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Memorandum

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PIPE LINES (OIL) STATISTICS

Oil carried by Canadian pipe lines increased during May with net deliveries amounting to 476,595 barrels per day. This was an increase of 17 p.c. over April deliveries of 406,618 barrels per day and 20 p.c. above the daily average of 398,679 barrels recorded in May last year.

Total net deliveries for the month amounted to 14,774,459 barrels, compared with 12,198,541 in April and 12,559,034 in the corresponding month last year. For the five months ended May 31st net deliveries rose to a total of 68,917,985 barrels as against 55,491,091 barrels during the same period of 1953, an increase of 24 p.c. Deliveries by provinces to the end of May were as follows (1953 data in brackets): British Columbia 4,998,717 barrels (nil*); Alberta 6,520,626 (6,325,534); Saskatchewan 5,223,219 (5,602,506); Manitoba 15,209,600 (12,001,556); Ontario 13,234,689 (9,953,693) and Quebec 23,731,134 (21,607,802). Included in the Manitoba figure was 12,687,721 barrels (9,778,953) transferred from the Interprovincial system in Manitoba to the Lakehead Pipe Line Company for shipment through the United States to Sarnia.

Net receipts for the month of May included 6,389,122 barrels of Alberta crude, 32,752 barrels of Alberta natural gasoline, 122,311 of Manitoba crude, 4,752,688 of imported crude and 2,693,764 barrels of refined products. Total net receipts of 13,990,637 barrels were 17 p.c. above the April figure of 11,912,967 barrels.

Both gathering systems and trunk lines reported increased deliveries during the month under review. Gathering systems handled an average of 167,713 barrels per day, 12 p.c. above the previous year, while trunk lines averaged 536,078 barrels per day against 433,176 in 1953, an increase of 24 p.c. Barrel miles rose from 3,701 million in April to 5,143 million, up 39 p.c. The average haul at 309.4 miles was also well above April's figure of 260.6 but below last year's 312.6.

Employees during May numbered 1,199, little changed from the preceding month, but 30 p.c. above the 920 recorded in May last year. Wages dropped slightly from \$455,512 in April to \$453,999 in May but were well above the 1953 wage figure of \$319,795.

Included in this report are two additional gathering systems, the Anglo American Exploration Company, operating in the Turner Valley area, and the Northern Development Company carrying oil from the Daly field in Manitoba to the Interprovincial Pipe Line at Cromer. 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 Co. in Alberta, Anglo Canadian Oils, Ltd. in Manitoba and employee data of the Amurex Oil Development Company in Alberta have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

* The Trans Mountain Oil Pipe Line Company made its first deliveries to British Columbia terminals in October, 1953.

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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 five months of 1954, per table 6	102,024,328
Received into Trunk Lines from Other Canadian Pipe Lines	33,247,961
"Net Received" into Canadian Pipe Line Systems	68,776,367
"Net Received" into Trunk Systems per table 1	43,464,909
"Net Received" into Gathering Systems per table 2	25,311,458
 Total Delivered out of Systems - all companies -	
during first five months of 1954, per table 6	102,396,534
Delivered to other Canadian Pipe Lines	33,478,549
"Net Delivered" from Canadian Pipe Line Systems	68,917,985
"Net Delivered" from Trunk Systems per table 1	65,324,815
"Net Delivered" from Gathering Systems per table 2	3,593,170

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 May and are given herewith:

OIL BALANCE - ALL COMPANIES - MAY, 1954

	<u>Barrels</u>
Total Shippers Balances - January 1, 1954	6,141,288
Total Carriers Balances - January 1, 1954	787,070 6,928,358
Received into Gathering Systems January 1 to May 31, 1954	25,311,458
Received into Trunk Systems January 1 to May 31, 1954	81,533,160 106,844,618
Total oil accountable for Period	113,772,976
Delivered from Gathering Systems January 1 to May 31, 1954	25,333,367
Delivered from Trunk Systems January 1 to May 31, 1954	81,883,457 107,216,824
Balance to be accounted for at May 31, 1954	6,556,152
Oil consumed as fuel and losses	115,497
Balance on hand - May 31, 1954	6,440,656
Total Shippers Balances - May 31, 1954	(1) 5,861,035
Total Carriers Balances - May 31, 1954	579,620

With the completion in December of Interprovincial's extension to Sarnia, there are now three oil pipe lines crossing the St. Clair River from the United States at Sarnia. The limited nature of their domestic operations and shortness of the lines are such that they have been considered for purposes of this report merely as connections to refinery facilities in Canada and are not included in Canadian oil pipe line statistics. A summary of oil delivered by the three pipe lines follows:

Month	Interprovincial Pipe Line Company Crude Oil	The Buckeye Pipe Line Company Crude Oil	Sun Pipe Line Company Crude and Refined Oil
	Barrels	Barrels	Barrels
May, 1953	-	(2) 146,321	54,565
April, 1954	2,081,025	-	197,695
May, 1954	2,659,365	-	460,593

- (1) Includes 682,758 barrels loaned to Trans Mountain Oil Pipe Line Company for pipe line fill.
(2) Deliveries of Transit and Storage Company, whose pipe line properties have been sold to the Buckeye Pipe Line Company.

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	MAY 1954	x APRIL 1954	MAY 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received</u> * (2+3+4+5)	16,813,984	14,018,031	13,315,717	81,633,160
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	954,731	958,208	523,168	4,820,290
3. Other pipe lines - Gathering	2,069,030	1,402,494	1,942,900	9,380,953
4. Trunk	4,009,335	3,768,651	3,238,666	23,867,008
5. <u>Net Received</u> (6+7+8)	8,780,888	7,888,678	7,610,983	43,464,909
6. Originating on own trunk lines	4,028,200	3,352,615	3,370,910	19,435,511
7. Received from foreign pipe line connections	4,762,688	4,516,460	4,210,833	23,862,959
8. Received from other carriers (rail & truck)	-	19,603	29,240	368,439
9. <u>Total Delivered</u> * (10+11)	16,618,429	14,199,363	13,428,444	81,885,457
10. Less: Delivered to other Canadian trunk lines	2,631,102	2,787,167	1,791,447	16,668,642
11. <u>Net Delivered</u> (12+13+14)	13,987,327	11,412,196	11,636,997	65,324,815
12. Terminated on own trunk lines	10,664,402	9,630,912	8,460,066	52,831,428
13. Delivered to foreign pipe line connections	3,317,259	1,781,284	3,176,931	12,687,721
14. Delivered to other carriers (rail & truck)	5,666	-	-	5,866

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	MAY 1954	x APRIL 1954	MAY 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received</u> (16+17)	5,209,749	4,024,289	4,598,179	25,311,458
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received</u> (18+19)	5,209,749	4,024,289	4,598,179	25,311,458
18. Originating on own gathering system	5,056,033	3,780,074	4,492,885	24,261,359
19. Received from other carriers (rail & truck)	153,716	244,215	105,314	1,050,119
20. <u>Total Delivered</u> * (21+22+23)	5,199,118	4,111,642	4,627,331	25,333,367
Less: Delivered to other pipe lines -				
21. Own Trunk system	954,731	958,208	523,168	4,820,290
22. Other pipe lines	3,467,255	2,367,089	3,382,126	16,919,907
23. <u>Net Delivered</u> (24+25)	787,132	786,345	722,037	3,693,170
24. Terminated on gathering systems	736,796	762,033	682,030	3,384,350
25. Delivered to other carriers (rail & truck)	50,336	24,312	60,007	208,820

✓ 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	MAY		x APRIL		YEAR TO DATE	
	1954	1954	1954	1954	1953	1954
	Barrels		Barrels		Barrels	
Alberta (1) - Gathering	5,087,438	3,892,085	4,598,179	24,777,865		
" - Trunk	1,340,102	807,673	998,026	6,225,404		
Saskatchewan - Trunk	-	-	-	1,947		
Manitoba - Trunk	-	-	29,240	344,869		
" - Gathering	122,311	132,204	-	533,593		
Ontario (2) - Trunk	1,657,416	1,513,776	1,196,349	7,701,817		
Quebec (3) - Trunk	5,783,370	5,567,229	5,387,368	29,190,852		
Net Received - Gathering	5,209,749	4,024,289	4,598,179	25,311,458		
" - Trunk	8,780,888	7,868,678	7,610,983	43,464,909		
" - Total	13,990,637	11,912,967	12,209,162	68,776,367		

TABLE 4 OIL DELIVERED BY PIPE LINES, BY PROVINCES IN WHICH SHIPMENTS TERMINATED OR WERE TRANSFERRED TO OTHER CARRIERS

Province	MAY		x APRIL		YEAR TO DATE	
	1954	1954	1954	1954	1953	1954
	Barrels		Barrels		Barrels	
British Columbia - Trunk	944,930	822,951	-	4,998,717		
Alberta (1) - Gathering	787,132	786,345	722,037	3,593,170		
" - Trunk	594,588	417,650	412,463	2,927,456		
Saskatchewan - Trunk	1,189,320	790,791	1,235,124	5,223,219		
Manitoba - Trunk	3,648,355	2,324,491	3,446,968	15,209,600		
Ontario (2) - Trunk	2,731,206	2,565,832	2,372,966	13,234,689		
Quebec - Trunk	4,878,918	4,490,471	4,169,476	23,731,134		
Net Delivered - Trunk	13,987,327	11,412,196	11,636,997	65,324,815		
" - Total	14,774,459	12,198,541	12,359,034	68,917,985		
Including deliveries to U.S. pipe lines at Grtna, Man.	3,317,259	1,781,284	3,176,931	12,687,721		

TABLE 5 OPERATING STATISTICS

		MAY		x APRIL		YEAR TO DATE	
		1954	1954	1954	1954	1953	1954
Barrels Handled - Daily Average							
Gathering Systems	Barrels	167,713	137,054	149,269	167,771		
Trunk Lines	"	536,078	473,312	433,176	542,275		
Total Barrel Miles (Trunk Lines)	Millions	5,143	3,701	4,198	23,160		
Average Miles Per Barrel (Trunk Lines)	Miles	309.4	260.6	312.6	282.8		
Employees and Earnings (6)							
Average Number (4)	No.	1,199	1,192	920	1,169		
Total Salaries and Wages	\$	453,999	455,512	319,795	2,224,943		
Man Hours Worked by Wage Earners (5) (6)	Hours	53,023	51,730	47,865	253,461		

(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., and Sarnia Products Line.

x Revised.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

MAY, 1954

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 (May, 1954)	3,746,709	4,910,959	4,752,688	441,616	(2) 6,216,630	20,069,002
This year (5 months)	18,144,130	24,142,006	23,662,959	4,788,774	(3) 31,286,459	102,024,328
<u>Total Delivered out of System</u>						
This month (May, 1954)	3,743,178	5,075,976	4,878,918	944,930	(4) 6,219,814	20,862,816
This year (5 months)	18,156,934	24,275,183	23,731,134	4,998,820	(5) 31,234,463	102,396,534
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (May, 1954)	120,748	-	-	-	46,966	167,713
This year (5 months)	120,245	-	-	-	47,526	167,771
<u>Trunk Lines</u>						
This month (May, 1954)	-	163,741	157,384	30,482	184,471	536,078
This year (5 months)	-	160,763	157,160	33,105	191,247	542,276
<u>Total Barrel Miles</u>						
<u>(Trunk Lines - in millions)</u>				<u>Miles</u>		
This month (May, 1954)	-	3,306	359	651	827	5,143
This year (5 months)	-	13,772	1,746	3,528	4,114	23,160
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (May, 1954)	-	651.0	73.6	689.0	144.6	309.4
This year (5 months)	-	567.0	73.6	706.0	142.4	282.8
OPERATING REVENUES						
Three months ending March 31, 1954	930,894	4,200,082	474,043	1,563,475	2,551,046	9,719,540
EMPLOYEES AND EARNINGS						
				<u>Number</u>		
Number of employees (May, 1954)	219	438	51	170	(6) 321	1,199
				<u>Dollars</u>		
<u>Salaries and Wages</u>						
This month (May, 1954)	75,270	185,684	17,884	78,178	(6) 117,183	453,999
This year (5 months)	371,910	795,284	81,202	409,908	(6) 566,639	2,224,943
				<u>Hours</u>		
<u>Man Hours Worked by Wage Earners</u>						
This month (May, 1954)	26,478	1,905	1,491	1,367	(6) 21,782	53,023
This year (5 months)	126,850	8,347	3,172	12,801	(6) 102,291	253,461

* 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; Imperial Oil - Sarnia Products Pipe Line Division; Northern Development Company, Ltd.; Saskatoon Pipe Line Company; Sun Canadian Pipe Line Co. Limited; Texaco Exploration Company; Trans-Northern Pipe Line Company; Valley Pipe Line Company, Limited, and Winnipeg Pipe Line Company, Limited.

(2) Includes 2,693,764 bbls. products and 32,752 bbls. natural gasoline.

(3) Includes 13,235,376 bbls. products and 214,320 bbls. natural gasoline.

(4) Includes 2,736,872 bbls. products and 36,801 bbls. natural gasoline.

(5) Includes 13,240,355 bbls. products and 213,435 bbls. natural gasoline.

(6) Excludes Amurex Oil Development Company, Anglo American Exploration Company, Anglo-Canadian Oils, Limited, and Imperial Oil - Sarnia Products Pipe Line Division.

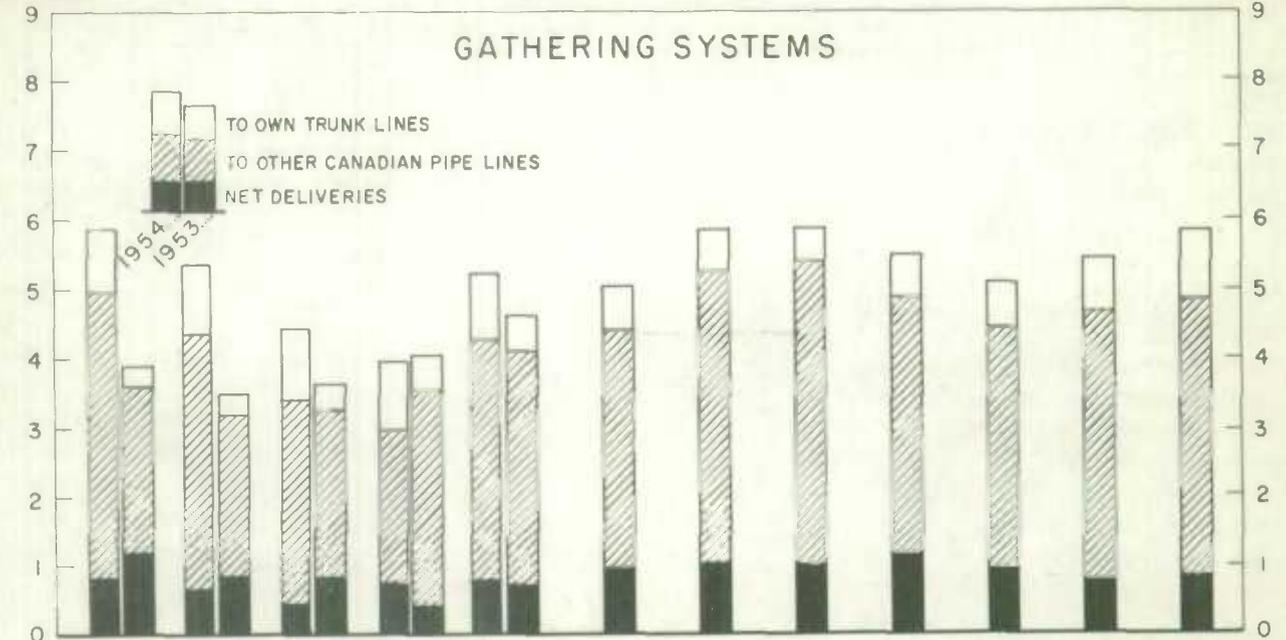


MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1953 AND 1954

MILLION
BARRELS

MILLION
BARRELS

GATHERING SYSTEMS



TRUNK LINES

