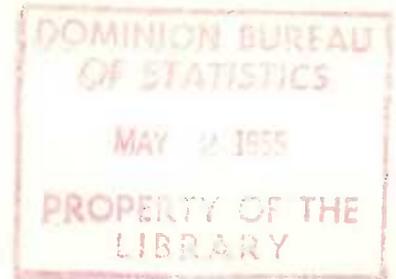


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CANADA



THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1953

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** - The Primary Industries, including mining, forestry and fisheries; **Volume II** - Manufacturing; **Volume III** - Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I - Mineral Statistics
- Part II - Forestry Statistics - Operations in the Woods
- Part III - Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A - General Review of the Mining Industry, 50¢
- B - The Gold Mining Industry, 50¢
- C - The Silver-Lead-Zinc Mining Industry, 25¢
- D - The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
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- N - The Talc and Soapstone Industry, 25¢
- O - The Miscellaneous Non-metal Mining Industry, 25¢
- P - The Cement Manufacturing Industry, 25¢
- Q - The Clay and Clay Products Industry, 25¢
- R - The Lime Industry, 25¢
- S - The Sand and Gravel Industry, 25¢
- T - The Stone Industry, 25¢
- U - Contract Drilling in the Mining Industry, 25¢

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1953

(a) THE CRUDE PETROLEUM INDUSTRY

The Canadian production of crude petroleum during 1953 amounted to 80,898,897 barrels valued at \$200,582,276 compared with 61,237,322 barrels worth \$143,038,212 in 1952.

About 95 per cent of Canada's production came from Alberta wells. The fields in this province which exceeded 2 million barrels in output in 1953 were: Acheson, Armana-Camrose, Bonnie Glen, Golden Spike, Leduc-Woodbend, Redwater, Turner Valley, and Wizard Lake. Among the new producing areas were: Battle, Erskine, Joffre, Morinville, and Samson.

Saskatchewan's output was 2,797,888 barrels in 1953 compared with 1,696,505 barrels in the preceding year. The new fields in this province included: Cantuar, Success, Gull Lake, Midvale, Rapdan, Dollard and Java. The output in Manitoba

was 653,514 barrels in 1953 which was six times as much as in 1952. The oil fields were located in the southwest portion of Manitoba. In the Northwest Territories the production was only slightly more in 1953 than in 1952. Shipments by producers in Ontario increased to 299,685 barrels from 191,814 barrels in 1952. New Brunswick output was about the same as previous years.

The average number of employees was 4,150 to whom \$16,430,201 were distributed in salaries and wages. Fuel cost \$1,586,762 and 22,455,528 kwh. of electricity were purchased for \$860,411. Process supplies were valued at \$3,020,756.

The general statistics refer only to firms which have producing wells, thus some oil prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, 1944-1953

Year	Number of operating wells	Number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of sales
			\$	\$	\$	\$
1944	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358
1945	2,222	1,968	3,898,662	748,351	117,708	14,121,921
1946	2,314	1,563	3,260,571	914,551	109,555	14,725,139
1947	2,296	1,296	3,055,108	759,635	116,957	19,543,301
1948	2,581	1,641	4,391,929	1,939,856	112,952	37,388,975
1949	3,166	2,142	6,304,601	599,562	386,145	61,091,128
1950	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945
1951	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729
1952	5,833	3,702	14,610,821	1,911,794	2,502,154	139,596,851
1953	7,056	4,150	16,430,201	2,447,173	3,020,756	204,481,012

Note. Data for New Brunswick are included in the Natural Gas Industry.

* **TABLE 2. Principal Statistics of the Crude Petroleum Industry, by Provinces¹, 1953**

	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Number of firms	73	10	63	200	1	352
Number of active wells ²	1,423	114	895	5,020	28	7,506 ^{3,4}
Number of employees:						
Administration	44	13	221	656	1	945
Workmen	104	28	199	2,854	20	3,205
Total	148	41	420	3,520	21	4,150
Earnings:						
Administration	\$ 152,914	59,514	698,181	2,960,104	4,605	3,875,318
Workmen	\$ 203,721	108,042	704,025	11,481,095	58,000	12,554,883
Total	\$ 356,635	167,556	1,402,206	14,441,199	62,605	16,430,201
Gross value of sales	\$ 994,835	1,664,709	3,833,127	197,686,004	302,337	204,481,012
Cost of fuel and electricity	\$ 46,147	25,729	232,896	2,130,906	11,495	2,447,173
Cost of process supplies used	\$ 18,270	3,787	179,288	2,819,411	-	3,020,756

1. Data for New Brunswick are included in the Natural Gas Industry.
2. Includes wells still drilling and dry wells completed in year specified.
3. Includes 26 in New Brunswick.
4. Includes 267 gas wells.

TABLE 3. Production of Crude Petroleum, by Provinces, 1952 and 1953

Province	1952		1953	
	Barrels	\$	Barrels	\$
New Brunswick	14,237	19,932	14,738	20,633
Ontario	191,814	641,037	299,685	994,835
Manitoba	104,826	229,299	653,514	1,714,806
Saskatchewan.....	1,696,505	2,256,352	2,797,888	3,833,107
Alberta	58,915,723	139,512,432	76,816,383	193,761,644
Northwest Territories	314,217	379,160	316,689	257,251
Canada	61,237,322	143,038,212	80,898,897	200,582,276

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1951-1953

Field	1951	1952	1953	Field	1951	1952	1953
	Barrels				Barrels		
Acheson	918,158	2,016,855	2,497,850	Jumping Pound	41,936	67,257	96,033
Alliance.....	7,271	16,181	25,594	Leduc-Woodbend.....	13,743,118	17,845,212	21,360,474
Armena-Camrose.....	63,078	1,307,526	3,257,720	Legal	—	—	68,687
Armisie	25,293	103,594	78,956	Lloydminster.....	900,469	1,057,354	1,059,552
Barons	22,788	33,693	44,372	Malmö.....	—	270,474	671,785
Barrhead	35	—	—	Morinville	—	—	5,028
Bashaw	11,318	56,493	35,049	Namoo	3,231	41,333	81,788
Battle	—	—	53,856	New Norway	20,664	287,988	325,142
Baxter Lake	2,449	20,125	41,335	North Big Valley	—	74,446	980,561
Big Valley	155,580	657,875	810,190	Oberlin.....	—	—	237
Bon Accord	14,717	83,526	124,022	Peavey.....	—	—	46,795
Bonnie Glen	—	743,490	5,559,715	Pincher Creek.....	24,677	51	—
Bonnyville	10,184	20,871	45,051	Princess	92,189	72,970	28,057
Campbell	60,436	45,650	40,238	Redwater	23,177,607	23,975,842	23,281,597
Cessford	—	—	85,903	Samson.....	—	—	14,914
Chamberlain	—	—	29,323	Skaro	—	7,026	9,345
Chauvin	—	—	90,747	South Camrose	—	30,799	71,791
Clive	3,349	33,452	148,919	Spring Coulee	9,297	7,271	6,832
Conrad	142,497	135,037	126,170	Stettler.....	606,068	607,078	438,041
Del Bonita	30,344	41,205	38,543	Taber.....	182,449	81,464	66,779
Dina	12,646	19,694	11,203	Turner Valley	2,952,307	2,655,007	2,404,967
Drumheller.....	15,058	175,688	278,862	Vermilion.....	44,557	39,058	35,475
Duhamel.....	184,582	347,140	535,986	Wainwright.....	14,238	27,850	68,726
Ellerslie	20,774	44,975	41,043	West Drumheller	—	—	539,586
Erskine	—	—	48,897	Westerose	—	—	930,073
Excelsior.....	723,005	933,644	1,060,555	Whitelaw	—	—	—
Fairydell	—	—	80,842	Whitemud	25,803	20,010	18,262
Fenn	9,648	343,766	1,412,996	Wizard Lake	190,595	1,696,077	3,095,287
Glen Park	22,443	282,719	414,978	Other areas	61,618	310,586	617,468
Golden Spike.....	640,972	1,279,103	2,167,636				
Joffre	—	—	28,814				
Joseph Lake	727,936	998,268	1,286,736	Total crude	45,915,384	58,915,723	76,816,383

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1952 and 1953

Field	1952	1953	Field	1952	1953
	Barrels			Barrels	
Cantuar	—	18,564	Marsden.....	47,234	38,254
Coleville.....	275,010	767,045	McLaren Sparky	—	50,090
Dollard	—	24,586	Midale	—	15,071
Eastend.....	1,481	19,863	Rapdan	—	23,633
Fosterton	19,334	67,532	Success.....	—	124,001
Gull Lake	—	61,054	Wapella	4,804	96,614
Java	—	632	Waseca Sparky	—	15,855
Lloydminster	779,340	845,390	Other areas.....	9,746	73,084
Lone Rock	547,069	548,221			
Maidstone Sparky.....	12,487	8,399	Total	1,696,505	2,797,888

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1951-1953

Field	1951	1952	1953
	Barrels		
Petrolia and Enniskillen	39,053	36,330	35,395
Oil Springs	26,576	26,957	27,067
Moore township	1,683	1,744	2,479
Sarnia township	144	147	69
Plympton township	—	—	—
Bothwell township and Thamesville	13,135	12,035	10,227
Dover, Romney, Raleigh, Tilbury and Brooke	3,607	4,298	1,362
Onondaga	46	16	—
Mosa township	14,935	15,925	14,290
Dunwich	1,793	1,923	1,877
Dawn, Euphemia and Harwich	1,488	3,070	1,246
Warwick, Metcalfe and Aldborough townships	6,060	13,388	142,676
Sombra township	88,651	75,981	62,997
Total	197,171	191,814	299,685

TABLE 7. Production of Crude Petroleum, 1944-1953

Year	Barrels	\$	Year	Barrels	\$
1944	10,099,404	15,429,900	1949	21,305,348	61,118,490
1945	8,482,796	13,632,248	1950	29,043,788	84,619,937
1946	7,585,555	14,989,052	1951	47,615,534	116,655,238
1947	7,692,492	19,575,682	1952	61,237,322	143,038,212
1948	12,286,660	37,418,895	1953	80,898,897	200,582,276

TABLE 8. Production of Crude Petroleum, by Provinces, 1944-1953

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
1944	23,296	125,067	—	—	8,727,366	1,223,675	10,099,404
1945	30,140	113,325	—	14,374	7,979,786	345,171	8,482,796
1946	28,584	123,082	—	118,686	7,137,921	177,282	7,585,555
1947	23,129	131,295	—	540,117	6,770,477	227,474	7,692,492
1948	21,372	176,989	—	849,166	10,888,592	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	316,689	80,898,897

TABLE 9. Production of Crude Petroleum, by Months, 1953

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
January	1,437	15,300	41,582	174,869	5,040,355	14,009	5,287,552
February	1,172	15,640	36,932	220,459	4,470,169	23,621	4,767,993
March	1,391	17,131	32,316	218,670	4,696,554	34,152	5,000,214
April	1,129	19,288	29,430	154,122	5,144,219	41,562	5,389,750
May	1,234	19,761	28,630	195,104	5,870,881	18,247	6,133,857
June	1,252	24,675	26,937	230,828	6,499,655	25,984	6,809,331
July	1,100	26,669	33,314	254,858	7,723,760	24,881	8,064,582
August	1,244	25,491	54,106	234,383	7,958,820	24,833	8,298,877
September	1,322	32,205	64,314	280,957	7,819,957	36,599	8,235,354
October	1,284	33,030	78,779	271,227	6,815,591	37,308	7,237,219
November	1,061	34,138	109,347	265,813	7,162,310	23,818	7,596,487
December	1,112	36,357	117,827	296,598	7,614,112	11,675	8,077,681
Total	14,738	299,685	653,514	2,797,888	76,816,383	316,689	80,898,897

TABLE 10. Production and Sales of Natural Gasoline in Alberta, 1951-1953

		1951	1952	1953
Production—by fields:				
Jumping Pound	bbl.	13,657	19,583	33,706
Leduc-Woodbend	bbl.	43,597	67,422	82,241
Turner Valley	bbl.	457,773	492,868	486,421
Total Alberta	bbl.	515,027	579,873	602,368
Sales	bbl.	510,408	569,537	593,119
Sales	\$	1,663,854	1,662,514	1,766,307

Note. Natural gasoline is not included in the crude petroleum figures since 1950.

TABLE 11. Petroleum Wells, by Provinces, 1951-1953

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Number						
Productive wells at beginning of year:							
1951	26	1,513	—	156	1,879	24	3,598
1952	26	1,471	2	238	2,582	24	4,343
1953	26	1,381	33	390	3,372	26	5,228
Number of productive wells drilled:							
1951	—	12	5	99	819	—	935
1952	—	27	38	185	893	2	1,145
1953	—	82	66	457	1,361	2	1,968
Number of wells abandoned:							
1951	—	58	3	17	86	—	164
1952	—	64	7	33	103	—	207
1953	—	19	3	114	279	—	415
Number of dry wells drilled:							
1951	1	22	5	35	262	—	325
1952	—	36	17	102	356	—	511
1953	—	23	8	233	425	—	689
Number of productive wells in operation at end of year:							
1951	26	1,471	2	238	2,582	24	4,343
1952	26	1,381	33	390	3,372	26	5,228
1953	26	1,423	96	633	4,454	28	6,660

TABLE 12. Employees¹ and Their Earnings in the Crude Petroleum Industry, 1952 and 1953

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1952								
Ontario	29	9	104	—	142	124,433	175,295	299,728
Manitoba	6	1	10	—	17	45,118	24,984	70,102
Saskatchewan	62	24	137	1	224	305,090	648,915	954,005
Alberta	439	85	2,747	27	3,298	2,040,036	11,183,396	13,223,432
Northwest Territories	1	—	20	—	21	5,554	58,000	63,554
Canada	537	119	3,018	28	3,702	2,520,231	12,090,590	14,610,821
1953								
Ontario	33	11	104	—	148	152,914	203,721	356,635
Manitoba	12	1	28	—	41	59,514	108,042	167,556
Saskatchewan	179	42	199	—	420	698,181	704,025	1,402,206
Alberta	559	107	2,802	52	3,520	2,960,104	11,481,095	14,441,199
Northwest Territories	1	—	20	—	21	4,605	58,000	62,605
Canada	784	161	3,153	52	4,150	3,875,318	12,554,883	16,430,201

1. Employment in New Brunswick included in Natural Gas Industry.

TABLE 13. Workmen, by Months, in the Crude Petroleum Industry, 1952 and 1953 (Number on pay-roll on the last work-day of each month)

Month	1952			1953		
	Male	Female	Total	Male	Female	Total
January.....	2,944	24	2,968	3,018	49	3,067
February.....	2,901	26	2,927	3,019	49	3,068
March.....	2,922	27	2,949	3,081	49	3,130
April.....	2,907	28	2,935	2,975	50	3,025
May.....	3,054	26	3,080	3,120	51	3,171
June.....	3,072	27	3,099	3,176	52	3,228
July.....	3,124	29	3,153	3,229	53	3,282
August.....	3,067	29	3,096	3,315	52	3,367
September.....	2,962	28	2,990	3,180	53	3,233
October.....	3,073	27	3,100	3,085	55	3,140
November.....	3,012	28	3,040	3,241	54	3,295
December.....	3,006	28	3,034	3,207	54	3,261
Average.....	3,018	28	3,046	3,153	52	3,205

TABLE 14. Fuel and Electricity Used in the Crude Petroleum Industry, 1953

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines..... short ton	123	1,596
(b) Imported.....	—	—
Sub-bituminous coal (from Alberta mines only)..... short ton	3,340	31,445
Anthracite coal.....	—	—
Lignite coal..... short ton	104	1,142
Coke (for fuel only).....	—	—
Gasoline, (includes gasoline used in cars and trucks)..... Imp. gal.	1,772,475	672,289
Kerosene or coal oil..... "	17,523	4,851
Fuel oil (does not include lubricating oil)..... "	4,248,740	814,625
Wood (cords of 128 cubic feet of piled wood)..... cord	650	4,600
Gas (a) Liquefied petroleum gases (propane, etc.)..... M cu. ft.	26,011	27,215
(b) Other manufactured gas..... "	—	—
(c) Natural gas..... "	163,824	28,999
Other fuel.....	—	—
Electricity purchased for power and lighting (includes service charge)..... kwh	22,455,528	860,411
Electricity purchased for other purposes (includes service charge).....	—	—
Total (cost only).....	—	2,447,173
Electricity generated (a) For own use..... kwh	755,670	—
(b) For sale.....	—	—

TABLE 15. Power Equipment (Including stand-by or emergency equipment), 1953

Description	Ordinarily in use		In reserve or idle	
	Number of units	Total h.p. (according to manufacturer's rating)	Number of units	Total h.p. (according to manufacturer's rating)
1. Steam engines.....	5	325	2	1,250
2. Steam turbines.....	1	5	1	60
3. Diesel engines.....	119	25,336	15	2,746
4. Gasoline, gas and oil engines, other than Diesel engines.....	758	22,364	71	1,636
5. Hydraulic turbines or water-wheels.....	—	—	—	—
6. Electric motors — (except those reported under item 10):				
(a) Operated by purchased power.....	2,058	17,485	66	548
7. Total (1),(2),(3),(4),(5) and (6a).....	2,941	65,515	155	6,240
8. (b) Operated by power generated by (1),(2),(3),(4), and (5).....	146	454	18	40
9. Stationary boilers for power purposes only.....	17	4,676	6	1,350
10. Motor-generator sets.....	118	1,145	10	363

TABLE 16. Imports of Petroleum, Asphalt, and Their Products, 1952 and 1953

Item	1952		1953		
	Quantity	Value	Quantity	Value	
		\$		\$	
Asphaltum or asphalt, solid or not	cwt.	219,641	646,570	451,921	857,210
Asphalt oil for paving	—	—	—	—	—
Oil, imported by miners or mining companies, for the concentration of ores or metals	gal.	217,530	230,009	168,744	192,311
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	M gal.	2,841,968	206,838,147	2,781,707	207,985,790
Crude petroleum, n.o.p.	gal.	19,192	2,080	16,654	1,541
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined	gal.	54,303,428	3,195,322	75,237,668	5,106,463
Fuel oil, ex-warehoused, for ships' stores	gal.	15,598,798	692,812	18,796,458	940,737
Aviation gasoline.....	gal.	72,428,954	13,895,589	79,861,231	16,305,335
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p.	gal.	33,814,292	4,013,338	26,708,398	3,256,297
Engine distillate, .8017 specific gravity or heavier at 60° Fah.	gal.	178,714	23,736	231,011	27,328
Gasoline, lighter than .8236 specific gravity at 60° Fah.	gal.	154,276,266	22,794,416	184,136,880	29,152,048
Natural casinghead, compression or absorp- tion gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah., when im- ported by refiners of crude petroleum for blending with gasoline wholly produced in Canada.....	gal.	23,501,268	2,433,895	27,610,165	3,165,438
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal.	14,120,488	2,731,861	23,595,576	4,391,499
Lubricating oils, 25 cents and over	gal.	17,181,114	6,336,684	11,351,934	4,654,771
Oils, mineral, n.o.p.	gal.	2,436,490	3,217,696	2,618,120	3,376,397
Stove oil, No. 1 fuel oil	gal.	82,560,140	9,571,041	106,812,256	12,436,966
Light fuel oils, Nos. 2 and 3	gal.	266,037,963	27,949,749	275,707,181	27,778,738
Heavy fuel oils, Nos. 4, 5 and 6	gal.	308,551,855	18,187,582	267,744,747	16,128,933
Diesel fuel	gal.	86,204,845	8,506,898	71,166,322	7,865,673
Tractor fuel	gal.	235	36	—	—
Petroleum greases and lubricating greases, n.o.p.	lb.	18,163,012	1,501,248	20,193,059	1,850,603
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes	—	—	591,603	---	603,623
Paraffin wax	lb.	30,290,450	1,957,224	36,816,140	2,189,061
Paraffin wax candles	lb.	234,929	66,426	309,536	93,729
Products of petroleum, n.o.p.	gal.	5,932,173	2,285,920	14,570,878	3,632,530
Liquefied petroleum gases	lb.	191,700,940	2,899,786	263,070,780	3,530,232
Naphtha, including solvent naphtha	gal.	6,409,320	1,392,781	12,812,190	2,526,073

TABLE 17. Exports of Petroleum and its Products, 1952 and 1953

Item	1952		1953		
	Quantity	Value	Quantity	Value	
		\$		\$	
Petroleum, crude.....	gal.	49,855,950	3,452,231	87,755,990	6,227,828
Oil, coal and kerosene, refined	gal.	2,754	653	1,998	508
Gasoline and naphtha	gal.	32,083,079	5,035,108	166,676	37,576
Fuel oil	gal.	132,254	21,254	5,513,958	428,700
Lubricating oil	gal.	87,980	194,856	25,645	32,015
Oil, mineral, n.o.p.	gal.	12,568	8,375	8,870	10,198
Wax, mineral	cwt.	20,416	180,715	5,254	36,038

TABLE 18. Canadian Crude Petroleum Supply, 1939-1953

Year	Canadian production	Imports	Exports ¹	Apparent supply
	Barrels of 35 Imperial gallons			
1939	7,826,301	37,094,823	—	44,921,124
1940	8,590,978	42,623,484	—	51,214,462
1941	10,133,838	46,791,026	—	56,924,864
1942	10,364,796	44,120,212	—	54,485,008
1943	10,052,302	49,753,782	—	59,806,084
1944	10,099,404	57,047,826	—	67,147,230
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043

1. Exports were comparatively small prior to 1951 and may be neglected.

TABLE 19. Receipts of Crude Petroleum by Canadian Refineries, 1949-1953

Year	Maritimes and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and Northwest Territories	British Columbia	Canada
	Barrels				
1949:					
Canadian	—	258,371	20,251,860	—	20,510,231
Imported	41,644,735	25,583,887	932,396	7,287,887	75,448,905
Total	41,644,735	25,842,258	21,184,256	7,287,887	95,959,136
1950:					
Canadian	—	248,584	26,069,133	—	26,317,717
Imported	48,677,917	25,050,077	230,878	7,832,059	81,790,931
Total	48,677,917	25,298,661	26,300,011	7,832,059	108,108,648
1951:					
Canadian	—	13,855,078	33,330,847	—	47,185,925
Imported	59,054,655	15,943,314	90,516	8,051,088	83,139,573
Total	59,054,655	29,798,392	33,421,363	8,051,088	130,325,498
1952:					
Canadian	—	20,030,188	38,355,581	508,862	58,894,631
Imported	61,373,935	13,657,565	29,042	7,406,780	82,467,322
Total	61,373,935	33,687,753	38,384,623	7,915,642	141,361,953
1953:					
Canadian	—	22,954,227	43,711,979	2,679,381	69,345,587
Imported	64,439,523	11,066,468	7,446	5,892,673	81,406,110
Total	64,439,523	34,020,695	43,719,425	8,572,054	150,751,697

TABLE 20. World Crude Oil Production, 1951-1953
(From "World Petroleum")

	1951	1952	1953		1951	1952	1953
	thousands of barrels daily				thousands of barrels daily		
North America:				Europe-- concluded:			
United States	6,149.0	6,252.4	6,454.0	Yugoslavia	3.2	3.2	3.0
Canada	130.5	166.4	220.2	Italy	0.4	1.0	1.9
Mexico	210.2	211.8	196.6	Total (excluding U.S.S.R.)	214.9	226.6	250.6
Total	6,489.7	6,630.6	6,780.8	U.S.S.R.	842.0	940.0	1,040.0
				Total	1,056.9	1,153.7	1,290.6
South America:				Near & Middle East:			
Venezuela	1,704.6	1,796.6	1,760.8	Iran	350.0	31.5	25.2
Colombia	105.3	107.2	108.1	Saudi Arabia	761.5	821.8	845.0
Argentina	66.9	67.0	76.9	Iraq	174.6	372.5	574.9
Trinidad	57.1	57.3	60.8	Kuwait	563.0	750.1	860.0
Peru	44.0	44.6	44.6	Bahrein	30.0	30.0	30.0
Ecuador	7.4	7.8	7.9	Qatar	49.6	67.3	88.7
Bolivia	1.4	1.5	1.4	Egypt	44.7	45.2	46.7
Cuba	0.3	0.3	0.1	Turkey	0.4	0.5	0.6
Brazil	1.9	2.2	2.7	Total	1,973.8	2,118.9	2,471.1
Chile	2.0	2.0	3.2				
Total	1,990.9	2,086.3	2,066.5	Far East & Oceania:			
Western Hemisphere	8,480.6	8,716.9	8,937.3	Indonesia	151.7	168.7	202.4
				British Borneo	103.0	104.8	100.4
Europe:				New Guinea	4.8	4.6	4.8
Romania	100.0	90.0	92.5	India	5.3	5.2	6.5
Austria	44.0	43.5	59.5	Pakistan	3.6	4.1	4.4
Germany	26.5	33.4	42.3	Burma	2.2	2.2	2.5
Hungary	10.5	9.5	14.0	Japan	6.4	5.8	5.7
Poland	3.7	3.8	4.0	China	2.0	2.0	2.5
Netherlands	13.6	13.7	15.5	Total	279.0	297.4	329.2
Albania	3.0	3.0	3.0	Eastern Hemisphere	3,309.7	3,570.0	4,090.9
France	5.6	7.0	7.1	World total	11,790.3	12,336.7	13,028.2
French Morocco	1.6	2.0	2.1				
United Kingdom	0.9	1.1	1.1				
Czechoslovakia	1.9	2.5	2.5				
Algeria	—	0.8	2.1				

Crude Petroleum Producers, 1953

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario¹:		
Albot Gas & Oil Limited	10 Adelaide St. E., Toronto	Aldborough
Aldborough Oil & Gas Co.	Rodney	Aldborough
Ayrheart, E. J.	Oil Springs	Petrolia and Enniskillen
Barnes, A. G.	Petrolia	Petrolia and Enniskillen
Bradford Oil & Gas Co.	Rodney	Aldborough
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Canadian Oil Companies Limited	204 Richmond St. W., Toronto 1	Petrolia and Enniskillen
Cole, W. J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex. ²	102 Inshes Ave., Chatham	Dover
Copeland, Mrs. R.	Petrolia	Petrolia and Enniskillen
Corey, H.	Petrolia	Petrolia and Enniskillen
Crown Oil & Gas Company	Rodney	Aldborough
Demaray & Nichols	Oil Springs	Euphemia
DeMers, N. E.	Oil Springs	Petrolia and Enniskillen
Dennis, Mrs. L.	Oil Springs	Petrolia and Enniskillen
Dillon, T.	Leamington	Petrolia and Enniskillen
Dominion Natural Gas Co. Ltd.	315 Colborne St., Brantford	Aldborough and Dunwich
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F. H.	Petrolia	Petrolia and Enniskillen
Fairbank, H. H., Estate	Petrolia	Petrolia and Enniskillen
Hamlin, F. G.	Petrolia	Petrolia and Enniskillen
Heal, A. A.	Watford	Warwick and Adelaide
High Grade Natural Gas Co. Ltd.	215 King St. W., Chatham	Dover
Holmes, E. B.	Bothwell	Zone
Imperial Oil Ltd.	56 Church St., Toronto	Sombra, Euphemia, Mosa and Moore
Irwin, Foster	Petrolia	Petrolia and Enniskillen
Johnson, E.	Petrolia	Petrolia and Enniskillen
Kells, E. E.	Petrolia	Petrolia and Enniskillen
Kerr, J. J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell	Zone
Lather, D. C.	Thamesville	Euphemia
Lennan, Lloyd A.	Petrolia	Petrolia and Enniskillen
Lewis & Lewis	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, L.	Wallacetown	Dunwick
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McGaffey, E. ²	Bothwell	Zone
McRoberts & March	Bothwell	Zone
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H. M.	Oil Springs	Petrolia and Enniskillen
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pope, H. O.	Bothwell	Zone

1. Producer of 300 barrels or more during the year.

2. Producer and driller.

Crude Petroleum Producers, 1953 - Continued

Name	Address	Location of field
Ontario¹ - concluded:		
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover East and Raleigh
Roth, E. L.	114 Hillsdale St., Hillsdale, Mich., U.S.A.	Aldborough and Brooke
Saroline Oil Co.	Petrolia	Petrolia and Enniskillen
Shain, Viola	Petrolia	Petrolia and Enniskillen
Slack, C. M.	Petrolia	Petrolia and Enniskillen
Stanley & McCrie	Bothwell	Camden Gore
Sutherland, B. M.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Warwick, Joseph	Oil Springs	Petrolia and Enniskillen
Whitlock, B.	Petrolia	Petrolia and Enniskillen
Wilson-Sullivan Development Co.	112 S. Christina St., Sarnia	Warwick
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen
Manitoba:		
British American Oil Company Limited	Bay & College Sts., Toronto, Ont.	Roselea
California Standard Company	Medical Arts Bldg., Calgary, Alta.	Virden
Canadian Pipe Line Producers Limited	213-6th Ave. W., Calgary, Alta.	Virden
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alta.	Virden
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary, Alta.	Daly
Imperial Oil Limited	56 Church St., Toronto, Ont.	Virden
McIvor Drilling Co. ²	Virden	Virden
Pascar Oils Limited	516 Toronto General Trusts Bldg., Winnipeg	Coulter
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alta.	Lulu Lake
Souris Valley Oil Co. Ltd.	201 Avenue Building, Winnipeg	Virden and Daly
Saskatchewan:		
Albercan Oil Corporation	940-8th Ave. W., Calgary, Alta.	Lone Rock
Alminster Oils Ltd.	73 Adelaide St. W., Toronto, Ont.	Lloydminster
American Northland Oil Co.	127 Montgomery St., San Francisco 4, California, U.S.A.	Lloydminster and Silverdale
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary, Alta.	Gull Lake
Barlow Bros. Ltd.	735-32nd St. W., Calgary, Alta.	Lloydminster
Barnhill Syndicate, 2 & 3	Lloydminster	Silverdale
Bata Petroleum Ltd.	Unity	Unity
Beaver State Wilrich Excelsior Ltd.	222 Tegler Bldg., Edmonton, Alta.	Silverdale
Canso Oil Producers Ltd.	940-8th Ave., Calgary, Alta.	Lloydminster
Cavalcade Oils	150-1st Ave. S., Saskatoon	Lloydminster
Community Services Ltd.	Lloydminster	Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited.	569 Howe St., Vancouver, B.C.	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, B.C.	Lloydminster
Cyprus, N.	150-1st Ave. S., Saskatoon	Lloydminster
Domestic Oil Producer	703-5th St. W., Calgary, Alta.	Lloydminster
Do-Mor Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alta.	Lloydminster
Donna Oils	150-1st Ave. S., Saskatoon	Dulwich
Edoran Oil Corp. Ltd.	709-8th Ave. W., Calgary, Alta.	Lloydminster
Excelsior Refineries Ltd.	227 Tegler Bldg., Edmonton, Alta.	Lloydminster
Fargo Oils Ltd.	133-6th Ave. E., Calgary, Alta.	Lone Rock, Silverdale and Epping
Franco Castle Syndicate	678 Howe St., Vancouver, B.C.	Lloydminster

1. Producer of 300 barrels or more during the year.

2. Producer and driller.

Crude Petroleum Producers, 1953 - Continued

Name	Address	Location of field
Saskatchewan - concluded:		
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	630-8th Avenue W., Calgary, Alta.	Lloydminster
Ibstone Petroleum Limited	North Battleford	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ont.	Various
Karels & Rennie	Swift Current	Lloydminster
Liberal Petroleum Ltd.	Box 638, Edmonton, Alta.	Lone Rock
Lloydminster Development Co. Ltd. ...	Lloydminster	Lloydminster
Manitou Syndicate	Lloydminster	Lloydminster and Silverdale
Marion Oils Limited	712 McCallum-Hill Bldg., Regina	Lloydminster
Marshall Petroleum Ltd.	602 Bamlett Bldg., Calgary, Alta.	Lloydminster
Medhurst & Coverdale	1134-8th Ave. W., Calgary, Alta.	Silverdale
Monogram Petroleum Ltd.	402-100 Adelaide St. W., Toronto, Ont.	Lloydminster
Mowat, R. D., Limited	10454-82nd Ave., Edmonton, Alta.	Lloydminster
New Devon Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alta.	Lloydminster
Oilwell Operators Ltd.	232 Lougheed Bldg., Calgary, Alta.	Moose
Parosity Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alta.	Dulwich
Republic Oils Ltd.	Hardy	Lloydminster
Ribstone Valley Petroleum Ltd.	80 King St. W., Toronto, Ont.	Lloydminster
Rogers-Bailey Syndicate	5 Beaver Hotel Bldg., North Battleford	Lloydminster
Rogers, A. S.	Lloydminster	Silverdale
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alta.	Coleville
Saskatoon Petroleum	150-1st Ave. S., Saskatoon	Lloydminster
Shell Oil Company	Box 100, Calgary, Alta.	Midale
Socony-Vacuum Oil Co. of Canada, Ltd.	Barron Bldg., Calgary, Alta.	Various
Sohio Petroleum Company	11th & Albert St., Regina	Wapella and Fosterton
Tide Water Associated Oil Company	Royal Bank Bldg., Regina	Various
Trans Empire Oils Ltd.	627-8th Ave. W., Calgary, Alta.	Buffalo Coulee
Trans-Western Oils Ltd.	631 Hornby St., Vancouver, B.C.	Lloydminster
Twin River Petroleum (Alta.) Ltd. ...	222 Tegler Bldg., Edmonton, Alta.	Dulwich
Wagner Holding & Development Limited	101 Northgate Bldg., Edmonton, Alta.	Dulwich
Wilrich Petroleum Ltd.	66 King St. W., Toronto, Ont.	Lloydminster
Withers-Groat Syndicate	Tisdale	Lloydminster
Yukon Oils Ltd.	10454-82nd Ave., Edmonton, Alta.	Lloydminster
Alberta:		
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Leduc-Woodbend and Acheson
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Alberta Washington Petroleum Limited	118 McFarland Bldg., Lethbridge	Del Bonita
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	513-8th Ave. W., Calgary	Redwater
American Leduc Petroleum Ltd.	10168-100th St., Edmonton	Bashaw
Amurex Oil Development Co.	703-5th St. W., Calgary	Cessford
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary	Stettler
Anglo-Canadian Oil Company Limited ..	900 Lancaster Bldg., Calgary	Turner Valley and Elk Point
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Armistie Oil Co. Ltd.	205 Mercantile Bldg., Edmonton	Armistie
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Bailey, Selburn Oil & Gas Ltd.	901-8th Avenue W., Calgary	Leduc

1. Producer of 300 barrels or more during the year.

2. Producer and driller.

Crude Petroleum Producers, 1953 - Continued

Name	Address	Location of field
Alberta - continued:		
Barons Oil Limited	305 Foothills Bldg., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Leduc-Woodbend
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Leduc
Big Five Petroleums Ltd.	Box 114, Edmonton	Leduc-Woodbend
British American Oil Company Limited ¹	King & Young Sts., Toronto, Ont.	Turner Valley and Redwater
British Petroleums Limited	404-6th Ave. W., Calgary	Leduc-Woodbend
California Standard Company	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.	420 Empire Bldg., Edmonton	Leduc
Calmont Oils Limited	906 Lancaster Bldg., Calgary	Leduc and Turner Valley
Calvan Consolidated Oil & Gas Company Limited.	624-9th Ave. W., Calgary	Various
Calwin-Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Canadian Atlantic Oil Company Ltd. ...	700 Petroleum Bldg., Calgary	Leduc
Canadian Bishop Oil Ltd.	209-211 Bamlett Bldg., Calgary	Redwater
Canadian Delhi Oil Ltd.	1004 Barron Bldg., Calgary	Vermilion
Canadian Fina Oil Limited	407 Bamlett Bldg., Calgary	Bulwark
Canadian Gulf Oil Company	Tulsa 2, Okla., U.S.A.	Pincher Creek, Redwater and Stettler.
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary	Various
Canadian Superior Oil of California Ltd..	627-8th Ave. W., Calgary	Excelsior
Cannar Oils Ltd.	11 Michael Bldg., Calgary	Vermilion
Canroc Oils Ltd.	108 Baltzan Bldg., Edmonton	Leduc
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary	Bon Accord and Stettler
Castle Oil & Gas Ltd.	231-8th Ave. W., Calgary	Leduc-Woodbend
Chamberlain Oil & Gas Ltd.	237 Tegler Bldg., Edmonton	Chamberlain
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Drilling Company Limited ²	4 Clarence Blk., Calgary	
Commonwealth Petroleum Limited.....	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, B.C.	Leduc
Consolidated East Crest Oil Company Limited	735-8th Ave. W., Calgary	Turner Valley
Consolidated Peak Oils Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Consumers' Co-operative Refineries Limited	211 Avenue D North, Saskatoon, Sask.	Leduc-Woodbend
Consumers' Exploration Company Limited	211 Ave. D North, Saskatoon, Sask.	Princess
Crest Royalties Ltd.....	201 Lancaster Bldg., Calgary	Turner Valley
Daveroy Oil Co. Ltd.	10439-82nd Ave., Edmonton	Camrose
Dempsey Oils Limited	109 Canadian Bank of Commerce Bldg., Calgary	Leduc-Woodbend
Desilets, A.A.	Kitscoty	Lloydminster, Blackfoot
Dome Exploration (Western) Ltd.	528-9th Ave. W., Calgary	Redwater, Drumheller, Armena
Do-Mor Petroleums Ltd.	308 Northgate Bldg., Edmonton	Leduc
Dundee Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Eastside Petroleums Ltd.	1210-11th Ave. W., Calgary	Turner Valley
Edmonton-Wainwright, Oils Ltd.	8 McDougall Court, Edmonton	Wainwright
Eldon Royal American Model	201 Lancaster Bldg., Calgary	Legal
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Exterior Petroleums Ltd.	Kitscoty	Lloydminster
Federal Oils Syndicate	605 Lancaster Bldg., Calgary	Princess
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1953 - Continued

Name	Address	Location of field
Alberta - continued:		
Flank Petroleum Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Flier's Oil Limited	81 St. George's Crescent, Edmonton	Leduc
Foothills Oil & Gas Company Limited....	232 Lougheed Bldg., Calgary	Turner Valley
Futurity Oils Limited	200 Greyhound Bldg., Calgary	Leduc
Garven Drilling & Development Ltd.	11328 Jasper Ave., Edmonton	Blackfoot
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
General Petroleum of Canada Limited..	224-9th Ave. W., Calgary	Leduc-Woodbend
Godfrey-Lehman Lloydminster Syndicate	304 Lancaster Bldg., Calgary	Lloydminster
Golden Spike Western Petroleum Ltd. ..	809 Centre St., Calgary	Armena, Camrose
Graneduc Oils (Alberta)Ltd.	227 Tegler Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada Ltd.	528-9th Ave. W., Calgary	Drumheller, Leduc and Joffre
Hales Oil & Gas Ltd.	735-8th Ave. W., Calgary	Whitemud
Harris Wells Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Henderson Oil Holding Ltd.	704 Centre St., Calgary	Kitscoty
High Crest Oils Limited	609 Herald Bldg., Calgary	Campbell
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley, Leduc and Red- water
Hudson's Bay Oil & Gas Co. Ltd.	534-8th Ave. W., Calgary	Leduc and Turner Valley
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Wood- bend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
K de K Drilling Corp.	11 Michael Bldg., Calgary	Vermilion
Kamalta Well Operators Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Limited	1718 West 5th Ave., Vancouver, B. C.	McLeod
Keno Oils Ltd.	10182-103rd St., Edmonton	Leduc
L. B. Oils Limited	Municipal Airport, Edmonton	Leduc and Woodbend
Leader Petroleum Ltd.	818-8th Ave. W., Calgary	Leduc
Leduc Calmar Oil Co. Ltd.	131-11th Ave. W., Calgary	Leduc
Legion Oils Limited	304 Grain Exchange Bldg., Calgary	Redwater
Leo Oil & Gas Ltd.	237 Tegler Bldg., Edmonton	Wainwright
Liberal Petroleum Ltd.	Box 638, Edmonton	Blackfoot, Lloydminster
Lloydminster Development Company Ltd.	Lloydminster	Lloydminster
Locksley Petroleum Ltd.	Edmonton	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Marjack Oils Ltd.	10125-101st St., Edmonton	Leduc
Marlea Oils Ltd.	223-7th Ave. E., Calgary	Lea Park
Maryland Petroleum Limited	309-8th Ave. W., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
McGregor Mitchell Oils Ltd.	11546 Jasper Ave., Edmonton	Leduc and Woodbend
Melton Petroleum Ltd.	10154-103rd St., Edmonton	Leduc and Acheson
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Merrill Petroleum Limited	510A-8th Ave. W., Calgary	Leduc
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Mic Mac Oils Ltd.	11536 Jasper Ave., Edmonton	Leduc, Joarcum and Legal
Mill Creek Oil Co. Ltd.	509-3rd St. W., Calgary	Namao
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley

1. Operated an absorption plant.
2. Drilling only.

Crude Petroleum Producers, 1953 - Continued

Name	Address	Location of field
Alberta - continued:		
Miracle Royalties Wells & Valley Oils ..	301 Lancaster Bldg., Calgary	Turner Valley
Mitmor Oil & Gas Ltd.	213-6th Ave. W., Calgary	Erskine
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Montalban Oils Ltd.	512 Alexandra Bldg., Edmonton	Barons
Morgro Oil Operators Ltd.	Peace River	Lloydminster
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
Nationwide Minerals Ltd.	129 Adelaide St. W., Toronto, Ont.	Lloydminster
New British Dominion Oil Co. Ltd.	304 Toronto General Trusts Bldg., Calgary ..	Turner Valley
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Ltd.	409 Lancaster Bldg., Calgary	Turner Valley
New Devon Petroleum Ltd.	308 Northgate Bldg., Edmonton	Leduc and Erskine
New Pacalta Oils Co. Ltd.	80 King St. W., Toronto, Ont.	Whitemud
New Richfield Petroleum Ltd.	1002 Lancaster Bldg., Calgary	Leduc and Campbell
New Superior Oils of Canada Limited ...	224-9th Ave. W., Calgary	Joseph Lake, Lloydminster, Redwater and Drumheller
Northwell Operators Limited	904 Lancaster Bldg., Calgary	Redwater and Woodbend
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A. ...	Redwater
Oil City Petroleum Ltd.	11902-74th Ave., Edmonton	Leduc
Oilwell Operators Limited	232 Lougheed Bldg., Calgary	Erskine
Okalta Oils Limited	Renfrew Bldg., Calgary	Turner Valley and Leduc
Pacific Petroleum Ltd.	700 Petroleum Bldg., Calgary	Turner Valley, Princess, Red- water and Excelsior
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary	Lloydminster
Paige Petroleum Limited	85 Richmond St. W., Toronto, Ont.	Lloydminster
Pan Western Oils Limited	940 Eighth Ave. W., Calgary	Leduc
Paragon Oils Limited	118 McFarland Bldg., Lethbridge	Del Bonita
Paul Guthrie Development Limited	10460-111th St., Edmonton	Woodbend
Petcal Ltd.	528-9th Ave. W., Calgary	Variou
Petro-Uranium of Canada Ltd.	718-5th St. W., Calgary	Leduc
Ponder Oils Ltd.	402 Bamlett Bldg., Calgary	Leduc and Woodbend
Ponoka Calmar-American Leduc Oils ...	308 Northgate Bldg., Edmonton	Leduc
Premium Petroleum Ltd.	525 Seymour St., Vancouver, B.C.	Lloydminster
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc and Morinville
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary	Turner Valley
Renfrew Producers & Operators Ltd.	818-8th Ave. W., Calgary	Variou
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Rio-Prado Consolidated Oils Limited ...	129-6th Ave. E., Calgary	Chauvin and Red Coulee
Royal American Oil Co. Ltd.	7911-101st St., Edmonton	Leduc-Woodbend and Legal
Royal Canadian Oils Ltd.	615 Credit Foncier Bldg., Vancouver, B.C. ...	Turner Valley and Lloydminster
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	239-6th Ave. W., Calgary	Turner Valley
Sage Oil Company Limited	10824-82nd Ave., Edmonton	Leduc and Rosenheim
Sasko-Wainwright Oil & Gas	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	714 First National Bldg., Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Oils Limited	624-9th Ave. W., Calgary	Leduc
Seaboard Oil Company	630-8th Ave. W., Calgary	Redwater
Security Freehold Petroleum Ltd.	Nanton Bldg., Winnipeg, Man.	Leduc
Selbay Exploration Ltd.	901-8th Ave. W., Calgary	Joffre

1. Operated an absorption plant.
2. Drilling only.

Crude Petroleum Producers, 1953 - Concluded

Name	Address	Location of field
Alberta - concluded:		
Shamrock Oils	Lloydminster	Lloydminster
Shannon Oils Ltd.	10454-82nd Ave., Edmonton	Lloydminster
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary ..	Turner Valley
Shell Oil Co. of Canada Ltd.	25 Adelaide St., Toronto, Ont.	Jumping Pound
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Camrose and Legal
Socony-Vacuum Oil Co. of Canada Ltd..	Barron Bldg., Calgary	Duhamel
Southwest Petroleum Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Sovereign Royalties Limited	409-Third St. W., Calgary	Turner Valley
Sparmac Petroleums Limited	100 Alexandra Bldg., Edmonton	Ellerslie
Stanolind Oil and Gas Company	308-9th Ave. W., Calgary	Various
Sturgeon Petroleums Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Sun Oil Company	Barron Bldg., Calgary	New Norway
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary ..	Turner Valley
Tangent Oils Ltd.	204 Wilson Electric Bldg., Calgary	Blackfoot
Taylor Petroleum Operators Ltd.	627-8th Ave. W., Calgary	Leduc and Stettler
Texaco Exploration Company	237-7th Ave. W., Calgary	Redwater and Calmar
Trident Drilling Co. Ltd.	803-8th St. W., Calgary	Wainwright
Trinidad Leaseholds (Canada) Ltd.	184 Bay St., Toronto, Ont.	Leduc
Tri-Tor Oils Ltd.	1410 Stanley St., Montreal, Que.	Bonnyville and Cold Lake
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Union Oil Co. of California	709-8th Ave. W., Calgary	Fairydell
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanalta Limited	Johnston St., Granville Island, Vancouver, B.C.	Leduc-Woodbend
Vanlorne Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Vanpeg Royalties Well No. 1	301 Lancaster Bldg., Calgary	Turner Valley
Wain-Con Oils Limited	112 Thomas Bldg., Edmonton	Wainwright
Wainwright Petroleums Ltd.	10625-99th Ave., Edmonton	Wainwright
Wainwright Producers & Refiners Ltd.	Wainwright	Wainwright
Wakefield, E. F.	307 Union National Bank Bldg., Wichita, Kansas, U. S. A.	Leduc and Woodbend
West Canadian Petroleums Ltd.	709-8th Ave. W., Calgary	Various
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Redwater
Western Petroleums Operators Limited ..	406 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	213-6th Ave. W., Calgary	Leduc
Westside Royalties Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc and Alliance
Widney Oil & Drilling Co. Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Wilderman-Jones Drilling Ltd.	220 Blow Bldg., Calgary	Leduc
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Yeske Petroleums Ltd.	509 Imperial Bank Bldg., Edmonton	Leduc
York Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Yorkton Investors Syndicate	Yorkton	Lloydminster
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

1. In addition to operating and drilling wells in the Turner Valley field, this company operates an absorption plant.

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1953 amounted to 100,985,923 thousand cubic feet valued at \$10,877,017. These figures include the natural gas sold for domestic, industrial and other uses, and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste and meter differences, was valued at a nominal wellhead price.

In Alberta, the Turner Valley field was the chief producer at 27,103,751 M cubic feet and the Viking-Kinsella field was next with 17,861,188 M cubic feet. Output increased in Saskatchewan to

1,422,128 M cubic feet and in Ontario to 9,708,969 M cubic feet, but the production in New Brunswick declined slightly.

There were 2,769 persons employed to whom \$8,073,532 were paid in salaries and wages. Fuel cost \$248,766 and 1,713,358 kwh of electricity were purchased for \$42,600. Process supplies used were valued at \$45,911.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry. Firms which did not have producing wells may not have been included in this compilation.

TABLE 21. Principal Statistics for the Natural Gas Industry, 1944-1953

Year	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1944	211	3,621	1,810	2,885,654	188,003	13,149	9,772,357
1945	218	3,748	1,890	2,993,091	227,514	18,298	10,860,594
1946	219	3,825	1,655	2,491,361	226,980	21,457	10,588,175
1947	186	3,799	1,784	3,057,249	220,344	19,975	12,333,332
1948	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512
1950	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215
1951	201	3,985	2,658	6,491,234	126,301	48,583	6,691,223
1952	191	4,132	2,573	7,296,092	95,722	240,944	5,854,051
1953	196	3,688	2,769	8,073,532	291,366	45,911	6,856,501

1. See footnote to Table 22.

TABLE 22. Principal Statistics, by Provinces, 1952 and 1953

Province	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1952							
New Brunswick	2	39	58	159,603	7,528	—	169,803
Ontario	166	3,858	1,419	3,983,753	11,572	207,740	3,320,876
Saskatchewan	1	5	13	34,844	1,940	—	27,176
Alberta	22	230	1,083	3,117,892	74,682	33,204	2,336,196
Canada	191	4,132	2,573	7,296,092	95,722	240,944	5,854,051
1953							
New Brunswick	2	39	53	149,611	4,172	2,000	151,777
Ontario	167	3,377	1,508	4,197,876	17,235	8,992	3,883,588
Saskatchewan	2	7	15	40,746	2,933	—	21,629
Alberta	25	265	1,193	3,685,299	267,026	34,919	2,799,507
Canada	196	3,688	2,769	8,073,532	291,366	45,911	6,856,501

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

TABLE 23. Production of Natural Gas, 1944-1953

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1944	45,067,158	11,422,541	1949	60,457,177	11,620,302
1945	48,411,585	12,309,564	1950	67,822,230	6,433,041
1946	47,900,484	12,165,050	1951	79,460,667	7,158,920
1947	52,656,567	13,429,558	1952	88,686,465	9,517,638
1948	58,603,269	15,632,507	1953	100,985,923	10,877,017

TABLE 24. Production of Natural Gas, by Provinces, 1944-1953

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	M cubic feet					
1944	702,464	7,082,508	119,116	37,161,570	1,500	45,067,158
1945	653,230	7,199,970	163,824	40,393,061	1,500	48,411,585
1946	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	26,109	100,985,923

TABLE 25. Production¹ of Natural Gas, by Provinces, 1952 and 1953

Province	1952		1953	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	202,042	150,073	177,112	131,368
Ontario	8,302,190	3,320,876	9,708,969	3,883,588
Saskatchewan	1,007,491	100,749	1,422,128	127,992
Alberta	79,149,895	5,936,242	89,651,605	6,723,870
Northwest Territories	24,847	9,698	26,109	10,199
Canada	88,686,465	9,517,638	100,985,923	10,877,017

1. Sold and used by producers.

TABLE 26. Production¹ of Natural Gas, by Months and by Provinces, 1953

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	M cu. ft.				
January	18,949	1,201,327	112,554	10,587,950	11,921,886
February	17,749	1,085,869	107,312	8,033,554	9,245,963
March	18,899	1,071,999	110,617	8,385,348	9,589,577
April	15,819	847,707	89,206	7,555,681	8,511,119
May	15,023	701,312	89,464	6,249,776	7,058,043
June	12,102	565,040	79,332	5,350,473	6,011,037
July	9,795	464,041	75,666	4,965,482	5,516,752
August	10,443	458,144	87,020	5,186,684	5,745,640
September	11,640	540,972	89,086	6,044,686	6,688,895
October	14,936	723,732	97,335	7,315,935	8,153,476
November	14,794	945,486	146,081	9,146,621	10,254,017
December	16,963	1,103,340	238,455	10,829,415	12,289,518
Total	177,112	9,708,969	1,422,128	89,651,605	100,985,923

1. Sales and consumption by producers.

2. Includes 26,109 M cu. ft. in the Northwest Territories.

TABLE 27. Production of Natural Gas in Alberta, by Fields, 1953

Field	M cu. ft.	Field	M cu. ft.
Fakowki Lake	9,697,353	Turner Valley	27,103,751
Jumping Pound	10,425,400	Viking-Kinsella, Wainwright	17,861,188
Leduc-Woodbend	10,473,926	Other fields and areas	8,301,569
Medicine Hat, Redcliff	5,788,418	Total Alberta	89,651,605

Note: Does not include waste gas and meter differences in field, amounting to 25 million M cu. ft. in 1953.

TABLE 28. Production of Natural Gas in Ontario, by Fields, 1952 and 1953

County	Field	1952	1953
		M cu. ft.	
Middlesex and Elgin	Mosald	298,246	585,371
Essex	Kingsville		
	Tilbury	1,640,464	1,745,755
	Dover	110,853	79,643
Kent	Electric	11,416	—
	DeClute	289,395	232,262
	Chatham and Camden Gore	87,577	97,790
	Zone	115,100	99,165
	Dawn	744	712
Lambton	Kimball	2,651,432	4,247,472
	Becher	44,707	102,948
	Bayham and Malahide	20,429	16,929
Elgin			
Haldimand	Haldimand	1,594,783	1,313,761
Lincoln			
Wentworth			
Brant	Brant	21,519	18,810
Norfolk	Norfolk	546,282	517,872
Oxford	Brownsville and Norwich	56,215	57,708
Welland	Welland	686,528	596,771
Wells in surface drift	Harwich and Howard	6,500	—
Private wells		120,000	—
Total produced		8,302,190	9,708,969

TABLE 29. Number of Gas Wells, by Provinces, 1951-1953

		New Brunswick	Ontario	Saskatchewan	Alberta	Canada
		Number				
Productive wells at beginning of year	1951	39	3,746	14	187	3,986
	1952	39	3,713	15	196	3,963
	1953	39	3,858	5	217	4,119
Number of productive wells drilled.....	1951	—	178	1	13	192
	1952	—	235	—	25	260
	1953	—	152	2	38	192
Number of dry wells drilled.....	1951	—	119	2	7	128
	1952	—	108	—	3	111
	1953	—	137	—	13	150
Number of wells abandoned.....	1951	—	164	—	4	168
	1952	—	123	10	4	137
	1953	—	679 ¹	—	3	682
Productive wells at end of year	1951	39	3,713	15	196	3,963
	1952	39	3,858	5	217	4,119
	1953	39	3,377	7	252	3,675

1. Includes 502 private and surface wells which the Ontario government has ceased to carry.

TABLE 30. Natural Gas Pipeline Mileage, 1952 and 1953

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1952	1953	1952	1953	1952	1953	1952	1953
New Brunswick	20	20	65	65	36	36	73	73
Ontario	2,303	2,326	2,068	2,118	4,099	4,072	2,363	2,422
Saskatchewan	36	49	24	31	43	60	20	28
Alberta	1,262	1,466	1,349	1,503	3,734	4,227	1,863	2,009
Canada	3,621	3,861	3,506	3,717	7,912	8,395	4,319	4,532

TABLE 31. Sales¹ of Manufactured and Natural Gas, 1952 and 1953

	1952			1953		
	Number of customers	Quantity sold M. cu. ft.	Revenue from sales \$	Number of customers	Quantity sold M. cu. ft.	Revenue from sales \$
Manufactured gas:						
Domestic.....	531,775	13,940,405	19,115,540	526,707	13,339,655	19,066,442
House heating	7,151	2,477,077	2,272,065	7,124	2,217,741	2,258,110
Industrial	4,394	3,777,587	3,711,311	11,247	4,459,714	4,529,141
Commercial.....	30,098	6,109,610	6,612,951	26,487	5,861,563	6,344,750
Miscellaneous	—	—	30,493	—	—	22,327
Total	573,418	26,304,679	31,742,360	571,565	25,878,673	32,220,770
Natural gas:						
Domestic.....	239,957	28,392,449	16,654,932	258,587	30,382,846	18,667,428
Industrial	1,844	22,677,481	5,429,257	1,931	24,283,833	6,129,571
Commercial.....	21,467	14,935,855	4,954,170	22,907	16,007,808	5,291,485
Miscellaneous	—	—	63,331	—	—	78,762
Total	263,268	66,005,785	27,102,690	283,425	70,674,487	30,167,246
Total — all gas	836,686	92,310,464	58,844,050	854,990	96,553,160	62,388,016

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 32. Sales¹ of Natural Gas, by Areas, 1952 and 1953

	1952		1953	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic	8,008,839	9,754,358	8,882,268	10,723,336
Industrial	1,928,813	2,115,535	2,204,309	2,402,260
Commercial	1,322,076	1,480,139	1,445,414	1,611,581
Miscellaneous ²	—	52,375	—	57,934
Total	11,259,728	13,402,407	12,531,991	14,795,111
Western Canada				
Domestic	20,383,610	6,900,564	21,500,578	7,944,092
Industrial	20,748,668	3,313,722	22,079,524	3,727,311
Commercial	13,613,779	3,474,031	14,562,394	3,679,904
Miscellaneous ²	—	10,956	—	20,828
Total	54,746,057	13,699,273	58,142,496	15,372,135
Canada — Total				
Domestic	28,392,449	16,654,922	30,382,846	18,667,428
Industrial	22,677,481	5,429,257	24,283,833	6,129,571
Commercial	14,935,855	4,954,170	16,007,808	5,291,485
Miscellaneous ²	—	63,331	—	78,762
Total	66,005,785	27,101,680	70,674,487	30,167,246

1. See footnote to Table 31.
2. Includes some free customers.

TABLE 33. Employees and Their Earnings in the Natural Gas Industry, 1952 and 1953

	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1952								
New Brunswick	—	—	56	2	58	—	159,603	159,603
Ontario	247	188	982	2	1,419	1,239,700	2,744,053	3,983,753
Saskatchewan	3	—	10	—	13	10,400	24,444	34,844
Alberta	162	48	847	26	1,083	710,762	2,407,130	3,117,892
Canada	412	236	1,895	30	2,573	1,960,862	5,335,230	7,296,092
1953								
New Brunswick	—	—	51	2	53	—	149,611	149,611
Ontario	257	210	1,039	2	1,508	1,299,750	2,898,126	4,197,876
Saskatchewan	2	3	10	—	15	17,057	23,689	40,746
Alberta	190	58	916	29	1,193	812,951	2,872,348	3,685,299
Canada	449	271	2,016	33	2,769	2,129,758	5,943,774	8,073,532

TABLE 34. Number of Workmen in the Natural Gas Industry, by Months, 1952 and 1953
(On the last work-day of each month)

Month	1952			1953		
	Male	Female	Total	Male	Female	Total
January	1,491	24	1,515	1,518	29	1,547
February	1,418	23	1,441	1,458	28	1,486
March	1,372	25	1,397	1,517	27	1,544
April	1,521	25	1,546	1,645	32	1,677
May	1,954	29	1,983	1,998	30	2,028
June	2,033	30	2,063	2,183	33	2,216
July	2,179	36	2,215	2,326	37	2,363
August	2,266	40	2,306	2,453	37	2,490
September	2,257	32	2,289	2,482	38	2,520
October	2,232	33	2,265	2,459	37	2,496
November	2,120	34	2,154	2,234	36	2,270
December	1,717	33	1,750	1,792	36	1,828
Average	1,895	30	1,925	2,016	33	2,049

TABLE 35. Fuel and Electricity Used in the Natural Gas Industry, 1953

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	—	—
(b) Imported	1 short tons	30
Sub-bituminous coal (from Alberta mines only)	—	—
Anthracite coal	—	—
Lignite coal	—	—
Coke (for fuel only)	2 short tons	43
Gasoline, (includes gasoline used in cars and trucks)	400,873 Imp. gal.	139,605
Kerosene or coal oil	23,014 "	5,374
Fuel oil (does not include lubricating oil)	81,970 "	15,123
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	6,810 M cu. ft.	1,226
(b) Other manufactured gas	—	—
(c) Natural gas	1,681,211 M cu. ft.	87,365
Other fuel	—	—
Electricity purchased for power and lighting (includes service charge)	1,713,358 kwh	42,600
Electricity purchased for other purposes (includes service charge)	—	—
Total (cost only)	—	291,366
Electricity generated (a) For own use	959,890 kwh	—
(b) For sale	1,984,290 "	35,717

TABLE 36. Power Equipment (Including stand-by or emergency equipment), 1953

Description	Ordinarily in use		In reserve or idle	
	Number of units	Total h.p. (according to manufacturer's rating)	Number of units	Total h.p. (according to manufacturer's rating)
1. Steam engines	—	—	—	—
2. Steam turbines	—	—	—	—
3. Diesel engines	1	180	—	—
4. Gasoline, gas and oil engines, other than Diesel engines ..	46	1,539	1	150
5. Hydraulic turbines or water-wheels	—	—	—	—
6. Electric motors — (except those reported under item 10):				
(a) Operated by purchased power	4	10	—	—
7. Total (1), (2), (3), (4), (5) and (6a)	51	1,729	1	150
8. (b) Operated by power generated by (1),(2),(3),(4) and (5)	—	—	—	—
9. Stationary boilers for power purposes only	3	130	1	80
10. Motor-generator sets	9	186	2	6

Directory of Firms in the Natural Gas Industry, 1953

1. Distributing only. 3. Drilling only.
2. Drilling and producing. 4. Using or selling gas from absorption plant.

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton.....	
New Brunswick Oilfields Ltd.	Box 194, Moncton	Stoney Creek
Ontario:		
Bain, Lyons & Werner	Fisherville	Cayuga South
Barnhart, Mr. & Mrs. E.	Stevensville	Bertie
Barrick, R., & H. Heighton	R.R. 2, Wainfleet.....	Wainfleet
Bates, Norman.....	Port Colborne.....	Humberstone
Bates, N. and G.....	Port Colborne.....	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	
Beaver Oil & Gas Syndicate	67 Yonge St., Toronto	Walpole
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K. W.	Fisherville	Rainham
Benner & Tinney.....	Fisherville	Rainham and Walpole
Bertie Township Gas & Oil Syndicate.....	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate.....	Fisherville	Rainham
Booth, A. E.	1986 Drummond Rd., Niagara Falls	Willoughby and Bertie
Boyers Creek Gas Syndicate.....	Chippawa	Willoughby
Britlo Oils Limited.....	67 Yonge St., Toronto	Tilbury East
Buck, J.L.	Port Rowan.....	Walsingham South
Campbell, L.G.	Kingsville.....	Gosfield South
Canfield Natural Gas Company Limited ..	Dunnville	Cayuga North
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga	Senaca
Chambers, H. M.	Sherkston	Humberstone
Chambers, Dr. H. W.	Chippawa	Willoughby
Chippawa Creek Gas Syndicate	Drawer 200, Fort Erie.....	Bertie and Willoughby
Consolidated West Petroleum Limited.....	19 Melinda St., Toronto	Romney
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Daubarie, A. ²	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie.....	Bertie
Dell-Burn Gas Limited ²	Dunnville	Various
Dennis, G. R., & Sons ²	Sherkston	Walpole
Dickout Bros.	Lowbanks	Moulton
Dickout, Leroy	Lowbanks	Sherbrooke
Dickson & Mercer	Hagersville.....	Oneida
Di Martile, T. A.....	Fort Erie.....	Bertie
Dominion Natural Gas Company, Limited ²	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Dover Gas Syndicate	Drawer 200, Fort Erie.....	Woodhouse
Earleejune Fish Co.....	Dunnville	Dunn
Edmund Gas Syndicate.....	Port Colborne.....	Humberstone
Elk Development Syndicate.....	Port Colborne.....	Humberstone

Directory of Firms in the Natural Gas Industry, 1953 - Continued

Name	Address	Location of field
Ontario - continued:		
Emerson, H.L.....	Dunnville	Moulton, Canboro, Gainsboro, Cayuga South and Wain- fleet
Erie Prospecting Syndicate.....	Ridgeway	Bertie
Fairbank Estate	Petrolia.....	Enniskillen
Falls View Gas Syndicate.....	Fort Erie.....	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fitzgerald, W. J.....	South Cayuga	Cayuga South
Fleet Manufacturing Limited.....	Fort Erie.....	Bertie
Fletcher, Eva	Glanford Station.....	Binbrook
Fox, E. S.	Welland	Thorold
Franklin, Stanley	Port Maitland	Dunn
Garrison Gas Syndicate	Fort Erie.....	Bertie
George, Mrs. A.....	Fort Erie.....	Bertie
George, G.....	Fort Erie.....	Bertie
Grand Gas Co.....	Dunnville.....	Moulton
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited....	Grimsby.....	Caistor, Gainsboro and Can- boro
Haidon & MacDonald	Chippawa	Willoughby
Haidon, L. & P.	Chippawa	Willoughby
Haldimand Gas Syndicate	Cayuga	Rainham and Cayuga North
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Highbank Oil Limited.....	Chatham	Raleigh
High Grade Natural Gas Company Ltd.....	Chatham	Dover
Hock, Albert	Wainfleet.....	Wainfleet
Horton, A.	Port Colborne.....	Humberstone
Houk Syndicate	Dunnville	Moulton
House, C. C.....	Stevensville	Bertie
Imperial Oil Ltd.....	56 Church St., Toronto.....	Moore, Sombra, Raleigh and Dover
Jackson, P. L. ²	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn and Cayuga South
Jenkins, S. S.	Fort Erie.....	Bertie and Townsend
Kerr, Robert.....	York.....	Senaca
Kin-Mar Gas Syndicate ²	Fort Erie.....	Bertie and Willoughby
Kinsey, L. & O.	Lowbanks	Sherbrooke
Kramer & Bates.....	Port Colborne.....	Humberstone
Kramer, Harry	Port Colborne.....	Humberstone
Lake Erie Gas Syndicate.....	54 Hambly Ave., Toronto.....	Rainham
Lake Shore Gas & Oil Syndicate	Ridgeway	Bertie
Lake Shore Gas Company	20 Duke St., Hamilton	Dunn
Lapp & Arendt.....	Stevensville	Bertie
Leamington, Town of ¹	Leamington.....	
Lincoln Natural Gas Co. Ltd.....	Dunnville	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited	139 Lake Shore Drive, Toronto.....	Cayuga South
London, City of, Gas Company ¹	London	
Lymburner Bros. and Webber.....	Dunnville	Cayuga North, Rainham and Walpole
MacAnn Well Syndicate	Fort Erie.....	Bertie

Directory of Firms in the Natural Gas Industry, 1953 - Continued

Name	Address	Location of field
Ontario - continued:		
Maguire, J.....	Clifford.....	Walpole and Woodhouse
Makaton, John.....	Fort Erie.....	Bertie
Manock Gas Syndicate.....	Fort Erie.....	Bertie
Maple Leaf Gas Syndicate.....	Ridgeway.....	Bertie
McIntyre & Hawkins.....	Fort Erie.....	Humberstone
McKechnie, S., Estate.....	Dunnville.....	Walpole
Medina Gas Syndicate.....	Welland.....	Crowland
Mehlenbacher, L. B., Gas Syndicate.....	Cayuga.....	Cayuga North, Rainham and Walpole
Meyers, Paul.....	Fort Erie.....	Willoughby
Minor & Luck.....	Barrie.....	Sherbrooke
Mitchell, S. T.....	Dunnville.....	Dunn
Mohawk Gas & Oil Syndicate Limited.....	421 Main St. E., Hamilton.....	Oneida and Walpole
Monarch Gas & Oil Syndicate.....	Fisherville.....	Walpole, Dunn and Cayuga South
Morningstar, Roy.....	Ridgeway.....	Bertie
Mulgrave Gas Syndicate.....	Stevensville.....	Bertie
Nagel, Elmer.....	Stevensville.....	Bertie
Neff, R.....	Sherkston.....	Humberstone
Nevada Gas Syndicate.....	Fort Erie.....	Thorold
Niagara Gas Syndicate.....	Fisherville.....	Bertie
Niece, Elmond.....	Dunnville.....	Sherbrooke
Niece Bros.....	Dunnville.....	Sherbrooke
Norotto Gas Company Limited ¹	Norwich.....	Sherbrooke
North Cayuga Gas Co.....	King & Hughson Sts., Hamilton.....	Cayuga North
North Shore Gas Co.....	Selkirk.....	Rainham
Noyes, L. A.....	Stevensville.....	Willoughby
Palsco, J.....	Wainfleet.....	Wainfleet
Patterson & Culver.....	Dunnville.....	Dunnville
Peacock Point Gas & Oil Syndicate.....	Fisherville.....	Walpole
Petrol Oil & Gas Co. Ltd.....	414 Bay St., Toronto.....	Oneida, Onondaga and Tusca- rora
Port Colborne-Welland Gas Co.....	Port Colborne.....	Senaca, Cayuga North, Oneida and Onondaga
Prairie Gas & Oil Co. Limited.....	350 Bay St., Toronto 1.....	Dover
Provincial Gas Company Limited.....	Fort Erie.....	Humberstone, Willoughby, Bertie and Crowland
Purcifer, R.....	Stevensville.....	Humberstone
Queenston Gas & Oil Co. Ltd.....	Fort Erie.....	Willoughby, Walsingham South, Oneida and Woodhouse
Rae, Robert.....	Niagara Falls.....	Humberstone
Raydis Oil & Gas Company Limited.....	118 King St. W., Chatham.....	Norfolk
Reicheld, F. W. ²	Jarvis.....	Walpole
Richmount Developments Ltd.....	Ridgeway.....	Bertie
Riverside Syndicate.....	Welland.....	Welland
Romney Gas & Oil Co. Ltd.....	18 Toronto St., Toronto.....	Wainfleet
Roth, Frank.....	Ridgeway.....	Bertie
Round, Mrs. J. S.....	Fort Erie.....	Bertie
Royal Gas Syndicate.....	Stevensville.....	Bertie
Ruegg, J. A.....	Ridgeway.....	Bertie
Sandusk Gas Syndicate.....	Fisherville.....	Walpole

Directory of Firms in the Natural Gas Industry, 1953 - Continued

Name	Address	Location of field
Ontario - concluded:		
Shank & Snively	Hagersville	Oneida
Sherbrooke Gas Syndicate.....	Dunnville.....	Sherbrooke
Sherk & Carrothers.....	Sherkston.....	Humberstone
Sherk & Learn.....	Sherkston.....	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherkston Gas Syndicate.....	Sherkston.....	Humberstone
Shurr, Ivan.....	Cayuga.....	Rainham
Siddall, McKeown & Siddall	Port Maitland	Dunn
Slder, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston.....	Humberstone
Sider, Ralph ²	Ridgeway.....	Moulton and Bertie
Smith & Ehde	Lowbanks	Moulton and Dunn
Southern, J.....	Welland	Crowland
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Star Gas Syndicate.....	Ridgeway.....	Crowland, Humberstone and Bertie
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin ²	Jarvis.....	Bertie and Thorold
Sundy Natural Gas Co.	Dunnville.....	Canboro
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate.....	Fort Erie	Bertie
Tanke, E.	16 Irving Place, Buffalo, N.Y., U.S.A.	Thorold, Bertie and Humberstone
Tri-County Gas & Oil Co. Ltd.	Tillsonburg	Norwich South
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited..	Chatham.....	Tilbury, D'Clute, Dover, Dawn, Camden Gore, Zone, Haldimand and Chatham
Valencourt Gas Syndicate.....	Welland	Thorold
Valencourt, L.	Welland	Thorold
Victory Gas Syndicate.....	Huron & Erie Bldg., London.....	Windham
Wale, H.....	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga.....	Walpole, Cayuga North and Senaca
Walter Gas Syndicate Ltd. ²	Simcoe	Woodhouse, Townsend, Walsingham South and Walpole
Warren Gas Syndicate	Cayuga.....	Bayham and Dereham
Warren, G.	Tillsonburg	
Weaver, Frank.....	Port Colborne	Humberstone
Welland County Gas Syndicate.....	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Western Ashley Minerals Ltd.	Wyoming.....	Aldborough and Mosa
Wilkinson Gas Syndicate.....	Fort Erie	Thorold
Willick, J.S.	Stevensville	Willoughby
Zielski, E. & M.....	Port Colborne	Wainfleet
Zuba, Andrew	Stevensville	Willoughby
Saskatchewan:		
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary, Alta.....	Gull Lake
Bata Petroleums Ltd.	310 Broder Bldg., Regina.....	Unity

Directory of Firms in the Natural Gas Industry, 1953 - Continued

Name	Address	Location of field
Saskatchewan - concluded:		
Consolidated Peak Oils Limited.....	569 Howe St., Vancouver, B.C.	Lloydminster
Husky Oil & Refining Ltd.....	630-8th Ave. W., Calgary, Alta.	Lloydminster
Lloydminster Development Co. Ltd.....	Lloydminster	Lloydminster
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Lone Rock Gas Company	Lloydminster	Lone Rock
Malone, J. C.....	712 McCallum Hill Bldg., Regina.....	Lloydminster
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alta.	Coleville
Alberta:		
Ajax Petroleums Limited	302 Bay St., Toronto, Ont.	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
American Leduc Petroleums Ltd.	101 Alexandra Bldg., Edmonton	Leduc and Bashaw
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Argus Royalties Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Various
Bonnyville Gas Company Limited.....	Bonnyville	Bonnyville
British American Oil Company Limited ⁴ ..	Royal Bank Bldg., Toronto, Ontario.....	Turner Valley, Redwater and Leduc
British American Oil Co. Ltd.....	Bay & College Sts., Toronto, Ont.	Various
British Petroleums Ltd.	404-6th Ave. W., Calgary	Leduc-Woodbend
Calmont Oils Limited	906 Lancaster Bldg., Calgary.....	Turner Valley and Leduc
Calwin Royalties Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Canadian Delhi Oil Ltd.....	1004 Barron Bldg., Calgary.....	Picardville
Canadian Pacific Railway Company.....	Montreal, Quebec.....	Medicine Hat
Canadian-Montana Gas Co. Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte, Pendant d'Oreille, and Smith Coulee
Canadian Western Natural Gas Company Limited	215-6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co. Ltd.	Redcliff.....	Redcliff
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley
Consolidated East Crest Oil Co. Ltd.	735-8th Ave. W., Calgary	Turner Valley
Dalhousie Oil Company Limited	35 Dominion Bank Chambers, Edmonton ...	Turner Valley
Department of National Defence	Suffield	Suffield
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal, Quebec ..	Medicine Hat
Elk Point Gas Co. Ltd.	Elk Point	Elk Point
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Gem Royalties Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley
Gunderson Brick & Coal Co. Ltd.....	Redcliff.....	Redcliff
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley and Leduc
Hudson's Bay Oil & Gas Company Limited	534-8th Ave. W., Calgary	Viking-Kinsella, Turner Valley, Leduc
Husky Oil & Refining Ltd.....	630-8th Ave. W., Calgary	Lloydminster

Directory of Firms in the Natural Gas Industry, 1953 - Concluded

Name	Address	Location of field
Alberta - concluded:		
Imperial Oil Limited	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chambers, Edmonton ...	Fabyan
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster and Dina
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	Medicine Hat	Medicine Hat
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Mic Mac Oils, Ltd.	11536 Jasper Ave., Edmonton	Leduc
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
National Petroleum Corporation Limited ..	401 Leeson-Lineham Bldg., Calgary	Turner Valley, Del Bonita and Spring Coulee
New British Dominion Oil Company Limited	304 Toronto General Trusts Bldg., Calgary	Stettler
New Continental Oil Co. of Canada Ltd. ..	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleums Limited	409 Lancaster Bldg., Calgary	Turner Valley
Newfold Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Northwell Operators Limited	900 Lancaster Bldg., Calgary	Redwater
Northwestern Utilities Limited	10124-104 St., Edmonton	Viking-Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Quebec	Medicine Hat
Okalta Oils Limited	516-10th Ave. W., Calgary	Turner Valley and Leduc
Pacific Petroleums Ltd.	700 Petroleum Bldg., Calgary	Redwater, Armena and Peace River
Petcal Limited	528-9th Ave. W., Calgary	Various
Redcliff Premier Brick Co. Ltd.	Redcliff	Redcliff
Redcliff Pressed Brick Co., Ltd.	Redcliff	Redcliff
Renown Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ⁴	606-2nd St. W., Calgary	Turner Valley
St. Paul Utilities Ltd.	9656 Jasper Ave., Edmonton	St. Paul
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Shaw, R.	Lloydminster	Lloydminster
Shell Oil Company of Canada Ltd.	25 Adelaide St., Toronto, Ontario	Jumping Pound
Southwest Petroleum Company	232 Lougheed Bldg., Calgary	Turner Valley
Suffield Gas Supply	Suffield	Suffield
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Taylor Petroleum Operators Ltd.	627-8th Ave. W., Calgary	Leduc
Tilley Gas Co. Ltd.	Tilley	Tilley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Valley Gas Company Limited ¹	Box L, Turner Valley	
Vanpeg Royalties #1	301 Lancaster Bldg., Calgary	Turner Valley
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton	
Western Petroleum Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc-Woodbend
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Yorkton Investors Syndicate	Yorkton	Lloydminster
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman



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