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PIPE LINES (OIL) STATISTICS

AUGUST, 1956.

With all major companies recording increased deliveries, total oil carried by Canadian pipe lines during August reached a new high at 24,769,675 barrels, or an average of 799,022 barrels per day. This was an increase of 111,151 barrels per day, or 16 p.c., over the July average of 687,871 barrels and 152,111 barrels above the daily average of 646,911 in August 1955.

For the eight months ended August 31, 1956, net deliveries amounted to 177,922,271 barrels, compared with 143,415,453 barrels delivered during the same period last year, an increase of 24 p.c. Provincial deliveries for this period were as follows (1955 data in brackets): British Columbia 28,305,809 barrels (18,837,746); Alberta 13,077,540 barrels (11,904,927); Saskatchewan 10,974,565 barrels (10,749,905); Manitoba 46,376,095 barrels (33,267,464); Ontario 28,448,376 barrels (24,468,378); Quebec 50,739,886 barrels (44,187,033). Manitoba deliveries included 39,872,391 barrels (28,453,468) transferred to the Lakehead Pipe Line Company at Gretna. Of this amount 10,983,322 barrels (2,286,046) 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.

The Imperial Refinery at Edmonton has been accepting deliveries of Pembina crude since June, with the result that a considerable drop occurred in net gathering deliveries offset by a compensating rise in trunk deliveries. Revisions due to this change are shown in table 4.

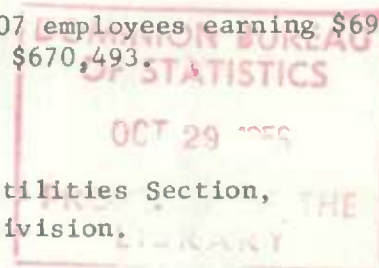
Net receipts for the month of August amounted to 25,315,644 barrels compared with 22,840,001 in July and 19,953,257 in the corresponding month last year. Included in the month's receipts were 13,010,483 barrels of Alberta crude, 50,008 barrels of Alberta Natural gasoline, 507,735 barrels of Manitoba crude, 1,271,902 barrels of Saskatchewan crude, 6,649,589 barrels of imported crude and 3,825,927 barrels of refinery products.

Both gathering and trunk lines handled more oil than in the previous month. Gathering systems handled an average of 460,743 barrels per day, 14.5 p.c. above the July daily average of 402,402 barrels, and trunk lines rose by 12.8 p.c. to 1,073,805 barrels per day. The corresponding month last year recorded an average of 338,480 barrels handled by gathering systems and 825,255 barrels by trunk. Barrel miles rose 12.9 p.c. to a new high of 10,100 million.

Employment and earnings continued to rise with 1,607 employees earning \$692,385. against the previous high in July of 1,564 employees earning \$670,493.

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

8504-508-86



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, 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.

	Barrels
Total Received into Systems - all companies -	
during first eight months of 1956, per table 6	282,797,331
Received into Trunk Lines from other Canadian Pipe Lines	102,881,663
"Net Received" into Canadian Pipe Line Systems	179,915,668
"Net Received" into Trunk Systems per table 1	83,690,439
"Net Received" into Gathering Systems per table 2	96,225,229
Total Delivered out of Systems - all companies -	
during first eight months of 1956, per table 6	280,915,342
Delivered to other Canadian Pipe Lines	102,993,071
"Net Delivered" from Canadian Pipe Line Systems	177,922,271
"Net Delivered" from Trunk Systems per table 1	172,423,554
"Net Delivered" from Gathering Systems per table 2	5,498,717

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 August and are given herewith:

OIL BALANCE - ALL COMPANIES - AUGUST, 1956

	Barrels
Total Shippers Balances - January 1, 1956	8,937,210
Total Carriers Balances - January 1, 1956	375,411
Received into Gathering Systems January 1 to August 31, 1956	96,225,229
Received into Trunk Systems January 1 to August 31, 1956	237,268,524
Total oil accountable for period	342,806,374
Delivered from Gathering Systems January 1 to August 31, 1956	96,218,513
Delivered from Trunk Systems during January 1 to August 31, 1956	235,391,532
Balance to be accounted for at August 31, 1956	11,196,329
Oil consumed as fuel and losses January 1 to August 31, 1956	325,162
Balance on hand - August 31, 1956	10,871,167
Total Shippers Balances - August 31, 1956	10,240,742
Total Carriers Balances - August 31, 1956	630,425

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 Crude Oil	Sun Pipe Line Company Crude and Refined Oil
	Barrels	Barrels
August, 1955	2,795,720	399,808
July, 1956	3,662,145	611,187
August, 1956	3,691,393	700,723

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	AUGUST 1 9 5 6	JULY 1 9 5 6	AUGUST 1 9 5 5	YEAR TO DATE 1 9 5 6
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	33,767,402	30,032,772	25,509,331	237,268,524
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	8,022,395	6,774,015	4,558,003	50,696,422
3. Other pipe lines - Gathering	3,708,687	3,096,402	3,168,916	24,302,107
4. Trunk	11,052,178	9,806,651	8,284,076	78,579,556
5. <u>Net Received (6+7+8)</u>	10,984,142	10,355,704	9,498,336	83,690,439
6. Originating on own trunk lines	4,228,191	3,764,851	3,543,722	32,142,601
7. Received from foreign pipe line connections	6,649,589	6,459,234	5,877,900	50,766,385
8. Received from other carriers (rail & truck)	106,362	131,619	76,714	781,453
9. <u>Total Delivered * (10+11)</u>	33,287,955	29,695,299	25,582,922	235,391,532
10. Less: Delivered to other Canadian trunk lines	8,874,303	x 7,500,241	6,767,449	62,967,978
11. <u>Net Delivered (12+13+14)</u>	24,413,652	x 22,195,058	18,815,473	172,423,554
12. Terminated on own trunk lines	16,241,824	x 15,327,289	13,209,648	118,845,315
13. Delivered to foreign pipe line connections	7,162,757	6,001,270	5,580,642	50,539,921
14. Delivered to other carriers (truck, rail and water)	1,009,071	866,499	25,183	3,038,318

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	AUGUST 1 9 5 6	JULY 1 9 5 6	AUGUST 1 9 5 5	YEAR TO DATE 1 9 5 6
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	14,331,502	12,484,297	10,454,921	96,225,229
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	14,331,502	12,484,297	10,454,921	96,225,229
18. Originating on own gathering system	13,745,907	12,069,713	10,108,441	93,657,720
19. Received from other carriers (rail & truck)	585,595	414,584	346,480	2,567,509
20. <u>Total Delivered * (21+22+23)</u>	14,283,058	12,474,476	10,492,877	96,218,513
Less: Delivered to other pipe lines -				
21. Own Trunk system	8,022,395	6,774,015	4,558,003	50,694,703
22. Other pipe lines	5,904,640	5,410,997	4,696,102	40,025,093
23. <u>Net Delivered (24+25)</u>	356,023	289,464	1,238,772	5,498,717
24. Terminated on gathering systems	75,859	67,546	1,037,275	3,731,573
25. Delivered to other carriers (rail & truck)	280,164	221,918	201,497	1,767,144

/ 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		AUGUST 1 9 5 6	JULY 1 9 5 6	AUGUST 1 9 5 5	YEAR TO DATE 1 9 5 6
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	12,590,706	11,107,536	9,424,313	86,114,323
"	- Trunk	547,833	556,238	557,411	4,376,066
Saskatchewan	- Gathering	1,233,061	862,609	623,497	6,406,664
"	- Trunk	38,841	35,899	624	107,021
Manitoba	- Gathering	507,735	514,152	407,111	3,704,242
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,354,594	1,780,079	1,813,687	16,732,980
Quebec (3)	- Trunk	8,042,874	7,983,488	7,126,614	62,474,372
Net Received	- Gathering	14,331,502	12,484,297	10,454,921	96,225,229
"	- Trunk	10,984,142	10,355,704	9,498,336	83,690,439
"	- Total	25,315,644	22,840,001	19,953,257	179,915,668

TABLE 4

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

Province		AUGUST 1 9 5 6	JULY 1 9 5 6	AUGUST 1 9 5 5	YEAR TO DATE 1 9 5 6
		Barrels	Barrels	Barrels	Barrels
British Columbia	/ Trunk	4,756,889	3,646,958	2,836,918	28,305,809
Alberta (1)	- Gathering	207,455	174,200	1,183,367	4,549,560
"	- Trunk	1,644,056	x 1,691,319	628,345	8,527,980
Saskatchewan	- Gathering	148,568	115,264	55,405	949,157
"	- Trunk	1,294,906	1,063,845	1,443,679	10,025,408
Manitoba	/ Trunk	6,299,523	6,073,803	4,988,643	46,376,095
Ontario (2)	- Trunk	3,728,582	3,302,868	3,061,459	28,448,376
Quebec	- Trunk	6,689,696	6,416,265	3,856,429	50,739,886
Net Delivered	- Gathering	356,023	289,464	1,238,772	5,498,717
"	- Trunk	24,413,652	x 22,195,058	18,815,473	172,423,554
"	- Total	24,769,675	x 22,484,522	20,054,245	177,922,271
/ Including exports to U.S.A.		2,758,234	1,591,627	1,132,404	13,532,414
/ Including deliveries to U.S. pipe lines, Gretna, Man.		5,394,496	5,259,894	4,448,238	39,872,391

TABLE 5

OPERATING STATISTICS

		AUGUST 1 9 5 6	JULY 1 9 5 6	AUGUST 1 9 5 5	YEAR TO DATE 1 9 5 6
		Barrels	Barrels	Barrels	Barrels
Barrels Handled - Daily Average					
Gathering Systems	Barrels	460,743	402,402	338,480	394,338
Trunk Lines	"	1,073,805	951,912	825,255	964,719
Total Barrel Miles (Trunk Lines)	Millions	10,100	8,946	7,605	70,503
Average Miles Per Barrel (Trunk Lines)	Miles	303.4	301.3	297.3	299.5
Employees and Earnings (6)					
Average Number (4)	No.	1,607	1,564	1,336	1,448
Total Salaries and Wages	\$	692,385	670,493	534,746	4,984,936
Man-Hours Worked by Wage Earners (5) (6)	Hours	74,307	74,120	60,751	522,926

- (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 and Nisku Products Pipe Line Company, Limited.

x Revised.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

AUGUST, 1956

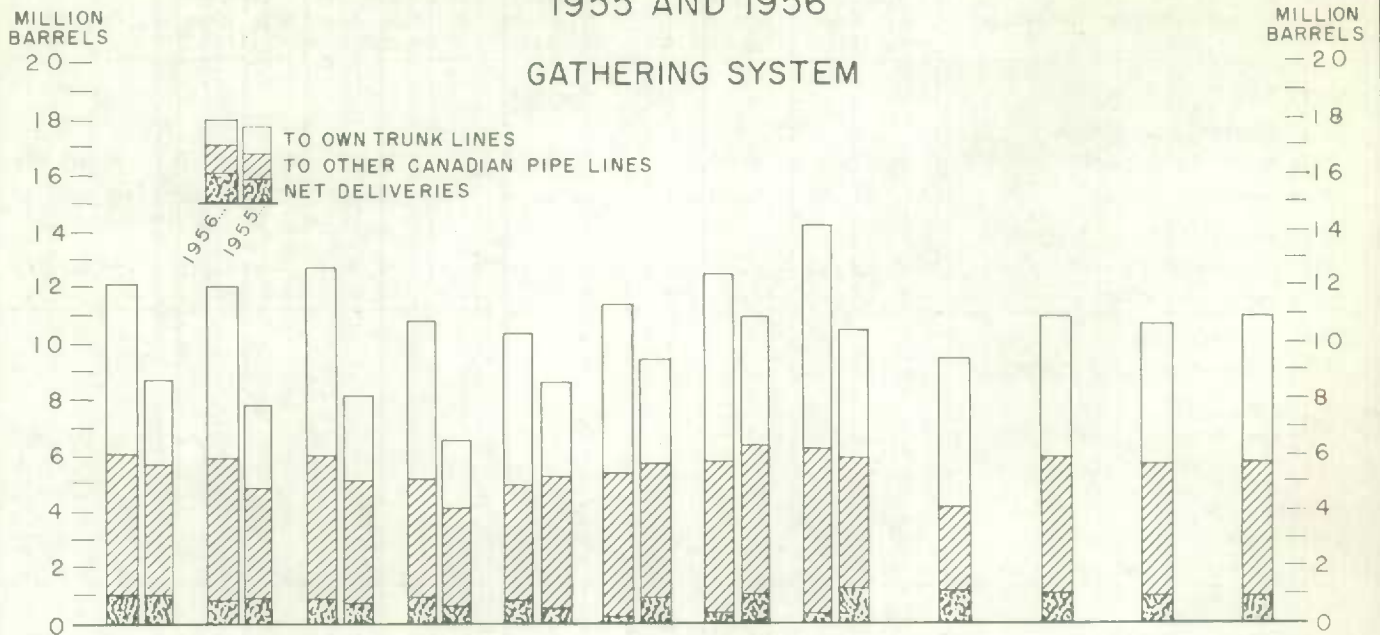
Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Other Pipe lines (1)	Total
TRAFFIC*			<u>Barrels</u>			
<u>Total Received into System</u>						
This month (August 1956)	4,969,763	8,749,267	6,649,589	4,725,011	(2) 14,982,879	40,076,509
This year (8 months)	36,291,768	63,934,642	50,766,385	28,841,089	(3) 102,963,447	282,797,331
<u>Total Delivered out of System</u>						
This month (August, 1956)	4,939,150	8,256,646	6,689,696	4,756,889	(4) 14,906,237	39,548,618
This year (8 months)	36,291,979	63,034,854	50,739,886	28,305,809	(5) 102,542,814	280,915,342
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (August, 1956)	159,327	-	-	-	301,407	460,743
This year (8 months)	148,737	-	-	-	245,601	394,338
<u>Trunk Lines</u>						
This month (August, 1956)	-	266,343	215,796	153,448	438,218	1,073,805
This year (8 months)	-	258,340	207,950	116,007	382,422	964,719
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month (August, 1956)	-	4,801	493	3,318	1,488	10,100
This year (8 months)	-	36,240	3,738	19,721	10,804	70,503
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (August, 1956)	-	581.0	73.7	6598.0	109.5	303.4
This year (8 months)	-	575.0	73.7	697.0	115.8	299.5
OPERATING REVENUES			<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						
Twelve Months ending Dec. 31, 1956						
EMPLOYEES AND EARNINGS			<u>Number</u>			
Number of Employees	171	429	57	226	(6) 724	1,607
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (August, 1956)	68,759	190,455	24,273	110,427	(6) 298,471	692,385
This year (8 months)	632,987	1,445,964	177,397	752,733	(6) 1,975,855	4,984,936
<u>Man-Hours Worked by Wage Earners*</u>			<u>Hours</u>			
This month (August, 1956)	20,677	959	2,079	3,490	(6) 47,102	74,307
This year (8 months)	176,661	4,745	8,605	14,195	(6) 318,720	522,926

* Totals include duplication between companies.

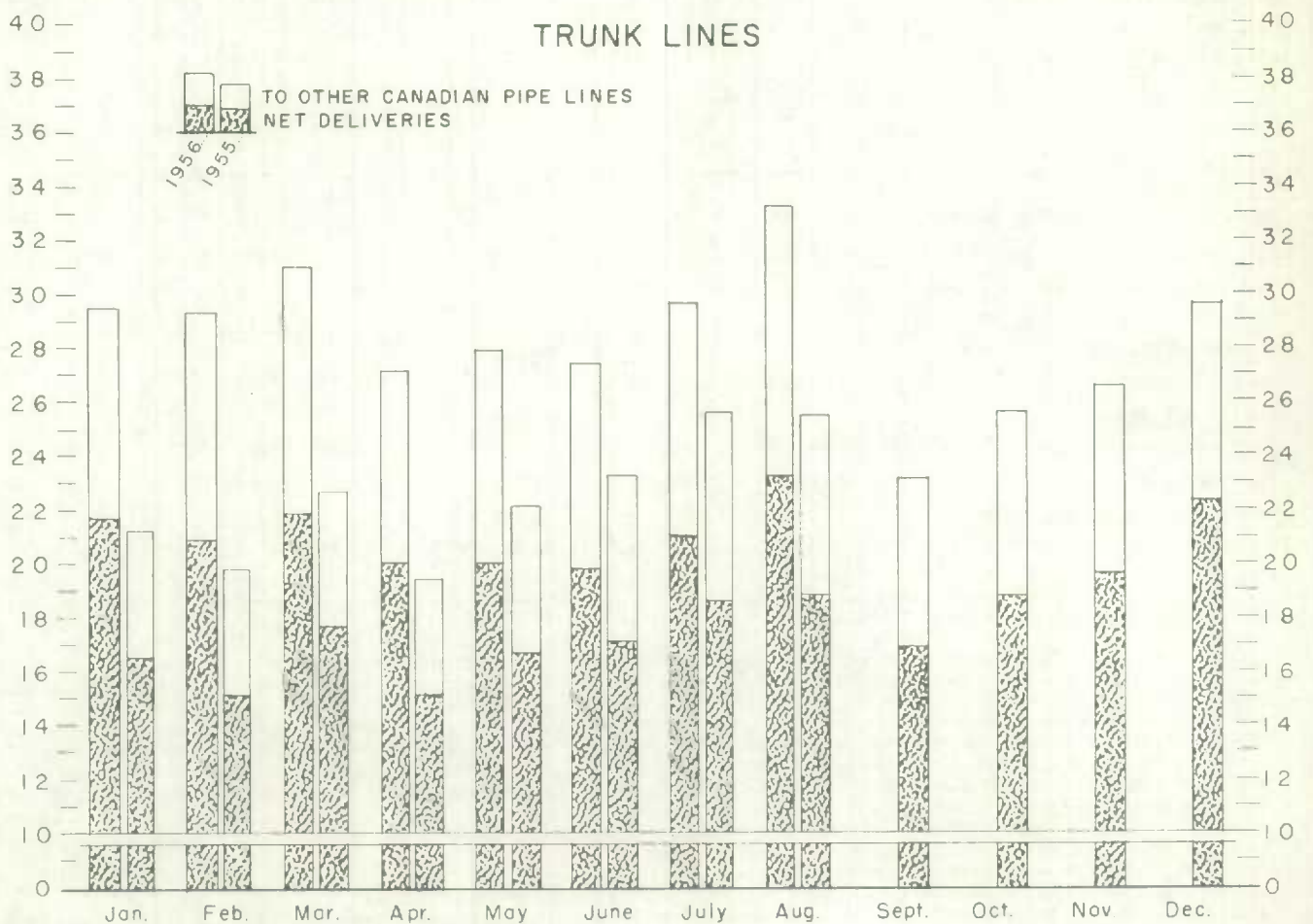
- (1) Includes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; B.A. Alberta Pipe Line, Limited; B.A. Saskatchewan Pipe Line, Limited; Canadian Gulf Pipe Line Company; Edmonton Pipe Line Co. Limited; Gibson Crude Oil Purchasing Co. Limited; Green River Exploration Co. Limited; Imperial Oil - Sarnia Products Pipe Line Division; Key Pipe Line Co. Ltd.; Mid Saskatchewan Pipe Lines Ltd.; Mobil Oil of Canada, Ltd; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Company, Ltd; Pembina Pipe Line, Ltd.; 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 3,825,927 bbls. products and 50,008 bbls. natural gasoline.
- (3) Includes 29,031,699 bbls. products and 410,943 bbls. natural gasoline.
- (4) Includes 3,805,819 bbls. products and 48,379 bbls. natural gasoline.
- (5) Includes 29,038,806 bbls. products and 410,081 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. Ltd.; Mid-Saskatchewan Pipe Lines Ltd; Mobil Oil of Canada Ltd; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Company; and Valley Pipe Line Company, Ltd.
- (7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Green River Exploration Company; Mobil Oil of Canada Ltd. and Sarnia Products Line.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1955 AND 1956

GATHERING SYSTEM



TRUNK LINES



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