

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
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MONTHLY REPORT

PETROLEUM and NATURAL GAS PRODUCTION IN CANADA - OCTOBER, 1939.

and

GASOLINE SALES IN CANADA - SEPTEMBER, 1939.

CRUDE PETROLEUM - The Canadian output of crude petroleum and natural gasoline rose to 816,257 barrels in October from the preceding month's total of 720,866 barrels and the October, 1938 production of 688,825 barrels, according to a statement just issued by the Dominion Bureau of Statistics at Ottawa. Production during the first ten months of the current year aggregated 6,603,374 barrels or 9.5 per cent above the output, a year ago.

Alberta produced 796,147 barrels in October, made up of 793,250 barrels from the Turner Valley field, 1,076 barrels from the Red Coulee field 707 barrels from the Wainwright field and 1,114 barrels from the Moose Dome and Del Bonita fields. According to the provincial government records, the following wells were completed in the Turner Valley field during October:

Royal Canadian # 3 on October 2nd at 8,687 feet.
Royalite # 42 on October 5th at 8,491 feet.
Anglo-Canadian # 8 on October 19th at 7,785 feet.
Argus # 1 on October 19th at 7,384 feet.

Exports of petroleum and its products from Canada in October were valued at \$222,073 compared with the preceding month's export valuation of \$111,744.

Canada imported petroleum, asphalt and their products to a value of \$6,915,569 in October; during September, the imports of these products were worth \$5,901,699. Crude petroleum importations in October totalled 153,349,405 imperial gallons and consisted of 114,661,405 imperial gallons from the United States, 31,914,000 imperial gallons from Venezuela and 6,774,000 imperial gallons from Colombia.

Table 1 - PRODUCTION OF PETROLEUM IN CANADA, BY MONTHS, 1937-1939.

Month	1939(a)	1938	1937
	Barrels	Barrels	Barrels
January	533,166	457,506	141,135
February	358,176	413,244	154,025
March	385,273	480,901	176,721
April	559,368	464,418	188,069
May	713,947	566,473	192,936
June	821,308	538,936	209,727
July	899,169	701,813	244,931
August	795,844	825,546	291,641
September	720,866	892,732	303,983
October	816,257	688,825	342,557
November		445,640	341,627
December		489,423	408,681
TOTAL - CALENDAR YEAR		6,965,457	2,996,033
TOTAL - TEN MONTHS ending OCTOBER	6,603,374	6,030,394	2,245,725

(a) Compiled from monthly reports and subject to revision.

Table 2 - PRODUCTION OF PETROLEUM IN CANADA

	SEPTEMBER 1939(a) Barrels	OCTOBER 1939(a) Barrels	OCTOBER 1938 Barrels	TEN MONTHS ENDING OCTOBER	
				1939(a)	1938
				Barrels	Barrels
NEW BRUNSWICK	1,683	1,514	3,119	16,284	21,239
ONTARIO	16,161	18,596	14,624	173,463	139,430
ALBERTA -					
Turner Valley - production from limestone oil wells	668,962	760,597)		(6,052,205)	5,792,220
Turner Valley - production from limestone gas wells	28,054	32,030)	662,761	()	
Turner Valley - shallow crude	692	623	817	7,077	7,578
Red Coulee - light crude ..	1,066	1,076	1,107	11,071	12,183
Wainwright-Ribstone-heavy crude	1,000	707	1,101	12,955	14,356
Taber - heavy crude .....	...	...	1,268	3,720	13,426
Moose Dome-Lloydminster- Stevenville-Del Bonita fields - heavy crude	1,435	1,114	400	4,753	2,266
TOTAL ALBERTA (b)	701,209	796,147	667,454	6,396,614	5,842,029
NORTHWEST TERRITORIES (b) .	1,813	...	3,628	17,013	27,696
CANADA	720,866	816,257	688,825	6,603,374	6,030,394

(a) Compiled from monthly reports and subject to revision.

(b) Total well output.

Table 3 - IMPORTS OF CRUDE PETROLEUM INTO CANADA DURING SEPTEMBER AND OCTOBER, and the FIRST TEN MONTHS OF 1939.

	SEPTEMBER	OCTOBER	TEN MONTHS ending OCTOBER
	Imperial gal.	Imperial gal.	Imperial gallons.
Nova Scotia	3,564,000	19,302,000	128,117,000
New Brunswick .....	...	...	...
Quebec	73,905,098	64,775,490	452,578,652
Ontario	39,135,000	46,819,000	327,231,493
Manitoba	930,013	1,040,239	8,554,716
Saskatchewan	519,234	308,622	4,302,984
Alberta	634,647	420,054	4,348,280
British Columbia	13,255,000	20,684,000	165,654,715
TOTAL	131,971,992	153,349,405	1,090,787,840

NATURAL GAS - Natural gas production in Canada during October amounted to 2,822,445 thousand cubic feet compared with 2,099,093 thousand cubic feet in September and, 2,523,472 thousand cubic feet in October, 1938. During the first ten months of the current year, 27,896,927 thousand cubic feet were produced; in the corresponding period of 1938 the output totalled 25,970,379 thousand cubic feet.

Mixed gas (natural and artificial) imported into Canada in October declined to 7,167 thousand cubic feet worth \$5,193 from the preceding month's total of 12,622 thousand cubic feet at \$8,638.

Table 4 - PRODUCTION OF NATURAL GAS IN CANADA (b), BY MONTHS, 1937 - 1939.

Month	1939(a)	1938	1937
	M cu. ft.	M cu. ft.	M cu. ft.
January	4,118,179	4,065,837	4,476,141
February	4,114,943	4,047,765	3,821,554
March	3,722,181	3,205,357	3,186,773
April	3,147,608	2,953,524	2,613,142
May	2,120,534	2,143,742	1,907,939
June	2,106,482	1,730,328	1,495,852
July	1,755,544	1,595,755	1,407,809
August	1,889,918	1,771,808	1,428,900
September	2,099,093	1,932,791	1,833,745
October	2,822,445	2,523,472	2,554,787
November		3,381,961	3,347,444
December		4,092,451	4,306,905
TOTAL - CALENDAR YEAR		33,444,791	32,380,991
TOTAL - TEN MONTHS ending OCTOBER	27,896,927	25,970,379	24,726,642

(a) Subject to revision. (b) Does not include Turner Valley gas used for repressuring or waste gas burned in the field.

TABLE I - SUMMARY OF INVESTMENT DATA			
Year	Investment	Income	Capital
1950	100.00	10.00	100.00
1951	110.00	11.00	110.00
1952	120.00	12.00	120.00
1953	130.00	13.00	130.00
1954	140.00	14.00	140.00
1955	150.00	15.00	150.00
1956	160.00	16.00	160.00
1957	170.00	17.00	170.00
1958	180.00	18.00	180.00
1959	190.00	19.00	190.00
1960	200.00	20.00	200.00
1961	210.00	21.00	210.00
1962	220.00	22.00	220.00
1963	230.00	23.00	230.00
1964	240.00	24.00	240.00
1965	250.00	25.00	250.00
1966	260.00	26.00	260.00
1967	270.00	27.00	270.00
1968	280.00	28.00	280.00
1969	290.00	29.00	290.00
1970	300.00	30.00	300.00
1971	310.00	31.00	310.00
1972	320.00	32.00	320.00
1973	330.00	33.00	330.00
1974	340.00	34.00	340.00
1975	350.00	35.00	350.00
1976	360.00	36.00	360.00
1977	370.00	37.00	370.00
1978	380.00	38.00	380.00
1979	390.00	39.00	390.00
1980	400.00	40.00	400.00
1981	410.00	41.00	410.00
1982	420.00	42.00	420.00
1983	430.00	43.00	430.00
1984	440.00	44.00	440.00
1985	450.00	45.00	450.00
1986	460.00	46.00	460.00
1987	470.00	47.00	470.00
1988	480.00	48.00	480.00
1989	490.00	49.00	490.00
1990	500.00	50.00	500.00
1991	510.00	51.00	510.00
1992	520.00	52.00	520.00
1993	530.00	53.00	530.00
1994	540.00	54.00	540.00
1995	550.00	55.00	550.00
1996	560.00	56.00	560.00
1997	570.00	57.00	570.00
1998	580.00	58.00	580.00
1999	590.00	59.00	590.00
2000	600.00	60.00	600.00
2001	610.00	61.00	610.00
2002	620.00	62.00	620.00
2003	630.00	63.00	630.00
2004	640.00	64.00	640.00
2005	650.00	65.00	650.00
2006	660.00	66.00	660.00
2007	670.00	67.00	670.00
2008	680.00	68.00	680.00
2009	690.00	69.00	690.00
2010	700.00	70.00	700.00
2011	710.00	71.00	710.00
2012	720.00	72.00	720.00
2013	730.00	73.00	730.00
2014	740.00	74.00	740.00
2015	750.00	75.00	750.00
2016	760.00	76.00	760.00
2017	770.00	77.00	770.00
2018	780.00	78.00	780.00
2019	790.00	79.00	790.00
2020	800.00	80.00	800.00
2021	810.00	81.00	810.00
2022	820.00	82.00	820.00
2023	830.00	83.00	830.00
2024	840.00	84.00	840.00
2025	850.00	85.00	850.00
2026	860.00	86.00	860.00
2027	870.00	87.00	870.00
2028	880.00	88.00	880.00
2029	890.00	89.00	890.00
2030	900.00	90.00	900.00
2031	910.00	91.00	910.00
2032	920.00	92.00	920.00
2033	930.00	93.00	930.00
2034	940.00	94.00	940.00
2035	950.00	95.00	950.00
2036	960.00	96.00	960.00
2037	970.00	97.00	970.00
2038	980.00	98.00	980.00
2039	990.00	99.00	990.00
2040	1000.00	100.00	1000.00

GASOLINE - Table 5 records the monthly sales of gasoline in Canada during 1938 and 1939. In table 6 the imports into Canada and exports of gasoline during September and October, 1939, are shown.

Table 5 - MONTHLY RETAIL SALES OF GASOLINE IN CANADA, 1938 and 1939 (a)
(in thousands of gallons)

Month	P. E. Island		Nova Scotia		New Brunswick		Quebec		Ontario	
	1939	1938	1939	1938	1939	1938	1939	1938	1939	1938
January	100	55	1,566	1,367	987	857	6,758	5,650	19,682	17,507
February	73	49	1,324	1,204	866	794	5,708	5,462	17,675	17,451
March	90	46	1,715	1,501	1,025	1,030	6,042	6,275	24,286	21,447
April	107	114	1,688	1,863	986	1,068	7,093	8,916	19,857	26,143
May	431	396	2,863	2,808	1,883	1,967	12,635	12,728	32,074	30,891
June	529	481	3,180	3,099	2,438	2,461	14,579	14,147	33,164	32,711
July	529	494	3,488	3,264	2,884	2,720	16,131	15,269	35,599	35,755
August	643	569	3,905	3,703	3,272	3,095	17,364	16,772	38,917	38,424
September ...	537	495	3,388	3,171	2,845	2,711	16,545	14,735	36,211	33,993
Sub-total ..	3,039	2,699	23,117	21,980	17,186	16,703	102,855	99,954	258,465	254,322
October		429		2,873		2,291		13,847		31,804
November		341		2,579		1,817		12,791		28,072
December		160		2,054		1,187		8,835		23,683
TOTAL		3,629		29,486		21,998		135,027		337,881
	Manitoba		Saskatchewan		Alberta (a)		British Columbia		T O T A L	
January	1,826	1,542	1,825	1,022	3,585	3,926	3,748	3,481	40,077	35,407
February	1,301	1,287	836	669	2,147	2,918	3,522	3,313	33,452	33,147
March	1,520	1,697	1,028	875	3,409	4,618	3,950	3,884	43,065	41,373
April	2,609	2,686	5,564	4,006	6,536	5,217	4,425	4,383	48,865	54,396
May	3,825	3,379	11,643	9,170	8,020	8,103	5,412	5,037	78,786	74,479
June	4,029	3,923	7,099	8,248	7,086	7,320	5,541	5,379	77,645	77,769
July	4,567	4,129	9,359	7,174	7,604	6,018	6,073	5,824	87,234	80,647
August	5,177	4,901	12,452	8,449	8,815	8,341	6,571	6,308	97,116	90,562
September ...	5,197	5,059	15,670	10,872	9,153	9,120	5,718	5,571	95,264	85,727
Sub-total ..	30,051	28,603	65,476	50,485	56,355	55,581	44,960	43,180	601,504	573,507
October		4,191		8,133		8,589		4,866		77,023
November		3,336		4,616		5,571		4,822		63,545
December		2,467		1,856		3,984		4,290		48,516
		38,597		65,090		73,725		57,158		762,591

(a) Compiled in the Transportation Branch of the Dominion Bureau of Statistics from returns received from the gasoline tax departments of the Provincial Governments.

(b) Includes diesel oil to March 31, 1938.

Table 6 - IMPORTS INTO CANADA and EXPORTS OF GASOLINE - SEPTEMBER and OCTOBER, 1939.

	Gasoline, lighter than .8236 specific gravity at 60° temperature		Natural casinghead com- pression or absorption gasoline lighter than .6690 specific gravity at 60° temperature	
	SEPTEMBER	OCTOBER	SEPTEMBER	OCTOBER
<u>IMPORTS -</u>				
Prince Edward Island Imp. gal.	...	...	...	...
\$
Nova Scotia Imp. gal.	33,380	67	...	...
\$	11,842	72	...	...
New Brunswick Imp. gal.	8,350	8,330	...	...
\$	1,290	1,303	...	...
Quebec Imp. gal.	3,548,201	763,897	...	1,939,334
\$	192,921	68,056	...	...
Ontario Imp. gal.	4,086,967	3,829,169	134,553	1,337,222
\$	273,193	354,937	...	...
Manitoba Imp. gal.	38,363	53,353	59,894	113,888
\$	3,693	5,563	...	...
Saskatchewan Imp. gal.	252,897	122,117	20,069	27,038
\$	19,868	10,765	...	...
Alberta Imp. gal.	1,994,719	1,780,187	...	...
\$	161,228	153,118	...	...
British Columbia ... Imp. gal.	481,289	515,095	569,597	1,804,088
\$	67,106	68,291	...	...
CANADA Imp. gal.	10,444,166	7,072,215	784,113	5,221,570
\$	731,141	662,105	54,656	344,086

<u>S E P T E M B E R</u>		<u>O C T O B E R</u>	
<u>Imp. gal.</u>	<u>\$</u>	<u>Imp. gal.</u>	<u>\$</u>

EXPORTS -

Gasoline and naphtha	492,288	50,799	772,172	72,160
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TABLE 1. Summary of the results of the 1981 Census of Canada

Province or Territory	Population	Male	Female	Population
Alberta	2,411,000	1,205,000	1,206,000	1981
Saskatchewan	967,000	483,000	484,000	1981
Manitoba	1,180,000	590,000	590,000	1981
Ontario	10,110,000	5,055,000	5,055,000	1981
Quebec	6,400,000	3,200,000	3,200,000	1981
Atlantic Provinces	2,400,000	1,200,000	1,200,000	1981
Total Canada	23,778,000	11,889,000	11,889,000	1981
Population in 1971	22,000,000	11,000,000	11,000,000	1971
Population in 1961	18,000,000	9,000,000	9,000,000	1961
Population in 1951	14,000,000	7,000,000	7,000,000	1951
Population in 1941	11,000,000	5,500,000	5,500,000	1941
Population in 1931	8,000,000	4,000,000	4,000,000	1931
Population in 1921	6,000,000	3,000,000	3,000,000	1921
Population in 1911	4,000,000	2,000,000	2,000,000	1911
Population in 1901	3,000,000	1,500,000	1,500,000	1901
Population in 1891	2,000,000	1,000,000	1,000,000	1891
Population in 1881	1,500,000	750,000	750,000	1881
Population in 1871	1,000,000	500,000	500,000	1871
Population in 1861	700,000	350,000	350,000	1861
Population in 1851	500,000	250,000	250,000	1851
Population in 1841	300,000	150,000	150,000	1841
Population in 1831	200,000	100,000	100,000	1831
Population in 1821	100,000	50,000	50,000	1821
Population in 1811	50,000	25,000	25,000	1811
Population in 1801	20,000	10,000	10,000	1801

Source: Statistics Canada, 1981 Census of Canada, Summary of the Results, Ottawa, 1982.