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No. 6

PIPE LINES (OIL) STATISTICSDECEMBER, 1951

During the last month of the year the oil movement through Canadian pipe lines reflected the normal seasonal reduction in demand for oil products, as well as the closing of navigation on the Great Lakes. The net of 7,322,458 barrels received was 506,066 barrels or 6.5 p.c. under November receipts. A decline of 860,539 barrels or some 11 p.c. was experienced in net deliveries which amounted to 7,187,693 barrels during December as compared with 8,048,232 barrels in the preceding month. By provinces, oil deliveries were as follows during the month under review: Alberta 949,633 barrels, Saskatchewan 820,714, Manitoba 585,377 barrels for provincial consumption and 867,413 routed in transit to Superior. Quebec province reported 3,964,556 barrels.

Gathering systems handled a daily average of 100,894 barrels while 286,264 barrels per day were moved through trunk lines during the month of December. Averages for the year were: gathering systems 112,781 and trunk lines 272,445 barrels per diem. Trunk line carriers performed a total movement of 1,894 million barrel miles to bring the grand total for 1951 to 23,615 million barrel miles. The average distance that oil moved through trunk lines was 212.2 miles per barrel in December and 237.4 miles per barrel over the 12 month period. December employment figures showed 591 employees earning \$200,936 while an average of 536 persons employed throughout the year earned a total \$2,063,332 in straight time and overtime salaries and wages. Total hours worked by wage-earning employees in 1951 amounted to 399,226.

Preliminary totals show net receipts of 88,641,693 barrels into Canadian pipe lines for the year 1951. Net deliveries during the year amounted to 88,378,224 barrels, 85,622,382 from trunk lines and 2,755,842 barrels from gathering systems.

Two new pipe lines came into operation during the month under review. Texaco Exploration Company, with a 41 mile trunk line, turned on their valves December 4th and oil commenced to flow through the Edmonton Pipe Line Company's 20 mile trunk line on December 16th. The December operations of these two Alberta firms have been included in the tables of the current report except where otherwise indicated.

During December, the Montreal pipe line delivered an average of 127,889 barrels per day to give a total for the month of 3,964,556. For the whole year the company delivered 45,645,037 barrels or 125,055 a day. Imperial pipe line delivered 2,776,038 barrels out of the entire company system with a daily average of 84,742 barrels from the gathering system. Interprovincial pipe line performed 1,527 million barrel miles of oil transportation in December and the total of 19,591 million barrel miles for 1951 operations represented almost 83 p.c. of that for all companies. Oil passing through the Interprovincial company line in December travelled an average 601 miles bringing the average for the whole year to 650 miles per barrel transported by Interprovincial.

Table 6 totals are greater than those in tables 1 and 2 by the amount of duplication resulting from inter-company transactions. Reconciliation of differences is given on the following page.

	<u>Barrels</u>
<u>Total Received into Systems - all companies -</u>	
during year 1951 per table 6	126,135,987
Received into Trunk Lines from Other	
Canadian Pipe Lines	<u>37,494,294</u>
"Net Received" into Canadian Pipe Line Systems	<u>88,641,693</u>
"Net Received" into Trunk Systems per table 1	47,490,694
"Net Received" into Gathering Systems per table 2	41,150,999
<u>Total Delivered out of Systems - all companies -</u>	
during year 1951 per table 6	125,672,102
Delivered to Other Canadian Pipe Lines	<u>37,293,878</u>
"Net Delivered" from Canadian Pipe Line Systems	<u>88,378,224</u>
"Net Delivered" from Trunk Systems per table 1	<u>85,622,382</u>
"Net Delivered" from Gathering Systems per table 2	2,755,842

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 the twelve-month period covered by this report and are given herewith:

Oil Balance - All Companies - Year 1951

	<u>Barrels</u>	<u>Barrels</u>
Total Shippers Balances - January 1, 1951	1,896,922	
Total Carriers Balances - January 1, 1951	209,935	<u>2,106,857</u>
Received into Gathering Systems, January 1 to December 31, 1951 ..	41,150,999	
Received into Trunk Systems, January 1 to December 31, 1951	100,034,609	<u>141,135,608</u>
Total oil accountable for period		143,292,465
Delivered from Gathering Systems, January 1 to December 31, 1951	41,229,781	
Delivered from Trunk Systems, January 1 to December 31, 1951	99,491,942	<u>140,721,723</u>
Balance to be accounted for at December 31, 1951		2,570,742
Oil consumed as fuel and losses		<u>157,884</u>
Balance on hand - December 31, 1951		<u><u>2,412,758</u></u>
Total Shippers Balances - December 31, 1951	2,079,274	
Total Carriers Balances - December 31, 1951	333,584	

Two trunk lines cross the St. Clair River from the United States at Sarnia. The limited nature of their 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 two pipe lines follows:

1 9 5 1	Transit and Storage Co. Crude Petroleum	Susquehanna Pipe Line Co. Butane
	Barrels	Barrels
First Quarter	3,901,061	104,854
Second Quarter	2,503,181	136,165
Third Quarter	1,799,332	173,067
October	649,052	59,938
November	635,950	55,190
December	656,839	51,230
Twelve Month Total	10,145,415	580,444

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	November 1951	December 1951	Total Year to date
1. <u>Total Received</u> * (2+3+4+5)	Barrels 18,271,256	Barrels 24,718,426	Barrels 28,766,800	Barrels 28,278,147	Barrels 9,293,885	Barrels 9,042,546	Barrels 100,034,609
Less: Received from other Canadian pipe lines-							
2. Own gathering system	2,776,679	3,532,803	4,046,061	4,694,078	1,541,168	1,536,119	15,049,621
3. Other pipe lines - Gathering	3,564,342	6,131,818	8,187,066	5,770,897	1,850,880	1,552,297	23,654,123
4. Trunk	1,556,675	3,268,813	4,035,856	4,978,827	1,628,463	1,829,117	13,840,171
5. <u>Net Received</u> (6+7+8)	10,573,540	11,784,992	12,497,817	12,884,345	4,273,372	4,125,013	47,490,694
6. Originating on own trunk lines	-	-	-	-	-	-	-
7. Received from foreign pipe line connections	10,185,502	11,421,002	11,832,063	12,198,438	4,057,309	3,975,965	45,637,005
8. Received from other carriers (rail & truck)	188,038	363,990	665,754	635,907	216,063	149,048	1,853,689
9. <u>Total Delivered</u> * (10+11)	17,948,823	24,484,672	28,605,897	28,454,550	9,474,665	8,923,559	99,491,942
10. Less: Delivered to other Canadian trunk lines	1,567,118	3,282,854	4,054,487	4,965,101	1,604,464	1,842,131	13,869,560
11. <u>Net Delivered</u> (12+13+14)	16,381,705	21,201,818	24,549,410	23,489,449	7,870,201	7,081,428	85,622,382
12. Terminated on own trunk lines	15,497,104	17,175,316	19,285,731	19,138,476	6,358,359	6,214,015	71,096,627
13. Delivered to foreign pipe line connections	884,601	4,026,502	5,263,679	4,550,973	1,511,842	867,413	14,525,755
14. Delivered to other carriers (rail & truck)	-	-	-	-	-	-	-

TABLE 1

- 3 -

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	November 1951	December 1951	Total Year to date
15. <u>Total Received</u> (16+17)	Barrels 6,897,567	Barrels 10,186,268	Barrels 13,127,810	Barrels 10,939,354	Barrels 3,555,152	Barrels 3,197,445	Barrels 41,150,999
16. Less: Received from other gathering systems	-	-	-	-	-	-	-
17. <u>Net Received</u> (18+19)	6,897,567	10,186,268	13,127,810	10,939,354	3,555,152	3,197,445	41,150,999
18. Originating on own gathering system	6,770,874	10,000,526	13,075,648	10,918,244	3,550,264	3,192,087	40,765,292
19. Received from other carriers (rail & truck)	126,693	185,742	52,162	21,110	4,888	5,358	385,707
20. <u>Total Delivered</u> * (21+22+23)	6,930,504	10,251,111	13,123,745	10,944,423	3,567,758	3,192,584	41,229,781
Less: Delivered to other pipe lines -							
21. Own trunk system	2,776,679	3,532,803	4,046,061	4,694,078	1,541,168	1,536,119	15,049,621
22. Other pipe lines	3,474,097	6,015,433	8,173,346	5,763,442	1,848,559	1,550,200	23,424,318
23. <u>Net Delivered</u> (24+25)	679,728	684,875	904,336	486,903	178,031	106,265	2,755,842
24. Terminated on gathering systems	61,623	96,755	215,867	104,276	34,280	36,088	478,521
25. Delivered to other carriers (rail & truck)	618,105	588,120	688,469	382,627	143,751	70,177	2,277,321

TABLE 2

* Includes duplications.

TABLE 3 OIL CARRIED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT ORIGINATED

Province	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	November 1951	December 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta - Gathering	6,897,567	10,186,268	13,127,810	10,939,354	3,555,152	3,197,445	41,150,999
Trunk	188,038	363,990	665,754	635,907	216,063	149,048	1,853,689
Quebec (1) - Trunk	10,185,502	11,421,002	11,832,063	12,198,438	4,057,309	3,975,965	45,637,005
Net received - Trunk	10,373,540	11,784,992	12,497,817	12,834,345	4,273,372	4,125,013	47,490,694
Total	17,271,107	21,971,260	25,625,627	23,773,699	7,828,524	7,322,458	88,641,693

TABLE 3

(1) Receipts from U.S. pipe lines at Highwater, Quebec.

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

Province	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	November 1951	December 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta - Gathering	679,728	684,875	904,336	486,903	178,031	106,265	2,755,842
Trunk	2,448,715	2,423,299	3,245,641	2,988,166	1,067,765	843,368	11,105,921
Saskatchewan - Trunk	2,348,539	2,248,445	2,670,325	2,515,389	699,124	820,714	9,782,698
Manitoba (2) - Trunk	1,383,992	5,166,941	6,820,287	5,717,506	2,007,857	1,452,790	19,088,726
Quebec - Trunk	10,200,459	11,363,033	11,813,157	12,268,388	4,095,455	3,964,556	45,645,037
Net Delivered- Trunk	16,381,705	21,201,818	24,549,410	23,489,449	7,870,201	7,081,428	85,622,382
Total	17,061,433	21,886,693	25,453,746	23,976,352	8,048,232	7,187,693	88,378,224
(2) Including deliveries to U.S. pipe lines at Gretna, Man.	884,601	4,026,502	5,263,679	4,350,973	1,511,842	867,413	14,525,755

TABLE 4

TABLE 5 OPERATING STATISTICS

Month, 1951	Barrels Handled Daily Average		Total Barrel Miles (Trunk Lines)	Average Miles per Barrel (Trunk Lines)	Employees and Earnings		
	Gathering Systems	Trunk Lines			Average Number (3)	Total Salaries & Wages	Man Hours worked by Wage earners
	Barrels	Barrels			Millions	Miles	\$
January	83,974	205,342	1,155	181.4	481	146,783	31,718
February	81,715	209,234	930	158.8	490	146,323	27,935
March	65,783	184,665	907	158.4	490	149,406	31,029
April	67,967	225,434	1,391	205.7	513	153,166	30,167
May	128,540	288,010	2,358	264.1	532	177,892	33,465
June	140,246	293,110	2,389	271.7	531	170,494	34,384
July	139,463	300,858	2,641	283.2	563	176,146	33,803
August	151,281	312,108	2,581	266.8	558	184,323	39,024
September	137,024	320,063	2,505	260.9	563	186,621	35,194
October	134,970	324,396	2,598	258.4	559	187,301	37,447
November	118,925	315,822	2,266	239.1	562	183,941	32,166
December	(5) 100,894	(5) 286,264	1,894	212.2	591	200,936	32,894
First Quarter	77,006	199,431	2,992	166.7	487	442,512	90,682
Second Quarter	112,430	269,062	6,138	250.7	525	501,552	98,016
Third Quarter	142,649	310,912	7,727	270.2	561	547,090	108,021
Fourth Quarter	(5) 118,256	(5) 308,752	6,758	237.5	(5) 569	572,178	102,507
Twelve Months	(5) 112,781	(5) 272,445	23,615	237.4	(5) 536	2,063,332	(4) 399,226

TABLE 5

(3) Includes salaried employees.

(4) Includes 11,294 hours overtime.

(5) Excludes data of Edmonton Pipe Line Co. Ltd. and Texaco Exploration Co. which commenced operations on Dec. 16 and Dec. 4, respectively.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES
December, 1951

	Anglo- Canadian Oils, Ltd.	B.A.-Alberta Pipe Line Ltd.	B.A.- Saskatchewan Pipe Line Ltd.	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Company	Montreal Pipe Line Co. Ltd.	Valley Pipe Line Co. Ltd.	Winnipeg Pipe Line Co. Ltd.	Total
TRAFFIC*									
Barrels									
Total Received into System-									
This month (December, 1951)	69,747	246,674	173,667	2,783,682	2,619,286	3,975,965	251,099	518,714	(1) 10,703,872
This year (12 months)	767,277	3,905,315	2,294,671	36,015,831	30,628,443	45,637,005	3,018,504	3,803,903	(1) 126,135,987
Total Delivered out of System-									
This month (December, 1951)	69,747	245,765	163,766	2,776,038	2,541,080	3,964,556	254,065	515,630	(1) 10,580,024
This year (12 months)	767,277	3,972,824	2,264,053	35,994,535	30,139,907	45,645,037	3,043,398	3,795,694	(1) 125,672,102
OPERATING STATISTICS									
Barrels Handled - Daily Average									
Gathering Lines-									
This month (December, 1951)	-	7,927	-	84,742	-	-	8,325	-	(2) 100,894
This year (12 months)	-	10,884	-	93,537	-	-	8,360	-	(2) 112,781
Trunk Lines-									
This month (December, 1951)	2,250	-	5,283	45,195	81,970	127,889	7,044	16,633	(2) 286,264
This year (12 months)	2,102	-	6,202	38,738	82,575	125,055	7,374	10,399	(2) 272,445
TOTAL BARREL MILES									
(Trunk lines - in millions)									
This month (December, 1951)	1	-	4	24	1,527	292	7	37	(1) 1,894
This year (12 months)	12	-	50	238	19,591	3,362	86	275	(1) 23,615
AVERAGE MILES PER BARREL									
(Trunk Lines)									
This month (December, 1951)	15.0	-	22.1	17.0	601.0	73.7	31.9	72.6	(1) 212.2
This year (12 months)	15.0	-	22.1	16.8	650.0	73.6	32.1	72.3	(1) 237.4
OPERATING REVENUES									
Three months ending Mar. 31, 1951	7,675	54,058	13,612	495,530	1,309,104	340,097	103,402	39,710	2,363,188
Six months ending June 30, 1951	15,115	129,377	19,887	1,231,066	4,213,828	745,377	189,280	209,888	6,753,818
Nine months ending Sept. 30, 1951	23,874	227,375	39,131	2,095,954	7,765,427	1,164,290	271,563	421,789	12,009,403
Twelve months ending Dec. 31, 1951	31,681	526,645	98,219	2,868,262	10,619,773	1,616,995	366,651	603,426	(3) 16,738,215
EMPLOYEES AND EARNINGS									
Number									
Number of employees (December)	-	11	2	211	282	33	44	3	(4) 591
Dollars									
Salaries and Wages-									
This month (December, 1951)	-	3,382	741	66,008	104,023	11,175	13,403	1,242	(5) 200,936
This year (12 months)	-	40,502	8,929	706,906	995,989	126,850	165,865	17,329	(5) 2,063,332
Hours									
Man Hours Worked by Wage Earners-									
This month (December, 1951)	-	816	49	24,267	1,388	124	6,039	-	(6) 32,894
This year (12 months)	-	11,787	1,775	294,033	6,741	6,568	78,121	-	(6) 399,226

- (1) Includes operations of Edmonton Pipe Line Co., Ltd. and Texaco Exploration Company operating 16 and 28 days respectively during December.
 (2) Excludes Edmonton Pipe Line Co. Ltd. and Texaco Exploration Company.
 (3) Includes revenues of Edmonton Pipe Line Co. Ltd. and Texaco Exploration Company- \$2,907 and \$3,704 respectively.
 (4) Includes employees reported by Edmonton Pipe Line Co. Ltd. and Texaco Exploration Company.
 (5) Includes salaries and wages of Edmonton Pipe Line Co. Ltd. and Texaco Exploration Company for month of December, \$609 and \$353 respectively.
 (6) Includes 211 man hours reported by Texaco Exploration Company.

* Totals include duplications between companies.

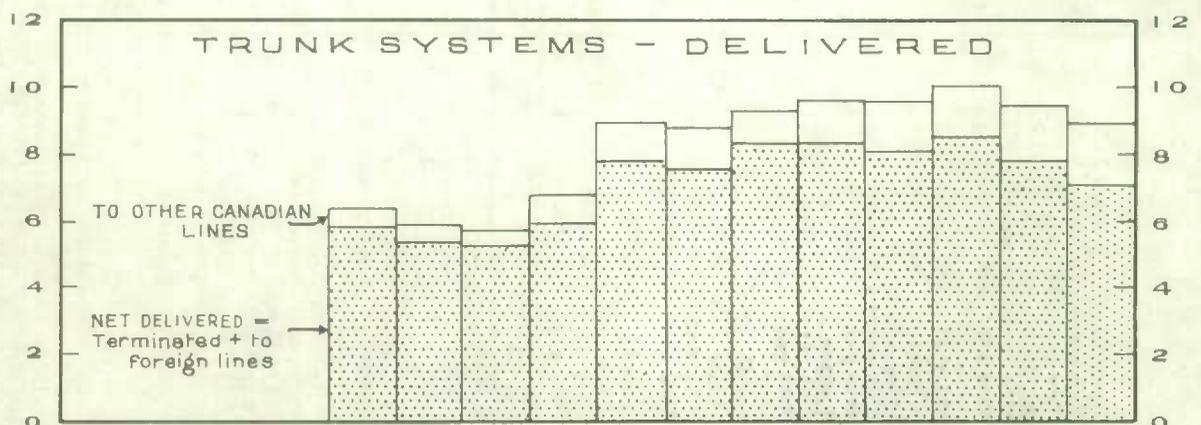
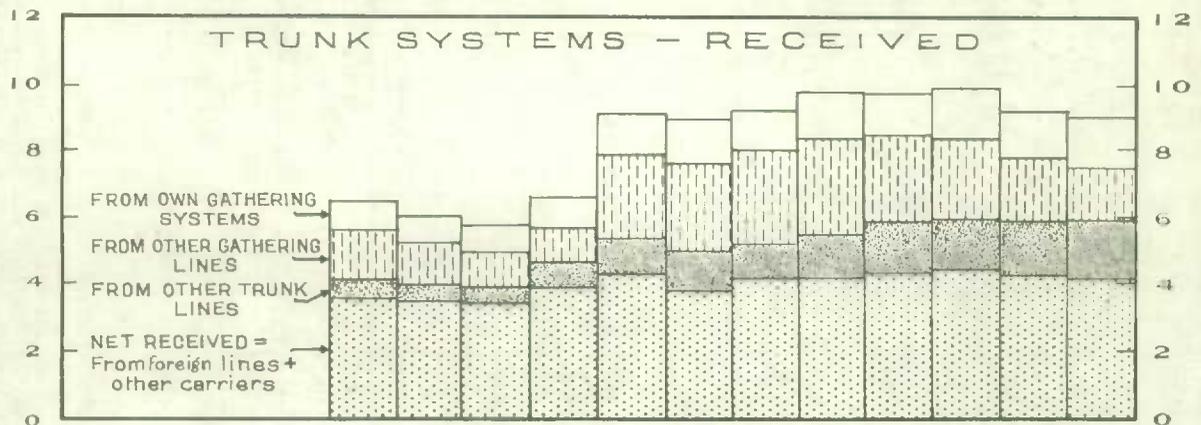
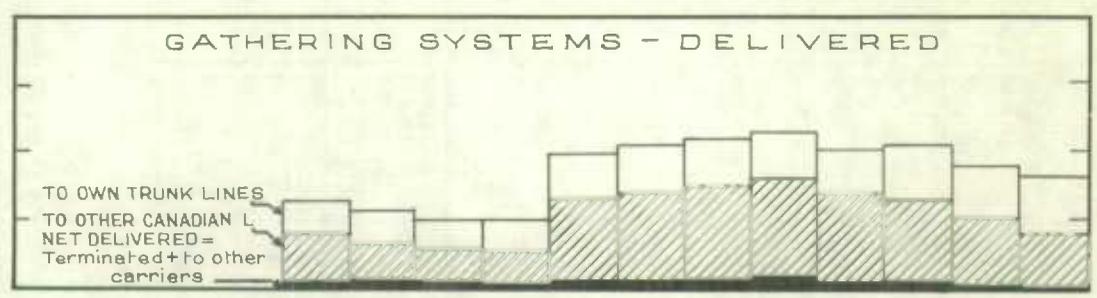
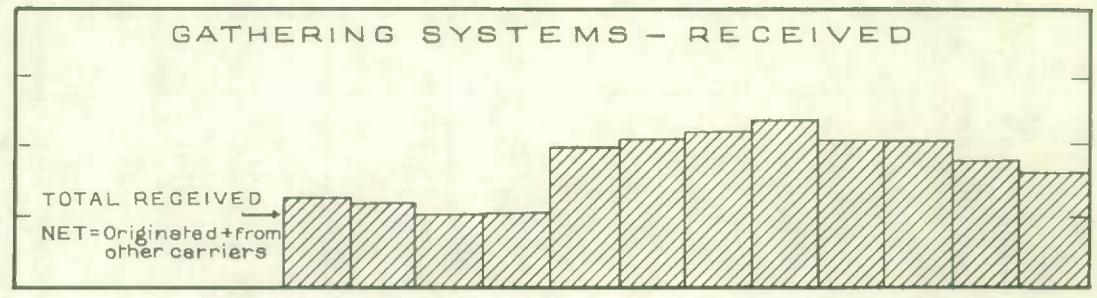


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OIL TRANSPORTED BY CANADIAN PIPE LINE SYSTEMS 1951

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BARRELS

MILLION
BARRELS



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