

D.B.S. MEMORANDUM

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VOL. 1

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PIPE LINES (OIL) STATISTICS

No. 5

NOVEMBER, 1951

A net total of 7,828,524 barrels of oil were received into Canadian oil pipe lines in November. This represented a seasonal drop of 9.2 p.c. from October when net receipts stood at 8,622,717 barrels. The Alberta oil fields accounted for 4,273,372 barrels or 54.6 p.c. of the November total with the remaining 4,057,309 barrels entering Canada from United States pipe lines. Net deliveries from both gathering and trunk lines were lower in November being 178,031 and 7,870,201 barrels, down 24,576 and 667,619 barrels respectively, from the October deliveries. Oil terminated or delivered by provinces amounted to: 1,245,796 barrels in Alberta; 699,124 in Saskatchewan; 2,007,857 in Manitoba (including 1,511,842 delivered to Lakehead Pipe Line Company—the United States section of the Interprovincial Pipe Line Company system) and 4,095,455 barrels in Quebec out of the Portland connection.

During the first eleven months of 1951, a net total of 81,190,531 barrels were delivered in Canada including 13,658,342 barrels for in transit movement through Superior, Wisconsin, with delivery to Ontario refineries via lake tankers. Refinery and storage terminal deliveries amounted to 65,325,045 barrels while 2,207,144 barrels were transferred for rail and road transport. Gathering systems delivered a net total of 2,649,577 barrels to the end of November while trunk lines delivered 78,540,954 barrels during the eleven months period.

Both gathering and trunk lines showed considerable declines in their daily averages of barrels handled during November. The average for gathering systems fell from 134,970 daily in October to a November movement of 118,925 barrels while the drop for trunk lines was from the October high of 324,396 to November's 315,822 barrels per diem. Total barrel miles reported for oil moved through trunk lines was reduced 332 million miles under the preceding month to a November total of 2,266 million barrel miles. The average length of haul again decreased at 239.1 miles per barrel of oil transported during November. Wages and salaries of employees totalled \$183,941 for the 562 persons employed compared with \$187,301 received in October by 559 workers.

The Montreal Pipe Line transported the largest volume of oil during November with deliveries of 4,095,455 barrels during the 30 days or an average of 136,515 barrels per day, an increase from the daily average of 114,376 barrels delivered in October. The gathering system of Imperial Pipe Line Company delivered a daily average of 99,828 barrels, down 14,548 barrels per day from the October movement but still the largest by far for gathering systems. Winnipeg Pipe Line more than doubled its October oil movement with 449,609 barrels delivered and 33 million barrel miles performed in November. Interprovincial Pipe Line deliveries dropped by some 559,000 barrels and stood at 2,926,180 barrels during November. This resulted in a decrease of 340 million barrel miles to the November crude oil movement of 1,892 million barrel miles performed by Interprovincial. The company moved oil an average of 647 miles, a slight increase over the October mileage of 640.

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 below:

	Barrels
<u>Total Received into Systems</u> - all companies -	
during first eleven months of 1951 per table 6	115,432,115
Received into Trunk Lines from Other	
Canadian Pipe Lines	34,112,880
"Net Received" into Canadian Pipe Line Systems	81,319,735
"Net Received" into Trunk Systems per table 1	43,365,681
"Net Received" into Gathering Systems per table 2	37,953,554
<u>Total Delivered out of Systems</u> - all companies -	
during first eleven months of 1951 per table 6	115,092,078
Delivered to Other Canadian Pipe Lines	33,901,547
"Net Delivered" from Canadian Pipe Line Systems	81,190,531
"Net Delivered" from Trunk Systems per table 1	78,540,954
"Net Delivered" from Gathering Systems per table 2	2,649,577

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

Oil Balance - All Companies - January - November, 1951

	Barrels	Barrels
Total Shippers Balances - January 1, 1951	1,896,922	
Total Carriers Balances - January 1, 1951	209,935	2,106,857
Received into Gathering Systems, January 1 to November 30, 1951	37,953,554	
Received into Trunk Systems, January 1 to November 30, 1951 ..	90,992,063	128,945,617
Total oil accountable for period		131,052,474
Delivered from Gathering Systems, January 1 to Nov. 30, 1951	38,037,197	
Delivered from Trunk Systems, January 1 to November 30, 1951	90,568,383	128,605,580
Balance to be accounted for at November 30, 1951		2,446,894
Oil consumed as fuel and losses		140,656
<u>Balance on hand</u> - November 30, 1951		<u>2,306,238</u>
Total Shippers Balances - November 30, 1951	1,997,467	
Total Carriers Balances - November 30, 1951	308,771	

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:

1951	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
Eleven Month Total	9,488,576	529,214

OIL CARRIED BY PIPE LINES - TRUNK

TABLE 1

	First Quarter	Second Quarter	Third Quarter	October 1951	November 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
1. Total Received* (2+3+4+5)	18,271,236	24,718,426	28,766,800	9,941,718	9,293,883	90,992,063
Less: Received from other Canadian pipe lines-						
2. Own gathering system	2,776,679	3,532,803	4,046,061	1,616,791	1,541,168	13,513,502
3. Other pipe lines - Gathering	3,564,342	6,131,818	8,187,066	2,367,720	1,850,880	22,101,826
4. Trunk	1,556,675	3,268,813	4,035,856	1,521,247	1,628,463	12,011,054
5. Net Received (6+7+8)	10,373,540	11,784,992	12,497,817	4,435,960	4,273,372	43,365,681
6. Originating on own trunk lines	-	-	-	-	-	-
7. Received from foreign pipe line connections	10,185,502	11,421,002	11,832,063	4,165,164	4,057,309	41,661,040
8. Received from other carriers (rail & truck)	188,038	363,990	665,754	270,796	216,063	1,704,641
9. Total Delivered* (10+11)	17,948,823	24,484,672	28,603,897	10,056,326	9,474,665	90,568,383
10. Less: Delivered to other Canadian trunk lines	1,567,118	3,282,854	4,054,487	1,518,506	1,604,464	12,027,429
11. Net Delivered (12+13+14)	16,381,705	21,201,818	24,549,410	8,537,820	7,870,201	78,540,954
12. Terminated on own trunk lines	15,497,104	17,175,316	19,285,731	6,566,102	6,358,359	64,882,612
13. Delivered to foreign pipe line connections	884,601	4,026,502	5,263,679	1,971,718	1,511,842	13,658,342
14. Delivered to other carriers (rail & truck)	-	-	-	-	-	-

TABLE 1

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TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	First Quarter	Second Quarter	Third Quarter	October 1951	November 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	6,897,567	10,186,268	13,127,810	4,186,757	3,555,152	37,953,554
16. Less: Received from other gathering systems	-	-	-	-	-	-
17. Net Received (18+19)	6,897,567	10,186,268	13,127,810	4,186,757	3,555,152	37,953,554
18. Originating on own gathering system	6,770,874	10,000,526	13,075,648	4,175,893	3,550,264	37,573,205
19. Received from other carriers (rail & truck)	126,693	185,742	52,162	10,864	4,888	380,349
20. Total Delivered* (21+22+23)	6,930,504	10,231,111	13,123,743	4,184,981	3,567,758	38,037,197
Less: Delivered to other pipe lines-						
21. Own trunk system	2,776,679	3,532,803	4,046,061	1,616,791	1,541,168	13,513,502
22. Other pipe lines	3,474,097	6,013,433	8,173,346	2,364,683	1,848,559	21,874,118
23. Net Delivered (24+25)	679,728	684,875	904,336	202,607	178,031	2,649,577
24. Terminated on gathering systems	61,623	96,755	215,867	33,908	34,280	442,433
25. Delivered to other carriers (rail & truck)	618,105	588,120	688,469	168,699	143,751	2,207,144

TABLE 2

* Includes duplications.

TABLE 3

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

Province	First Quarter	Second Quarter	Third Quarter	October 1951	November 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta - Gathering	6,897,567	10,186,268	13,127,810	4,186,757	3,555,152	37,953,554
Trunk	188,038	363,990	665,754	270,796	216,063	1,704,641
Quebec (1) - Trunk	10,185,502	11,421,002	11,832,063	4,165,164	4,057,309	41,661,040
Net received - Trunk	10,373,540	11,784,992	12,497,817	4,435,960	4,273,372	43,365,681
Total	17,271,107	21,971,260	25,625,637	8,622,717	7,828,524	81,319,235

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

OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENTS TERMINATED

TABLE 4

OR WERE TRANSFERRED TO OTHER CARRIERS

Province	First Quarter	Second Quarter	Third Quarter	October 1951	November 1951	Total Year to date
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Alberta - Gathering	679,728	684,875	904,336	202,607	178,031	2,649,577
Trunk	2,448,715	2,423,399	3,245,641	1,077,033	1,067,765	10,262,553
Saskatchewan - Trunk	2,348,539	2,248,445	2,670,325	995,551	699,124	8,961,984
Manitoba (2) - Trunk	1,383,992	5,166,941	6,820,287	2,256,859	2,007,857	17,635,936
Quebec - Trunk	10,200,459	11,363,033	11,813,157	4,208,377	4,095,455	41,680,481
Net Delivered- Trunk	16,381,705	21,201,818	24,549,410	8,537,820	7,870,201	78,540,954
Total	17,061,433	21,886,693	25,453,746	8,740,427	8,048,232	81,190,531
(2) Including deliveries to U.S. pipe lines at Gretna, Man.	884,601	4,026,502	5,263,679	1,971,718	1,511,842	13,658,342

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		\$	Hours
January	83,974	205,342	1,155	181.4	481	146,783	31,716
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
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
Eleven Months	113,884	271,163	21,721	239.8	531	1,862,396	(4)366,332

(3) Includes salaried employees

(4) Includes 10,718 hours overtime.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

November, 1951

TABLE 6

	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
<u>TRAFFIC*</u>			<u>Barrels</u>						
<u>Total Received into System-</u>									
This month (November, 1951)	46,406	296,255	209,541	3,201,524	2,772,182	4,057,309	273,436	451,214	11,307,867
This year (11 months)	697,530	3,658,641	2,121,004	33,232,149	28,009,157	41,661,040	2,767,405	3,285,189	115,432,115
<u>Total Delivered out of System-</u>									
This month (November, 1951)	46,406	293,908	201,005	3,210,912	2,926,180	4,095,455	277,780	449,609	11,501,255
This year (11 months)	697,530	3,727,059	2,100,287	33,218,497	27,598,827	41,680,481	2,789,333	3,280,064	115,092,078
<u>OPERATING STATISTICS</u>									
<u>Barrels Handled - Daily Average</u>									
<u>Gathering Lines-</u>									
This month (November, 1951)	-	9,797	-	99,828	-	-	9,300	-	118,925
This year (11 months)	-	11,159	-	94,353	-	-	8,372	-	113,884
<u>Trunk Lines-</u>									
This month (November, 1951)	1,547	-	6,700	50,404	97,539	136,515	8,130	14,987	315,822
This year (11 months)	2,089	-	6,288	38,138	82,631	124,792	7,404	9,821	271,163
<u>TOTAL BARREL MILES</u>			<u>Miles</u>						
(Trunk lines - in millions)									
This month (November, 1951)	1	-	5	26	1,892	301	8	33	2,266
This year (11 months)	11	-	46	215	18,064	3,069	79	237	21,721
<u>AVERAGE MILES PER BARREL</u>									
(Trunk Lines)									
This month (November, 1951)	15.0	-	22.1	16.9	647.0	73.6	32.4	72.8	239.1
This year (11 months)	15.0	-	22.1	16.8	655.0	73.6	32.1	72.3	239.8
<u>OPERATING REVENUES</u>			<u>Dollars</u>						
Three months ending Mar. 31, 1951	7,675	54,058	13,612	495,530	1,309,104	340,097	103,402	39,710	2,263,188
Six months ending June 30, 1951	15,115	129,377	19,887	1,231,066	4,213,828	745,377	169,280	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
<u>EMPLOYEES AND EARNINGS</u>			<u>Number</u>						
Number of employees (November)	-	10	5	211	253	35	45	3	562
<u>Salaries and Wages-</u>			<u>Dollars</u>						
This month (November, 1951)	-	3,755	932	64,546	88,967	11,290	13,209	1,242	183,941
This year (11 months)	-	37,120	8,188	640,898	891,966	115,675	152,462	16,087	1,862,396
<u>Man Hours Worked by Wage Earners-</u>			<u>Hours</u>						
This month (November, 1951)	-	825	134	24,434	460	438	5,875	-	32,166
This year (11 months)	-	10,971	1,726	269,766	5,353	6,434	72,082	-	366,332

* Totals include duplications between companies.



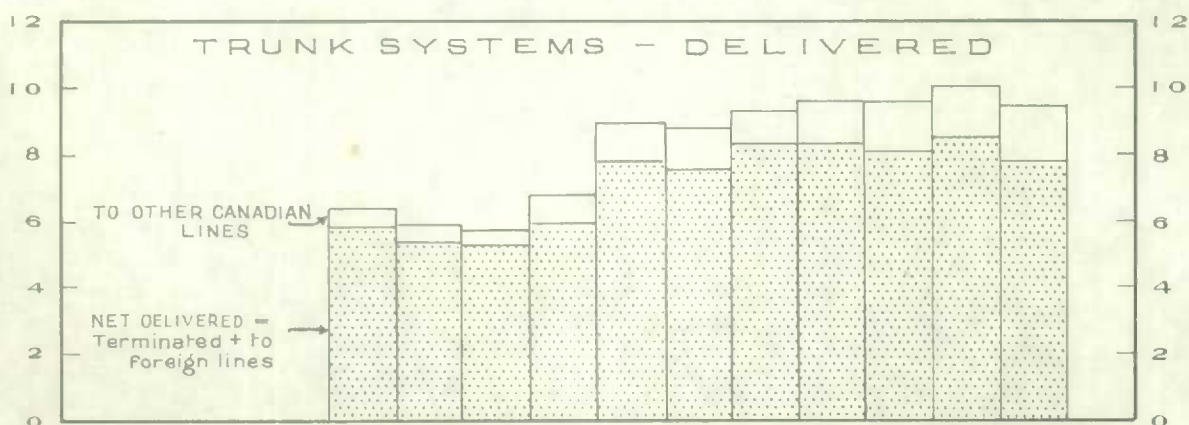
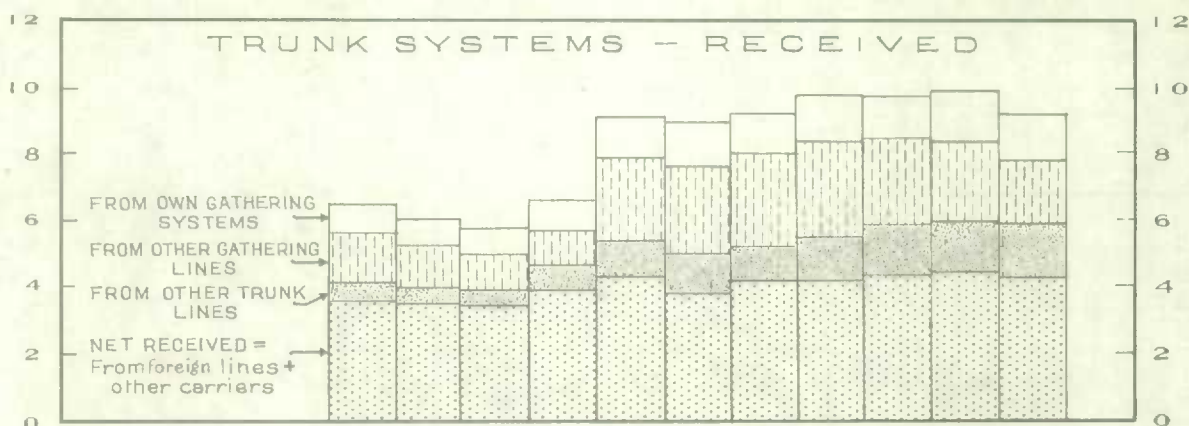
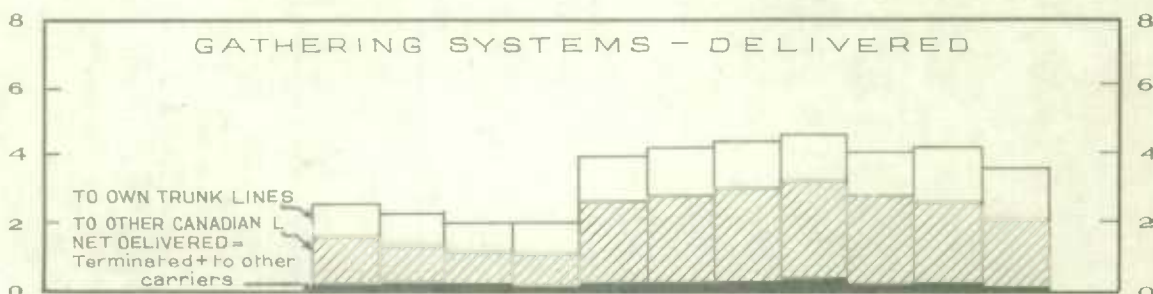
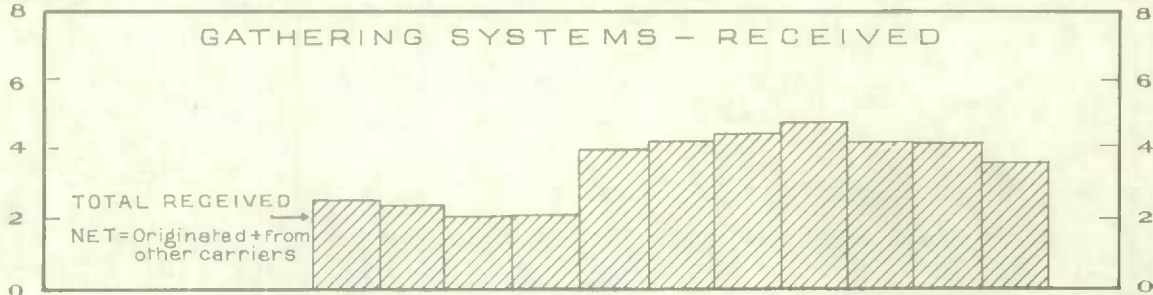
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OIL TRANSPORTED BY CANADIAN PIPE LINE SYSTEMS 1951

MILLION
BARRELS

MILLION
BARRELS



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