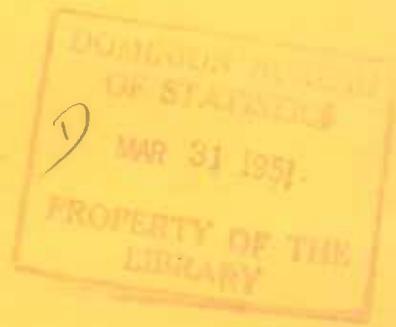


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GOVERNMENT OF CANADA



THE CRUDE PETROLEUM AND
NATURAL GAS INDUSTRY

1949



DOMINION BUREAU OF STATISTICS - DEPARTMENT OF TRADE AND COMMERCE

THE CRUDE PETROLEUM AND NATURAL GAS
INDUSTRY, 1949

Published by Authority of the RT. HON. C.D. HOWE
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section
Industry and Merchandising Division
Dominion Bureau of Statistics, Ottawa

NOTICE

It has been the practice of the Bureau of Statistics, since 1920, to issue an annual printed report on the Mineral Production of Canada. This report was comprised to a large extent of the data which had already been issued in bulletin form as statistics for each industry were completed. The final report was necessarily late in being issued, and its main use was for library purposes and for historical research. It also had the advantage of having complete statistics of the Canadian Mining Industry for a year in one volume.

Such a procedure necessitated the preparation of new manuscript, duplication of proof-reading, and extra costs in type-setting and printing. In order to avoid this extra cost, a system has been devised whereby libraries and other similar organizations may file the separate reports in a ring binder as issued, and if they so desire, may have them bound in a volume when the series for the year is complete.

The reports have been paged in such a manner that when bound they will correspond to the chapters of the annual printed report hitherto issued, but which will now be discontinued.

The following reports will constitute the complete volume on Mineral Statistics of Canada:

- A General Review of the Mining Industry
- B The Gold Mining Industry
- C The Silver-Lead-Zinc Mining Industry
- D The Nickel-Copper Mining, Smelting and Refining Industry
- E The Miscellaneous Metal Mining Industry
- F The Non-ferrous Smelting and Refining Industry
- G The Coal Mining Industry
- H The Natural Gas and Crude Petroleum Industry
- I The Asbestos Mining Industry
- J The Feldspar and Quartz Mining Industry
- K The Gypsum Industry
- L The Peat Industry
- M The Salt Industry
- N The Talc and Soapstone Industry
- O The Miscellaneous Industrial or Non-metallic Minerals Mining Industry
- P The Cement Manufacturing Industry
- Q The Clay and Clay Products Industry
- R The Lime Industry
- S The Sand and Gravel Industry
- T The Stone Industry
- U Contract Diamond Drilling in the Mining Industry
- V Appendix — Explanatory notes on the method of computing the quantities and values of the Mineral Production of Canada

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1949

(a) The Crude Petroleum Industry

During 1949 the Canadian producers of crude petroleum and natural gasoline delivered 21,305,348 barrels valued at \$61,118,490 compared with 12,286,660 barrels worth \$37,418,895 in 1948, an increase of approximately 73 per cent in quantity and 63 per cent in total value.

Alberta accounted for over 94 per cent of the total well output in Canada. During its third year of production the Leduc field recorded an output of 9,688,784 barrels. The Redwater field, which started in 1948, produced 4,793,491 barrels. The refining capacity and transportation facilities had a limiting effect on the output. The completion of the pipeline from Edmonton, Alberta to the lakehead at Superior,

Wisconsin, U.S.A., expected late in 1950, will permit an increased flow from Alberta's wells.

Saskatchewan's production of crude oil totalled 782,188 barrels in 1949 compared with 849,166 barrels in 1948. In Ontario, there was an increase of 47 per cent to 260,670 barrels. Wells in New Brunswick and Northwest Territories did not produce quite as much crude in 1949 as in the preceding year.

The 273 firms in this industry, operating 3,166 producing wells, reported employment at 2,142 persons who received \$6,304,601 in salaries and wages. Fuel cost \$505,459 and 4,284,351 k.w.h. of electricity was purchased for \$94,103. Process supplies were valued at \$386,145

TABLE 1. Principal Statistics for the Crude Petroleum Industry, 1940-1949

Year	Number of operating wells	Number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of sales
1940.....	2,360	1,741	\$ 2,835,410	934,834	533,161	\$ 11,486,078
1941.....	2,312	1,844	3,254,817	609,616	194,182	15,011,324
1942.....	2,253	1,972	3,648,965	971,504	235,959	16,876,123
1943.....	2,197	2,399	5,212,895	709,879	202,479	16,906,780
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

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

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1949¹

	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
Number of firms.....	103	30	139	1	273
Number of active wells ²	1,518	146	1,412	64	3,166 ^{3,4}
Number of employees:					
On salary.....	17	13	200	—	230
On wages.....	122	60	1,709	21	1,912
Total.....	139	73	1,909	21	2,142
Salaries and wages:					
Salaries.....	\$ 47,739	45,769	717,993	—	811,501
Wages.....	\$ 162,525	149,653	5,122,922	58,000	5,493,100
Total.....	\$ 210,264	195,422	5,840,915	58,000	6,304,601
Gross selling value of products \$	901,143	836,941	58,999,936	353,108	61,091,128
Cost of fuel and electricity..... \$	41,675	19,999	531,365	6,523	599,562
Cost of process supplies used \$	51,434	97	334,614	—	386,145

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 111 gas wells.

TABLE 3. Production and Producers' Sales of Crude Petroleum, by Provinces, 1948 and 1949

Province	1948			1949		
	Production	Sales	Value of sales	Production	Sales	Value of sales
	(barrels)		\$	(barrels)		\$
New Brunswick.....	21,372	21,372	29,920	19,544	19,544	27,362
Ontario.....	176,989	176,989	608,109	260,670	260,670	901,143
Saskatchewan.....	849,166	849,166	976,541	782,188	782,188	836,941
Alberta	10,973,583	10,888,592	35,127,751	20,246,392	20,087,418	58,999,936
Northwest Territories.....	349,763	350,541	676,574	155,528	155,528	353,108
Canada.....	12,370,873	12,286,660	37,418,895	21,464,322	21,305,348	61,118,490

1. Includes natural gasoline.

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1947-1949

Field	1947	1948	1949
	(barrels)		
Turner Valley	5,022,350	4,432,084	3,826,543
Leduc.....	372,427	4,657,371	9,688,784
Redwater.....	—	36,875	4,793,491
Conrad	202,929	179,627	139,728
Taber.....	205,236	201,527	150,746
Princess.....	106,920	186,393	121,227
Wainwright.....	18,325	17,131	16,086
Vermilion.....	138,401	112,331	86,933
Lloydminster	304,236	648,055	716,941
Dina	4,159	4,200	14,062
Brooks.....	30	16,519	13,979
Stettler.....	—	—	15,725
Golden Spike	—	—	85,081
Joseph Lake.....	—	—	35,858
Whitemud	—	—	26,506
Other	7,046	12,815	37,256
Total Crude.....	6,382,059	10,504,928	19,768,946
Natural gasoline.....	427,225	468,655	477,446
Total	6,809,284	10,973,583	20,246,392

TABLE 5. Production of Crude Petroleum in Ontario, by Fields, 1947-1949

Field	1947	1948	1949
	(barrels)		
Petrolia and Enniskillen.....	41,028	40,603	42,632
Oil Springs	25,683	26,165	25,692
Moore township.....	132	544	301
Sarnia township.....	80	124	141
Plympton township	—	8	—
Bothwell township and Thamesville	16,025	15,238	17,940
Dover, Romney, Raleigh and Tilbury	4,545	4,439	3,762
Onondaga	80	69	67
Mosa township	19,165	18,341	18,580
Dunwich.....	1,740	1,821	1,929
Dawn and Euphemia.....	163	7,312	999
Warwick, Metcalfe and Adelaide townships	2,390	2,479	2,010
Sombra township	20,264	59,846	146,617
Total	131,295	176,989	260,670

TABLE 6. Producers' Sales of Crude Petroleum, 1930-1949

Year	Barrels	\$	Year	Barrels	\$
1930.....	1,522,220	5,033,820	1940.....	8,590,978	11,160,213
1931.....	1,542,573	4,211,674	1941.....	10,133,838	14,415,096
1932.....	1,044,412	3,022,592	1942.....	10,364,796	15,968,851
1933.....	1,145,333	3,138,791	1943.....	10,052,302	16,470,417
1934.....	1,410,895	3,449,162	1944.....	10,099,404	15,429,900
1935.....	1,446,620	3,492,188	1945.....	8,482,796	13,632,248
1936.....	1,500,374	3,421,767	1946.....	7,585,555	14,989,052
1937.....	2,943,750	5,399,353	1947.....	7,692,492	19,575,682
1938.....	6,966,084	9,230,173	1948.....	12,286,660	37,418,895
1939.....	7,826,301	9,846,352	1949.....	21,305,348	61,118,490

TABLE 7. Producers' Sales of Crude Petroleum, by Provinces, 1940-1949

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
(Barrels of 35 Imperial gallons)						
1940.....	22,167	187,644	331	8,362,203	18,633	8,590,978
1941.....	31,359	160,238	—	9,918,577	23,664	10,133,838
1942.....	28,089	143,845	—	10,117,073	75,789	10,364,796
1943.....	24,530	132,492	—	9,601,530	293,750	10,052,302
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

TABLE 8. Production of Crude Petroleum, by Months, 1949

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
(Barrels of 35 Imperial gallons)						
January.....	1,699	16,833	51,732	1,279,911	5,344	1,355,519
February.....	1,582	17,526	51,942	1,352,129	17,002	1,440,181
March.....	1,654	19,525	59,291	1,651,012	14,580	1,746,062
April.....	1,671	18,731	74,891	1,714,049	30,851	1,840,193
May.....	1,616	20,458	90,812	1,581,619	20,028	1,714,533
June.....	1,585	20,768	81,945	1,591,260	5,246	1,700,804
July.....	1,689	22,916	54,913	1,689,924	5,642	1,775,084
August.....	1,805	24,736	57,553	1,870,528	14,993	1,969,615
September.....	1,697	22,986	73,326	2,051,250	18,073	2,167,332
October.....	1,533	25,830	68,442	1,950,665	11,949	2,058,419
November.....	1,461	25,284	60,906	1,821,251	5,678	1,914,580
December.....	1,552	25,077	56,435	1,692,794	6,142	1,782,000
Total.....	19,544	260,670	782,188	20,246,392	155,528	21,464,322

TABLE 9. Petroleum Wells, by Provinces, 1947-1949

	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
Productive wells at beginning of year:						
1947.....	27	1,610	18	517	58	2,230
1948.....	27	1,559	81	519	58	2,244
1949.....	26	1,489	101	774	66	2,456
Number of productive wells drilled:						
1947.....	—	22	54	76	—	152
1948.....	—	26	23	273	8	327
1949.....	—	18	45	487	—	550
Number of wells abandoned:						
1947.....	—	84	—	64	—	148
1948.....	1	96	3	18	—	118
1949.....	—	49	8	18	2	77
Number of dry wells drilled:						
1947.....	—	33	1	24	—	58
1948.....	—	36	11	68	—	115
1949.....	—	25	7	100	—	132
Number of productive wells in operation at end of year:						
1947.....	27	1,559	77	519	58	2,240
1948.....	26	1,489	101	774	66	2,456
1949.....	26	1,518	138	1,243	64	2,989

TABLE 10. Employees and Their Earnings in the Natural Gas Industry, 1948 and 1949

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1948								
New Brunswick.....	—	—	88	2	90	—	177,426	177,426
Ontario.....	73	70	858	3	1,004	141,198	1,169,009	1,310,207
Saskatchewan.....	1	1	3	1	6	300	7,742	8,042
Alberta.....	81	41	599	10	731	275,763	1,147,503	1,423,266
Canada.....	155	112	1,548	16	1,831	417,261	2,501,680	2,918,941
1949								
New Brunswick.....	—	—	87	2	89	—	183,785	183,785
Ontario.....	199	151	958	3	1,311	764,768	2,089,483	2,854,251
Saskatchewan.....	1	—	13	—	14	500	14,856	15,356
Alberta.....	107	40	650	12	809	335,612	1,324,262	1,659,874
Canada.....	307	191	1,708	17	2,223	1,100,880	3,612,386	4,713,266

TABLE 11. Workmen, by Months, in the Crude Petroleum Industry, 1948 and 1949 (Number on pay-roll on the last work day of each month)

Month	1948			1949		
	Male	Female	Total	Male	Female	Total
January.....	1,247	5	1,252	1,734	4	1,738
February.....	1,287	5	1,292	1,753	3	1,756
March.....	1,366	5	1,371	1,840	4	1,844
April.....	1,357	5	1,362	1,833	4	1,837
May.....	1,399	5	1,404	1,939	7	1,946
June.....	1,558	4	1,562	2,030	5	2,035
July.....	1,648	5	1,653	2,025	5	2,030
August.....	1,664	6	1,670	2,019	4	2,023
September.....	1,636	6	1,642	1,978	4	1,982
October.....	1,643	9	1,652	1,863	5	1,868
November.....	1,630	8	1,638	1,942	4	1,946
December.....	1,679	5	1,684	1,901	4	1,905
Average.....	1,526	7	1,641	1,907	5	1,912

TABLE 12. Imports of Petroleum, Asphalt and Their Products, 1948 and 1949

Item	1948		1949	
	Quantity	Value	Quantity	Value
Asphaltum or asphalt, solid or not..... cwt.	211,520	\$ 595,376	441,949	\$ 871,093
Oil, imported by miners or mining companies, for the concentration of ores or metals..... gal.	126,890	92,030	150,423	108,795
Crude petroleum for refining .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,643,758	191,803,368	2,587,709	189,363,805
Crude petroleum n.o.p..... gal.	814,339	46,256	430,500	32,476
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.	72,607,104	5,021,638	60,695,952	3,641,419
Fuel oil, ex-warehouse, for ships' stores.... gal.	12,504,179	756,688	13,327,449	669,887
Aviation gasoline..... gal.	1	—	43,301,850	8,963,945
Coal oil and kerosene lighter than .8236 spe- cific gravity at 60° Fah., n.o.p..... gal.	76,868,321	8,791,014	36,618,392	3,687,650
Engine distillate..8017 specific gravity or heavier at 60° Fah. gal.	1,064,885	150,136	1,236,878	166,887
Gasoline, lighter than .8236 specific gravity at 60° Fah. gal.	274,983,729	40,514,758	215,340,198	31,209,682
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.	47,623,626	5,946,914	49,363,120	5,082,866

1. Included in gasoline, lighter than .8236 specific gravity.

TABLE 12. Imports of Petroleum, Asphalt and Their Products, 1948 and 1949 - Con.

Item	1948		1949	
	Quantity	Value	Quantity	Value
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon.....	gal. 6,935,374	\$ 1,187,075	gal. 9,538,199	\$ 1,725,916
Lubricating oils, 25 cents and over.....	gal. 9,240,999	4,444,874	gal. 6,925,888	2,943,839
Oils, mineral, n.o.p.	gal. 1,516,410	1,493,552	gal. 837,318	984,378
Stove oil, No.1 fuel oil.....	gal. 1	-	gal. 49,473,310	5,015,267
Light fuel oils Nos. 2 and 3	gal. 1	-	gal. 38,912,347	3,456,260
Heavy fuel oils Nos. 4, 5 and 6.....	gal. 1	-	gal. 98,093,110	5,123,750
Diesel fuel	gal. 1	-	gal. 38,465,627	3,863,056
Tractor fuel	gal. 1	-	gal. 38,626	5,515
Products of petroleum n.o.p., .8236 specific gravity (40.3 A.P.I.) or heavier at 60°Fah ...	gal. 335,447,326	32,309,045	—	-
Petroleum greases and lubricating greases, n.o.p.	lb. 10,157,242	892,459	lb. 10,996,214	972,014
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes.....	—	555,720	—	590,822
Paraffin wax	lb. 43,580,756	3,464,046	lb. 24,282,584	1,614,209
Paraffin wax candles	lb. 11,786	2,749	lb. 236,047	67,077
Products of petroleum n.o.p.	gal. 9,210,764	1,268,296	gal. 4,043,863	1,325,334
Liquefied petroleum gases.....	lb. —	2,269,714	lb. 142,506,357	2,360,680
Naphtha, including solvent naphtha.....	gal. 2	-	gal. 3,924,515	816,982

1. Included in products of petroleum, .8236 specific gravity or heavier
 2. Included in products of petroleum n.o.p.

TABLE 13. Exports of Petroleum and Its Products, 1948 and 1949

Item	1948		1949	
	Quantity	Value	Quantity	Value
Petroleum, crude	gal. 23,948	\$ 2,684	—	-
Oil, coal and kerosene, refined.....	gal. 336,073	61,203	gal. 167,938	24,807
Gasoline and naphtha	gal. 8,772,438	1,236,288	gal. 2,019,342	291,361
Fuel oil.....	gal. 63,590,878	4,841,459	gal. 25,265,609	1,855,198
Lubricating oil.....	gal. 917,004	348,721	gal. 124,041	108,913
Oil, mineral, n.o.p.	gal. 751,888	128,045	gal. 418,226	34,953
Wax, mineral.....	cwt. 326,779	2,685,514	gal. 51,034	273,023

Crude Petroleum Producers, 1949

Name	Address	Location of Field
New Brunswick:		
New Brunswick Oilfields Ltd.....	Moncton.....	Stoney Creek
Ontario¹:		
Austin, Gordon	Bothwell.....	Orford
Baines Bros.....	Petrolia.....	Petrolia and Enniskillen
Barnes, A. G.....	Petrolia.....	Petrolia and Enniskillen
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
Chandler, H. & C.	16712 Vaughan Ave., Detroit 19, Mich., U.S.A.	Petrolia and Enniskillen
Cole, W. J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex.....	102 Inshes Ave., Chatham	Dover
Corey, H.	Petrolia	Petrolia and Enniskillen
Demaray & Nichols ²	Oil Springs.....	Mosa
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London.....	Petrolia and Enniskillen
Donald, G.....	Oil Springs.....	Petrolia and Enniskillen
Earl, Sydney ²	Kerrwood	Petrolia and Enniskillen
Edward, F. H.	Petrolia.....	Petrolia and Enniskillen
Fairbank, J. H. Estate	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
Howlett, Fred W. & Sons Ltd.....	Petrolia.....	Petrolia and Enniskillen
Hutton, D. J. ²	Thamesville	
Imperial Oil Ltd.	56 Church St., Toronto.....	Sombra, Euphemia, Mosa and Moore
Irving, Robert.....	Petrolia.....	Petrolia and Enniskillen
Irwin, Foster.....	Petrolia.....	Petrolia and Enniskillen
Johnson, E.	Petrolia.....	Petrolia and Enniskillen
Kells, E. E.....	Petrolia.....	Petrolia and Enniskillen
Kelly, J. E. Estate.....	Petrolia.....	Petrolia and Enniskillen
Kerr, J. J. Co. Ltd.	Petrolia.....	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell.....	Zone
Lennan, Lloyd A.....	Petrolia.....	Petrolia and Enniskillen
Lewis & Byers	Oil Springs.....	Petrolia and Enniskillen
Lewis & Lewis.....	Oil Springs.....	Petrolia and Enniskillen
MacGillivray, Margaret.....	Oil Springs.....	Petrolia and Enniskillen
Marcus, A.	Bothwell.....	Zone
Marcus, L.....	Wallacetown	Dunwick
McCutheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McRoberts & Marsh.....	Bothwell.....	Zone
Mitchell, C.	Oil Springs.....	Petrolia and Enniskillen
Mitchell, R.	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. Driller only.

Crude Petroleum Producers, 1949 — Con.

Name	Address	Location of Field
Ontario — Con:		
Pope, Wm.	Bothwell.....	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1.....	Dover East and Raleigh
Rowe, E. P. Estate	350 Bay St., Toronto 1.....	Dover East
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
Union Gas Co. Ltd.	Glencoe.....	Zone
Warwick, Joseph	Oil Springs.....	Petrolia and Enniskillen
Warwick, Preston	Bothwell.....	Orford
Williamson, M. J.	Petrolia.....	Petrolia and Enniskillen
Wilson-Sullivan Development Co. ¹	112 S. Christina St., Sarnia.....	Warwick
Winnett, J. W. G.	418½ Talbot St., London	Zone and Orford
Woodward, Wm.	Oil Springs.....	Petrolia and Enniskillen
Yerks, Frank.....	Petrolia.....	Petrolia and Enniskillen
Saskatchewan:		
Alpen & Associates.....	789 W. Pender St., Vancouver, B.C.	Lone Rock
Bata Petroleums Limited	310 Broder Bldg., Regina	Unity
Cardinal Petroleums Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Command Oils Limited	122-8th Ave. W., Calgary, Alta.	Lone Rock
Community Petroleums Ltd.	402 Nothern Crown Bldg., Regina.....	Lloydminster
Croft Syndicate.....	Lloydminster	Lloydminster
Dome Oils Ltd.....	2636 McCallum Ave., Regina.....	Lloydminster
Donna Well No. 1	234-1st Ave. S., Saskatoon	Lloydminster
Fair, Henry	Lloydminster	Lloydminster
Franco Castle Syndicate.....	678 Howe St., Vancouver, B.C.	Lloydminster
Franco Oils Limited	Vermilion.....	Lone Rock
Highwood-Sarcee Oils Limited	614 Lancaster Bldg., Calgary, Alta.	Lloydminster
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	531-8th Avenue W., Calgary, Alta.	Lloydminster
Ibstone Petroleums Limited.....	North Battleford	Lloydminster
Karels & Rennie	Swift Current	Lloydminster
Kelly & Burnett	1155 Downing St., Winnipeg, Man.	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Malone, J. C.	712 McCallum Hill Bldg., Regina	Lloydminster
Mitton Oils	10520-127th St., Edmonton, Alta.	Lloydminster
Northeast Syndicate.....	509-8th Ave. W., Calgary, Alta.	Lloydminster
Rogers Alberta Syndicate.....	North Battleford	Lloydminster
Rogers Bailey Syndicate.....	North Battleford	Lloydminster
S. A. C. Oils Ltd.	569 Howe St., Vancouver, B.C.	Lloydminster
Saskatoon Petroleums Limited	Medical Co-op Bldg., Saskatoon.....	Lloydminster
Vanlloyd Oils Limited.....	569 Howe St., Vancouver, B.C.	Lloydminster
Western Developments Ltd.	24 Michael Bldg., Calgary, Alta.....	Lloydminster
Wilton Oils Limited	Lloydminster	Lloydminster
Withers-Groat Syndicate.....	Tisdale	Lloydminster

1. Producer and driller.

Crude Petroleum Producers, 1949 - Con.

Name	Address	Location of Field
Alberta:		
Alberta Oil Incomes Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Alberta Oil Producers Ltd.....	800 Hall Bldg., Vancouver, B.C.....	Vermilion
Alberta Government Oil Sands Project	10302-107 St., Edmonton	Bitumount
Alberta Pacific Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Alberta Washington Petroleums 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
Anglo-Canadian Oil Company Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley and Elk Point
Apex Consolidated Resources Ltd.	36 Toronto St., Toronto, Ont.	Vermilion
Argus Royalties Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
Arrow Oil Royalties Limited.....	804 Greyhound Bldg., Calgary, Alta.	Turner Valley
Associated Oil & Gas Company Limited...	200 Leeson-Lineham Blk., Calgary.....	Turner Valley
Athlone Syndicate	112 Thomson Bldg., Edmonton.....	Lloydminster
Atlantic Oil Company Limited.....	304 Toronto General Trusts Bldg., Calgary	Leduc
Baltac Oils Limited.....	200 Leeson-Lineham Blk., Calgary.....	Turner Valley
Bay Petroleum Corporation.....	Box 957, Denver, Colorado, U.S.A.....	Leduc
Bee Jay Syndicate.....	Box 446, Lloydminster.....	Lloydminster
Blackfoot Oils Limited.....	227 Tegler Bldg., Edmonton.....	Lloydminster
Blarney Syndicate	Lloydminster	Lloydminster
Borradaile Oils Ltd.	80 King St. W., Toronto, Ont.	Vermilion and Lloydminster
British American Oil Company Limited ¹ ...	King & Yonge Sts., Toronto, Ont.	
British Dominion Oil & Development Cor- poration Limited	213 Dominion Bank Bldg., Calgary	Turner Valley
California Standard Company	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.....	420 Empire Bldg., Edmonton	Leduc
Calmont Oils Limited.....	303 Toronto General Trusts Bldg., Calgary	Leduc and Turner Valley
Calwin Royalties Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Canadian Gulf Oil Company.....	Tulsa 2, Okla., U.S.A.....	Pincher Creek, Redwater and Stettler
Cannar Oils Limited	360 McGill St., Montreal, Quebec	Vermilion
Castle Petroleum Syndicate No. 1.....	678 Howe St., Vancouver, B.C.	Lloydminster
Central Leduc Oils Limited.....	359 Palliser Hotel, Calgary	Leduc and Woodbend
Century Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Command Oils Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commercial Oil Producers Ltd.	227 Tegler Bldg., Edmonton.....	Lloydminster
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
Consumers Exploration Company Limited	211 Ave. D. North, Saskatoon, Sask.....	Princess
Continental Oil Co. of Canada Limited ...	407 Lancaster Bldg., Calgary.....	Turner Valley and Leduc
Crest Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Crude Oil Limited	304 Toronto General Trusts Bldg., Calgary	Turner Valley
D. & D. Royalties Limited	303 Toronto General Trusts Bldg., Calgary	Turner Valley
Davies Petroleums Limited	409 Lancaster Bldg., Calgary.....	Turner Valley
Deep Oils Limited.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers - Con.

Name	Address	Location of Field
Alberta - Con:		
Dinalta Syndicate	800 Lancaster Bldg., Calgary.....	Dina
Drillers & Producers Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley
East Crest Oil Company Limited	212 Grain Exchange Bldg., Calgary	Turner Valley
Edmonton Wainwright Oils Limited.....	8 McDougall Court, Edmonton.....	Wainwright
Empire Petroleums Limited	328 (a) - 8th Ave. W., Calgary.....	Princess
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Exterior Petroleums Ltd.	Kitscoty	Lloydminster
Federal Oils Syndicate No. 1.....	605 Lancaster Bldg., Calgary.....	Princess
Federated Petroleums Ltd.....	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited	300-9th Avenue West, Calgary	Turner Valley
Four Star Petroleums Limited	232 Lougheed Bldg., Calgary	Turner Valley
Franco Oils Limited	Vermilion.....	Vermilion
Gas & Oil Products Ltd.	301 Lancaster Bldg., Calgary.....	Leduc
Gas & Oil Refineries Limited ¹	301 Lancaster Bldg., Calgary.....	
Gem Royalties Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley
Godfrey-Lehman Lloydminster Syndicate...	303 Lancaster Bldg., Calgary.....	Lloydminster
Granleduc Oils (Alberta) Ltd.	512 Alexandra Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary.....	Turner Valley
Harris Wells Ltd.	201 Lancaster Bldg., Calgary.....	Turner Valley
Holly Petroleums Limited	132-22nd St., Saskatoon, Sask.	Lloydminster
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley Leduc and Redwater
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley
Kamalta Well Operators Ltd.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Leduc Consolidated Oils Limited	403 Lancaster Bldg., Calgary.....	Leduc
Lion Oil Producing Co. Ltd.....	200 Maclean Blk., Calgary.....	Turner Valley
Lloydminster Oil Producers Limited.....	227 Tegler Bldg., Edmonton.....	Lloydminster
Major Distributors Limited	407 Lancaster Bldg., Calgary.....	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary.....	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary.....	Turner Valley
Maryland Petroleums Limited.....	111 Ardern Blk., Calgary.....	Turner Valley
McConset-Leduc Syndicate.....	302 Toronto General Trusts Bldg., Calgary	Leduc-Woodbend
Mercury Oils Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Miracle Oils Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Miracle Royalties Wells & Valley Oils....	301 Lancaster Bldg., Calgary	Turner Valley
Model Oils Limited.....	201 Lancaster Bldg., Calgary	Turner Valley
Nassau Investments Ltd. & T. A. Sparks..	401 Somerset Bldg., Winnipeg, Man.....	Lloydminster
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
North Canadian Oils Limited	614 Lancaster Bldg., Calgary.....	Lloydminster
Northwell Operators Limited.....	900 Lancaster Bldg., Calgary.....	Redwater and Woodbend
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A....	Redwater
Okalta Oils Limited.....	Renfrew Bldg., Calgary.....	Turner Valley and Leduc
Pacific Petroleums Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley Princess and Redwater
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary.....	Lloydminster

1. Operates an absorption plant.

Crude Petroleum Producers, 1949 - Conc.

Name	Address	Location of Field
Alberta - Conc:		
Pan Western Oils Limited	328 A Eighth Ave. W., Calgary.....	Leduc
Paragon Oils Limited.....	118 McFarland Bldg., Lethbridge	Del Bonita
Petromine Exploration & Finance Co. Ltd.	9 Toronto St., Toronto, Ont.....	Lloydminster
Premium Petroleum Syndicate	3220 W. 4th Ave., Vancouver, B.C.....	Dina
Redwater Leaseholds Ltd.	308-8th Ave. W., Calgary.....	Campbell
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary	Turner Valley
Renown Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Reward Spooner Model.....	717 Lancaster Bldg., Calgary.....	Turner Valley
Ross Petroleums Limited.....	Bank of Nova Scotia Bldg., Edmonton	Leduc
Royal Canadian Oils Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley and Lloydminster
Royal Crest Petroleums Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Royalite Model No. 1 Well.....	201 Lancaster Bldg., Calgary.....	Turner Valley
S. A. C. Oils (Alberta) Ltd.....	569 Howe St., Vancouver, B.C.....	Lloydminster
Royalite Oil Company Limited ¹	606-2nd St. W., Calgary.....	Turner Valley
Saskahead Oils Ltd.	Indian Head, Sask.....	Vermilion
Shamrock Oils	Lloydminster	Lloydminster
Share Oils Ltd.....	Elks Bldg., Calgary	Turner Valley
Shaw Alberta No. 3 Syndicate	Lloydminster	Lloydminster
Sioux Petroleums Limited	208 Walter Scott Bldg., Moose Jaw, Sask..	Vermilion
Southwest Petroleum Co. Ltd.....	300-9th Ave. W., Calgary.....	Turner Valley
Standard Pacific Petroleums Limited.....	200 Greyhound Bldg., Calgary	South Princess
Sterling Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Sunburst Oil Co. Ltd.....	470 Granville St., Vancouver, B.C.....	Turner Valley
Sunset Oils Limited.....	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils Limited.....	509-8th Avenue, W., Calgary	Lloydminster and Joseph Lake
Taylor Petroleum Operators Ltd.	308-8th Ave. W., Calgary.....	Leduc and Stettler
Texaco Exploration Company.....	809-4th Street West, Calgary	Redwater and Calmar
Three Point Petroleums Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Turner Valley Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanpeg Royalties Well No. 1	301 Lancaster Bldg., Calgary.....	Turner Valley
Vulcan Brown Petroleums Limited	232 Lougheed Bldg., Calgary	Turner Valley
Wain-Con Oils Limited	112 Thomson Bldg., Edmonton.....	Wainwright
Wainwright Refineries Ltd.....	Wainwright	Wainwright
Western Developments Ltd.	24 Michael Bldg., Calgary	Lloydminster and Vermilion
Western Leaseholds Ltd.	24 Michael Bldg., Calgary	Redwater
Western Mineral Properties of Honolulu Oil Corporation, Barnsall Oil Company, Seaboard Company of Delaware and Los Nietos Company.....	735-8th Ave. W., Calgary.....	Redwater
Western Petroleums Operators Limited....	407 Lancaster Bldg., Calgary.....	Turner Valley
Westside Royalties Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Winalta Royalties Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Winlloyd Oils Limited	215 Douglas Bldg., Windsor, Ont.....	Lloydminster
York Oils Limited	221A-8th Ave. W., Calgary.....	Turner Valley
Yorkton Investors Syndicate	Yorkton, Sask.	Lloydminster
Northwest Territories:		
Imperial Oil Ltd. (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 1949 amounted to 60,457,177 M cubic feet valued at \$11,620,302. These figures include the natural gas sold for domestic, industrial and other uses and also the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included.

As in preceding years Alberta was the leading province with a production of 51,179,779 M cubic feet. The Turner Valley field produced 27,312,300 M cubic feet and the Viking-Kinsella field was next with 14,682,629 M cubic feet. In 1949 the natural gas in Alberta was valued at the well head at a price per

unit which was lower than the price to consumers which was used in calculating the total values in previous years. Production of natural gas increased considerably in Saskatchewan, but there was a decline in output in Ontario and New Brunswick.

In 1949 there were 2,223 persons employed in this industry to whom \$4,713,266 was distributed in salaries and wages. Fuel cost \$51,670 and 254,962 k.w.h. of electricity cost \$7,290. Process supplies used were valued at \$4,552. Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry.

TABLE 14. Principal Statistics for the Natural Gas Industry, 1940-1949

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
							\$
1940.....	236	3,438	2,189	2,748,740	85,561	8,793	11,203,103
1941.....	231	3,424	2,161	2,841,795	103,229	4,975	11,223,103
1942.....	212	3,566	1,940	2,826,811	92,489	12,313	11,356,350
1943.....	191	3,558	1,882	2,846,514	181,841	7,899	11,552,696
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

1. See footnote to Table 15.

TABLE 15. Principal Statistics, by Provinces, 1948 and 1949

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
1948							
New Brunswick.....	2	39	90	177,426	10,287	—	307,310
Ontario.....	150	3,629	1,004	1,310,207	4,286	4,469	6,958,247
Saskatchewan.....	2	18	6	8,042	—	—	47,727
Alberta.....	21	147	731	1,423,266	48,007	16	7,376,453
Canada	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949							
New Brunswick.....	2	40	89	183,785	4,926	—	174,226
Ontario.....	156	3,712	1,311	2,854,251	14,105	4,518	8,826,634
Saskatchewan.....	2	13	14	15,356	—	—	81,292
Alberta.....	24	162	809	1,659,874	39,929	34	8,500,360
Canada	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512

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 16. Production of Natural Gas, 1930-1949

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1930.....	29,376,919	10,289,985	1940.....	41,232,125	13,000,593
1931.....	25,874,723	9,026,754	1941.....	43,495,353	12,665,116
1932.....	23,420,174	8,899,462	1942.....	45,697,359	13,301,655
1933.....	23,138,103	8,712,234	1943.....	44,276,216	13,159,418
1934.....	23,162,324	8,759,652	1944.....	45,067,158	11,422,541
1935.....	24,910,786	9,363,141	1945.....	48,411,585	12,309,564
1936.....	28,113,348	10,762,243	1946.....	47,900,484	12,165,050
1937.....	32,380,991	11,674,802	1947.....	52,656,567	13,429,558
1938.....	33,444,791	11,587,450	1948.....	58,603,269	15,632,507
1939.....	35,185,146	12,507,307	1949.....	60,457,177	11,620,302

TABLE 17. Production of Natural Gas, by Provinces, 1940-1949

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	(M cubic feet)					
1940.....	616,041	13,053,403	100,773	27,459,808	1,500	41,232,125 ¹
1941.....	653,542	11,828,703	106,168	30,905,440	1,500	43,495,353
1942.....	619,380	10,476,770	117,124	34,482,585	1,500	45,697,359
1943.....	675,029	7,914,408	116,201	35,569,078	1,500	44,276,216
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

1. Includes 600 M cu. ft. in Manitoba.

TABLE 18. Production¹ of Natural Gas, by Provinces, 1948 and 1949

Province	1948		1949	
	M cu. ft.	Value	M cu. ft.	Value
		\$		\$
New Brunswick.....	420,352	287,446	375,035	146,864
Ontario.....	8,590,429	6,958,247	8,024,213	8,826,634
Saskatchewan.....	477,271	47,727	812,916	81,292
Alberta.....	48,965,217	8,324,087	51,179,779	2,558,989
Northwest Territories.....	150,000	15,000	65,234	6,523
Canada.....	58,603,269	15,632,507	60,457,177	11,620,302

1. Sold and used by producers.

TABLE 19. Production¹ of Natural Gas, by Months and by Provinces, 1949

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
(M cu. ft.)					
January.....	42,516	773,557	114,027	6,770,029	7,705,565
February.....	38,446	692,327	72,166	6,142,694	6,951,069
March.....	36,084	703,661	88,536	4,916,028	5,749,745
April.....	36,493	704,068	51,644	3,427,936	4,225,577
May.....	32,708	725,404	30,296	3,084,002	3,877,846
June.....	30,508	606,978	29,377	2,813,620	3,485,920
July.....	23,646	531,941	30,009	2,737,704	3,328,737
August.....	18,554	563,918	35,747	2,737,751	3,361,406
September.....	24,085	610,468	56,600	3,027,946	3,724,535
October.....	28,642	614,314	104,015	4,282,904	5,035,311
November.....	31,657	709,457	59,130	4,162,862	4,968,542
December.....	31,696	788,120	141,369	7,076,303	8,042,924
Total.....	375,035	8,024,213	812,916	51,179,779	60,457,177

1. Sales and consumption by producers.

2. Includes 65,234 M cu. ft. in the Northwest Territories.

TABLE 20. Production¹ of Natural Gas in Alberta, by Fields, 1949

Field	M cu. ft.	Field	M cu. ft.
Leduc.....	1,187,566	Lloydminster.....	826,021
Turner Valley.....	27,312,300	Pekisko.....	660
Foremost.....	182,778	Princess.....	216,685
Medicine Hat.....	3,483,451	Red Coulee.....	4,056
Redcliff.....	1,368,230	Redwater.....	14,122
Viking—Kinsella.....	14,682,529	Stettler.....	317
Athabasca.....	66,751	St. Paul.....	98,517
Bow Island.....	453,190	Suffield.....	113,459
Brooks.....	133,659	Tilley.....	23,817
Campbell.....	721	Vermilion.....	637,847
Del Bonita.....	1,650	Wainwright.....	215,109
Elk Point.....	156,294	Total Alberta.....	51,179,779
Hanna.....	50		

1. Does not include waste gas and absorption plant shrinkage amounting to about 15 million M cu. ft.

TABLE 21. Production of Natural Gas in Ontario, by Fields, 1948 and 1949

County	Field	1948	1949
		(M cu. ft.)	
Essex.....	Kingsville.....	18,357	17,006
Kent.....	Tillbury, Romney and Raleigh.....	2,210,665	2,251,740
	Dover.....	134,780	100,431
	Chatham.....	636,226	435,474
	Zone.....	1,488,010	681,940
Lambton.....	Dawn.....	1,241,433	1,798,924
	Oil Springs.....		
Oxford.....	Brownsville.....	25,816	66,849
Elgin.....	Bayham.....	48,526	23,892
Norfolk.....	Malahide.....	10,866	
Lincoln.....	Norfolk.....	413,970	372,165
Haldimand.....	Lincoln.....	1,772,101	1,684,216
Wentworth.....	Haldimand.....		
Welland.....	Wentworth.....	471,488	455,461
Brant.....	Weiland.....		
Wells in surface drift.....	Onondaga, Brantford and Tuscarora.....		
Private wells.....	Harwich and Howard Tps.....	51,691	49,615
		6,500	6,500
		60,000	80,000
Total Produced.....		8,590,429	8,024,213

TABLE 22. Number of Gas Wells, by Provinces, 1947-1949

		New Brunswick	Ontario	Saskatchewan	Alberta	Canada
Productive wells at beginning of year.....	1947	41	3,580	4	134	3,759
1948	43	3,608	4	142	3,797	
1949	37	3,629	18	147	3,831	
Number of productive wells drilled.....	1947	2	190	—	11	203
1948	1	212	16	6	235	
1949	1	227	—	19	247	
Number of dry wells drilled.....	1947	2	106	—	—	108
1948	—	107	2	1	110	
1949	2	104	—	—	106	
Number of wells abandoned.....	1947	—	120	—	3	123
1948	7	195	2	1	205	
1949	—	197	5	4	206	
Productive wells at end of year.....	1947	43	3,608	4	142	3,797
1948	37	3,629	18	147	3,831	
1949	38	3,712	13	162	3,925	

TABLE 23. Natural Gas Pipeline Mileage, 1947 and 1948

Province	Actual Miles of Mains				Miles of Equivalent 3" Mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1948	1949	1948	1949	1948	1949	1948	1949
New Brunswick.....	20	20	65	65	36	36	73	73
Ontario.....	2,289	2,242	1,990	1,987	3,798	3,806	2,228	2,258
Saskatchewan.....	10	23	—	12	15	32	—	10
Alberta	916	929	826	942	2,950	3,078	1,282	1,387
Canada	3,235	3,214	2,881	3,006	6,799	6,952	3,583	3,728

TABLE 24. Sales¹ of Manufactured and Natural Gas, 1948 and 1949

	1948			1949		
	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.....	540,781	14,481,351	17,608,776	540,384	14,323,521	18,160,349
House heating.....	5,179	2,113,794	1,444,026	6,172	2,030,443	1,573,323
Industrial	9,788	4,024,599	3,210,386	2,731	4,049,607	3,403,358
Commercial.....	24,172	4,975,321	4,812,378	31,666	5,491,153	5,512,163
Miscellaneous	124	32,634	33,213	76	18,544	25,802
Total.....	580,044	25,627,699	27,108,779	581,029	25,913,268	28,674,995
Natural Gas						
Domestic.....	203,291	20,992,397	10,139,163	213,255	21,662,603	11,372,530
Industrial	1,737	12,825,474	2,576,805	1,789	14,438,949	3,167,287
Commercial.....	13,986	9,831,775	2,610,828	14,736	10,501,941	2,884,957
Miscellaneous	343	155,028	34,297	458	154,056	41,476
Total.....	219,357	43,804,674	15,361,093	230,238	46,757,549	17,466,250
Total - All Gas....	799,401	69,432,373	42,469,872	811,267	72,670,817	46,141,245

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

TABLE 25. Sales¹ of Natural Gas, by Areas, 1948 and 1949

	1948		1949	
	Quantity sold		Revenue from sales	Quantity sold
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic.....	6,565,829	6,112,998	6,060,253	6,876,982
Industrial.....	1,300,502	1,105,061	1,285,978	1,349,845
Commercial.....	586,660	493,647	593,556	622,591
Miscellaneous ²	40,199	28,617	45,578	34,235
Total.....	8,493,190	7,740,323	7,985,365	8,883,653
Western Canada				
Domestic.....	14,426,568	4,026,165	15,602,350	4,495,548
Industrial.....	11,524,972	1,471,744	13,152,971	1,817,442
Commercial.....	9,245,115	2,117,181	9,908,385	2,262,366
Miscellaneous ²	114,829	5,680	108,478	7,241
Total.....	35,311,484	7,620,770	38,772,184	8,582,597
Canada — Total				
Domestic.....	20,992,397	10,139,163	21,662,603	11,372,530
Industrial.....	12,825,474	2,576,805	14,438,949	3,167,287
Commercial.....	9,831,775	2,610,828	10,501,941	2,884,957
Miscellaneous ²	155,028	34,297	154,056	41,476
Total.....	43,804,674	15,361,093	46,757,549	17,466,250

1. See footnote to table 24.

2. Includes some free customers.

TABLE 26. Employees and Their Earnings in the Natural Gas Industry, 1948 and 1949

	Number of Employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1948								
New Brunswick.....	—	—	88	2	90	—	177,426	177,426
Ontario.....	73	70	858	3	1,004	141,198	1,169,009	1,310,207
Saskatchewan.....	1	1	3	1	6	300	7,742	8,042
Alberta.....	81	41	599	10	731	275,763	1,147,503	1,423,266
Canada.....	155	112	1,548	16	1,831	417,261	2,501,680	2,918,941
1949								
New Brunswick.....	—	—	87	2	89	—	183,785	183,785
Ontario.....	199	151	958	3	1,311	764,768	2,089,483	2,854,251
Saskatchewan.....	1	—	13	—	14	500	14,856	15,356
Alberta.....	107	40	650	12	809	335,612	1,324,262	1,659,874
Canada.....	307	191	1,708	17	2,223	1,100,880	3,612,386	4,713,266

TABLE 27. Number of Workmen, by months, 1948 and 1949 (On the last work-day of each month)

Month	1948			1949		
	Male	Female	Total	Male	Female	Total
January.....	1,172	14	1,186	1,273	18	1,291
February	1,161	17	1,178	1,262	15	1,277
March.....	1,192	11	1,203	1,250	14	1,264
April.....	1,289	9	1,298	1,454	12	1,466
May.....	1,652	13	1,665	1,766	14	1,780
June.....	1,836	15	1,851	1,920	18	1,938
July	1,853	20	1,873	1,949	16	1,965
August.....	1,814	17	1,831	1,992	17	2,009
September.....	1,777	21	1,798	1,941	16	1,957
October.....	1,799	17	1,816	1,911	16	1,927
November.....	1,567	16	1,583	1,833	15	1,848
December.....	1,323	16	1,339	1,495	16	1,511
Average	1,548	16	1,564	1,708	17	1,725

Directory of Firms in the Natural Gas Industry - 1949

1. Distributing.
 2. Drilling and producing.
 3. Drilling only.
 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:		
Acme Gas Syndicate.....	Ridgeway.....	Bertie
Amer-Can Gas & Oil Co.....	215 King St. W., Chatham	Dover
Barnhart, Mr. & Mrs. E.....	Stevensville.....	Bertie
Bates, Norman	Port Colborne	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	
Beaver Oil & Gas Syndicate.....	67 Yonge St., Toronto.....	Walpole
Belmont Gas Co. ¹	Belmont.....	
Benn, A. S.....	Hagersville	Walpole
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
Brindley & Harper.....	Bradford, Pa., U.S.A.	Brantford
Broadway Gas Syndicate	Cayuga.....	Walpole
Buck, C. S.....	Port Rowan	Walsingham South
Burchell Natural Gas and Oil Syndicate...	Listowel.....	Woodhouse
Canada Cement Company Limited.....	Montreal, Quebec.....	Wainfleet
Canfield Natural Gas Company Limited...	Dunnville.....	Cayuga North
Cartwright, S. E.....	2377 Penobscot Bldg., Detroit, Mich., U.S.A.	Walpole

Directory of Firms in the Natural Gas Industry — 1949 — Con.

Name	Address	Location of Field
Ontario — Con.		
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
Chippawa Creek Gas Syndicate.....	Drawer 200, Fort Erie.....	Bertie and Willoughby
Chira Gas Syndicate ¹	Brownsville.....	
Clover Mat Syndicate.....	Fort Erie	Woodhouse
Coleman, Ada S.....	Wellandport	Gainsboro
Commonwealth Oil & Gas Syndicate.....	Port Colborne	Humberstone
Coronation Gas Syndicate.....	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Dawson, Ralph.....	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie	Bertie
Dickout Bros.....	Lowbanks	Moulton
DiMartile, T. A. ²	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
Edward, Fred Gas Project	Petrolia.....	Enniskillen
Elk Development Syndicate.....	Bradford, Pa., U.S.A.	Humberstone
Emerson, H. L.....	Dunnville.....	Moulton, Canboro, Gainsboro, Cayuga South and Wainfleet
Erie Prospecting Syndicate.....	Ridgeway.....	Bertie
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville.....	Rainham
Fleet Manufacturing Limited	Fort Erie	Bertie
Fletcher & Messner.....	Selkirk	Rainham
Fletcher, Eva	Glanford Station	Binbrook
Fonthill Ridgeville Gas Co. Ltd. ¹	Fonthill.....	
Fox, E. S.....	Welland	Thorold
Garrison Gas Syndicate.....	Fort Erie	Bertie
George, Mrs. A.....	Fort Erie	Bertie
George, Frank.....	Fort Erie	Bertie
Glenney, E.....	Dunnville.....	Canboro
Goodfellow, G. ³	Dunnville.....	
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited...	Grimsby.....	Caistor, Gainsboro and Canboro
Hagersville Quarries Limited	Hagersville	Walpole
Haidon, R. ²	Chippawa.....	Willoughby
Haldimand Natural Gas Syndicate.....	Stevensville	Bertie
Haldimand Gas Syndicate.....	Cayuga.....	Rainham and Cayuga North
Highbank Oil Limited	Chatham	Raleigh
Hock, Albert.....	Wainfleet	Wainfleet
Hoover, A. E. Estate ³	Selkirk	
Houk Syndicate	Dunnville.....	Moulton
House, C. C.	Stevensville	Bertie
Ideal Gas Syndicate	Fisherville.....	Rainham

Directory of Firms in the Natural Gas Industry — 1949 — Con.

Name	Address	Location of Field
Ontario — Con.:		
Imperial Oil Ltd.	56 Church St., Toronto	Moore, Sombra, Raleigh, and Dover
Jackson, F. W. ³	Sarnia.....	
Jackson, P. L. ²	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn, and Cayuga South
Jasperson, Bon Estate	Kingsville	Gosfield South and Romney
Jenkins, S. S.....	Fort Erie.....	Bertie and Townsend
Kerr, Robert.....	York.....	Senaca
Kramer, Harry.....	Port Colborne.....	Humberstone
Lake Erie Gas Syndicate	54 Hambly Ave., Toronto	Rainham
Lake Shore Gas & Oil Syndicate.....	Ridgeway.....	Bertie
Langan & Gresham	Welland.....	Thorold
Lapp & Arendt.....	Stevensville.....	Bertie
Leamington, Town of ¹	Leamington.....	
Lincoln Natural Gas Co. Ltd.	Malton	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited.....	24 King St. W., Toronto	Middleton and Cayuga South
London, City of, Gas Company ¹	London	
Lymburner Bros. and Webber.....	Dunnville	Cayuga North, Rainham and Walpole
MacIntyre & Hawkins.....	Stevensville.....	Humberstone
Manock Gas Syndicate.....	Fort Erie.....	Bertie
McGaffey, Roy ³	Bothwell	
McKechnie, S. Estate.....	Dunnville	Walpole
McMaster, W. R.....	Caledonia	Binbrook
McPherson, R. L. ³	851 Tuscarora, Windsor	
Mehlenbacher, L. B. Gas Syndicate.....	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul.....	Fort Erie.....	Willoughby
Minor & Luck	Barrie.....	Sherbrooke
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate.....	Fisherville	Walpole, Dunn and Cayuga South
Morningstar Gas Well	Ridgeway	Bertie
Nevada Gas Syndicate.....	Fort Erie.....	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond.....	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	
North Cayuga Gas Co.....	Cayuga	Cayuga North
North Shore Gas Co.....	Selkirk.....	Rainham
Noyes, L. A.....	Stevensville.....	Willoughby
Oil Springs Oil & Gas Co. Ltd. ¹	Oil Springs	
Palsco, J. ¹	Wainfleet.....	
Patterson & Culver.....	Dunnville	Oneida

Directory of Firms in the Natural Gas Industry - 1949 - Con.

Name	Address	Location of Field
Ontario - Con.:		
Patterson, W. C. Gas Co. Ltd. ²	Box 914, Jamestown, N.Y., U.S.A.....	Dunn, Rainham, Walpole, Ca-yuga North, Wainfleet, Willoughby, Crowland and Humberstone
Peacock Point Gas & Oil Syndicate.....	Fisherville.....	Walpole
Petrol Oil & Gas Co. Ltd.	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora
Port Colborne - Welland Gas Co. ²	Port Colborne	Senaca, Cayuga North, Oneida and Onondaga
Povec Gas Syndicate.....	Tillsonburg	Canboro
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
Raydis Oil & Gas Company Limited.....	118 King St. W., Chatham	Norfolk
Reicheld, F. W. ²	Jarvis	Walpole
Ricker, E. A. ³	Canboro.....	
Riverside Syndicate	Welland	Welland
Rocks Mill Gas & Oil Syndicate.....	London.....	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto.....	Wainfleet
Roth, Frank.....	Ridgeway.....	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruegg, J. A.....	Ridgeway.....	Bertie
Salina Gas Company Limited.....	317 Queen St., Chatham.....	Tilbury East
Sandusk Gas Syndicate	Fisherville.....	Walpole
Sarnia Oil & Gas Co. Ltd.	302 Bay St., Toronto	Enniskillen
Schweyer, Benner & Tinney ³	Fisherville.....	
Shank & Snively	Selkirk	Oneida
Sherk & Carrothers.....	Sherkston.....	Humberstone
Sherk & Learn.....	Sherkston.....	Humberstone
Sherk & Nagel.....	Stevensville	Bertie
Sherk, Perry M.	Sherkston.....	Humberstone
Shurr, Ivan	Cayuga.....	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston.....	Humberstone
Sider, Ralph ²	Ridgeway.....	Moulton and Bertie
Smith & Ehde.....	Lowbanks	Moulton and Dunn
Smith, H.....	373 Oak Ave., Windsor.....	Romney
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
Stover, F. H. & Associates.....	Chatham	Raleigh
Streets, C. & O. W.....	Fort Erie	Bertie
Sundy Gas Wells.....	Dunnville.....	Canboro
Sunnyside Gas Syndicate.....	Port Colborne	Humberstone

Directory of Firms in the Natural Gas Industry - 1949 - Con.

Name	Address	Location of Field
Ontario — Con.:		
Swayze, H.....	Hagersville	Oneida
Tanke, E.....	393 Delaware Ave., Buffalo, N.Y., U.S.A....	Thorold
Tart, N. ³	Port Dover	
Till Gas Syndicate	Tillsonburg	Walpole
Tyrrell, E. W.	Fort Erie	Bertie
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
Valhalla Gas Syndicate	Fort Erie	Crowland and Thorold
Victoria Gas Co.....	Dunville.....	Rainham and Walpole
Victory Gas Syndicate.....	Huron & Erie Bldg., London.....	Windham
Walpole Gas Syndicate	Cayuga.....	Walpole, Cayuga North and Senaca
Walter Gas Syndicate Ltd. ²	Simcoe	Woodhouse, Townsend, Wal- singham South and Walpole
Warren Gas Syndicate.....	Cayuga.....	Bayham and Dereham
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
West Petroleum Limited.....	50 King St. W., Toronto.....	Romney
Wilkinson Gas Syndicate.....	Fort Erie	Thorold
Willoughby Gas Syndicate	Chippawa.....	Humberstone
Wood, Ray	Chatham	Townsend
Saskatchewan:		
Bata Petroleum Ltd.....	310 Broder Bldg., Regina	Unity
Franco Oils Limited	Vermilion.....	Lone Rock
Lloydminster Gas Co. Ltd. ^{1, 2}	Lloydminster	Lloydminster
Northern Gas Distributors Ltd.....	Kamsack.....	Kamsack
Alberta:		
Alberta Clay Products Co. Ltd.....	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Alberta Pacific Royalties Limited.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Allied Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
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	
Atlantic Oil Company Limited.....	304 Toronto General Trusts Bldg., Calgary	Leduc
Bonnyville Gas Company Limited	Bonnyville	
British American Oil Company Limited ⁴ ...	Royal Bank Bldg., Toronto, Ont.....	
British Dominion Oil & Development Corporation Limited	213 Dominion Bank Bldg., Calgary	Turner Valley
Calmont Oils Limited.....	303 Toronto General Trusts Bldg., Calgary	Turner Valley and Leduc
Canadian Pacific Railway Company	Montreal, Quebec.....	Medicine Hat
Canadian Western Natural Gas Company Limited.....	215 - 6th Ave. W., Calgary	Brooks

Directory of Firms in the Natural Gas Industry - 1949 - Conc.

Name	Address	Location of Field
Alberta - Con.:		
Canadian Western Power & Fuel Co. Ltd....	Redcliff.....	Redcliff
Coastal Oils Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Continental Oil Co. of Canada Limited....	407 Lancaster Bldg., Calgary.....	Turner Valley and Leduc
Crude Oils Limited.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley
Davies Petroleums Limited.....	409 Lancaster Bldg., Calgary.....	Turner Valley
Department of National Defence.....	Suffield	Suffield
Dominion Glass Company Limited.....	1111 Beaver Hall Hill, Montreal, Quebec	Medicine Hat
Drillers & Producers Ltd.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley
Extension Oil Royalties Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited....	300-9th. Ave. W., Calgary.....	Turner Valley
Franco Public Service Limited	Vermilion.....	Vermilion
Gunderson Brick & Coal Co. Ltd.....	Redcliff.....	Redcliff
Harris Wells Ltd.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Home Oil Company Limited.....	226 Lougheed Bldg., Calgary	Turner Valley and Leduc
Imperial Oil Limited.....	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Wood-bend, Redwater, Lloydminster and Viking Kinsella
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chamber, Edmonton	Fabyan
Kamalta Limited.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Major Oil Investments Limited.....	407 Lancaster Bldg., Calgary.....	Turner Valley
Maple Leaf Milling Co. Limited	Dominion Bank Bldg., Toronto, Ont.	Medicine Hat
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.....	Box 100, Medicine Hat.....	Medicine Hat
Miracle Royalties Wells	301 Lancaster Bldg., Calgary.....	Turner Valley
Northwestern Utilities Limited	10124 - 104 St., Edmonton	Viking Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Que.....	Medicine Hat
Pacific Petroleums Ltd.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley, Princess and Redwater
Redcliff Premier Brick Co. Ltd.....	Redcliff.....	Redcliff
Redcliff Pressed Brick Co. Ltd.	Redcliff.....	Redcliff
Royalite Oil Company Limited ⁴	606 - 2nd St. W., Calgary.....	Turner Valley
Southwest Petroleum Co. Ltd.	300-9th Ave. W., Calgary.....	Turner Valley
Suffield Gas Supply.....	Suffield	Suffield
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils Limited	509 - 8th Ave. W., Calgary.....	Lloydminster
Taylor Petroleum Operators Ltd.....	308 - 8th Ave. W., Calgary.....	Leduc
Three Point Petroleums Limited	232 Lougheed Bldg., Calgary	Turner Valley
United Assets Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Valley Gas Company Limited ¹	Box L, Turner Valley.....	Turner Valley
Vulcan Brown Petroleums Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton	
Western Petroleum Operators Limited.....	407 Lancaster Bldg., Calgary.....	Turner Valley
Wetaskiwin, City of.....	Wetaskiwin.....	Wetaskiwin
York Oils Limited.....	221A - 8th Ave. W., Calgary.....	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ont.	Fort Norman



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