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CENSUS OF INDUSTRY

MINING, METALLURGICAL & CHEMICAL BRANCH

**THE
NATURAL GAS INDUSTRY
IN
CANADA
1944**



**OTTAWA
1946**

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THE NATURAL GAS INDUSTRY IN CANADA, 1944

Production of natural gas in Canada during 1944 totalled 45,067,158 thousand cubic feet valued at \$11,422,541, compared with 44,276,216 thousand cubic feet worth \$13,159,418 in 1943. Of the 1944 output, 37,161,570 thousand cubic feet valued at \$6,339,817 originated in the province of Alberta, 7,082,508 thousand cubic feet valued at \$4,694,097 in Ontario and the balance in New Brunswick, Saskatchewan and Northwest Territories.

During the year under review, there were 211 firms reporting natural gas production from a total of 3,621 active wells. Employees numbered 1,810 and \$2,885,654 were distributed in salaries and wages. The cost of fuel and electricity used totalled \$188,003 and process supplies consumed amounted to \$13,149.

The following information was abstracted from a report on Natural Gas in 1944 as prepared by the Bureau of Mines, Ottawa:

"Natural gas occurs in most provinces. It is produced commercially in abundance in Alberta and Ontario, and in smaller quantities in New Brunswick, Saskatchewan and Quebec.

"Natural gas occurs in sedimentary rocks, either in limestones, usually dolomitic and cavernous, or in sands and sandstones. The principal Canadian sources are in rocks of Palaeozoic age, the chief sources of supply being the Turner Valley field in Alberta, fields in Kent and Haldimand counties in Ontario, and the Stony Creek field in New Brunswick. Natural gas is also produced in Alberta and Saskatchewan in considerable quantity from Cretaceous sandstones. The foregoing productive areas have been generally defined for some time. No outstanding new finds contributed to the production in 1944, but at the close of the year what appears to be an important discovery was made at Jumping Pound, 20 miles west of Calgary, in Alberta.

"In New Brunswick, the Stony Creek field continued to supply Moncton and Hillsborough and certain localities in Albert and Westmorland counties with natural gas. Three new wells were drilled, two were deepened, and four were abandoned. Total new production measured in terms of initial production amounted to 1,636 M cubic feet. The geophysical survey of 1943 was continued into 1944.

"In Quebec, natural gas is produced in small quantities at several shallow wells along the St. Lawrence River and is used locally.

"In Ontario, drilling was principally active in Haldimand county, where new wells were brought into production in Walpole, Oneida, and South Cayuga townships, and in Norfolk county, notably in Townsend township. These wells were mostly in proven territory. New ground was developed in Zone township, Kent county, where a number of producing wells were completed just north of the old Bothwell oilfield. Very little drilling in unproved areas occurred elsewhere and no results were recorded.

"In Saskatchewan, the eastern part of the Lloydminster field supplied the town of Lloydminster from 5 wells. In the Kamsack area 7 wells were drilled, 2 of which got production. Kamsack Gas and Oil Company replaced its 2-inch line with a 5-inch line, which was connected to 11 shallow wells. Three other small wells supplied the needs of farmers. Other wells were being drilled in both these areas. Geological and geophysical work was again being done and drilling was done in many localities.

"In Alberta, the Turner Valley field furnished fuel for the operations in the field itself; to the cities and districts of Calgary and Lethbridge; and raw material to the nitrogen plant in Calgary. For several years the drilling of gas wells in this field has been unnecessary, as the gas is largely derived from the production of petroleum in which the gas plays a vital role. The gas/oil ratio of many of these oil wells, particularly in the southern part of the field, where effective measures of conservation were applied too late in their life, has risen so much that in some cases they have had to be reclassified as gas wells, thus augmenting the reserve of gas.

Production of Alberta, by Fields*

	1943	1944
	M cu.ft.	M cu.ft.
Turner Valley		
Shallow wells	45,789	42,840
Limestone gas wells	16,344,113	11,396,668
Limestone oil wells	27,850,290	29,947,394
Less gas repressured by British American Oil	...	9,374
	<u>44,240,192</u>	<u>41,377,528</u>

Production of Alberta, by Fields*
(concluded)

	1943 M cu.ft.	1944 M cu.ft.
Foremost	298,782	38,228
Viking	1,742,686	1,858,585
Kinsella	4,582,218	5,172,263
Medicine Hat	2,998,155	3,227,006
Redcliff	682,158	822,282
Other fields	564,509	768,389
	<u>55,108,700</u>	<u>53,264,281</u>

* Information from Petroleum and Natural Gas Conservation Board.

"These figures are considerably larger than those of the Dominion Bureau of Statistics, which are for consumption only. Production, therefore, still remained much in excess of consumption, although the waste of gas in Turner Valley was further reduced by over 12 per cent. Ever since Royallite No. 4 well demonstrated the existence of a big gas field in Turner Valley the need for preventing this waste has been recognized, but technical and economic difficulties arose. Steady progress has been made in recent years, however. The Provincial Government, during the year, established the Natural Gas Utilities Board to put into effect recommendations made in the report of Thomas R. Weymouth in 1943. At the end of 1943, Madison Natural Gas Company was formed and this company, together with British American Oil Company, has been entrusted by the Board with the execution of the plan, which involves dismantling one of the existing natural gasoline plants and portioning the supply of gas among the remaining plants. It is hoped that when the scheme is fully working, the only gas wasted will be small quantities from oil wells producing intermittently. All gas produced and not required is to be returned underground either to the Turner Valley gas-cap or to the Bow Island field. Three wells are to be used as input wells in the south end of Turner Valley and four in the north. It is estimated that the scheme will add 60 per cent to the life of the field as a gas producer. The experiments in repressuring through Foundation well in the south end were discontinued at the beginning of the year and a start was made on the new scheme in December using the Carleton and Pacalta wells which were repressured 1 and 2 days respectively.

"Two important outlets exist for natural gas from Turner Valley, apart from its use as fuel. The plant of Alberta Nitrogen Company near Calgary, built by the Consolidated Mining and Smelting Company of Canada to make military explosives and using natural gas and electric power, was found to have a capacity in excess of the demand for explosives, and owing to a shortage of commercial fertilizer, this has resulted in its being used in part for the manufacture of fertilizers for home and foreign markets. The other outlet is as a source of iso-butane, which is processed in the alkylation plant together with butylene obtained from Imperial Oil and British American refineries. The iso-butane is recovered in the absorption plants with most of the normal butane, but the proportion of the latter is insufficient to render an isomerization plant economical and it goes into the motor gasoline.

"The gas fields at Viking, 80 miles southeast of Edmonton, and at Kinsella farther east, supply the Edmonton area, the Kinsella field being the principal source of supply. Two wells were completed in the field in 1944 and in December 17 wells were producing at Viking and 14 at Kinsella. In December 39 gas wells were producing in the Medicine Hat field and 13 in the Redcliff field."

Table 1 - PRODUCTION(x) OF NATURAL GAS IN CANADA, BY PROVINCES, 1943 and 1944

Province	1 9 4 3	Value	1 9 4 4	Value
	M cu.ft.		M cu.ft.	
		\$		\$
New Brunswick	675,029	327,787	702,464	341,636
Ontario	7,914,408	6,543,913	7,082,508	4,694,097
Saskatchewan	116,201	45,568	119,116	46,656
Alberta	35,569,078	6,241,815	37,161,570	6,339,817
Northwest Territories	1,500	335	1,500	335
CANADA	<u>44,276,216</u>	<u>13,159,418</u>	<u>45,067,158</u>	<u>11,422,541</u>

(x) Sold and used by producer.

Table 2 - PRODUCTION(x) OF NATURAL GAS IN CANADA, 1935-1944

Year	M cu.ft.	Value	Year	M cu.ft.	Value
		\$			\$
1935	24,910,786	9,363,141	1940	41,232,125	13,000,593
1936	28,113,348	10,762,243	1941	43,495,353	12,665,113
1937	32,380,991	11,674,802	1942	45,697,359	13,301,655
1938	33,444,791	11,587,450	1943	44,276,218	13,159,418
1939	35,185,146	12,507,307	1944	45,067,158	11,422,541

(x) Sold or used by producer.

Table 3 - PRODUCTION(a) OF NATURAL GAS IN CANADA, BY MONTHS, 1944

Month	New Brunswick	Ontario	Saskatchewan (M cu.ft.)	Alberta	CANADA
January	86,621	897,194	15,247	4,156,349	5,155,411
February	75,862	831,216	17,281	4,127,723	5,052,082
March	74,538	744,622	16,038	4,146,315	4,981,513
April	73,618	771,342	7,402	3,130,820	4,043,182
May	60,286	462,018	5,226	2,577,088	3,104,618
June	47,094	413,406	4,742	2,212,626	2,677,868
July	35,988	322,641	3,027	2,062,633	2,424,789 (b)
August	27,819	318,023	4,149	2,043,271	2,393,762 (b)
September	33,909	382,054	5,331	2,212,868	2,634,712 (b)
October	48,580	469,557	7,576	2,527,982	3,053,695
November	68,554	656,026	14,973	3,658,539	4,398,092
December	69,595	814,409	18,074	4,245,356	5,147,434
TOTAL	702,464	7,082,508	119,116	37,161,570	45,067,158

(a) Includes production from Fort Norman, Northwest Territories.

(b) Sales and consumption by producers.

Table 4 - NATURAL GAS PRODUCTION IN ONTARIO, BY FIELDS, 1943 and 1944

County	Field	1 9 4 3	1 9 4 4
		(M cu. ft.)	
Essex	Kingsville	28,732	52,949
	(Tilbury, Romney and Raleigh	2,445,565	2,108,473
	(Declute	475,567	362,310
Kent	(Dover	220,133	181,211
	(Chatham	313,231	336,852
	(Zone .....	...	277,920
Lambton	(Dawn .....	...	...
	(Oil Springs	1,102,072	685,845
Middlesex	Mosa .....	...	...
	(South Norwich	3,730	1,065
Oxford	(Brownsville (x)	51,718	37,391
Elgin	Bayham	7,082	22,374
Elgin	(Bayham	87,091	39,652
	(Malahide	240,399	242,806
Norfolk	Norfolk .....	...	...
Lincoln	Lincoln	2,470,967	2,267,075
Haldimand	Haldimand .....	...	...
Wentworth	Wentworth	296,016	311,417
Welland	Welland .....	...	...
Brant	Onondaga, Brantford and	38,105	81,168
	Tuscarora .....	...	...
Prince Edward	Hallowell	14,000	14,000
Wells in surface drift	Harwich and Howard Tps. ...	60,000	60,000
Private wells .....	.....	...	...
	TOTAL PRODUCED	7,914,408	7,082,508

(x) Dereham Tp. - 27,108 M cu.ft.; Bayham Tp. - 10,283 M cu.ft. ... 1944

(x) Dereham Tp. - 36,710 M cu.ft.; Bayham Tp. - 15,008 M cu.ft. ... 1943

Table 5 - PRINCIPAL STATISTICS OF THE NATURAL GAS INDUSTRY IN CANADA, 1944

	New Brunswick and Saskatchewan	Ontario	Alberta	CANADA
Number of firms	3	186	22	211
Number of wells	44	3,458	119	3,621
Number of employees—On salary ..	24	666	298	988
On wages ...	56	568	198	822
Total ...	80	1,234	496	1,810
Salaries and wages—Salaries \$	42,978	1,082,262	619,273	1,744,513
Wages \$	87,174	728,709	325,258	1,141,141
Total ... \$	130,152	1,810,971	944,531	2,885,654
Selling value of products (gross) \$	407,376	4,694,097	4,670,884	9,772,357
Cost of fuel and electricity \$	13,988	133,987	40,028	188,003
Process supplies used \$	1,200	144,936	1,000	13,149
Selling value of products (net).. \$	392,188	4,549,161	4,629,856	9,571,205

NOTE: The small estimated production of natural gas in Northwest Territories represents the quantity used by one producer—no general statistics relating to its use are available.

Table 6 - WAGE-EARNERS, BY MONTHS, 1943 and 1944 (On the last work-day of each month)

Month	1 9 4 3			1 9 4 4		
	Male	Female	TOTAL	Male	Female	TOTAL
January	678	14	692	685	12	697
February	678	10	688	681	14	695
March	675	15	690	678	12	690
April	687	15	702	709	13	722
May	784	14	798	761	13	774
June	862	16	878	830	16	846
July	945	19	964	945	13	958
August	932	18	950	958	13	971
September	898	20	918	927	14	941
October	824	21	845	896	12	908
November	776	19	795	819	10	829
December	708	16	724	724	11	735
AVERAGE	883	16	899	808	14	822

Table 7 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1943 and 1944 (In one week in month of highest employment; overtime included)

Hours Worked per Week	Number of Wage-earners			
	1 9 4 3		1 9 4 4	
	Male	Female	Male	Female
30 hours or less	142	6	149	8
31-43 hours	100	6	47	4
44 hours	100	2	107	2
45-47 hours	57	...	23	2
48 hours	227	2	288	4
49-50 hours	19	...	33	...
51-54 hours	125	4	170	...
55 hours	4	...	6	...
56-64 hours	175	...	162	...
65 hours and over	69	...	53	...
TOTAL	1,018	20	1,038	20
Total wages paid in selected week \$	25,175	400	28,761	417

Natural Gas

- 5 -

Table 8 - FUEL AND ELECTRICITY USED, 1943 and 1944

Kind	Unit of measure	1 9 4 3		1 9 4 4	
		Quantity	Value	Quantity	Value
			\$		\$
Bituminous coal—Canadian	short ton	12	139	60	653
Imported	short ton	100	1,376	38	529
Anthracite coal—Imported	short ton	5	70	20	260
Gasoline	Imp.gal.	53,743	15,186	58,587	17,050
Fuel oil and diesel oil	Imp.gal.	510	63	507	61
Wood	cord	2	31	...	...
Natural gas	M cu. ft.	906,442	160,828	1,035,060	168,390
Electricity purchased	K.W.H.	61,736	4,148	22,482	1,060
TOTAL .....	...	...	181,841	...	188,003

Table 9 - POWER EQUIPMENT, 1944

Description	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total horse power	Number of units	Total horse power
Steam engines	4	140	...	...
Steam turbines	4	80	...	...
Diesel engines .....	...	...	...	...
Gasoline, gas and oil engines, other than Diesel engines	261	8,661	4	115
Hydraulic turbines or water wheels .....	...	...	...	...
Electric motors -				
(a) Operated by purchased power	95	1,040	...	...
Total	364	9,921	4	115
(b) Operated by power generated by above primary units	11	185	...	...
Stationary boilers	22	1,573	...	...
Motor generator sets	4	202	...	...

Table 10 - NATURAL GAS PIPELINE MILEAGE IN CANADA, 1943 and 1944

Province	Actual Miles of Mains				Miles of Equivalent 3" Mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1943	1944	1943	1944	1943	1944	1943	1944
New Brunswick	20	20	65	65	36	36	73	73
Ontario	2,316	2,325	2,530	2,382	3,886	3,901	2,745	2,578
Saskatchewan .....	...	...	6	6	...	...	4	4
Alberta	697	692	628	626	2,261	2,250	1,178	1,184
CANADA	3,033	3,037	3,229	3,079	6,183	6,187	4,000	3,839

Table 11 - SALES ONLY OF MANUFACTURED AND NATURAL GAS IN CANADA, 1943 and 1944

	1 9 4 3			1 9 4 4		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu.ft.	\$		M cu.ft.	\$
Manufactured Gas						
Domestic	473,992	10,711,654	12,297,425	488,653	12,098,351	13,334,020
House heating	5,289	1,267,416	695,936	5,864	1,333,339	731,868
Industrial	3,138	5,543,653	3,091,942	3,236	5,786,717	3,435,914
Commercial	26,789	3,492,052	3,106,550	29,056	3,671,522	3,253,155
Miscellaneous	115	69,471	65,929	116	47,350	46,562
TOTAL	509,323	21,084,246	19,257,782	526,925	22,937,279	20,801,519
Natural Gas						
Domestic	182,650	14,480,386	7,048,029	186,269	14,565,801	7,081,369
Industrial	1,130	7,589,289	1,970,650	1,122	6,144,211	1,851,076
Commercial	10,684	7,035,941	1,892,627	10,932	7,410,938	1,888,976
Miscellaneous	509	564,635	41,297	506	1,062,106	47,864
TOTAL	194,973	29,670,251	10,952,603	198,829	29,183,056	10,869,285
TOTAL—ALL GAS ...	704,296	50,754,497	30,210,385	725,754	52,120,335	31,670,804

Note: Sales figures represent sales by distributing companies to consumers. Amounts used by producers are not included.

DIRECTORY OF FIRMS IN THE NATURAL GAS INDUSTRY IN CANADA, 1944

- Note: (a) Drilling only.
 (b) Distributing only.
 (c) Drilling and producing.
 (d) Pipe line company.
 (e) Using or selling gas from absorption plant.

Name	Address	Location--Field
<u>New Brunswick -</u>		
Moncton Electricity and Gas Co. Ltd. (b)	700 Main St., Moncton	...
New Brunswick Gas & Oilfields Ltd.	Box 194, Moncton	Stoney Creek
<u>Ontario -</u>		
Achilles Oil & Gas Syndicate	67 Yonge St., Toronto	Woodhouse
Ajax Oil & Gas Co. Ltd.	371 Bay St., Toronto	Dover, Tuscarora and Middleton
Aloka Oil & Gas Co.	57 Queen St. W., Toronto	Dereham and Malahide
Amer-Can Oil & Gas Co.	215 King St. W., Chatham	Dover, Tilbury East and Walpole
Ashton, J. L. (a)	Chatham	...
Barnhart, Mrs. E.	Stevensville	Bertie
Bates, Norman	R. R. 1, Humberstone	Humberstone
Beachville Gas Syndicate (b)	Beachville	...
Beacon Natural Gas Syndicate	112 Locust St., Kitchener	Walpole
Beaver Oil & Gas Syndicate	67 Yonge St., Toronto	Walpole
Beaver Utilities Ltd. (b)	421 Richmond St., London	...
Beer, George	Binbrook	Binbrook
Belmont Gas Co. (b)	978 Church St., Windsor	...
Benn, A. S.	R. R. 1, Hagersville	Walpole
Benner, K. W.	Fisherville	Rainham and Walpole
Bertie Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Binbrook Gas Co.	Binbrook	Binbrook
Bliss, Douglas E.	Tillsonburg	Middleton
Brindley & Harper	Dunnville	Brantford
Broadway Gas Syndicate	R. R. 3, Cayuga	Walpole and Cayuga North
Buck, C. S.	Port Rowan	Walsingham South
Burchell Gas Syndicate	R. R. 2, Listowel	Woodhouse and Raleigh
Canada Cement Co. Ltd.	Box 290, Montreal, Que.	Wainfleet
Canadian Natural Gas Syndicate	Simcoe	Bayham and Moulton
Canfield Gas Syndicate	206 Douglas Blvd., Windsor	Cayuga North
Canfield Natural Gas Co.	Dunnville	Cayuga North
Cartwright, S. E.	1972 Penobscot Bldg., Detroit, (a) Mich., U.S.A.	Walpole
Central Ontario Gas & Oil Well Drilling Co.	Toronto	...
Central Pipe Line Co. Ltd.	Chatham	Bayham, Houghton and Malahide
Central Seneca Gas Syndicate	R. R. 3, Cayuga	Seneca
City Gas Company of London (b)	London	...
Colbert, M. A.	18 Sun Life Bldg., Hamilton	Walpole
Coleman, J. A.	Wellandport	Gainsboro
Columbia Natural Gas & Oil Co. Ltd.	907 Pigott Bldg., Hamilton	Dunn
Coronation Gas Syndicate	Stevensville	Bertie
Culver, M. & Son (a)	Rainham Centre	...
Dain City Gas Syndicate	208 Bugar St., Welland	Bertie and Humberstone
Dawson, Ralph	Merlin	Tilbury East
Dean Gas Syndicate	Fisherville	Middleton and Bayham
Delhi Gas Syndicate	Cayuga	Windham
Dereham Gas & Oil Co. Ltd.	67 Yonge St., Toronto	Oneida, Walpole, Rainham and Walsingham South
Dominion Natural Gas Co. Ltd.	518 Jackson Bldg., Buffalo, N.Y. U.S.A.	Aldborough, Binbrook, Caistor, Canboro, Charlotteville, Delhi Village, Dunn, Glanford, Humberstone, Mersea, Middleton, Moulton,

DIRECTORY OF FIRMS IN THE NATURAL GAS INDUSTRY IN CANADA, 1944

(Continued)

Name	Address	Location--Field
<u>Ontario (Con.) -</u>		
Dominion Natural Gas Co. Ltd.	518 Jackson Bldg., Buffalo, N.Y., U.S.A.	Cayuga North, North Walsingham, Oneida, Onondaga, Port Dover Village, Port Rowan, Rainham, Raleigh, Romney, Senaca, Sher- brooke, South Cayuga, South Walsingham, Tilbury East, Townsend, Wainfleet, Walpole, Windham, Wood- house, North Dorchester, Malahide, Southwold, Yarmouth, South Norwich and West Oxford
Dorset Oil & Gas Syndicate	67 Yonge St., Toronto	Cayuga South
Drake & Walker	Walkerville	Malden
Dunn Natural Gas Co. Ltd.	81 St. Paul St., St. Catharines	Dunn and Sherbrooke
Dunnville-Detroit Gas Syndicate	206 Douglas Blvd., Windsor	Cayuga North
Economy Natural Gas Syndicate	25 Market Place, Stratford	Woodhouse
Elgin Prospecting Syndicate	Ridgeway	Humberstone
Elk Development Syndicate (c)	Cayuga South	Humberstone
Emerald Gas Syndicate	67 Yonge St., Toronto	Oneida
Emerson, Harry L. (c)	R. R. 1, Dunnville	Canboro, Moulton and Wainfleet
Emerson, Lloyd W. (a)	Wainfleet	...
Evans, Harry L. (a)	Tillsonburg	...
Featherstone, Roy	Caledonia	Oneida
Fisherville Gas Co.	Fisherville	Rainham
Fleet Aircraft Ltd.	Fort Erie	Bertie
Fletcher, Mrs. Eva	Glanford Station	Binbrook
Fonthill & Ridgetown Gas Co. Ltd. (b)	Box 511, Portland, Indiana, U.S.A.	...
Frontier Gas Syndicate	Fisherville	Bertie
Gas Producers Syndicate	206 Douglas Blvd., Windsor	Raleigh
Gifford, Arthur & Son	R. R. 2, Cayuga	Cayuga South
Glenny, D.	R. R. 5, Dunnville	Canboro
Grand River Gas & Oil Syndicate	Canfield	Cayuga North
Grimsby Natural Gas Co. Ltd.	Grimsby	Caistor, Gainsboro and Canboro
Haldimand Gas Syndicate	Cayuga	Rainham
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Highbank Oil Ltd.	Chatham	Raleigh
Hoover, A. E. (a)	Selkirk	...
Hoover & Donald (a)	Selkirk	...
Houk Gas Syndicate	Dunnville	Moulton
House, C. C. (c)	Stevensville	Bertie
Hussey, Wm. J. (a)	Petrolia	...
Ideal Gas Syndicate	R. R. 2, Fisherville	Rainham
Ivy Drilling Co. (a)	Dunnville	...
Jackson, Percy L. (c)	Dunnville	Moulton, Canboro, Cayuga North, Walpole and Crowland
Jackson & Graff	Dunnville	Crowland
Jasperson, Bon	Kingsville	Gosfield South and Romney
Jenkins, Stanley S.	282 W. North St., Buffalo, N.Y., U.S.A.	Townsend and Bertie
Kent Gas Co.	36 Toronto St., Toronto	Walpole
Kerr, R.	York	Senaca
Kiser Bros. (a)	Chatham	...
Lake Erie Gas Syndicate	54 Hambly Ave., Toronto	Rainham
Lake Shore Gas & Oil Syndicate	Stevensville	Bertie

DIRECTORY OF FIRMS IN THE NATURAL GAS INDUSTRY IN CANADA, 1944
(Continued)

Name	Address	Location--Field
<u>Ontario (Con.) -</u>		
Lauer, D. G. (a)	Tillsonburg	...
Leamington, Town of (b)	Leamington	...
Lincoln Natural Gas Co. Ltd.	Fort Erie North	Canboro, Gainsboro, Wainfleet, Caistor and Moulton
Lindsay-McDougal Estate	279 St. George St., Toronto	Rainham
Little, R. W.	222 Humbercrest Blvd., Toronto	Walpole, Rainham, Onondaga and Brant
Locators Oils Ltd.	22 King St. W., Toronto	Cayuga South and Middleton
Lomac Gas Co.	Port Stanley	Bayham
Lymburner Bros. & Webber (c)	Dunnville	Cayuga North, Rainham and Walpole
Maple Leaf Gas Syndicate	Stevensville	Crowland and Humberstone
McCutcheon, T. J. (a)	Dunnville	...
McKachnie, S. (c)	Dunnville	Senaca, Walpole and Bayham
McLister, J. J. (a)	Dunnville	...
McMaster, W. R. (a)	Caledonia	...
Mehlenbacher, L. B.	R. R. 3, Cayuga	Senaca, Walpole and Cayuga North
Midfield Gas Corp. Ltd.	68 Yonge St., Toronto	Cayuga North and Oneida
Minor & Luck	Chaltenham	Sherbrooke
Mohawk Gas & Oil Syndicate Ltd.	421 Main St., Hamilton	Canboro, Oneida and Walpole
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga North
Morningstar, Roy	Stevensville	Bertie
Mott, G. L. & Associates (c)	Lynden	Beverly
Nagal, E. (a)	Stevensville	...
Nelles Corners Gas Co.	Hagersville	Rainham and Cayuga North
Niagara Gas Syndicate	Fisherville	Bertie
Niagara Natural Gas Co. Ltd.	24 Jarvis St., Fort Erie North	Moulton
Niece, Elmond	Dunnville	Sherbrooke
Norotto Gas Co. Ltd. (b)	Norwich	...
North Cayuga Gas Syndicate	231 Rawson Rd., Brookline, Mass., U.S.A.	Cayuga North
North Shore Gas Co.	Salkirk	Rainham
Noyes, L. A.	Stevensville	Willoughby
Oil Springs Oil & Gas Co. Ltd. (b)	Oil Springs	...
Oxford Pipe Line Co. (b)	100 Adelaide St. W., Toronto	...
Patterson & Culver (c)	Dunnville	Oneida
Patterson, W. C., Gas Co. Ltd. (c)	Jamestown, N.Y., U.S.A.	Dunn, Walpole, Willoughby, Rainham, Cayuga North, Crowland, Humberstone, Bayham, Dereham and Wainfleet
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Perkins, J. E. (a)	Dunnville	...
Petrol Oil & Gas Co. Ltd.	414 Bay St., Toronto	Dover, Oneida, Onondaga and Tuscarora
Pine Ridge Gas Co. Ltd.	Port Stanley	Bayham
Port Colborne Welland Gas Co. (c)	Port Colborne	Onondaga, Oneida, Senaca and Cayuga North
Povec Gas Syndicate	Tillsonburg	Canboro
Prairie Gas & Oil Co. Ltd.	350 Bay St., Toronto	Dover
Provincial Gas Co. Ltd.	Fort Erie North	Humberstone, Willoughby, Bertie and Crowland
Purcifer & Ferguson	Stevensville	Humberstone
Rainham Gas Syndicate	Cayuga	Rainham
Reicheld, F. W.	Jarvis	Walpole
Ricker, Arthur (c)	Canboro	Canboro
Riley, J. V.	162 Talbot St., Simcoe	Moulton
Rocks Mill Oil & Gas Syndicate	510 Huron & Erie Bldg., London	Norwich South
Romney Oil & Gas Co.	18 Toronto St., Toronto	Tilbury East, Romney and Wainfleet

DIRECTORY OF FIRMS IN THE NATURAL GAS INDUSTRY IN CANADA, 1944

(Continued)

Name	Address	Location--Field
<u>Ontario (Con.) -</u>		
Roth, F. and H. (c)	R. R. 9, Dunnville	Bertie and Dunn
Rowe, E. P. Estate	403 Atlas Bldg., 350 Bay St., Toronto	Bayham, Dover East, Middle- ton and Raleigh
Royal Gas Syndicate	Stevensville	Bertie
Salina Gas Co. Ltd.	317 Queen St., Chatham	Tilbury East
Sandusk Gas Syndicate	Fisherville	Walpole
Sarnia Oil & Gas Co.	350 Bay St., Toronto	Anniskillen and Sarnia
Shank Bros. (a)	Rainham Centre	...
Sherk & Carrothers	Sherkston	Humberstone
Sherk & Learn	Sherkston	Humberstone
Sherk & Nagel	Stevensville	Bertie
Sherk, Perry M.	Sherkston	Humberstone
Shurr & Shank	R. R. 1, Jarvis	Rainham and Oneida
Sider, Andrew & Jesse	Stevensville	Bertie
Sider, Norman	Sherkston	Bertie and Humberstone
Smith & Ehde (c)	R. R. 1, Lowbanks	Moulton
South Norwich Gas & Oil Syndicate	Norwich	Norwich South
Sparton Gas & Oil Syndicate	67 Yonge St., Toronto	Cayuga South
Springvale Gas & Oil Co. Ltd.	Hagersville	Walpole
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Stanley Gas Syndicate	922 Millwood Rd., Toronto	Walpole, Rainham and Sher- brooke
Star Gas Syndicate	Ridgeway	Bertie
Sterling Gas Co.	Guelph	Walpole
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin	R. R. 3, Jarvis	Walpole
Stewart & Stewart	R. R. 3, Jarvis	Walpole
Storm & Stewart	R. R. 1, Sherkston	Humberstone
Stover, F. H., and Associates	350 Bay St., Toronto	Dover and Raleigh
Stromwell Gas Co.	Tillsonburg	Moulton
Stubble, H. H. (a)	Chatham	...
Sundy Gas Wells	Dunnville	Canboro
Superior Gas Syndicate	Fisherville	Rainham
Swayze & Nauman (a)	R. R. 5, Simcoe	...
Sweets Corners Gas Syndicate	Fisherville	Rainham
Swent, Wm. (a)	Rainham Centre	...
Tanner, F. O.	135 General Motors Bldg., Detroit, Mich., U.S.A.	Cayuga North and Oneida
Till Gas Syndicate	Tillsonburg	Walpole
Tillsonburg (New) Oil & Gas Co. Ltd.	26 Adelaide St. W., Toronto	Middleton
Union Gas Co. of Canada Ltd.	Chatham	Romney, Tilbury East, Raleigh, Dover, Dawn, Camden Gore, Zone, Mosa, Dunn, Cayuga North, Rain- ham, Seneca, Cayuga South, Walpole, Oneida, Chatham, Malahide, Westminster, Harwich and Brooke ...
United Gas & Fuel Co. of Hamilton Ltd. (b)	82-84 King St. E., Hamilton	
Victoria Gas Syndicate	Dunnville	Rainham and Walpole
Victory Oil & Gas Co.	510 Huron & Erie Bldg., London	Windham
Wainfleet Gas Co. Ltd.	Box 914, Jamestown, N.Y., U.S.A.	Wainfleet
Walpole Gas Syndicate	Cayuga	Walpole and Cayuga North
Walter Gas Syndicate Ltd. (c)	Simcoe	Townsend, Walsingham South, Woodhouse, Middleton and Walpole
Welland County Gas Syndicate	Stevensville	Bertie
Wentworth Gas Co. Ltd. (b)	82-84 King St. W., Hamilton	...
West Petroleum Ltd.	372 Bay St., Toronto	Romney
Western Ontario Natural Gas Co. Ltd.	81 St. Paul St., St. Catharines	Canboro, Cayuga North, Dunn, Bayham and Dereham

DIRECTORY OF FIRMS IN THE NATURAL GAS INDUSTRY IN CANADA, 1944

(Continued)

Name	Address	Location--Field
<u>Ontario (Con.) -</u>		
Willoughby Gas Syndicate	R. R. 1, Chippawa	Humberstone
Windham Plantation Tobacco Co.	Delhi	Windham
Wood, Ray	61 Inches Ave., Chatham	Mosa and Townsend
<u>Saskatchewan -</u>		
Lloydminster Gas Co. Ltd.	Lloydminster	Lloydminster
Northern Utilities Ltd.	Lloydminster	Lloydminster
<u>Alberta -</u>		
Ace Royalties Ltd.	4 Clarence Block, 122 8th Ave. W., Calgary	Turner Valley
Advance Oil Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Alberta Clay Products Co. Ltd.	Box 672, Medicine Hat	Medicine Hat
Alberta Oil Incomes Ltd.	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Allied Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Ltd.	902 Lancaster Bldg., Calgary	Turner Valley
Anglo Canadian Oil Co. Ltd.	902 Lancaster Bldg., Calgary	Turner Valley
Argus Royalties Ltd.	902 Lancaster Bldg., Calgary	Turner Valley
Arrow Oil Royalties Ltd.	804 Southam Bldg., Calgary	Turner Valley
Associated Oil & Gas Co. Ltd.	200 Leeson-Lineham Block, Calgary	Turner Valley
Baltac Oils Ltd.	200 Leeson-Lineham Block, Calgary	Turner Valley
Barsac Royalties Ltd.	303 Toronto General Trusts Bldg., Calgary	Turner Valley
Bow Island, Town of (b)	Bow Island	...
British American Oil Co. Ltd. (e)	Royal Bank Bldg., Toronto, Ont.	...
British Colonial Oils Ltd.	1010 Lancaster Bldg., Calgary	Turner Valley
Calgary Power Co. Ltd.	244 St. James St., Montreal, Que.	Bassano
California Standard Co.	700 Lancaster Bldg., Calgary	Conrad and Princess
Canadian Pacific Railway Co.	Medicine Hat	Medicine Hat
Canadian Western Natural Gas, Light, Heat & Power Co. Ltd.	215 .. 6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co. Ltd.	Third St., Redcliff	Redcliff
Coastal Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
D & D Royalties Ltd.	303 Toronto General Trusts Bldg., Calgary	Turner Valley
Department of National Defence	Traders Bldg., Calgary	Suffield
Dominion Glass Co. Ltd.	1111 Beaver Hall Hill, Montreal, Que.	Redcliff
East Crest Oil Co. Ltd.	212 Grain Exchange Bldg., Calgary	Turner Valley
Foothills Oil & Gas Co. Ltd.	604-606 Second St. W., Calgary	Turner Valley
Gas & Oil Refineries Ltd. (e)	301 Lancaster Bldg., Calgary	...
Gunderson Brick & Coal Co. Ltd.	Redcliff	Redcliff
Home Oil Co. Ltd.	226 Lougheed Bldg., Calgary	Turner Valley
Hudson's Bay Oil & Gas Co. Ltd.	79 Main St., Winnipeg, Man.	Viking
Inland Gas & Oil Co. Ltd.	36 Dominion Bank Chambers, Edmonton	Fabyan
Major Oil Investments Ltd.	407 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	Dominion Bank Bldg., Toronto 2, Ont.	Medicine Hat
Maple Leaf Oil Co. Ltd.	608 Stock Exchange Bldg., Vancouver, B.C.	Wainwright
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Northwestern Utilities Ltd.	10124 .. 104 St., Edmonton	Viking and Kinsella
Ogilvie Flour Mills Co. Ltd.	Medicine Hat	Medicine Hat
Oil Ventures Ltd.	501 Leeson-Lineham Bldg., Calgary	Turner Valley
Pacific Petroleums Ltd.	501 Leeson-Lineham Bldg., Calgary	Turner Valley
Redcliff Pressed Brick Co. Ltd.	Redcliff	Redcliff
Royalite Oil Co. Ltd.	604-606 Second St. W., Calgary	Turner Valley
Suffield Gas Supply,	Suffield	Suffield
Sunset Oils Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley

DIRECTORY OF FIRMS IN THE NATURAL GAS INDUSTRY IN CANADA, 1944
(Concluded)

Name	Address	Location--Field
<u>Alb:ta - (Con.) -</u>		
Turner Valley Royalties Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Valley Gas Co. Ltd.	Turner Valley	Turner Valley
Vanalta Ltd.	618-744 West Hastings St., Vancouver, B.C.	Red Coulee
Wainwright Gas Co. Ltd. (b)	36 Dominion Bank Chambers, Edmonton	...
Walch, Nora M.	Suffield	Medicine Hat
Wetaskiwin, City of	Wetaskiwin	Wetaskiwin
York Oils Ltd.	501 Leeson-Lineham Block, Calgary	Turner Valley
<u>Northwest Territories -</u>		
Imperial Oil Co. Ltd.	56 Church St., Toronto, Ont.	Fort Norman

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