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PIPE LINES (OIL) STATISTICS

Price: \$1.00 per year

OCTOBER, 1956

Canadian pipe lines recorded a total net delivery of 23,819,540 barrels of oil in October, or an average of 768,372 barrels per day, an increase of 11,017 barrels above the September average of 757,355 barrels per day.

For the ten months ended October 31, net deliveries amounted to 224,462,470 barrels compared with 181,440,143 for the same period of 1955, an increase of 23.7 p.c. Deliveries by provinces to the end of October were as follows, with corresponding data for 1955 in brackets: British Columbia, 37,927,740 barrels (24,227,134); Alberta 15,597,436 barrels (15,142,919); Saskatchewan, 13,824,038 barrels (12,989,591); Manitoba, 58,999,057 barrels (42,809,779); Ontario 35,206,125 barrels (30,646,070); and Quebec, 62,908,074 barrels (55,624,650). Included in Manitoba deliveries were 50,859,863 barrels (36,731,430) transferred to the Lakehead Pipe Line Company at Gretna. Of this amount 13,227,237 barrels (3,212,646) were for export while the remainder was transported through the United States, 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.

Net receipts for the month of October amounted to 25,055,897 barrels compared with 20,512,249 in the same month last year, an increase of 22.2 p.c. October receipts included 12,434,109 barrels of Alberta crude, and 60,863 of Alberta natural gasoline, 1,858,632 barrels of Saskatchewan crude, 527,609 of Manitoba crude, 6,519,479 of imported crude and 3,655,205 barrels of refinery products.

Gathering systems handled an average of 459,369 barrels per day, compared with 456,589 in September and 354,438 in October 1955. Trunk line deliveries rose to a new high of 1,094,474 barrels daily from 1,041,644 last month and 828,647 one year earlier.

Barrel miles at 10,048 million were up from 9,693 in September, but the average length of haul fell to 296.1 from 310.2 in the previous month.

The number of employees showed little change but salaries again reached a new high of \$747,474, up from \$711,756 in September, an increase of \$35,718 or 5 p.c.

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.

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

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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.

	<u>Barrels</u>
Total Received into Systems - all companies - during first ten months of 1956, per table 6	359,725,950
Received into Trunk Lines from other Canadian Pipe Lines	131,604,594
"Net Received" into Canadian Pipe Line Systems	228,121,356
"Net Received" into Trunk Systems per table 1	103,923,577
"Net Received" into Gathering Systems per table 2	124,197,779
Total Delivered out of Systems - all companies - during first ten months of 1956, per table 6	357,413,177
Delivered to other Canadian Pipe Lines	132,950,707
"Net Delivered" from Canadian Pipe Line Systems	224,462,470
"Net Delivered" from Trunk Systems per table 1	218,341,297
"Net Delivered" from Gathering Systems per table 2	6,121,173

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 October and are given herewith:

OIL BALANCE - ALL COMPANIES - OCTOBER, 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 October 31, 1956	124,197,779	
Received into Trunk Systems January 1 to October 31, 1956	302,842,939	427,040,718
Total oil accountable for period		436,353,339
Delivered from Gathering Systems January 1 to October 31, 1956 ...	124,156,658	
Delivered from Trunk Systems during January 1 to October 31, 1956.	300,569,568	424,726,226
Balance to be accounted for at October 31, 1956		11,627,113
Oil consumed as fuel and losses January 1 to October 31, 1956		463,652
Balance on hand - October 31, 1956		11,163,461
Total Shippers Balances - October 31, 1956	10,503,831	
Total Carriers Balances - October 31, 1956	659,630	

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
October, 1955	2,279,303	480,340
September, 1956	3,424,153	641,966
October, 1956	3,200,226	533,574

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	OCTOBER 1 9 5 6	SEPTEMBER 1 9 5 6	OCTOBER 1 9 5 5	YEAR TO DATE 1 9 5 6
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	34,236,094	31,338,321	26,311,012	302,842,939
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	8,694,665	7,923,681	5,071,705	67,314,768
3. Other pipe lines - Gathering	3,916,684	3,610,252	3,211,975	31,829,043
4. Trunk	10,872,063	10,323,932	8,484,341	99,775,551
5. <u>Net Received (6+7+8)</u>	10,752,682	9,480,456	9,542,991	103,923,577
6. Originating on own trunk lines	4,058,913	3,682,241	3,756,587	39,883,755
7. Received from foreign pipe line connections	6,519,479	5,689,156	5,670,536	62,975,020
8. Received from other carriers (rail & truck)	174,290	109,059	115,868	1,064,802
9. <u>Total Delivered * (10+11)</u>	33,928,708	31,249,328	25,688,047	300,569,568
10. Less: Delivered to other Canadian trunk lines	10,347,091	8,913,202	6,789,301	82,228,271
11. <u>Net Delivered (12+13+14)</u>	23,581,617	22,336,126	18,898,746	218,341,297
12. Terminated on own trunk lines	15,175,151	14,038,069	12,595,670	148,058,535
13. Delivered to foreign pipe line connections	7,832,108	7,290,901	6,280,844	65,662,930
14. Delivered to other carriers (truck, rail and water)	574,358	1,007,156	22,232	4,619,832

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	OCTOBER 1 9 5 6	SEPTEMBER 1 9 5 6	OCTOBER 1 9 5 5	YEAR TO DATE 1 9 5 6
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	14,303,215	13,669,335	10,969,258	124,197,779
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	14,303,215	13,669,335	10,969,258	124,197,779
18. Originating on own gathering system	13,549,092	12,951,143	10,577,168	120,157,955
19. Received from other carriers (rail & truck)	754,123	718,192	392,090	4,039,824
20. <u>Total Delivered * (21+22+23)</u>	14,240,450	13,697,695	10,987,578	124,156,658
Less: Delivered to other pipe lines -				
21. Own Trunk system	8,694,665	7,923,681	5,071,705	67,313,049
22. Other pipe lines	5,307,862	5,389,481	4,888,165	50,722,436
23. <u>Net Delivered (24+25)</u>	237,923	384,533	1,027,708	6,121,173
24. Terminated on gathering systems	112,849	93,149	838,270	3,937,571
25. Delivered to other carriers (rail & truck)	125,074	291,384	189,438	2,183,602

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

TABLE 3

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

Province	OCTOBER		SEPTEMBER	OCTOBER	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	11,940,278		11,796,503	9,948,109	109,851,104
" - Trunk	634,353		535,214	601,464	5,545,633
Saskatchewan - Gathering	1,835,328		1,366,104	592,287	9,608,096
" - Trunk	23,304		37,543	1,484	167,868
Manitoba - Gathering	527,609		506,728	428,862	4,738,579
" - Trunk	-		-	-	-
Ontario (2) - Trunk	2,040,251		1,720,171	2,019,931	20,493,402
Quebec (3) - Trunk	8,054,774		7,187,528	6,920,112	77,716,674
Net Received - Gathering	14,303,215		13,669,335	10,969,258	124,197,779
" " - Trunk	10,752,682		9,480,456	9,542,991	103,923,577
" " - Total	25,055,897		23,149,791	20,512,249	228,121,356

TABLE 4

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

Province	OCTOBER		SEPTEMBER	OCTOBER	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	4,919,331		4,702,600	2,567,861	37,927,740
Alberta (1) - Gathering	209,998		260,919	990,846	5,020,477
" - Trunk	899,614		1,149,365	670,676	10,576,959
Saskatchewan - Gathering	27,925		123,614	36,862	1,100,696
" - Trunk	1,248,904		1,449,030	1,182,023	12,723,342
Manitoba - Trunk	6,409,303		6,213,659	5,482,495	58,999,057
Ontario (2) - Trunk	3,585,501		3,172,248	3,258,852	35,206,125
Quebec - Trunk	6,518,964		5,649,224	5,736,839	62,908,074
Net Delivered - Gathering	237,923		384,533	1,027,708	6,121,173
" " - Trunk	23,581,617		22,336,126	18,898,746	218,341,297
" " - Total	23,819,540		22,720,659	19,926,454	224,462,470
∧ Including exports	2,826,278		2,843,522	1,423,611	19,202,214
∩ Including deliveries to U.S. pipe lines, Gretna, Man.	5,555,524		5,431,948	4,857,233	50,859,863

TABLE 5

OPERATING STATISTICS

	OCTOBER		SEPTEMBER	OCTOBER	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	459,369	456,589	354,438	407,071
Trunk Lines	"	1,094,474	1,041,644	828,647	1,018,260
Total Barrel Miles (Trunk Lines)	Millions	10,048	x 9,693	7,675	90,245
Average Miles Per Barrel (Trunk Lines)	Miles	296.1	x 310.2	298.8	290.5
Employees and Earnings (6)					
Average Number (4)	No.	1,575	1,604	1,301	1,477
Total Salaries and Wages	\$	747,474	711,756	540,097	6,444,166
Man-Hours Worked by Wage Earners (5) (6)	Hours	79,167	74,992	59,005	677,084

(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.

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TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

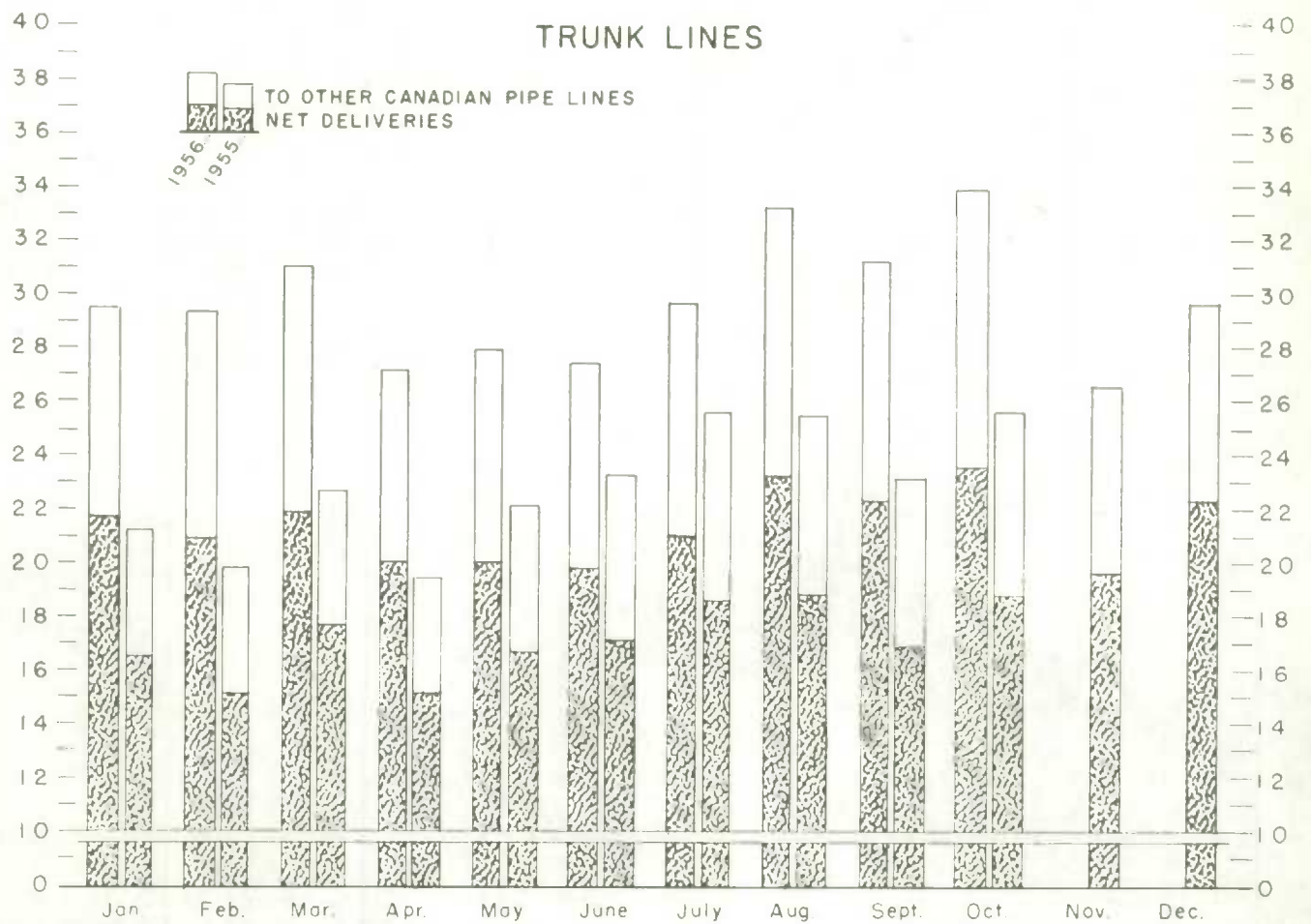
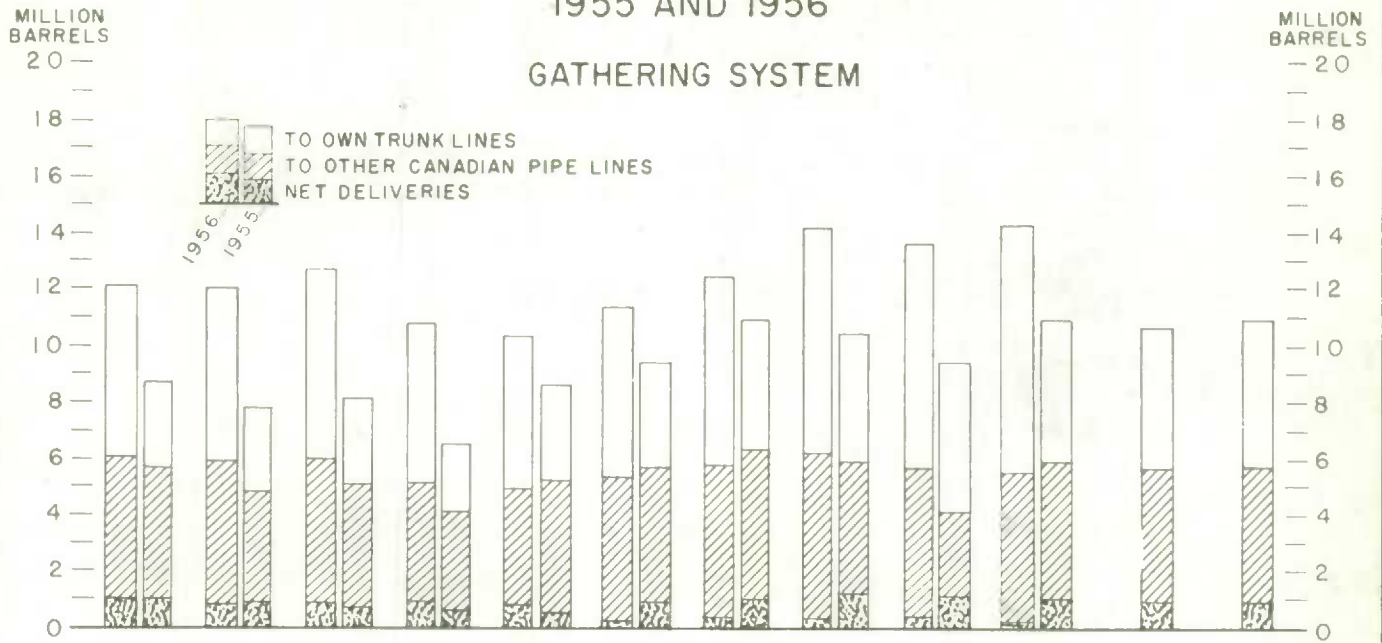
OCTOBER, 1956

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>Total Received into System</u>						
This month (October, 1956)	4,378,850	8,313,526	6,519,479	5,202,202	(2) 15,430,587	39,844,644
This year (10 months)	45,143,227	80,394,889	62,975,020	38,599,575	(3) 132,613,239	359,725,950
<u>Total Delivered out of System</u>						
This month (October, 1956)	4,379,002	8,229,256	6,518,964	4,919,331	(4) 15,427,940	39,474,493
This year (10 months)	45,151,939	79,424,754	62,908,074	37,927,740	(5) 132,000,670	357,413,177
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (October, 1956)	141,258	-	-	-	318,111	459,369
This year (10 months)	148,039	-	-	-	259,032	407,071
<u>Trunk Lines</u>						
This month (October, 1956)	-	265,460	210,908	158,688	459,418	1,094,474
This year (10 months)	-	261,266	210,289	124,353	422,352	1,018,260
<u>Total Barrel Miles</u>						
<u>(Trunk Lines - in millions)</u>						
This month (October, 1956)	-	4,569	480	3,390	1,609	10,048
This year (10 months)	-	45,396	4,634	26,402	13,813	90,245
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (October, 1956)	-	555.0	73.7	689.0	112.8	296.1
This year (10 months)	-	572.0	73.7	696.0	114.8	290.5
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	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						
EMPLOYEES AND EARNINGS						
<u>Number</u>						
Number of Employees	162	401	54	221	(6) 737	1,575
<u>Dollars</u>						
<u>Salaries and Wages</u>						
This month (October, 1956)	66,367	190,668	24,790	107,327	(6) 358,322	747,474
This year (10 months)	766,667	1,829,452	227,012	970,957	(6) 2,650,078	6,444,166
<u>Hours</u>						
<u>Man-Hours Worked by Wage Earners</u>						
This month (October, 1956)	21,068	409	1,795	1,837	(6) 54,058	79,167
This year (10 months)	218,200	7,102	12,342	17,695	(6) 421,745	677,084

* 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 3,655,205 bbls. products and 60,863 bbls. natural gasoline.
- (3) Includes 35,980,206 bbls. products and 520,729 bbls. natural gasoline.
- (4) Includes 3,666,711 bbls. products and 59,044 bbls. natural gasoline.
- (5) Includes 35,957,408 bbls. products and 518,268 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



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