Balance to be accounted for at July 31, 1956 .....		11,256,962
Oil consumed as fuel and losses January 1 to September 30, 1956 .....		<u>374,487</u>
Balance on hand - September 30, 1956 .....		10,882,475
Total Shippers Balances - September 30, 1956 .....	10,208,331	
Total Carriers Balances - September 30, 1956 .....	674,144	

The Interprovincial Pipe Line Company operates over 1,500 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. The Sun Pipe Line Company also operates lines across the St. Clair River from the United States to Sarnia. Oil delivered at Sarnia 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 data for these two short sections are not included in Canadian oil pipe line statistics. A summary of oil delivered by these two lines at Sarnia follows:

Month	Interprovincial Pipe Line Company	Sun Pipe Line Company
	Crude Oil	Crude and Refined Oil
	Barrels	Barrels
September, 1955	2,978,580	425,359
August, 1956	3,691,393	700,723
September, 1956	3,424,153	641,966

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	SEPTEMBER 1956	AUGUST 1956	SEPTEMBER 1955	YEAR TO DATE 1956
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	31,338,321	33,767,402	23,500,215	268,606,845
Less: Received from other Canadian pipe lines -				
2.     Own Gathering System	7,923,681	8,022,395	4,227,920	58,620,103
3.     Other pipe lines - Gathering	3,610,252	3,708,687	2,757,925	27,912,359
4.                     Trunk	10,323,932	11,052,178	7,330,794	88,903,488
5. <u>Net Received (6+7+8)</u>	9,480,456	10,984,142	9,183,576	93,170,895
6.     Originating on own trunk lines	3,682,241	4,228,191	3,394,925	35,824,842
7.     Received from foreign pipe line connections	5,689,156	6,649,589	5,718,817	56,455,541
8.     Received from other carriers (rail & truck)	109,059	106,362	69,834	890,512
9. <u>Total Delivered * (10+11)</u>	31,249,328	33,287,955	23,183,651	266,640,860
10. Less: Delivered to other Canadian trunk lines	8,913,202	8,874,303	6,249,979	71,881,180
11. <u>Net Delivered (12+13+14)</u>	22,336,126	24,413,652	16,933,672	194,759,680
12.     Terminated on own trunk lines	14,038,069	16,241,824	12,369,490	132,883,384
13.     Delivered to foreign pipe line connections	7,290,901	7,162,757	4,546,002	57,830,822
14.     Delivered to other carriers (truck, rail and water)	1,007,156	1,009,071	18,180	4,045,474

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	SEPTEMBER 1956	AUGUST 1956	SEPTEMBER 1955	YEAR TO DATE 1956
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	13,669,335	14,331,502	9,411,196	109,894,564
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	13,669,335	14,331,502	9,411,196	109,894,564
18.     Originating on own gathering system	12,951,143	13,745,907	9,127,011	106,608,863
19.     Received from other carriers (rail & truck)	718,192	585,595	284,185	3,285,701
20. <u>Total Delivered * (21+22+23)</u>	13,697,695	14,283,058	9,404,958	109,916,208
Less: Delivered to other pipe lines -				
21.     Own Trunk system	7,923,681	8,022,395	4,227,920	58,618,384
22.     Other pipe lines	5,389,481	5,904,640	4,012,474	45,414,574
23. <u>Net Delivered (24+25)</u>	384,533	356,023	1,164,564	5,883,250
24.     Terminated on gathering systems	93,149	75,859	958,678	3,824,722
25.     Delivered to other carriers (rail & truck)	291,384	280,164	205,886	2,058,528

† Includes natural gasoline and products.  
 \* Includes duplications.  
 † Includes natural gasoline.

TABLE 3

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

Province		SEPTEMBER	AUGUST	SEPTEMBER	YEAR TO DATE
		1 9 5 6	1 9 5 6	1 9 5 5	1 9 5 6
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	11,796,503	12,590,706	8,499,113	97,910,826
"	- Trunk	535,214	547,833	521,960	4,911,280
Saskatchewan	- Gathering	1,366,104	1,233,061	518,210	7,772,768
"	- Trunk	37,543	38,841	-	144,564
Manitoba	- Gathering	506,728	507,735	393,873	4,210,970
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	1,720,171	2,354,594	1,818,526	18,453,151
Quebec (3)	- Trunk	7,187,528	8,042,874	6,843,090	69,661,900
Net Received	- Gathering	13,669,335	14,331,502	9,411,196	109,894,564
"	- Trunk	9,480,456	10,984,142	9,183,576	93,170,895
"	- Total	23,149,791	25,315,644	18,594,772	203,065,459

TABLE 4

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

Province		SEPTEMBER	AUGUST	SEPTEMBER	YEAR TO DATE
		1 9 5 6	1 9 5 6	1 9 5 5	1 9 5 6
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	4,702,600	4,756,889	2,821,527	33,008,409
Alberta (1)	- Gathering	260,919	207,455	1,128,560	4,810,479
"	- Trunk	1,149,365	1,644,056	447,910	9,677,345
Saskatchewan	- Gathering	123,614	148,568	36,004	1,072,771
"	- Trunk	1,449,030	1,294,906	984,797	11,474,438
Manitoba	- Trunk	6,213,659	6,299,523	4,059,820	52,589,754
Ontario (2)	- Trunk	3,172,248	3,728,582	2,918,840	31,620,624
Quebec	- Trunk	5,649,224	6,689,696	5,700,778	56,389,110
Net Delivered	- Gathering	384,533	356,023	1,164,564	5,883,250
"	- Trunk	22,336,126	24,413,652	16,933,672	194,759,680
"	- Total	22,720,659	24,769,675	18,098,236	200,642,930
†	Including exports	2,843,522	2,758,234	1,125,273	16,375,936
‡	Including deliveries to U.S. pipe lines, Gretna, Man.	5,431,948	5,394,496	3,420,729	45,304,339

TABLE 5

OPERATING STATISTICS

		SEPTEMBER	AUGUST	SEPTEMBER	YEAR TO DATE
		1 9 5 6	1 9 5 6	1 9 5 5	1 9 5 6
Barrels Handled - Daily Average					
Gathering Systems	Barrels	456,589	460,743	313,499	401,154
Trunk Lines	"	1,041,644	1,073,805	772,788	973,141
Total Barrel Miles (Trunk Lines)	Millions	9,668	10,100	6,608	80,171
Average Miles Per Barrel (Trunk Lines)	Miles	309.3	303.4	285.0	300.6
Employees and Earnings (6)					
Average Number (4)	No.	1,604	1,607	1,292	1,355
Total Salaries and Wages	\$	711,756	692,385	537,432	5,696,692
Man-Hours Worked by Wage Earners (5) (6)	Hours	74,992	74,307	58,638	597,917

- (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., Sarnia Products Line, 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., and Valley Pipe Line Company, Ltd.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

September, 1956

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
<b>TRAFFIC*</b>						
			<u>Barrels</u>			
<u>Total Received into System</u>						
This month (September, 1956)	4,472,609	8,146,721	5,689,156	4,556,284	(2) 14,219,205	37,083,975
This year (9 months)	40,764,377	72,081,363	56,455,541	33,397,373	(3) 117,182,652	319,881,306
<u>Total Delivered out of System</u>						
This month (September, 1956)	4,480,958	8,160,644	5,649,224	4,702,600	(4) 14,029,916	37,023,342
This year (9 months)	40,772,937	71,195,498	56,389,110	33,008,409	(5) 116,572,730	317,938,684
<b>OPERATING STATISTICS</b>						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (September, 1956)	149,365	-	-	-	307,224	456,589
This year (9 months)	148,806	-	-	-	252,348	401,154
<u>Trunk Lines</u>						
This month (September, 1956)	-	272,021	188,307	156,753	424,563	1,041,644
This year (9 months)	-	259,838	205,799	120,469	387,035	973,141
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month (September, 1956)	-	4,587	417	3,291	1,373	9,668
This year (9 months)	-	40,827	4,155	23,012	12,177	80,171
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (September, 1956)	-	562.0	73.8	700.0	107.7	309.3
This year (9 months)	-	573.0	73.7	697.0	114.8	300.6
<b>OPERATING REVENUES</b>						
			<u>Dollars</u>			
Three Months ending March 31, 1956	965,948	5,986,021	624,367	5,252,344	(7) 5,543,545	18,372,225
Six Months ending June 30, 1956	1,871,676	11,660,890	1,277,408	9,397,247	(7) 10,807,672	35,014,893
Nine Months ending Sept. 30, 1956	2,878,530	18,090,437	1,922,595	15,650,352	(7) 17,174,284	55,716,198
Twelve Months ending Dec. 31, 1956						
<b>EMPLOYEES AND EARNINGS</b>						
<u>Number of Employees</u>			<u>Number</u>			
	174	434	55	218	(6) 723	1,604
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (September, 1956)	67,313	192,820	24,825	110,897	(6) 315,901	711,756
This year (9 months)	700,300	1,638,784	202,222	863,630	(6) 2,291,756	5,696,692
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month (September, 1956)	20,471	1,948	1,942	1,664	(6) 48,967	74,992
This year (9 months)	197,132	6,692	10,547	15,859	(6) 367,687	597,917

\* Totals include duplication between companies.

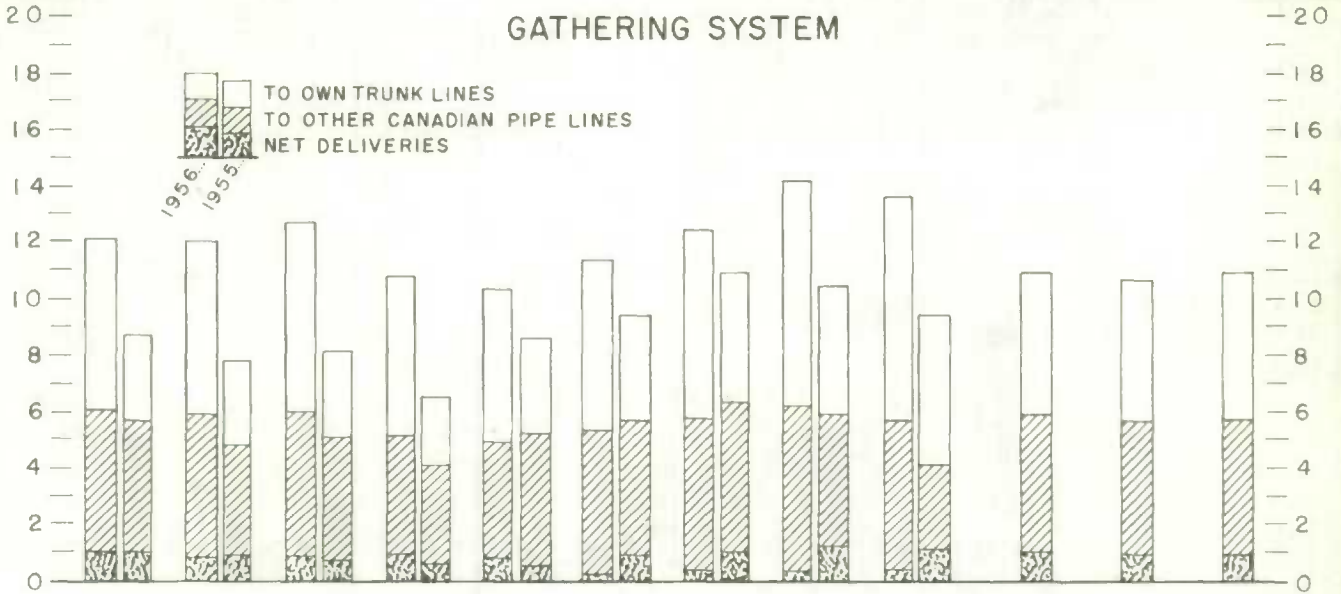
- (1) Includes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; B.A. Alberta Pipe Line, Limited; B.A. Saskatchewan Pipe Line, Limited; Britam Oil Pipe Line Company, Limited; Cremona Pipe Lines, Limited; Edmonton Pipe Line Co. Limited; Gibson Crude Oil Purchasing Co. Limited; Green River Exploration Co. 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, Limited; Pembina Pipe Line, Limited; Trans-Prairie Pipe Lines 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; Westspur Pipe Line Company; and Winnipeg Pipe Line Company, Limited.
- (2) Includes 3,298,302 bbls. products and 49,923 bbls. natural gasoline.
- (3) Includes 32,330,001 bbls. products and 459,866 bbls. natural gasoline.
- (4) Includes 3,251,803 bbls. products and 49,143 bbls. natural gasoline.
- (5) Includes 32,290,609 bbls. products and 459,224 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; and Valley Pipe Line Company Limited.
- (7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Green River Exploration Company; Mobil Oil of Canada Limited and Sarnia Products Line.

# MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1955 AND 1956

## GATHERING SYSTEM

MILLION  
BARRELS

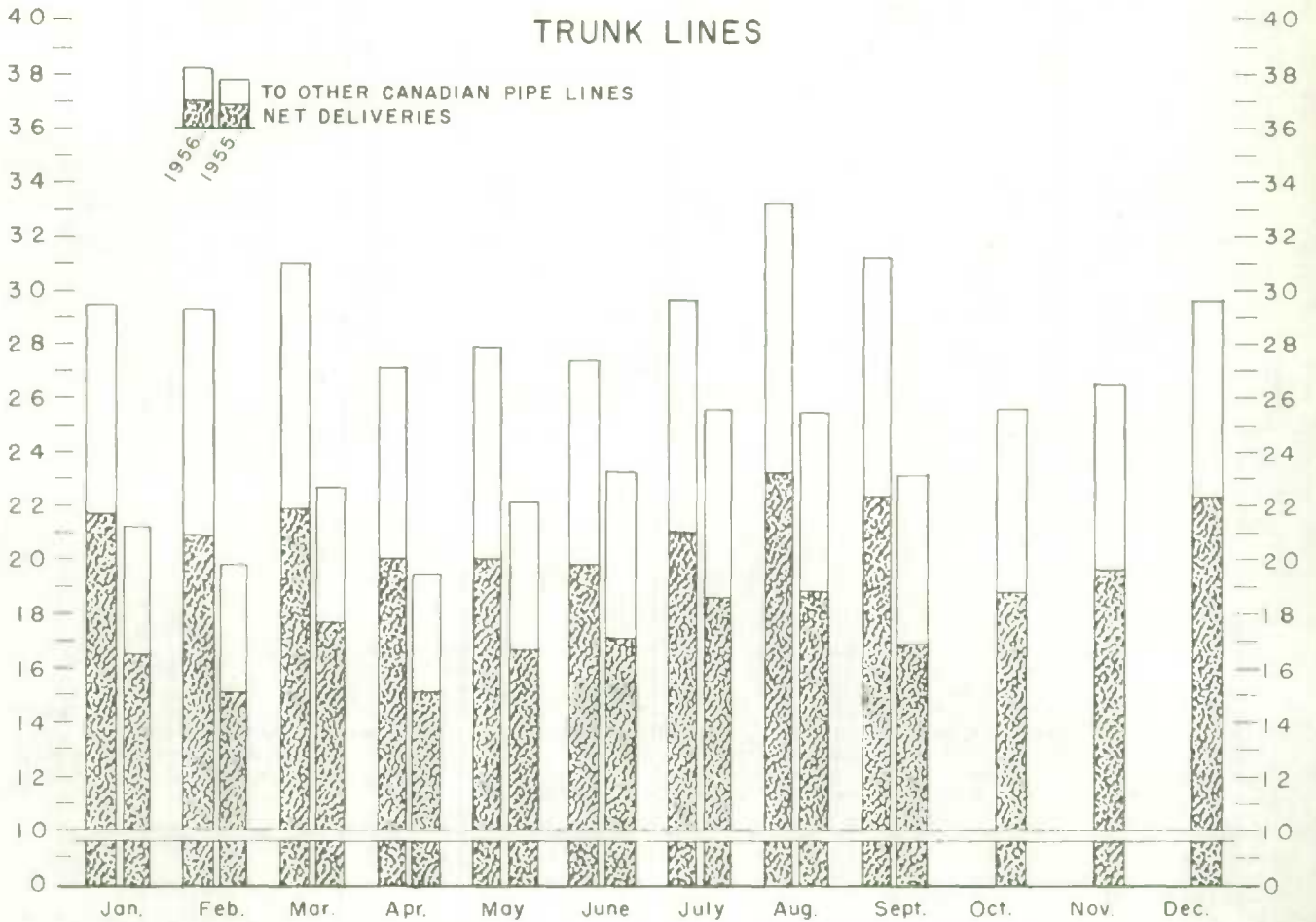
MILLION  
BARRELS



## TRUNK LINES

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