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**CANADA**

**DEPARTMENT OF TRADE AND COMMERCE**

**DOMINION BUREAU OF STATISTICS**

**CENSUS OF INDUSTRY**

**MINING, METALLURGICAL & CHEMICAL BRANCH**

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**THE NATURAL GAS INDUSTRY**

**IN**

**CANADA**

**1937**



OTTAWA  
1939

Price 10 cents



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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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THE NATURAL GAS INDUSTRY IN CANADA, 1937.

The Canadian production of natural gas in 1937 amounted to 32,380,991 thousand cubic feet worth \$11,674,802 compared with 28,113,348 thousand cubic feet valued at \$10,762,243 in the preceding year and 24,910,786 thousand cubic feet at \$9,363,141 in 1935.

Production from New Brunswick wells totalled 576,671 thousand cubic feet; in the previous year, 606,246 thousand cubic feet were produced. New Brunswick's output was obtained from wells in the Stony Creek field, near Moncton and the gas was piped to Moncton and Hillsboro where approximately 5,600 consumers were served. There were 37 natural gas wells in operation in this province at the end of 1937.

Ontario's output advanced to 10,746,334 thousand cubic feet or 7.4 per cent above the preceding year's total. Col. R. B. Harkness, Commissioner of Gas for Ontario, summarizes the developments in this province in 1937 as follows:

"For four consecutive years the production of natural gas in Ontario has shown an increase. It has now reached a "seventeen year high". The increased production is from the new fields, Declute, Dawn, and Brownsville, which are still in the development stage. The number of consumers shows an increase as well as does the quantity used per consumer. This may be the result of improved business conditions, but it is certain, from incomplete records of sales of appliances, that natural gas is being used for more purposes than ever before.

"The capital invested in the industry shows a large increase, and the number of men employed and wages paid shows an "all time high". These items appear also to follow the trend of business. Economies appear to be practiced in times of business depression and expansions are made in "good times".

"In 1937, the greatest activity was in the Brownsville field, where an intense drilling program was carried out. Wells average nearly three million cubic feet open flow each. The field extends into the north-west part of Bayham township, Elgin county, making the third distinct gas field in this township, viz., Vienna, Eden and Brownsville. The Vienna field is 27 years old and now nearly exhausted.

"The Declute field is fairly well outlined on the east and west. It may yet extend to the north, although dry holes and small wells would indicate its present limit in that direction. To the south it undoubtedly extends under the waters of Lake Erie. This field has proved to be a major gas field, and though small in area, the wells are very large in open flow. The Brownsville discovery has encouraged drilling over a wide area.



"The Haldimand field for the first time shows a decrease in the number of producing wells, as well as in the number of wells drilled within the year. The percentage of dry holes would indicate that the field has been almost completely drilled.

"The Welland field is being given some attention after a period of many years when no wells were drilled.

"Exploratory drilling is, as noted above, on the increase and great tracts of land have been leased in new territories.

"The exploratory work being carried out in Chatham township is showing considerable success after the drilling of a number of dry holes. The success in the Brownsville field has encouraged exploratory drilling in East Nissouri, North Dorchester, Bayham, and Malahide townships, where new fields are being sought in the Geulph formation. Two wells in North Easthope township proved non-productive. Drilling north of the old Mersea oil and gas field in Tilbury North and West has been disappointing, as has been an attempt to enlarge the Dawn field. Drilling continues in two wells, which have been drilled into the pre-Cambrian, one in Beverly township and one in Nassagaweya township. Some success has attended drilling in Prince Edward county in the Town of Picton. These wells are very small in open flow and low in rock pressure.

"Gas service has been extended to several small villages along the pipe line from the Dawn gas field to London. A second pipe line was laid into the Brownsville field; this one was from the Town of Aylmer. A purification plant was built in the Village of Springfield, similar to the Brownsville plant described in last year's report. The line and purification plant is owned by the Central Pipe Line Company, Limited. "

The natural gas industry in Ontario in 1937 included the activities of 182 operating, distributing and drilling firms who reported a total capital employment of \$48,891,691. These firms employed 1,456 salaried employees and wage-earners who received salaries and wages totalling \$1,659,068. The fuel used by these operators was valued at \$56,051 of which natural gas accounted for 83.7 per cent.

Saskatchewan's natural gas production rose to 100,380 thousand cubic feet from the preceding year's total of 90,839 thousand cubic feet. This production was obtained principally from the Lloydminster well; in addition there was a small output from the Colony well. The former well supplied gas to approximately 370 consumers in Lloydminster while gas from the latter well was used in drilling operations.

Alberta wells produced 20,955,506 thousand cubic feet in 1937; during the preceding year, 17,407,820 thousand cubic feet were produced. These figures include only the natural gas consumed for industrial and domestic purposes and do not take into account the waste gas burned in the Turner Valley field and the gas piped to the Bow Island field for storage.

The largest natural gas producing area in Canada is located in the Turner Valley field, Alberta, about 35 miles southwest of Calgary. The consumption of Turner Valley gas for industrial (including drilling) and domestic use in 1937 was 14,101,222 thousand cubic feet compared with 10,593,321 thousand cubic feet a year ago and 9,718,000 thousand cubic feet in 1935. There were approximately 23,500 consumers in Calgary, Lethbridge and the district who were served with this gas in 1937; in addition, a considerable quantity was used in the field for drilling purposes. Following the practice of preceding years, a large quantity of Turner Valley gas was piped to

the Bow Island field for repressuring wells in that area. Approximately 12,245,000 thousand cubic feet of this gas has been piped into these wells since 1930.

The city of Medicine Hat consumed 2,262,552 thousand cubic feet of natural gas during the year as against 2,460,523 thousand cubic feet in 1936. Some 2,500 consumers were supplied with gas from the Medicine Hat field in 1937. The Redcliff field, about two miles west of Medicine Hat, served about 260 industrial and domestic users who consumed 686,329 thousand cubic feet of gas.

Edmonton is supplied with gas from the Viking field which is located approximately 80 miles southeast of the city. This field provided gas, in 1937 for 10,700 consumers in Edmonton and 488 users outside the city. Twenty-two wells were in operation in the Viking field in 1937.

The Maple Leaf well in the Fabyan field furnished gas to approximately 300 consumers in Wainwright in 1937.

There were 100 wells in Alberta producing natural gas ONLY on December 31, 1937; a year ago, 95 wells were active. Capital employed by the companies operating in this industry in Alberta during 1937 was \$24,710,670 compared with \$25,063,756 in 1936. Employment was furnished during the year under review to 469 employees who received salaries and wages totalling \$695,901. Fuel and electricity used in 1937 cost the operating companies \$4,322.

At Fort Norman, in the Northwest Territories, 1,500 thousand cubic feet of natural gas were used for power purposes in 1937.

Canada imported 114,275 thousand cubic feet of mixed gas (natural and artificial) by pipeline from the United States during the year; this gas was valued at \$74,799. In 1936, importations totalled 118,056 thousand cubic feet worth \$75,985.

The Canadian natural gas industry in 1937 was represented by 218 operators who reported a total capital employment of \$75,611,107. These operators employed 2,028 salaried employees and wage-earners who received a total remuneration of \$2,488,125. The cost of fuel and electricity used during the year was \$75,690.

Table 1 - PRODUCTION OF NATURAL GAS IN CANADA, BY PROVINCES, 1936 and 1937.

Province	1 9 3 6		1 9 3 7	
	M cu.ft.	Value \$	M cu.ft.	Value \$
New Brunswick .....	606,246	298,819	576,671	283,922
Ontario .....	10,006,743	6,052,294	10,746,334	6,588,798
Manitoba .....	600	180	600	180
Saskatchewan .....	90,839	33,985	100,380	35,130
Alberta .....	17,407,820	4,376,720	20,955,506	4,766,437
Northwest Territories ...	1,100	245	1,500	335
CANADA .....	28,113,348	10,762,243	32,380,991	11,674,802



Table 2 - NATURAL GAS PRODUCTION IN ONTARIO, BY FIELDS, 1936 and 1937 (a)

County	Field	1936	1937
		M cu.ft.	M cu.ft.
Essex .....	Kingsville .....	3,531,870	3,245,333
	(Tilbury .....		
	(Declute .....	1,298,362	1,512,300
Kent .....	(Dover .....	842,362	636,552
Lambton .....	Dawn and Oil Springs .....	1,436,919	1,890,874
Oxford .....	(Brownsville (Dereham .....	- )	486,931
Elgin .....	(Field (Bayham .....	- )	
Elgin .....	Bayham .....	207,914	260,974
Norfolk .....	Norfolk .....	462,653	441,375
Lincoln .....	Lincoln .....		
Haldimand .....	Haldimand .....	1,735,171	1,784,257
Wentworth .....	Wentworth .....		
Brant .....	Onondaga .....	130,747	112,482
Bruce .....	Amabel .....	400	2,763
Welland .....	Welland .....	286,345	298,433
Wells in surface drift ..	Howard and Harwich .....	14,000	14,000
Private wells .....		60,000	60,000
Total Produced .....		10,006,743	10,746,334
Value .....		\$ 6,054,294	\$ 6,588,798
Imported mixed gas .....		113,721	113,495
Total distributed .....		10,120,464	10,859,829

(a) Prepared by the Ontario Department of Mines.

Table 3. PRODUCTION OF NATURAL GAS IN CANADA, BY MONTHS, 1936 and 1937.

	New Brunswick	Ontario	(a) Manitoba	Saskatchewan	Alberta	CANADA
1936	M cu.ft.	M cu.ft.	M cu.ft.	M cu.ft.	M cu.ft.	M cu.ft.
January .....	74,315	981,593	50	14,179	2,424,473	3,494,610
February .....	78,887	1,177,075	50	15,485	2,886,892	4,158,389
March .....	67,728	901,696	50	9,954	1,963,660	2,943,088
April .....	57,736	858,473	50	8,442	1,575,358	2,500,059
May .....	50,452	705,401	50	3,494	1,063,217	1,822,614
June .....	38,211	641,586	50	2,359	650,389	1,332,595
July .....	28,148	555,451	50	1,939	630,007	(b) 1,216,095
August .....	24,361	508,608	50	1,793	648,915	(b) 1,184,327
September .....	28,879	595,104	50	4,058	892,657	1,520,748
October .....	40,874	858,848	50	7,374	1,128,268	2,035,414
November .....	53,876	1,061,880	50	7,993	1,489,961	2,613,760
December .....	62,779	1,161,023	50	13,769	2,054,023	3,291,649
TOTAL .....	606,246	10,006,743	600	90,839	17,407,820	28,113,348
1937						
January .....	67,813	1,194,640	50	17,659	3,195,979	4,476,141
February .....	67,845	1,140,411	50	14,779	2,598,469	3,821,554
March .....	65,788	1,117,123	50	11,665	1,992,147	3,186,773
April .....	64,111	937,775	50	6,498	1,604,708	2,613,142
May .....	48,303	723,575	50	3,677	1,132,334	1,907,939
June .....	33,947	568,068	50	2,431	891,356	1,495,852
July .....	26,778	528,138	50	1,879	850,464	(b) 1,407,809
August .....	22,631	498,283	50	2,854	904,582	(b) 1,428,900
September .....	26,225	734,357	50	3,437	1,069,176	1,833,745
October .....	41,542	874,829	50	6,976	1,631,390	2,554,787
November .....	52,005	1,063,788	50	12,345	2,219,256	3,347,444
December .....	59,683	1,365,347	50	16,180	2,865,645	4,306,905
TOTAL .....	576,671	10,746,334	600	100,380	20,955,506	32,380,991

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

Table 4-PRINCIPAL STATISTICS OF THE NATURAL GAS INDUSTRY IN CANADA, 1935, 1936 and 1937.

	1935	1936	1937
Number of firms .....	199	227	218
Capital employed .....	\$69,221,051	\$77,666,568	\$ 75,611,107
Number of employees - On salary .....	658	797	787
On wages .....	1,061	1,278	1,241
Total .....	1,719	2,075	2,028
Salaries and wages - Salaries .....	\$ 862,767	\$ 1,137,506	\$ 1,142,020
Wages .....	\$ 1,070,170	\$ 1,319,412	\$ 1,346,105
Total .....	\$ 1,932,937	\$ 2,456,918	\$ 2,488,125
Cost of fuel and electricity .....	\$ 66,093	\$ 77,658	\$ 75,690
Selling value of products .....	\$ 9,363,141	\$10,762,243	\$ 11,674,802

Table 5 - NATURAL GAS PIPE LINE MILEAGE IN CANADA, 1936 and 1937.

	ACTUAL MILES OF MAIN				MILES OF EQUIVALENT 3" MAINS			
	Gathering and Transmission		Distribution		Gathering and Transmission		Distribution	
	1936	1937	1936	1937	1936	1937	1936	1937
New Brunswick ...	20	20	60	60	41	41	64	65
Ontario .....	2,112	2,136	1,830	2,101	3,743	3,709	1,991	2,311
Saskatchewan ....	...	...	...	7	...	...	...	6
Alberta .....	593	608	545	556	2,049	1,950	1,019	957
CANADA .....	2,725	2,764	2,435	2,724	5,833	5,700	3,074	3,338

Table 6 - PRICES OF NATURAL FUEL GAS USED FOR DOMESTIC CONSUMPTION IN SPECIFIED CITIES IN CANADA, 1913, 1936 and 1937.

(Prepared in the Internal Trade Branch)

Net price per 1,000 cu.ft. (exclusive of meter rent or other service charges)

(Where double quotations are shown, the first figure is the regular rate, and the second figure is the summer rate; single quotations apply to the end of the year)

	1913	1936	1937
	\$	\$	\$
New Brunswick -			
Moncton .....	.38	.50	.50
Ontario -			
Brantford .....	.30	.80	.80
Chatham .....	.25	1.36	1.36
Galt .....	-	.80	.80
London .....	-	1.40	1.40
Niagara Falls .....	.40	1.00	1.00
Port Colborne .....	-	.80	.80
St. Catharines .....	.70	.75	.75
Sarnia .....	.30	.55	.55
		.80	.80
Welland .....	.28	1.00	1.00
Windsor .....	.30	1.40	1.40
Woodstock .....	.35	.80	.80
Alberta -			
Calgary .....	.30	.33	.33
Edmonton .....	-	.38	.38
Medicine Hat .....	.135	.237	.237



# MANUFACTURED GAS

The production of manufactured gas in Canada, during 1937, amounted to 46,009,633 thousand cubic feet of which 38,790,787 thousand cubic feet were produced from by-product ovens and 7,218,846 thousand cubic feet from gas plants. Sales of gas by the producers totalled 15,289,839 thousand cubic feet and consisted of 8,700,475 thousand cubic feet of by-product gas and 6,589,364 thousand cubic feet produced by gas works. Most of the remaining gas was used as a fuel in the producing plants or in their associated metallurgical works. These figures do not include 52,209 M cubic feet of Pintsch oil gas for lighting railway cars, 5,779,059 M cubic feet of still gas recovered at petroleum refineries, and some blast furnace and producer gas which was recovered and used by the producers but for which no records are available.

There were 476,965 customers served with manufactured gas in 1937; active meters totalled 501,677 and the length of distributing main was 3,729 miles. The average calorific value of the gas sold ranged from 450 to 553 B.T.U. per cubic foot.

Table 7 -- SALES OF MANUFACTURED GAS, NUMBER OF CUSTOMERS AND MILEAGE OF PIPE LINES, 1937

Areas	No. of customers	No. of active meters	GAS M cu. ft.	SALES \$	Mileage of pipe lines	Approximate population served by mains
Eastern provinces	192,980	220,798	4,977,258	5,586,403	981	1,571,000
Ontario	220,226	212,417	8,493,068	7,199,917	1,964	1,202,394
Western provinces	63,759	68,462	1,819,513	1,946,211	784	506,267
TOTAL	476,965	501,677	15,289,839	14,732,531	3,729	3,279,661

Table 8. -- GENERAL RATES FOR MANUFACTURED GAS IN CANADIAN TOWNS AND CITIES, 1937.

Towns or Cities	APPROXIMATE		GENERAL		RATE
	Per M cu. ft.	Gross	Discount		Service charge
Halifax, N.S.	2.00 - 1.10		10 cents per M		-
Saint John, N.B.	1.80 - 1.45		10 cents per M	60 cents per month.	
Quebec, P.Q.	1.66 - 0.90		10 per cent		-
Sherbrooke, P.Q.	1.35 - 1.00		10 per cent		(x)
Montreal, P.Q.	1.17 - 0.50		10 per cent	14 to 55 cents per meter per month	
Barrie, Ont.	2.00		10 per cent	75 cents per month.	
Bellefonte, Ont.	1.60 - 1.00		10 cents penalty	50 cents per month.	
Brockville, Ont.	1.50		10 per cent		(x)
Guelph, Ont.	0.65 - 0.40		10 per cent penalty		(x)
Kingston, Ont.	1.38 - 1.00		10 per cent	33 cents per month meter rent.	
Toronto, Ont.	1.00 - 0.72		10 cents per M	50 cents per month.	
Cobourg, Ont.	2.20 - 1.65		10 per cent	55 cents per month.	
Oshawa, Ont.	1.45 - 0.65		(x)		(x)
Whitby, Ont.	1.50 - 1.05		10 cents penalty		(x)
Bowmanville, Ont.	1.50 - 1.05		10 cents penalty		(x)
Peterborough, Ont.	1.45 - 1.00		10 per cent	45 cents per month.	
Kitchener, Ont.	0.95 - 0.75		(x)		(x)
Waterloo, Ont.	1.20 (net)		(x)		(x)
Ottawa, Ont.	1.36 - 1.00		10 cents per M	50 cents per month.	
Port Hope, Ont.	2.50		(x)	\$1.20 per year	
Owen Sound, Ont.	1.35 - 1.10		10 per cent	19 cents per month meter rent.	
Stratford, Ont.	1.72 - 1.11		10 per cent	25 cents per month.	
Hamilton, Ont.	0.80 - 0.40		5 to 15 cents per M		(x)
Sault Ste. Marie, Ont.	1.70 - 0.50		(x)		(x)
Brandon, Man.	2.10 - 1.39		10 per cent penalty		(x)
Winnipeg, Man.	1.30 - 0.95		10 cents per M		-
Nelson, B.C.	2.25 - 1.25		25 cents per M		(x)
Vancouver, B.C.	1.25 - 1.15 (net)		(x)		(x)
New Westminster, B.C.					
Burnaby, B.C.					
Victoria, B.C.	1.00 - 1.75		(x)	25 cents per month meter rent.	
(x) Not mentioned on report.					



FIRMS OPERATING IN THE NATURAL GAS INDUSTRY IN CANADA, 1937

- NOTE - (a) Frilling only.  
 (b) Distributing only.  
 (c) Producing wells drilled in 1937 - no output reported.  
 (d) Dry wells drilled in 1937.  
 (e) Drilling and producing.  
 (f) Pipe line company  
 (g) Using or selling gas from absorption plant.

<u>Name</u>	<u>Address</u>	<u>Location-Field</u>
<u>NEW BRUNSWICK</u> -		
New Brunswick Gas & Oilfields Ltd. Moncton		Stony Creek.
(b) Moncton Electricity & Gas Co., Ltd. Moncton		-
<u>ONTARIO</u> -		
Acme Gas & Oil Co., Ltd.	Suite 1602, 330 Bay St., Toronto	Middleton.
(e) Ajax Oil & Gas Co., Ltd.	85 Richmond St.W., Toronto.	Dover, Middleton, Norfolk, Raleigh and Tuscarora.
(a) Allen, A.J.	Dunnville	-
Aloka Oil Co., Ltd.	57 Queen St. W., Toronto	Dereham.
Amity Gas Co.	Lowbanks	Moulton.
(c) A.P.K. Group	Toronto	North Cayuga.
Aragain Gold & Natural Gas Syndicate	34 King St.E., Toronto	Canboro.
Avery, Esmond & Company	5172 St. Jean Ave., Detroit, Mich., U.S.A.	Cayuga North.
(c) Babcock, Miss	Picton	Marysburg.
Beacon Natural Gas Syndicate	112 Locust St., Kitchener,	Walpole.
Beer, Geo.	Binbrook	Binbrook.
Benn, A.S.	Hagersville	Walpole.
Bertie Gas Co.	Selkirk	Bertie.
Binbrook Gas Co.	Binbrook	Binbrook.
Blackheath Gas Co.	639 Penobscot Bldg., Detroit, Mich., U.S.A.	Seneca.
Broadway Gas Syndicate	Jarvis	Walpole.
Buck, C.S.	Port Rowan	Walsingham South.
(c) Buffalo Drilling Co.,	2002 Rand Bldg., Buffalo, N.Y., U.S.A.	Onondaga
Barnhart, Mrs. E.L.	Stevensville	Bertie.
Burchell Gas and Oil Syndicate,	1111 Canada Permanent Bldg., Toronto.	Canboro, Raleigh and Woodhouse.
Canada Cement Co. Ltd.,	Port Colborne	Wainfleet.
Canadian Natural Gas Syndicate	Simcoe	Bayham & Moulton.
Canby, B.F.	Wainfleet	Wainfleet.
Canfield Gas Syndicate	703 Capitol Park Bldg., Detroit, Mich., U.S.A.	Cayuga North.
Canfield Natural Gas Co. Ltd.	Canfield	Cayuga North.
(d) Carefoot, E.M.	Belleville	Hastings County.
Cartwright, S.E.	1970 Penobscot Bldg., Detroit, Mich., U.S.A.	Walpole.
(e) Central Pipe Line Co. Ltd.,	Chatham	Bayham, Dereham, Houghton and Middleton.

	Central Seneca Gas Syndicate	Cayuga	Seneca.
(b)	City Gas Company of London	215 Dundas St., London	-
	Colbert, M.A.	Welland Junction	Walpole.
	Coleman, J.A.	Wellandport	Gainsboro and
			Wainfleet.
	Colonial Natural Gas and Oil Co.,	Stoney Creek	Canboro and Moulton.
	Columbia Natural Gas & Oil Co. Ltd.,	515 Pigott Bldg.,	
		Hamilton	Dunn.
	Comins, H.M.	Flint, Mich., U.S.A.	Rainham.
	Connor & McKechnie	Dunnville	Bayham.
	Continental Gas Corp.	304-307 McKinnon Bldg.,	
		Toronto	Binbrook and
			Walpole.
	Coronation Gas Syndicate	Stevensville	Bertie.
(e)	Culver, W.H. Estate	Dunnville	Moulton and
			Oneida.
	Dawson, Ralph	Merlin	Tilbury East.
	Dean Gas Syndicate	Tillsonburg	Middleton.
	Delhi Gas Syndicate	Cayuga	Windham.
(d)	Dereham Gas and Oil Co.	283 Bay St., Toronto	Dereham.
	Domestic Gas Syndicate	36 Toronto St., Toronto	Moulton, Rainham,
			Seneca & Walpole.
	Dominion Natural Gas Co., Ltd.	518 Jackson Bldg., Buffalo,	Bayham, Binbrook,
		N.Y., U.S.A.	Caistor, Canboro,
			Cayuga, (North
			and South),
			Charlotteville,
			Dunn, Glanford,
			Houghton, Humber-
			stone, Malahide,
			Middleton, Moulton,
			Oneida, Onondaga,
			Rainham, Seneca,
			Sherbrooke, Towns-
			end Wainfleet,
			Walpole, Walsingham
			(North and South)
			Windham and
			Woodhouse.
	Dunnville-Detroit Gas Co.	Dunnville	Cayuga North.
	East Side Gas Co.	Lowbanks	Sherbrooke.
(d)	Economy Natural Gas Syndicate	Stratford	Moulton, Walpole
			and Woodhouse.
	Emerald Gas Syndicate	288 Bay St., Toronto	Moulton and Oneida.
(e)	Emerson, H.L.	Dunnville	Canboro and Moulton.
	Empire Gas Ltd.	25 King St.W., Toronto	Walpole and
			Walsingham South.
	Erie Gas Limited	9 Toronto St., Toronto	Woodhouse.
(a)	Evans, H.	Brownsville	-
	Fairbank Oil and Gas Syndicate	60 Front St.W., Toronto	Enniskillen.
	Firelite Gas & Oil Co., Ltd.,	80 Richmond St.W.,	Oneida, Rainham,
		Toronto.	Walpole and
			Walsingham South.
	Fisherville Gas Co.	Fisherville	Rainham.
	Gas Producers Co.,	705 Capitol Park Bldg.,	
		Detroit, Mich., U.S.A.	Raleigh.



(e)	Gifford, A., & Son Glenny, D. Grand River Gas & Oil Syndicate Grand River Gas Co.	Cayuga Dunnville  Canfield Cayuga	Cayuga South. Canboro.  Cayuga North. Moulton.
(a)	Gregory, Geo. F., & Son Grimsby Natural Gas Co. Ltd.	Petrolia  Grimsby	-  Caistor and Gainsboro.
(d)	Gubb & Russell  Haldimand Gas Co. Haldimand Natural Gas Syndicate Highbank Oil Limited Hill, A. W.	703 Capitol Park Bldg., Detroit, Mich., U.S.A. Cayuga  Stevensville 215 King St.W., Chatham Coatsworth	Bayham, Dawn and Raleigh. Rainham.  Bertie. Raleigh. Tilbury East.
(c)	Holmes, A.B. and Rodgers, A.L.	166 Jamieson Ave., Toronto	Bayham.
(a)	Hoover, A.E. Hope Gas Syndicate	Selkirk 43 Ontario St., St. Catharines	- Moulton.
(a)	House, Charles C. House & Harris	Stevensville Stevensville	- Bertie.
(a)	Hussey, W.J. Ideal Gas Syndicate	Petrolia Fisherville	- Rainham.
(e)	Jackson, Percy L.	Dunnville	Canboro and Moulton.
(c)	Jackson and Graff	Dunnville	Crowland.
(e)	Jasperson, Bon Kelly Gas & Oil Syndicate	Kingsville 15 Drayton Ave., Toronto	Gosfield South. Rainham and Walpole.
(a)	Kidd, L.W. Kindy, D., & Son	13 Strathearn Rd., Toronto Selkirk	- Rainham.
(a)	Kiser Bros. Ladd & Kabana  Ladd & Knight  Ladd-Knight-Medina Natural Gas Company, Ltd.,  Ladd and Zeigen	90 Park St., Chatham 1957 Penobscot Bldg., Detroit, Mich., U.S.A. 1957 Penobscot Bldg., Detroit, Mich., U.S.A.  1957 Penobscot Bldg., Detroit, Mich., U.S.A. 1957 Penobscot Bldg., Detroit, Mich., U.S.A.	- Tilbury East. Walpole.  Dover.  Tilbury East.
(c)(d)	Lake Erie Gas Co.,	57 Queen St.W., Toronto	Walpole
(a)	Lauer, D.G.	Tillsonburg	-
(b)	Leamington, Town of Lincoln Gas Co. Ltd.,	Leamington 10 Adelaide St.E., Toronto	- Caistor, Canboro and Gainsboro.
	Lindsay, William B., Estate of	Canada Permanent Bldg., Edmonton, Alberta.	Canboro, Rainham and Walpole.
(e)	Lymburner Bros. & Webber	Dunnville	Moulton, Rainham and Walpole.
	Lynn Valley Gas & Oil, Ltd.	43 Albert St., Waterloo	Oneida.
(b)	Manufacturers Natural Gas Co., Ltd.	518 Jackson Bldg., Buffalo, N.Y., U.S.A.	-
	May-Gold and Natural Gas Syndicate	Canboro	Canboro.

Ontario -- Con.

- 10 -

(a)	McCutcheon, Thos. J. and T.O.	Dunnville	
(e)	McKechnie, S.	Dunnville	Walpole
	McKechnie & Hussey	Dunnville	Canboro
(a)	McMaster, Robert, and Sons	Onondaga	
(c)	McNamara Construction Co.	Toronto	Tilbury East
(a)	McNinch, S.E.	Canboro	-
	Melrose Gas Co.	911 Kent Bldg., Toronto	Oneida.
	Middleton-Norfold Gas Co., Ltd.	52 Young St., Stratford,	Middleton.
	Midfield Gas Corp., Ltd.	810 Federal Bldg.,	Cayuga North, and Oneida.
	Midwal Oil & Gas Co., Ltd.	19 Lakeside Ave., Toronto	Cayuga South, Middleton and Walsingham North.
	Minnicog Gas Company	5172 St. Jean Ave., Detroit, Mich, U.S.A.	Cayuga North.
	Mohawk Gas & Oil Syndicate, Ltd.,	421 Main St.E., Hamilton	Canboro, Oneida and Walpole.
	Monarch Gas & Oil Syndicate	Fisherville	Walpole.
	Mutual Natural Gas Co.	372 Bay St., Toronto	Rainham.
	National Gas Syndicate	Dunnville	Seneca.
	Nelles Corners Gas Co.	Hagersville	Cayuga North and Rainham.
	New Eden Natural Gas Co.Ltd.,	Simcoe	Bayham
	New Tillsonburg Oil & Gas Co., Ltd.	26 Adelaide St.W., Toronto	Middleton.
	Niagara Natural Gas Co. Ltd.,	72 East Main St., Welland	Moulton.
	Niece, Elmond	Lowbanks	Sherbrooke.
	Norhal Gas and Oil, Ltd.	10 McNab St.S., Hamilton	Walpole.
	North Cayuga Gas Syndicate	1673 Beacon St., Brookline Mass., U.S.A.	Cayuga North.
	Northern Gas & Gasoline Co.,	Hepworth	Amabel.
	North Shore Gas Co.	Selkirk	Rainham.
	Nottawa Oil & Gas Co. Ltd.,	546 Confederation Life Bldg.	Amabel, Cayuga South, Keppel, Onondaga, Rainham, Wainfleet and Walpole.
(b)	Oil Springs Oil & Gas Co.,Ltd.	Oil Springs	-
(b)	Ontario Salt Co. (J.R.Robert)	1428 Erie St.E., Windsor	-
	Otter River Gas Co.	Tillsonburg	Middleton
(f)	Oxford Pipe Line Co. Ltd.	Dunnville	-
	Patterson, W.C., Gas Co.Ltd.	Box 914, Jamestown,N.Y., U.S.A.	Bayham, Cayuga North, Crowland, Dereham, Dunn, Humberstone, Rainham, Walpole, and Willoughby.
	Perdue, J.	Chatham	Dawn and (d) Tilbury East.
(a)	Perkins, J.E.	Dunnville	-
	Petrol Oil & Gas Co., Ltd.	414 Bay St., Toronto	Dover, Oneida, Onon- daga and Tuscarora.
	Pine Ridge Gas Co.,Ltd.	Dunnville	Dereham.
	Port Colborne-Welland Gas & Oil Co., Ltd.	Port Colborne	Oneida, Onondaga and Seneca.
	Povac Gas Syndicate	Tillsonburg	Canboro and Mersea.
	Prairie Gas & Oil Co., Ltd.	350 Bay St., Toronto 2	Dover.



Premier Oils Limited	539A St. Clair Ave.W., Toronto.	Onondaga.
Provincial Gas Co. Limited	Fort Erie North	Bertie, Crowland, Humberstone and Willoughby.
Rainham Gas Syndicate	Cayuga	Rainham and Seneca.
Reicheld, F.W.	Jarvis	Walpole.
Rich Gas Co.	18 Lola Rd., Toronto	Moulton.
Ricker, Arthur	Canboro	Canboro.
Riley, J.V.	Simcoe	Moulton.
River Valley Natural Gas Syndicate	112 Yonge St., Toronto	Oneida.
Romney Oil & Gas Co.	18 Toronto St., Toronto	Romney, Tilbury East and Wainfleet.
(e) Roth, Frank & Harvey	Dunnville	Bertie.
(e) Rowe, E.P.	350 Bay St., Toronto	Bayham, Dover East, Middleton and Raleigh.
Salina Gas Co., Ltd.,	47 Sixth St., Chatham	(d) Raleigh and Tilbury East.
Sandusk Gas Syndicate	Fisherville	Walpole.
Sarnia Oil & Gas Co.,	350 Bay St., Toronto	Enniskillen and Sarnia.
Security Gas Syndicate	Windsor	Binbrook, Glanford and Seneca.
Shelton, S.F.	York	Seneca.
Shepherd, E.	Dunnville	Canboro.
Sherk, John M.	Ridgeway	Bertie.
Smith, Armand M.	St. Thomas	Bayham and (d) Dereham.
(e) Smith and Ehde	Lowbanks	Moulton.
Southern Ontario Gas Co., Ltd.	518 Jackson Bldg., Buffalo, N.Y., U.S.A.	Mersea, Raleigh, Romney and Tilbury East.
(d) Spalding, E., Syndicate	-	Malahide.
Springvale Gas & Oil Co., Ltd.	Hagersville	Walpole.
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole.
Sterling Gas Co., Ltd.	7 Quebec St.W., Guelph	Walpole.
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie.
(e) Stewart and Stewart	Jarvis	Walpole.
(e) Stover, F.H. and Associates	Chatham	Dover, Raleigh and (d) Tilbury East.
Stromwell Syndicate	Tillsonburg	Moulton.
(a) Stubble, H.H.	207 Pattison Ave., Chatham	-
(e) Sundy, B.K.	Tillsonburg	-
Superior Gas Syndicate	Fisherville	Rainham.
Sweets Corners Gas & Oil Syndicate	Fisherville	Rainham.
Tanner, F.O.	General Motors Bldg., Detroit, Mich., U.S.A.	(d) Cayuga North and Oneida.
Treleaven, A.	98 Central Ave., London	Dereham.
Turkey Point Co.	Simcoe	Charlotteville.
Union Gas Co. of Canada, Ltd.	52 Fifth Ave., Chatham	Canboro, Cayuga North, Cayuga South, Dawn, Dover, Rainham, Raleigh, Romney, Seneca and

Ontario - Conc.

- 12 -

(b) United Gas and Fuel Company of Hamilton, Ltd.	82-84 King St.E., Hamilton,	-
Vacuum Gas & Oil Co. Ltd.	350 Bay St., Toronto	Middleton.
Victoria Gas Co.	Dunnville	Rainham and Walpole.
(d) Volcanic Gas and Oil Co.	Toronto	Easthope North, Missouri East, Tilbury North, Tilbury West.
Walpole Gas Syndicate	Cayuga	Walpole.
(e) Walter Gas Syndicate, Ltd.	3020 Bailey Ave., Buffalo, N.Y., U.S.A.	(d) Bayham, Middleton, Townsend and Woodhouse.
Welland County Gas Syndicate	Stevensville	Bertie.
Western Ontario Natural Gas Co. Ltd.,	Victory Bldg., Toronto	Canboro, Cayuga North, Dereham, Dunn and Sherbrooke.
(b) Windsor Gas Co., Ltd.	Windsor	-
York Gas Syndicate	25 King St.W., Toronto	Oneida and Seneca.

Saskatchewan

Colony Oil & Gas Co., Ltd.	Lloydminster	Lloydminster.
Lloydminster Gas Co. Ltd.	Lloydminster	Lloydminster.

Alberta

Advance Oil Co. Ltd.,	200 Leeson-Lineham Block, Calgary	Turner Balley.
Alberta Clay Products Co.	Medicine Hat	Medicine Hat.
Associated Oil & Gas Co. Ltd.	200 Leeson-Lineham Block, Calgary	Turner Valley.
Baltac Oils Ltd.	200 Leeson-Lineham Block, Calgary	Turner Valley.
(b) Bow Island, Town of	Bow Island	-
(g) British American Oil Co.Ltd.,	Royal Bank Bldg., Toronto, Ont.	
British Dominion Oil & Development Corp. Ltd.	208 Dominion Bank Bldg., Calgary,	Turner Valley.
Calgary Power Co. Ltd.	244 St. James St., Montreal, P.Q.	Bassano.
Canadian Maple Leaf Royalties Ltd.	1 Central Bldg., Calgary	Highwood.
Canadian Pacific Railway Company	Medicine Hat	Medicine Hat.
Canadian Western Natural Gas, Litht, Heat & Power Co.Ltd.	215 Sixth Ave.W., Calgary	Brooks and Foremost.
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Redcliff.
Carleton Royalties, Ltd.	303 Lancaster Bldg., Calgary	Turner Valley.
Century Royalties, Ltd.	3004 - 4th St.W. Calgary	Turner Valley.
Dalhousie Oil Co., Ltd.	606 Second St.W., Calgary	Turner Valley.
Davies Petroleums Ltd.	714 Standard Bank Bldg., Vancouver, B.C.	Turner Valley.



Alberta - Conc.

	Dominion Glass Co. Ltd.	1111 Beaver Hall Hill, Montreal, P.Q.	Redcliff.
	East Crest Oil Co., Ltd.	409 Maclean Block, Calgary,	Turner Valley.
	Foothills Oil & Gas Co.Ltd.	606 Second St.W., Calgary	Turner Valley.
(g)	Gas & Oil Products,	303 Lancaster Bldg.,Calgary,	-
	Gold Standard Oils, Ltd.	Wainwright	Wainwright.
	Gunderson Brick & Coal Co. Ltd.	Redcliff	Redcliff.
	Hargal Oils Ltd.	1007 Stock Exchange Bldg., Vancouver,	Wainwright.
	Highwood-Sarcee Oils,Ltd.	614 Lancaster Bldg.,Calgary,	Turner Valley.
	Hudson's Bay Oil & Gas Co. Ltd.	79 Main St. Winnipeg,Man.	Viking.
	Hylco Oils Ltd.	118 Renfrew Bdlg.,Calgary	Turner Valley.
	Lowery Petroleums Ltd.	44 Victoria St., Toronto, Ont.	Turner Valley.
	Maple Leaf Milling Co.Ltd.	Medicine Hat	Medicine Hat.
	Maple Leaf Oil Co.Ltd.	708 Stock Exchange Bldg., Vancouver, B.C.	Fabyan.
	Medicine Hat Brick & Tile Co. Limited	Medicine Hat	Medicine Hat.
	Medicine Hat, City of	Medicine Hat	Medicine Hat.
	Model Oils Ltd.	7 Cameron Block, Calgary	Turner Valley.
	Moose Oils Ltd.	714 Lancaster Bldg.Calgary	Moose Dome.
	National Petroleum Corp.Ltd.	305 Foothills Bldg.Calgary	Turner Valley.
	Northwestern Utilities Ltd.	10124 - 104th St., Edmonton	Viking.
	Ogilvie Flour Mills Co.Ltd.	Medicine Hat	Medicine Hat
	Oil Investors, Ltd.	705 Lancaster Bldg.,Calgary	Turner Valley.
(g)	Oilwell Machine Co.	Turner Valley	-
	O'Neil, W.N. Company,Ltd.	Coutts	Red Coulee.
	Range Oil & Gas Co.Ltd.	101 Canadian Bank of Commerce Bldg., Calgary	Border.
	Redcliff Premier Brick Co.Ltd.	Redcliff	Redcliff.
	Redcliff Pressed Brick Co.	Redcliff	Redcliff.
	Renfrew Royalty Co.,Ltd.	705 Lancaster Bldg.,Calgary	Turner Valley.
	Richfield Royalties Ltd.,	705 Lancaster Bldg.,Calgary	Turner Valley.
	Royalite Oil Co.Ltd.	606 Second St.W.,Calgary	Turner Valley.
	Share Royalties Ltd.	61 Canada Life Bldg., Calgary	Turner Valley.
	Southwest Petroleum Co.Ltd.	606 - 2nd St.W., Calgary	Turner Valley.
	Sovereign Royalties Ltd.	317 Alberta Corner, Calgary	Turner Valley.
	Spooner Oils Ltd.	717 Lancaster Bldg.,Calgary	Turner Valley
	Sterling Royalties, Ltd.	303 Lancaster Bldg.,Calgary	Turner Valley.
	Suffield,Village of	Suffield	Suffield.
	Sunset Oils Ltd.	302 Toronto General Trusts Bldg.. Calgary	Turner Valley.
	Turner Valley Royalties Ltd.	232 Lougheed Bldg.,Calgary	Turner Valley.
	Vanalta Limited	Granville Island, Vancouver, B.C.	Red Coulee.
(b)	Wainwright Gas Co.Ltd.,	36 Dominion Bank Bldg., Edmonton	-
	Wetaskiwin, City of	Wetaskiwin	Wetaskiwin.

Northwest Territories -

Northwest Co., Ltd.	606 Second St.W., Calgary	Fort Norman.
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