

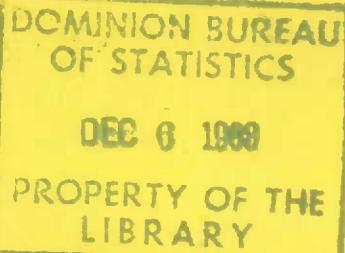
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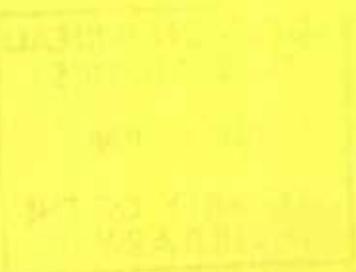


THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1965

No individual reports were issued for 1963 and 1964. This publication contains revised statistics covering the years 1961 to 1965 on the basis of a reorganization of the statistics due to changes in the classification concept of the industry. See introduction for full details.

DOMINION BUREAU OF STATISTICS



DOMINION BUREAU OF STATISTICS
Manufacturing and Primary Industries Division
Energy and Minerals Section

THE CRUDE PETROLEUM AND NATURAL GAS
INDUSTRY

1965

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SYMBOLS

The following standard symbols are used in
Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1965

In order to fully implement the uniform concepts of the Standard Industrial Classification, the Dominion Bureau of Statistics in co-operation with the Canadian Petroleum Association, has undertaken a major revision of statistics affecting the exploration and production activities of the oil and gas companies operating in Canada. All companies in the industry supplied data covering their expenditures by function, payroll and employment. In addition in 1965 nineteen major companies were surveyed in detail on all aspects of their operations. Detailed data were collected from these nineteen companies covering salaries and wages, materials and supplies, payments to contractors and total expenditures for both current and capital operations. As a result of these surveys and the re-working of historical data, it is now possible to present statistics from 1961 to 1965 on a revised basis that is comparable with other industries and which will be continued in future years. For comparative purposes the previous statistical series for the years 1961 - 1963 have been included. The following notes explain the changes in the series, the new concepts and definitions which have been used in this report and which will be used in succeeding publications.

The 1961 - 1963 series provided separate statistics for the two industries, Petroleum and Gas Wells (S.I.C. 063), and Natural Gas Processing Plants (S.I.C. 065) as defined in the Standard Industrial Classification Manual (Catalogue No. 12-501). However, due to the vertical integration and overlap of outputs and inputs between the Gas Well and Gas Processing Plant statistics the two industries (S.I.C. 063 and 065) have been combined into the Crude Petroleum and Natural Gas Industry, which also has been expanded to include the former industry S.I.C. 066 Oil Shale and Bituminous Sand Pits. The new Standard Industrial Classification code is S.I.C. 064.

With this publication the final revisions incorporating the Standard Industrial Classification and New Establishment Concept have been completed for the series 1961 - 1965, "The Crude Petroleum and Natural Gas Industry" (S.I.C. 064). This final stage is an extension of the definition of the establishment to cover "total activity" as well as producing activity of the establishment. The original series 1961 - 1963 shows only the producing activity directly attributable to either the Petroleum and Gas Wells (S.I.C. 063) or Natural Gas Processing Plants (S.I.C. 065).

Producing activity is defined as that activity in which expenditures are made by the company for the direct operation of producing facilities. These include gas processing plants, gas gathering lines, operated by the producers and the crude oil and natural gas well, well head and flow line facilities. Gas and oil gathering lines operated by oil and gas pipe line industries are included in Industry S.I.C. 515.

Total activity includes the producing activity plus an extension of the data for other non-producing activities that the establishment might be engaged in. Generally speaking these are the geological and geophysical activities although some companies have other small miscellaneous activities such as real estate or other operations. By definition "total activity" relates to all operational activity but excludes such non-operational data items as rent, interest and dividends.

The basic reporting unit is the "establishment" which is defined as the smallest unit which is a separate operating entity and capable of reporting all of the basic industrial statistics:

Materials and supplies used
Goods purchased for resale - as such
Fuel and power consumed
Number of employees and their pay
Inventories
Shipments or sales

In the oil and gas industry the smallest reporting unit is the provincial operations of the company, including all its oil and gas wells, processing plants and exploration activities. For example, a large company operating in Alberta, Saskatchewan and Ontario would have three establishments. Companies may also have separate marketing or other establishments not coded to the Crude Petroleum and Natural Gas Industry but coded to trade, construction, etc. The employees are generally located in head offices or regional offices within a province, and the staff work out of these offices in various field locations which change as the industry discovers, evaluates and develops various oil and gas fields.

Companies included in the Crude Petroleum and Natural Gas Industry explore for and produce crude petroleum, natural gas, propane, butane, sulphur and helium, either directly from the fields or from gas processing plants or oil sands processing plants. That is, the establishment boundary includes within it the facilities of the gas processing plants, the oil and gas fields, geological and geophysical exploration, and head office work for the above purposes as well as those carried on directly by these companies, and for such other ancillary services as are required to maintain such exploration or producing programmes. Although a company may be engaged in all phases of the industry, they may not necessarily be engaged in all phases in any one province. Refining and marketing activities of oil companies are not included in 064 but are coded to separate industries. It should be carefully noted that the companies engaged in geological and geophysical consulting, or as contractors, are not included in the 064 Crude Petroleum and Natural Gas Industry.

In our statistical publications, expenditures of the industry are segregated between those which are of a capital nature and those which are operational. The primary purpose of this report is to make available operational type data, while the basic statistics on capital expenditures are published by the Business Finance Division in Private and Public Investment in Canada, Catalogue No. 61-205. However, in order to present a complete picture in one report, statistics on capital formation are included here. Because of accounting practices in this industry, uniformity of definitions of capital and current expenditures are difficult to attain. As a result it has been necessary to define those items which are capital and those items which are current. In concert with the total cost accounting techniques and principles being developed in the industry, we have defined as capital, those expenditures for drilling (both exploratory and development), as well as the construction of oil and gas well facilities and other works of a permanent nature. In addition we treat land and land lease acquisition expenditures as capital in nature although not treated as "capital formation" for National Accounts purposes. Geological and geophysical expenditures and the field and well operations, natural gas plant operations and other operating expenses such as land departments, taxes, royalties, etc., are, as may be expected, treated as current expenditures (see Tables 8 and 9).

Electricity

Data refers to amounts purchased and used, with costs being delivered costs at plant and/or field. Electricity produced by establishments for internal consumption is not included in electricity purchases.

Contractor and Service Payments

These expenditures consist of payments made to geological and geophysical contract companies, to other contractors as a company may hire such as road grading, carpentry contractors, etc. In addition, all the service costs of a company such as automobile leasing, telephone expenditures, postage expenditures, insurance, service costs at producing wells, payments made for contract geophysical drilling and geophysical crews, consulting services, etc. are included.

Employment, Man-Hours, Salaries and Wages

Employees include salaried management, professional, technical and administrative personnel, plus production, field, plant and related workers, which comprise both the producing and non-producing activities.

Production and related workers are reported as those receiving pay during the last pay period in the respective month. The numbers are somewhat affected by turnover, in that employment may be overstated when an employee changes employment in the middle of a pay period.

Man-hours, of production and related workers in producing activities represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour.

Salaries and Wages (Tables 1 and 16) refer to gross earnings of all employees before deductions for income tax and employees' contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages and bonuses, profits shared with employees, commissions (paid to regular employees only), as well as any other allowance forming part of the worker's earnings. Payments for overtime are included. They do not include the company share of benefit plans.

In addition to salaries and wages as provided in Tables 1 and 16, data are provided which allocate salaries and wages by function, by province (Table 8). These salaries and wages include, in addition to the employee's portion of benefit plans, etc., the company's share of benefits paid, such as workmen's compensation, health plans, pension plans, etc., but exclude salaries and wages paid for capital works which are included in Table 16. The basis of allocation to province is different in the two series. Employees working in Calgary on a Saskatchewan project are charged to Saskatchewan operations; however, salaries and wages in Tables 1 and 16 are those paid by the province of location of the employee (in this case Alberta).

In the 1961 - 1963 (S.I.C. 063 and S.I.C. 065) the salaries and wages series includes only production and related workers, and administration employees located at the well head or plant. The new combined Crude Petroleum and Natural Gas Industry series (S.I.C. 064) 1961 - 1965 includes the above workers and all management, professional and clerical employees working within the boundaries of the industry, at the company head offices or elsewhere.

Definitions

Production

Gross New Production - All new production excluding reproduction from field storage as measured at the first well head metering point.

Net New Production - "Gross New Production" after the deduction of flared field production. It is the production that is available for further processing, sale, storage, field uses, etc.

Production Net Withdrawals - "Net New Production" after deducting the gas or oil that is reinjected into the field pools.

Marketable Production - The production of gas, oil, propane, butane, etc., which is produced and available for market; i.e. the production of natural gas products produced by gas processing plants after processing plant uses and losses, the sales of natural gas from dry gas fields after field use, losses, reinjection, etc., or the production for sale of crude oil after field use and losses, reinjection, etc., but before inventory changes.

Shipments

The quantity and value of the marketable production that has actually been shipped. For natural gas, marketable production and shipments are identical; however, for the other commodities the differences are the inventory changes which may occur because a company may produce and accumulate an inventory and ship either a smaller or larger amount than its marketable production.

Materials and Supplies used in Producing Activities

Data provided in Table 8 represent quantities and laid down cost at the establishment, of materials, supplies, chemicals, explosives and components consumed during the year in producing activities. In the oil and gas industry it is not practical to estimate the amount of materials that are used as fuel, since this amount represents only a small part of the total energy requirements of the industry and company accounting records do not provide this breakdown. For this reason the amount of fuel purchased and used is shown as a component of materials and supplies. The statistics represent only commodity items or physical goods (costs of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Respondents were requested to report materials and supplies used, not purchased. Included are repair and maintenance supplies not chargeable to fixed assets accounts, cost of repairs or maintenance and other work done by outside contractors and cost of returnable containers are included in contractor and service payment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment operated cafeterias and lunch counters, first aid medical supplies, laboratory supplies, etc.

Valued Added

(a) By production activities:

Is defined as the value of marketable production less materials and supplies, fuel and electricity consumed in the production of hydrocarbons, sulphur, etc.

(b) By total activity:

Consists of the value added by production activities given above plus the value added by other activities and capital formation. In practice this is represented by the establishments salary and wage component of the capitalized value of these assets less the cost of materials and supplies used in geological and geophysical operation. In the event there is a small value of production and large geological and geophysical operations it is evident a negative value added would result.

Survey Results

During the period 1961 - 1965 the Crude Petroleum and Natural Gas Industry's value of marketable production showed a compound growth rate of 12.5 per cent a year, although this increase was not uniformly distributed. Crude oil production value showed a compound growth rate of only 9.1 per cent a year while natural gas increased 21.2 per cent a year. The products of natural gas processing plants, that is pentanes plus, propane, butane and sulphur more than tripled in the same period; helium was first produced in 1964.

Due to reasons of confidentiality of individual company data it is not possible to provide marketable production values shown by province. However, the value of shipments of the hydrocarbons by province are shown separately in Table 6. Alberta's dominance is well illustrated when in 1965 they shipped \$680,000,000 worth of hydrocarbon products compared to the Canadian total of \$956,000,000.

Growth rate for employment in the four year period was only 1.4 per cent. The slow rate of increase in employment has been caused by increasing automation, and concentration of staff into central offices such as Calgary. Alberta in 1961 had 82 per cent of all employees in the industry, but this proportion increased to 84 per cent in 1965, while production workers showed absolute decreases in most provinces including Alberta.

In 1965 the statistics collected for Canada indicates that 5.3 per cent of all staff worked in management, 22.2 per cent in professional and technical categories, and the specialists, clerical and administrative group represented 44.9 per cent. The field, plant and related workers composed 27.6 per cent of the work force.

Operating expenditures rose from \$321,000,000 in 1961 to \$478,000,000 in 1965 representing a compound growth rate of 10.4 per cent. The largest individual item was royalties accounting for 24 per cent of the total expenditures in 1965. The next largest item, field and well operations, accounted for about 23 per cent of total operating expenditures. This in turn was followed by land and lease retention costs, geological and geophysical and natural gas processing plant operating expenditures.

Total value added for the industry has increased by 12.3 per cent growth rate in the four year period rising from \$599,000,000 to \$952,000,000.

TABLE 1. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province - 1961-63

Note: Basis: Revised standard industrial classification and new establishment concept

Year and province	Estab- lish- ments	Producing activity						Total activity					
		Production and related workers			Cost of elec- tricity	Cost of materials supplies and fuel	Value of marketable production	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.	'000			\$'000				\$'000		\$'000		\$'000
	<u>1961</u>												
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	12	21	41	-	24	172	148	-	-	15	56	147
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	195	279	508	806	105	373	9,217	8,739	-	-	397	1,493	9,022
Manitoba	32	74	150	357	341	227	10,156	9,588	-	-	108	529	9,555
Saskatchewan	128	545	1,147	2,787	2,742	2,151	119,716	114,823	-	-	1,127	6,590	115,550
Alberta	238	2,421	5,208	13,513	6,715	11,907	455,039	436,417	-	-	9,148	59,913	451,013
British Columbia	35	112	256	654	-	312	13,757	13,445	-	-	367	2,407	13,993
Yukon, Northwest Territories and Arctic Islands	3	21	44	180	-	224	744	520	-	-	22	191	(378)
Totals	632	3,464	7,334	18,338	9,903	15,218	608,801	583,680	-	-	11,184	71,179	598,902
	<u>1962</u>												
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	11	24	35	-	22	166	144	-	-	14	48	143
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	179	243	469	812	102	411	9,535	9,022	-	-	348	1,628	9,329
Manitoba	40	55	122	256	306	202	9,436	8,928	-	-	86	427	8,973
Saskatchewan	130	530	1,113	2,707	3,195	2,353	146,402	140,854	-	-	1,032	5,889	141,644
Alberta	236	2,471	5,256	14,654	7,634	14,279	510,942	489,029	-	-	9,243	63,954	499,124
British Columbia	29	171	394	1,023	-	689	30,544	29,855	-	-	498	3,308	30,863
Yukon, Northwest Territories and Arctic Islands	6	9	18	55	-	224	812	588	-	-	11	71	(1)
Totals	621	3,490	7,396	19,542	11,237	18,180	707,837	678,420	-	-	11,232	75,325	690,075
	<u>1963</u>												
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	9	22	33	-	22	136	114	-	-	11	48	113
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	165	220	403	769	108	401	9,865	9,356	-	-	312	1,469	9,629
Manitoba	41	59	117	296	284	192	9,177	8,701	-	-	82	432	8,800
Saskatchewan	133	519	1,066	2,770	3,916	3,111	165,471	158,526	-	-	1,056	6,281	159,678
Alberta	223	2,380	5,039	14,102	9,026	16,586	594,313	568,701	-	-	9,261	64,164	580,491
British Columbia	37	176	385	1,202	-	795	38,860	37,983	-	-	487	3,422	38,358
Yukon, Northwest Territories and Arctic Islands	24	15	43	108	-	224	635	411	-	-	28	196	(334)
Totals	624	3,378	7,075	19,280	13,334	21,331	818,457	783,792	-	-	11,237	76,012	796,444

TABLE 1. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province - 1961-65 - Concluded

Note: Basis: Revised standard industrial classification and new establishment concept

Year and province	Establishments	Producing activity							Total activity			
		Production and related workers			Cost of electricity	Cost of materials supplies and fuel	Value of marketable production	Value added	Working owners and partners		Employees	
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages
	No.	'000			\$'000				\$'000		\$'000	
1964												
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	6	14	19	-	12	117	105	-	-	7	28
Quebec	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	136	215	433	766	114	419	9,239	8,706	-	-	313	1,512
Manitoba	50	71	153	350	261	177	10,296	9,858	-	-	104	532
Saskatchewan	136	465	1,020	2,714	4,286	3,205	192,855	185,364	-	-	952	6,134
Alberta	228	2,357	5,185	13,775	8,870	17,425	651,275	624,980	-	-	9,405	65,953
British Columbia	56	169	380	1,094	-	798	39,321	38,523	-	-	419	2,826
Yukon, Northwest Territories and Arctic Islands	33	19	51	166	-	135	470	335	-	-	42	321
Totals	640	3,302	7,236	18,884	13,531	22,171	903,573	867,871	-	-	11,242	77,306
												880,828
1965												
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	2	6	16	27	-	9	105	96	-	-	6	27
Quebec	3	-	-	-	-	-	-	-	-	-	8	58
Ontario	107	226	480	1,209	120	385	9,855	9,350	-	-	353	2,069
Manitoba	60	63	128	296	266	183	11,530	11,081	-	-	91	485
Saskatchewan	139	503	1,076	3,019	4,754	3,951	207,627	198,922	-	-	990	6,522
Alberta	233	2,283	4,941	13,937	8,940	18,308	701,510	674,262	-	-	9,930	72,273
British Columbia	75	147	314	961	-	793	46,875	46,082	-	-	375	2,766
Yukon, Northwest Territories, Arctic Islands, Off Shore and Hudson Bay	56	34	95	240	-	95	633	538	-	-	64	487
Totals	675	3,262	7,050	19,689	14,080	23,724	978,135	940,331	-	-	11,817	84,687
												952,409

TABLE 2. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Value of production	Value added
		number			\$'000		
1957		519	5,594	27,379	5,399	10,107	461,502
1958	615	4,910	24,232	5,158	8,246	418,921	405,517
1959	618	4,765	25,507	6,261	8,711	451,197	436,225
1960	612	4,349	23,577	6,122	10,781	467,617	450,714
1961	581	4,157	23,648	6,160	8,343	569,567	555,064
1962	499	3,978	23,276	6,840	7,370	690,572	676,362
1963	568	3,657	21,823	7,165	8,273	754,798	739,360

TABLE 3. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), by Province - 1961-65

Note: Basis: Revised standard industrial classification and new establishment concept

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Value of production	Value added
number							
\$'000							
<u>1961</u>							
New Brunswick	1	12	41	5	-	160	155
Ontario	195	210	578	91	223	7,340	7,026
Manitoba	32	94	470	136	35	10,148	9,977
Saskatchewan	124	856	4,812	1,294	601	116,749	114,856
Alberta	195	2,666	15,630	4,327	6,979	423,221	411,915
British Columbia	33	297	1,926	266	437	11,168	10,465
Northwest Territories	1	22	191	41	68	781	672
Canada	581	4,157	23,648	6,160	8,343	569,567	555,064
<u>1962</u>							
New Brunswick	1	11	35	5	-	150	145
Ontario	158	168	562	98	185	7,257	6,976
Manitoba	36	45	182	112	33	9,539	9,394
Saskatchewan	121	808	4,684	1,725	829	137,246	134,692
Alberta	164	2,547	15,431	4,499	5,046	504,984	495,439
British Columbia	18	388	2,511	355	1,219	30,593	29,019
Northwest Territories	1	11	71	46	58	803	699
Canada	499	3,978	23,276	6,840	7,370	690,572	676,362
<u>1963</u>							
New Brunswick	1	9	33	6	8	121	107
Ontario	165	140	515	138	278	10,637	10,221
Manitoba	41	81	411	123	116	8,181	7,942
Saskatchewan	129	670	3,738	2,049	1,242	138,677	135,386
Alberta	173	2,319	14,086	4,252	5,068	554,392	545,072
British Columbia	35	410	2,844	457	1,439	42,171	40,275
Yukon and Northwest Territories	24	28	196	140	122	619	357
Canada	564	3,677	21,823	7,165	8,273	754,798	749,380

TABLE 4. Principal Statistics for the Natural Gas Processing Industry (S.I.C. 065), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Value of production	Value added
number							
\$'000							
<u>1957</u>							
1958	10	270	1,409	424	5,247	11,344	5,673
1959	14	411	2,093	734	9,501	17,509	7,276
1960	14	461	2,526	919	7,170	17,364	9,275
1961	30	669	3,790	1,288	25,624	45,763	18,851
1962	49	744	4,477	1,870	39,501	78,020	36,649
1963	50	845	5,563	2,872	63,727	119,656	53,057
	56	961	6,312	3,012	78,732	165,427	83,683

TABLE 5. Marketable Production and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

Products	1961		1962		1963		1964		1965		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
		\$'000		\$'000		\$'000		\$'000		\$'000	
Crude oil	bbls.	220,762,230	504,281	243,238,299	546,239	257,120,148	622,574	274,478,567	673,965	291,511,591	716,899
Condensate and pentanes plus	bbls.	8,764,792	20,250	17,593,152	39,698	21,740,013	54,400	25,264,469	64,127	27,867,535	71,084
Natural gas	Mcf.	560,760,276	68,320	775,886,909	98,096	846,898,532	116,721	944,280,103	134,551(1)	1,028,866,006	147,358(1)
Propane	bbls.	2,671,618	3,700	3,543,113	5,231	4,083,974	5,765	5,761,359	7,269	9,897,945	12,322
Butane	bbls.	2,155,239	2,802	2,357,553	3,134	2,973,529	4,040	5,295,774	7,235	6,376,637	8,379
Sulphur	long tons	480,699	9,448	1,029,421	15,439	1,270,493	14,957	1,460,423	16,426	1,572,691	21,853
Totals			608,801		707,837		818,457		903,573		978,135

(1) Includes value of helium.

TABLE 6. Value of Shipments of Hydrocarbon Products for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

Product	1961		1962		1963		1964		1965	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	\$'000		\$'000		\$'000		\$'000		\$'000	
<u>CANADA</u>										
Crude oil	'000 bbls	220,830,458	504,390	243,480,106	546,797	257,049,555	622,405	274,396,714	673,759	291,563,676
Condensate and pentanes plus	'000 bbls	8,736,092	20,194	17,602,379	39,720	21,721,681	54,354	25,274,655	64,153	27,868,568
Natural gas	Mcf.	560,760,276	68,320	775,886,909	98,096	846,898,532	116,721	944,280,103	134,394	1,028,866,006
Butane	'000 bbls	2,144,543	2,787	2,361,599	3,139	2,951,439	4,010	5,116,744	6,996	6,246,767
Propane	'000 bbls	2,737,977	3,788	3,457,116	5,108	4,015,981	5,674	5,793,366	7,305	9,679,846
Total value		599,479		692,860		803,164		886,607		955,640
<u>NEW BRUNSWICK</u>										
Crude oil	'000 bbls	12,024	14	10,333	15	7,391	10	4,688	7	4,103
Natural gas	Mcf.	105,951	158	108,306	152	119,031	126	103,066	110	99,381
Total value		172		167		136			117	106
<u>ONTARIO</u>										
Crude oil	'000 bbls	1,149,087	3,547	1,134,534	3,661	1,205,376	3,840	1,266,682	4,014	1,279,162
Natural gas	Mcf.	14,690,699	5,671	15,841,568	5,874	15,854,934	6,025	13,738,588	5,725	12,619,867
Total value		9,218		9,535		9,865		9,239		9,855
<u>SASKATCHEWAN</u>										
Crude oil	'000 bbls	4,480,348	10,156	3,959,517	9,515	3,772,979	9,182	4,399,810	10,256	4,955,998
Condensate and pentanes plus	'000 bbls	56,020,430	115,988	64,557,207	141,953	71,299,563	160,265	81,320,919	186,690	87,807,047
Natural gas	Mcf.	224,982	466	265,774	584	271,972	611	285,623	656	255,381
Butane	'000 bbls	26,326,701	2,747	28,060,296	2,951	29,396,870	3,267	31,283,734	3,659	33,771,436
Propane	'000 bbls	309,981	385	289,454	414	299,209	432	374,108	499	341,001
Total value		241,310	423	414,041	724	554,944	894	628,005	1,032	662,579
		120,009		146,626		165,469		192,536		207,377
<u>ALBERTA</u>										
Crude oil	'000 bbls	157,656,979	372,064	164,319,648	374,012	167,655,692	423,709	175,292,235	448,961	183,422,171
Condensate and pentanes plus	'000 bbls	7,723,257	18,227	16,489,824	37,533	20,594,580	52,048	24,039,394	61,370	26,635,286
Natural gas	Mcf.	424,146,359	50,908	623,686,435	78,869	696,418,452	96,563	780,635,269	113,193	844,054,926
Butane	'000 bbls	1,524,613	1,875	1,809,863	2,279	2,361,600	3,075	4,415,178	5,930	5,588,467
Propane	'000 bbls	2,334,727	3,098	2,836,741	4,023	3,265,875	4,442	4,948,395	5,898	8,781,180
Total value		446,172		496,716		579,837		635,552		680,119
<u>BRITISH COLUMBIA</u>										
Crude oil	'000 bbls	985,393	1,878	8,908,766	16,862	12,506,258	24,794	11,512,809	23,367	13,445,411
Condensate and pentanes plus	'000 bbls	787,853	1,501	846,781	1,603	855,129	1,695	949,638	1,927	977,901
Natural gas	Mcf.	95,448,888	8,819	108,133,615	10,226	105,061,589	10,719	118,485,105	12,193	138,277,328
Butane	'000 bbls	309,949	527	262,282	446	290,630	503	327,458	567	317,299
Propane	'000 bbls	161,940	267	206,334	361	195,162	338	216,966	375	236,087
Total value		12,992		29,498		38,049		38,429		45,993
<u>NORTH WEST TERRITORIES AND YUKON</u>										
Crude oil	'000 bbls	526,197	743	590,101	779	602,296	605	619,571	466	649,784
Natural gas	Mcf.	41,678	17	56,689	24	47,656	21	34,341	14	43,068
Total value		760		803		626		478		638

TABLE 7. Net Production Withdrawals and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

	1961		1962		1963		1964		1965	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
<u>CANADA</u>		\$'000		\$'000		\$'000		\$'000		\$'000
Crude oil	'000 bbls	229,566,951	524,625	261,740,166	588,006	279,385,254	678,296	299,923,792	738,542	319,607,904
Natural gas	Mcf.	634,130,669	72,023	894,671,614	104,061	993,388,491	124,458	1,134,210,700	145,657	1,236,798,361
Total value			596,648		692,067		802,754		884,199	
<u>NEW BRUNSWICK</u>										
Crude oil	'000 bbls	12,024	15	10,333	14	7,391	10	4,688	7	4,103
Natural gas	Mcf.	96,318	143	95,750	135	103,522	110	105,055	112	105,359
Total value			158		149		120		119	
<u>ONTARIO</u>										
Crude oil	'000 bbls	1,149,087	3,547	1,134,534	3,661	1,205,376	3,840	1,246,682	4,014	1,279,162
Natural gas	Mcf.	14,544,165	5,614	15,648,294	5,802	15,920,055	6,050	13,815,967	5,254	12,699,483
Total value			9,161		9,463		9,890		9,268	
<u>MANITOBA</u>										
Crude oil	'000 bbls	4,480,348	10,156	3,926,683	9,436	3,771,023	9,177	4,417,224	10,297	4,946,509
<u>SASKATCHEWAN</u>										
Crude oil	'000 bbls	56,085,478	116,125	64,698,987	142,267	71,575,824	160,888	81,690,054	187,536	88,041,671
Natural gas	Mcf.	36,486,690	3,392	37,786,716	3,782	38,647,251	4,078	39,573,996	4,389	42,734,910
Total value			119,517		146,049		164,966		191,925	
<u>ALBERTA</u>										
Crude oil	'000 bbls	165,493,685	390,565	181,610,271	413,363	188,844,652	477,260	199,482,672	510,915	210,241,493
Natural gas	Mcf.	480,592,018	53,830	720,644,946	83,463	821,247,938	102,779	946,473,793	122,699	1,023,294,574
Total value			444,395		496,826		580,039		633,614	
<u>BRITISH COLUMBIA</u>										
Crude oil	'000 bbls	1,831,550	3,490	9,761,665	18,476	13,370,421	26,507	12,473,915	25,318	14,449,968
Natural gas	Mcf.	102,369,800	9,027	120,439,219	10,856	117,422,069	11,420	134,207,548	13,189	157,920,967
Total value			12,517		29,332		37,927		38,507	
<u>NORTH WEST TERRITORIES</u>										
Crude oil	'000 bbls	514,779	727	597,693	789	610,567	614	608,557	455	644,998
Natural gas	Mcf.	41,678	17	56,689	23	47,656	21	34,341	14	43,068
Total value			744		812		635		469	

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

	1961	1962	1963	1964	1965
\$'000					
CANADA					
Geological and geophysical operations					
Salaries and wages	22,479	22,734	19,982	20,663	21,739
Materials and supplies	3,850	3,561	3,483	3,823	5,064
Contractor and service payments	34,390	31,778	31,491	34,053	43,691
Totals	60,719	58,073	54,956	58,539	70,494
Field and well operations					
Salaries and wages	19,481	22,411	24,838	24,297	25,145
Materials and supplies	10,663	11,940	14,473	14,143	14,895
Contractor and service payments	47,760	53,397	65,191	64,209	68,663
Totals	77,904	87,748	104,502	102,649	108,703
Natural gas processing plants					
Salaries and wages	6,032	8,644	8,587	9,997	10,641
Materials and supplies	4,555	6,240	6,858	8,028	8,829
Contractor and service payments	8,308	11,428	12,557	14,584	16,276
Totals	18,895	26,312	28,002	32,609	35,746
Other including land and lease acquisition and retention					
Salaries and wages	4,527	6,488	6,782	5,511	9,406
Materials and supplies	332	410	529	425	767
Contractor and service payments	18,336	19,316	22,865	24,225	30,451
Retention(1)	58,487	64,677	60,589	62,778	97,946
Royalties	73,200	90,700	101,800	111,100	112,804
Taxes(excluding income tax)	8,500	6,800	7,300	9,300	11,540
Totals	163,382	188,391	199,865	213,339	262,914
Grand totals					
Salaries and wages	52,519	60,277	60,189	60,468	66,931
Materials and supplies	19,400	22,151	25,343	26,419	29,555
Contractor and service payments	98,891	104,682	118,770	123,540	145,001
Electricity	9,903	11,237	13,334	13,531	14,080
Retention(1)	58,487	64,677	60,589	62,778	97,946
Royalties	73,200	90,700	101,800	111,100	112,804
Taxes(excluding income tax)	8,500	6,800	7,300	9,300	11,540
Totals	320,900	360,524	387,325	407,136	477,857
ONTARIO					
Geological and geophysical operations					
Salaries and wages	153	166	150	154	212
Materials and supplies	19	20	21	22	18
Contractor and service payments	163	179	177	186	157
Totals	335	365	348	362	387
Field and well operations					
Salaries and wages	892	969	874	900	1,231
Materials and supplies	332	366	357	373	345
Contractor and service payments	1,494	1,647	1,605	1,681	1,335
Totals	2,718	2,982	2,836	2,954	3,111
Natural gas processing plants					
Salaries and wages	86	93	84	86	118
Materials and supplies	41	45	44	46	40
Contractor and service payments	68	74	74	77	65
Totals	195	212	202	209	223
Other including land and lease acquisition and retention					
Salaries and wages	64	70	64	65	87
Materials and supplies	3	3	3	3	3
Contractor and service payments	118	125	127	127	128
Retention(1)	1,186	1,319	1,232	1,322	1,340
Royalties	**	**	**	**	666
Taxes(excluding income tax)	**	**	**	**	307
Totals	1,371	1,517	1,426	1,517	2,531
Grand totals					
Salaries and wages	1,195	1,298	1,172	1,205	1,648
Materials and supplies	395	434	425	444	406
Contractor and service payments	1,738	1,923	1,875	1,957	1,765
Electricity	105	102	108	114	120
Retention(1)	1,186	1,319	1,232	1,322	1,340
Royalties	**	**	**	**	666
Taxes(excluding income tax)	**	**	**	**	307
Totals	4,619	5,076	4,812	5,042	6,252

See footnotes at end of table.

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65 - Continued

	1961	1962	1963	1964	1965
\$'000					
MANITOBA					
<u>Geological and geophysical operations</u>					
Salaries and wages	413	117	52	54	48
Materials and supplies	95	25	13	14	12
Contractor and service payments	510	138	68	72	66
Totals	1,018	280	133	140	126
<u>Field and well operations</u>					
Salaries and wages	924	856	739	678	668
Materials and supplies	227	202	192	177	183
Contractor and service payments	1,849	1,642	1,569	1,445	1,488
Totals	3,000	2,700	2,500	2,300	2,339
<u>Natural gas processing plants</u>					
Salaries and wages	-	-	-	-	-
Materials and supplies	-	-	-	-	-
Contractor and service payments	-	-	-	-	-
Totals	-	-	-	-	-
<u>Other including land and lease acquisition and retention</u>					
Salaries and wages	54	55	52	52	34
Materials and supplies	6	6	6	6	4
Contractor and service payments	100	100	100	300	92
Retention(l)	1,306	1,412	1,389	699	893
Royalties	1,500	1,200	1,100	1,300	1,614
Taxes (excluding income tax)	500	300	300	300	239
Totals	3,466	3,073	2,947	2,657	2,876
Grand totals					
Salaries and wages	1,391	1,028	843	784	750
Materials and supplies	328	233	211	197	199
Contractor and service payments	2,118	1,574	1,453	1,556	1,380
Electricity	341	306	284	261	266
Retention(l)	1,306	1,412	1,389	699	893
Royalties	1,500	1,200	1,100	1,300	1,614
Taxes (excluding income tax)	500	300	300	300	239
Totals	7,484	6,053	5,580	5,097	5,341
SASKATCHEWAN					
<u>Geological and geophysical operations</u>					
Salaries and wages	993	1,248	1,228	809	2,004
Materials and supplies	208	250	272	181	466
Contractor and service payments	1,741	2,099	2,283	1,518	3,912
Totals	2,942	3,597	3,783	2,508	6,382
<u>Field and well operations</u>					
Salaries and wages	3,636	4,086	5,239	5,438	6,539
Materials and supplies	1,849	2,006	2,806	2,926	3,680
Contractor and service payments	10,515	11,408	15,955	16,636	20,843
Totals	16,000	17,500	24,000	25,000	31,062
<u>Natural gas processing plants</u>					
Salaries and wages	369	445	362	333	303
Materials and supplies	302	347	305	279	271
Contractor and service payments	529	608	533	488	474
Totals	1,200	1,400	1,200	1,100	1,048
<u>Other including land and lease acquisition and retention</u>					
Salaries and wages	400	437	539	539	884
Materials and supplies	18	19	25	23	36
Contractor and service payments	2,871	2,860	3,829	2,874	2,980
Retention(l)	7,581	5,917	7,229	5,683	14,955
Royalties	15,000	18,800	22,000	24,500	25,686
Taxes (excluding income tax)	2,000	2,000	2,000	2,000	2,456
Totals	27,870	30,033	35,622	35,619	46,997
Grand totals					
Salaries and wages	5,398	6,216	7,368	7,119	9,730
Materials and supplies	2,377	2,622	3,408	3,409	4,453
Contractor and service payments	12,914	13,780	18,684	17,230	23,455
Electricity	2,742	3,195	3,916	4,286	4,754
Retention(l)	7,581	5,917	7,229	5,683	14,955
Royalties	15,000	18,800	22,000	24,500	25,686
Taxes (excluding income tax)	2,000	2,000	2,000	2,000	2,456
Totals	48,012	52,530	64,605	64,227	85,489

See footnotes at end of table.

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (in \$'000), 1961-5 - Continued

	1961	1962	1963	1964	1965
\$'000					
ALBERTA					
Geological and geophysical operations					
Salaries and wages	14,477	16,204	12,990	14,724	16,037
Materials and supplies	2,154	2,302	2,069	2,345	2,694
Contractor and service payments	18,679	19,954	17,953	20,331	23,360
Totals	35,310	38,460	33,012	37,400	42,091
Field and well operations					
Salaries and wages	13,626	15,545	16,958	16,290	15,750
Materials and supplies	7,801	8,589	10,248	9,894	9,949
Contractor and service payments	32,573	35,866	42,794	41,316	41,699
Totals	54,000	60,000	70,000	67,500	67,398
Natural gas processing plants					
Salaries and wages	5,269	7,635	7,666	9,101	9,657
Materials and supplies	4,106	5,690	6,338	7,531	8,359
Contractor and service payments	7,125	9,875	10,998	13,068	14,531
Totals	16,500	23,200	25,000	29,700	32,547
Other including land and lease acquisition and retention					
Salaries and wages	2,821	2,856	2,908	4,057	5,573
Materials and supplies	230	236	263	333	454
Contractor and service payments	15,112	16,024	17,986	20,817	26,999
Retention(1)	40,469	48,639	42,913	46,140	71,083
Royalties	55,000	66,000	73,000	80,000	79,153
Taxes (excluding income tax)	5,500	4,000	4,500	6,500	8,267
Totals	119,132	137,755	141,570	157,847	191,529
Grand totals					
Salaries and wages	36,193	42,240	40,520	44,172	47,017
Materials and supplies	14,291	16,817	18,918	20,103	21,456
Contract and service payments	66,774	74,085	80,705	86,662	97,649
Electricity	6,715	7,634	9,026	8,870	8,940
Retention(1)	40,469	48,639	42,913	46,140	71,083
Royalties	55,000	66,000	73,000	80,000	79,153
Taxes (excluding income tax)	5,500	4,000	4,500	6,500	8,267
Totals	224,942	259,415	269,582	292,447	333,565
BRITISH COLUMBIA					
Geological and geophysical operations					
Salaries and wages	5,529	4,379	4,888	4,030	2,180
Materials and supplies	431	323	412	340	195
Contractor and service payments	5,531	4,138	5,280	4,366	2,502
Totals	11,491	8,840	10,580	8,736	4,877
Field and well operations					
Salaries and wages	333	890	963	953	930
Materials and supplies	206	531	624	626	634
Contractor and service payments	961	2,479	2,913	2,921	2,949
Totals	1,500	3,900	4,500	4,500	4,513
Natural gas processing plants					
Salaries and wages	308	471	477	477	563
Materials and supplies	106	158	171	172	159
Contractor and service payments	586	871	952	951	1,206
Totals	1,000	1,500	1,600	1,600	1,928
Other including land and lease acquisition and retention					
Salaries and wages	1,090	3,018	2,779	737	2,683
Materials and supplies	68	143	229	58	265
Contractor and service payments	56	131	220	38	245
Retention(1)	6,545	7,183	7,723	8,444	8,304
Royalties	1,500	4,480	5,500	5,200	5,500
Taxes (excluding income tax)	500	500	500	500	267
Totals	9,759	15,455	16,951	14,977	17,264
Grand totals					
Salaries and wages	7,260	8,758	9,107	6,197	6,356
Materials and supplies	811	1,155	1,436	1,196	1,253
Contract and service payments	7,134	7,619	9,365	8,276	6,902
Electricity	"	"	"	"	"
Retention(1)	6,545	7,183	7,723	8,444	8,304
Royalties	1,500	4,480	5,500	5,200	5,500
Taxes (excluding income tax)	500	500	500	500	267
Totals	23,750	29,695	33,631	29,813	28,582

See footnotes at end of table.

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65 - Concluded.

	1961	1962	1963	1964	1965
\$'000					
OTHER AREAS					
Geological and geophysical operations					
Salaries and wages	914	620	674	892	1,258
Materials and supplies	943	641	696	921	1,679
Contractor and service payments	7,766	5,270	5,730	7,580	13,694
Totals	9,623	6,531	7,100	9,393	16,631
Field and well operations					
Salaries and wages	70	65	65	38	27
Materials and supplies	248	246	246	147	104
Contractor and service payments	368	355	355	210	149
Totals	686	666	666	395	280
Natural gas processing plants					
Salaries and wages	-	-	-	-	-
Materials and supplies	-	-	-	-	-
Contractor and service payments	-	-	-	-	-
Totals	-	-	-	-	-
Other including land and lease acquisition and retention					
Salaries and wages	98	72	440	61	145
Materials and supplies	7	3	3	2	5
Contractor and service payments	79	76	603	69	7
Retention(1)	1,400	207	103	490	1,371
Royalties	200	200	200	100	185
Taxes (excluding income tax)	-	-	-	-	4
Totals	1,784	558	1,349	722	1,717
Grand totals					
Salaries and wages	1,082	757	1,179	991	1,430
Materials and supplies	1,198	890	945	1,020	1,788
Contract and service payments	8,213	5,701	6,688	7,859	13,850
Electricity	-	-	-	-	-
Retention(1)	1,400	207	103	490	1,371
Royalties	200	200	200	100	185
Taxes (excluding income tax)	-	-	-	-	4
Totals	12,093	7,755	9,115	10,510	18,628

(1) Includes: Bonuses paid for acquisition of freeholders mineral rights, and some work commitments required to retain rights to crown lands, together with legal fees, land department costs, and rentals.

TABLE 9. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1961-65

	1961	1962	1963	1964	1965
\$'000					
CANADA					
Exploratory drilling					
Dry	46,764	64,512	69,128	67,485	71,680
Productive - Oil	17,539	10,559	14,392	19,910	25,204
Gas/condensate	22,217	11,679	11,734	17,164	8,876
Totals	86,520	86,750	95,254	104,559	105,760
Development drilling					
Dry	13,763	15,750	13,659	17,079	20,792
Productive - Oil	90,066	78,392	87,871	93,515	97,981
Gas/condensate	35,737	24,424	19,735	15,957	19,410
Totals	139,566	118,566	121,265	126,551	138,183
Total drilling					
Salaries and wages	14,494	12,930	12,940	13,652	14,079
Materials and supplies	42,454	35,597	37,296	40,551	42,918
Contractor and service payments	169,138	156,789	166,283	176,907	186,946
Totals	226,086	205,316	216,519	231,110	243,943
Oil field facilities					
Oil field facilities	27,600	24,125	26,100	35,401	54,328
Gas field facilities(2)	8,446	7,025	12,623	14,100	11,690
Secondary recovery facilities	7,100	11,150	18,800	15,500	15,250
Natural gas processing plants	61,600	20,700	36,700	42,700	36,120
Other buildings and machinery	10,000(3)	16,300(3)	20,500(3)	17,600(3)	8,174
Total capital formation(4) .....	..	..	..	..	369,505
Land sites(4)	54,426	48,985	60,170	107,966	579
Land acquisition(5)					152,812
Totals	395,258	333,601	391,412	464,377	522,896

See footnotes at end of table.

TABLE 9. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1961-65 - Continued

	1961	1962	1963	1964	1965
\$'000					
<u>ONTARIO</u>					
<u>Exploratory drilling</u>					
Dry	1,000	1,104	1,042	1,083	1,155
Productive - Oil	143	159	159	159	178
Gas/condensate	161	194	161	194	209
Totals	1,304	1,457	1,362	1,436	1,542
<u>Development drilling</u>					
Dry	468	511	489	511	530
Productive - Oil	323	353	338	354	346
Gas/condensate	1,175	1,302	1,238	1,286	1,349
Totals	1,966	2,166	2,065	2,151	2,225
<u>Total drilling</u>					
Salaries and wages	269	291	262	271	371
Materials and supplies	561	627	597	625	637
Contractor and service payments	2,440	2,705	2,568	2,691	2,759
Totals	3,270	3,623	3,427	3,587	3,767
Oil field facilities	(6)	(6)	(6)	(6)	253
Gas field facilities	1,846	2,000	1,923	2,000	622
Secondary recovery facilities	(6)	(6)	(6)	(6)	34
Natural gas processing plants	(6)	(6)	(6)	(6)	716
Other buildings and machinery	(6)	(6)	(6)	(6)	397
Total capital formation(4) .....	..	..	..	..	5,789
Land sites	(6)	(6)	(6)	(6)	-
Land acquisition	-	-	-	-	-
Totals	5,116	5,623	5,350	5,587	5,789
<u>MANITOBA</u>					
<u>Exploratory drilling</u>					
Dry	382	280	400	420	470
Productive - Oil	-	140	267	140	109
Gas/condensate	-	-	-	-	-
Totals	382	420	667	560	579
<u>Development drilling</u>					
Dry	100	100	100	200	73
Productive - Oil	300	400	800	1,600	496
Gas/condensate	-	-	-	-	26
Totals	400	500	900	1,800	595
<u>Total drilling</u>					
Salaries and wages	62	68	104	156	81
Materials and supplies	168	225	391	675	253
Contractor and service payments	552	627	1,072	1,529	840
Totals	782	920	1,567	2,360	1,174
Oil field facilities	100	100	100	300	407
Gas field facilities	-	-	-	-	-
Secondary recovery facilities	100	150	300	300	155
Natural gas processing plants	-	-	-	-	-
Other buildings and machinery	-	50(3)	300(3)	100(3)	24
Total capital formation(4) .....	..	..	..	..	1,760
Land sites(4) .....	..	..	..	..	-
Land acquisition(5)	134	27	53	743	99
Totals	1,116	1,247	2,320	3,803	1,859

See footnotes at end of table.

TABLE 9. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1961-65 - Continued

	1961	1962	1963	1964	1965
	\$'000				
SASKATCHEWAN					
Exploratory drilling					
Dry	2,942	4,151	7,566	9,688	6,453
Productive - Oil	1,768	2,213	2,522	3,990	3,626
Gas/condensate	148	139	629	114	68
Totals	4,858	6,503	10,717	13,792	10,147
Development drilling					
Dry	1,515	2,708	2,627	3,728	4,229
Productive - Oil	14,077	11,483	16,291	19,706	20,354
Gas/condensate	108	109	1,682	1,066	1,063
Totals	15,700	14,300	20,600	24,500	25,646
Total drilling					
Salaries and wages	862	965	1,308	1,672	1,459
Materials and supplies	4,417	4,109	5,910	7,380	7,189
Contractor and service payments	15,279	15,729	24,099	29,240	27,145
Totals	20,558	20,803	31,317	38,292	35,793
Oil field facilities	5,500	5,500	8,000	11,000	17,733
Gas field facilities	100	100	1,000	500	1,011
Secondary recovery facilities	3,000	4,500	9,000	5,000	4,486
Natural gas processing plants	100	600	500	100	1,915
Other buildings and machinery	500(3)	600(3)	5,000(3)	2,000(3)	643
Total capital formation(4) .....	..	..	..	..	61,581
Land sites(4) .....	..	..	..	..	..
Land acquisition(5)	1,330	3,767	5,378	8,381	11,691
Totals	31,088	35,870	60,195	65,273	73,189
ALBERTA					
Exploratory drilling					
Dry	30,082	41,424	41,856	40,895	46,325
Productive - Oil	15,056	6,515	10,268	14,025	16,942
Gas/condensate	15,054	7,102	7,064	11,680	6,737
Totals	60,190	55,041	59,188	66,600	70,004
Development drilling					
Dry	11,156	9,996	9,304	11,567	14,151
Productive - Oil	70,128	56,415	67,367	67,775	70,238
Gas/condensate	29,216	17,189	12,829	11,458	14,475
Totals	110,500	83,600	89,500	90,800	98,864
Total drilling					
Salaries and wages	12,243	10,161	10,271	10,667	11,227
Materials and supplies	32,675	24,288	26,225	27,872	29,756
Contractor and service payments	125,772	104,192	112,192	118,861	127,885
Totals	170,690	138,641	148,688	157,400	168,868
Oil field facilities	20,500	16,000	16,000	21,501	31,410
Gas field facilities	5,000	3,000	8,000	9,500	9,483
Secondary recovery facilities	4,000	6,000	8,000	7,500	9,322
Natural gas processing plants	61,000	20,000	36,000	29,000	32,050
Other buildings and machinery	9,000(3)	15,000(3)	15,000(3)	13,500(3)	6,248
Total capital formation(4) .....	..	..	..	..	257,381
Land sites(4) .....	..	..	..	..	578
Land acquisition(5)	44,868	33,245	46,930	85,653	122,027
Totals	315,058	231,886	278,618	324,054	379,986

See footnotes at end of table.

TABLO 9. Capital Expenditures for the Grade Petroleum and Natural Gas Industry(I) (S.I.C. 064), 1961-65 - Concluded

	1961	1962	1963	1964	1965
\$'000					
BRITISH COLUMBIA					
Exploratory drilling					
Dry	8,616	11,784	11,166	7,571	5,808
Productive - Oil	574	1,532	1,176	1,283	2,318
Gas/condensate	6,319	4,244	3,880	3,610	1,796
Totals	15,509	17,560	16,220	12,464	9,922
Development drilling					
Dry	524	2,435	1,139	1,073	1,809
Productive - Oil	5,238	9,741	3,075	4,080	6,547
Gas/condensate	5,238	5,824	3,986	2,147	2,481
Totals	11,000	18,000	8,200	7,300	10,837
Total drilling					
Salaries and wages	1,007	1,393	932	759	770
Materials and supplies	4,360	6,083	3,846	3,225	3,749
Contractor and service payments	21,142	28,084	19,642	15,780	16,240
Totals	26,509	35,560	24,420	19,764	20,759
Oil field facilities					
1,500	2,500	2,000	2,500	4,525	
Gas field facilities					
1,500	1,900	1,700	2,000	563	
Secondary recovery facilities					
-	500	1,500	2,700	1,253	
Natural gas processing plants					
500	100	200	13,600	1,439	
Other buildings and machinery					
500(3)	500(3)	200(3)	1,700(3)	698	
Total capital formation(4)	**	**	**	**	29,237
Land sites(4)	**	**	**	**	-
Land acquisition(5)	7,642	11,373	7,092	13,094	18,161
Totals	38,151	52,433	37,112	55,358	47,398
OTHER AREAS					
Exploratory drilling					
Dry	3,742	5,769	7,100	7,828	11,469
Productive - Oil	-	-	-	313	2,031
Gas/condensate	535	-	-	1,566	66
Totals	4,277	5,769	7,100	9,707	13,566
Development drilling					
Dry	-	-	-	-	-
Productive - Oil	-	-	-	-	-
Gas/condensate	-	-	-	-	16
Totals	-	-	-	-	16
Total drilling					
Salaries and wages	51	52	63	127	171
Materials and supplies	273	265	327	774	1,334
Contractor and service payments	3,953	5,452	6,710	8,806	12,077
Totals	4,277	5,769	7,100	9,707	13,582
Oil field facilities					
-	25	-	100	-	-
Gas field facilities					
-	25	-	100	-	11
Secondary recovery facilities					
-	-	-	-	-	-
Natural gas processing plants					
-	-	-	-	-	-
Other buildings and machinery					
-	150(3)	-	-	300(3)	164
Total capital formation(4)	**	**	**	**	13,757
Land sites(4)	**	**	**	**	-
Land acquisition(5)	452	573	717	95	918
Totals	4,729	6,542	7,817	10,302	14,675

(1) Does not include construction in Oil shale and bituminous sand pit processing plants.

(2) Includes Ontario Oil field facilities, Secondary recovery facilities, Natural gas processing plants. Other buildings and machinery together with Gas field facilities.

(3) Includes Other buildings and machinery along with cost of Land sites.

(4) Land site costs in 1961-1964 not segregated from categories of construction projects.

(5) Includes cash bonuses paid for Crown permits, reservations and leases.

(6) Included in Gas field facilities.

TABLE 10. Supply and Disposition of Natural Gas

1961	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	N.W.T.	Canada
Mcf.									
<u>Supply</u>									
Gross new production	96,318	-	14,544,165	-	58,099,196	556,408,335	103,262,394	460,848	732,871,256
Less field flared and waste	-	-	-	-	21,107,441	53,223,035	892,594	419,170	75,642,240
Net new production	96,318	-	14,544,165	-	36,991,755	503,185,300	102,369,800	41,678	657,229,016
Reproduced	-	-	-	-	-	6,989,567	-	-	6,989,567
Less injected and stored	-	-	-	-	505,065	29,582,849	-	-	30,087,914
Net withdrawals	96,318	-	14,544,165	-	36,486,690	480,592,018	102,369,800	41,678	634,130,669
Field disposition and uses	-	-	65,055	-	1,678,315	6,509,454	658,481	-	8,911,305
Gathering system disposition and uses	-	-	-	-	-	2,314,947	-	-	2,314,947
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	4,000,000	32,081,818	4,678,753	-	40,760,571
Other disposition and uses	-	-	-	-	-	20,510,641	2,916,216	-	23,426,857
Other uses	-	-	-	-	2,412,566	-	-	-	2,412,566
Adjustment	- 9,633	-	- 211,589	-	2,069,108	- 4,971,201	- 1,332,538	-	- 4,455,853
Deliveries of marketable gas - By plants	-	-	-	-	-	-	-	-	-
By fields	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	105,951	-	14,690,699	-	26,326,701	424,146,359	95,448,888	41,678	560,760,276
Imports	-	-	5,407,284	-	-	73,606	-	-	5,480,890
Totals	105,951	-	20,097,983	-	26,326,701	424,219,965	95,448,888	41,678	566,241,166
Receipts from distributor storage	-	-	21,388,435	-	411,198	3,221,765	-	-	25,021,398
Other receipts	10,090	-	58,009	-	-	284	-	-	68,383
Transfers - In	-	24,802,577	141,361,361	218,907,387	229,888,171	59,628	30,213,396	-	...
Out	-	-	24,802,577	141,361,361	218,907,387	260,101,567	59,628	-	...
Net transfer	-	24,802,577	116,558,784	77,546,026	10,980,784	260,041,939	30,153,768	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	41,678	41,678
Total net utility supply	116,041	24,802,577	158,103,211	77,546,026	37,718,683	167,400,075	125,602,656	-	591,289,269
<u>Disposition</u>									
Sales:									
Residential	78,088	5,600,633	47,904,750	6,331,904	11,671,640	36,984,188	11,095,821	-	119,667,024
Industrial	-	16,904,769	61,541,428	6,667,756	18,269,531	77,781,696	13,637,560	-	194,802,740
Commercial	10,271	1,704,957	15,684,667	3,489,142	5,496,841	26,008,765	3,875,135	-	56,269,778
Total sales	88,359	24,210,359	125,130,845	16,488,802	35,438,012	140,774,649	28,608,516	-	370,739,542
Exports	-	-	-	59,138,862	-	15,870,156	93,903,736	-	168,912,754
Other deliveries	-	-	56,624	-	-	3,447,859	-	-	3,504,483
Delivered to distributor storage	-	-	24,878,233	-	574,929	4,213,509	-	-	29,666,671
Pipeline line pack fluctuation	-	- 971	291,743	-	51,228	869,433	340,276	-	1,551,709
Pipeline fuel	-	211,963	4,621,403	1,972,500	2,612,838	477,398	2,546,666	-	12,442,768
Pipeline losses etc.	27,682	381,226	3,124,363	- 54,138	- 958,324	1,747,071	203,462	-	4,471,342
Total disposition	116,041	24,802,577	158,103,211	77,546,026	37,718,683	167,400,075	125,602,656	-	591,289,269

TABLE 10. Supply and Disposition of Natural Gas - Continued

1962	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	N.W.T.	Canada
Mcf.									
<u>Supply</u>									
Gross new production	95,750	-	15,648,294	-	61,658,835	832,012,945	128,031,559	652,391	1,038,099,774
Less field flared and waste	-	-	-	-	23,022,871	56,079,526	7,592,340	595,702	87,290,439
Net new production	95,750	-	15,648,294	-	38,635,964	775,933,419	120,439,219	56,689	950,809,335
Reproduced	-	-	-	-	-	5,557,205	-	-	5,557,205
Less injected and stored	-	-	-	-	849,248	60,845,678	-	-	61,694,926
Net withdrawals	95,750	-	15,648,294	-	37,786,716	720,644,946	120,439,219	56,689	894,671,614
Field disposition and uses	-	-	78,017	-	1,640,758	8,927,852	1,560,578	-	12,207,205
Gathering system disposition and uses	-	-	-	-	688,353	1,465,632	-	-	2,153,985
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	1,837,221	60,343,187	5,680,959	-	67,861,367
Other disposition and uses	-	-	-	-	2,565,730	33,700,017	5,084,664	-	41,350,411
Other uses	-	-	-	-	2,692,804	-	-	-	2,692,804
Adjustment.....	- 12,556	-	- 271,291	-	301,554	- 7,478,177	- 20,597	-	- 7,481,067
Deliveries of marketable gas - By plants ..	-	-	-	-	-	-	-	-	-
By fields ..	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	108,306	-	15,841,568	-	28,060,296	623,686,435	108,133,615	56,689	775,886,909
Imports	-	-	5,405,671	-	-	71,792	-	-	5,477,463
Totals	108,306	-	21,247,239	-	28,060,296	623,758,227	108,133,615	56,689	781,364,372
Receipts from distributor storage	-	-	24,058,628	-	465,900	1,851,531	-	-	26,376,059
Other receipts	11,368	-	3,015	-	-	-	-	-	14,383
Transfers - In	-	24,476,956	159,435,057	242,629,496	257,140,202	119,673	181,812,630	-	...
Out	-	-	24,476,956	159,435,057	242,629,496	438,952,832	119,673	-	...
Net transfer	-	24,476,956	134,958,101	83,194,439	14,510,706	- 438,833,159	181,692,957	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	56,689	56,689
Total net utility supply	119,674	24,476,956	180,266,983	83,194,439	43,036,902	186,776,599	289,826,572	-	807,698,125
<u>Disposition</u>									
Sales:									
Residential	74,250	6,294,997	55,252,759	8,058,515	13,521,295	39,509,933	12,207,369	-	134,919,118
Industrial	-	15,048,584	74,941,582	5,871,550	18,328,007	83,248,619	16,029,456	-	213,467,798
Commercial	14,192	1,794,273	18,888,078	4,609,198	6,166,065	28,155,602	4,047,185	-	63,674,593
Total sales	88,442	23,137,854	149,082,419	18,539,263	38,015,367	150,914,154	32,284,010	-	412,061,509
Exports	-	-	256,687	61,954,310	-	28,069,924	252,531,395	-	342,812,316
Other deliveries	-	-	45,974	-	-	4,034,707	-	-	4,080,681
Delivered to distributor storage	-	-	22,474,603	-	1,352,156	2,207,327	-	-	26,034,086
Pipeline pack fluctuation	-	200	78,106	-	4,204	- 117,854	195,329	-	159,985
Pipeline fuel	-	520,432	6,511,508	2,662,500	3,319,625	746,981	3,384,417	-	17,145,463
Pipeline losses etc.	31,232	818,470	1,817,686	38,366	345,550	921,360	1,431,421	-	5,404,085
Total disposition	119,674	24,476,956	180,266,983	83,194,439	43,036,902	186,776,599	289,826,572	-	807,698,125

TABLE 10. Supply and Disposition of Natural Gas - Continued

1963	New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	N.W.T.	Canada
Mcf.									
<u>Supply</u>									
Gross new production	103,522	-	15,920,055	-	59,215,241	995,599,564(1)	133,027,072	710,324	1,204,575,778
Less field flared and waste	-	-	-	-	19,494,703	50,117,894	15,605,003	662,668	85,880,268
Net new production	103,522	-	15,920,055	-	39,720,538	945,481,670	117,422,069	47,656	1,118,695,510
Reproduced	-	-	-	-	-	4,239,272	-	-	4,239,272
Less injected and stored	-	-	-	-	1,073,287	128,473,004	-	-	129,546,291
Net withdrawals	103,522	-	15,920,055	-	38,647,251	821,247,938	117,422,069	47,656	993,388,491
Fields disposition and uses	-	-	60,080	-	1,552,176	8,031,340	302,189	-	9,945,785
Gathering system disposition and uses	-	-	-	-	627,195	2,831,687	-	-	3,458,882
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	1,937,749	79,696,114	5,458,834	-	87,092,697
Other disposition and uses	-	-	-	-	2,182,452	36,855,658	6,687,218	-	45,725,328
Other uses	-	-	-	-	2,941,998	935,652(2)	-	-	3,877,650
Adjustment	- 15,509	-	5,041	-	8,811	- 3,520,965	- 87,761	-	- 3,610,383
Deliveries of marketable gas - By plants ..	-	-	-	-	-	-	-	-	-
By fields ..	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	119,031	-	15,854,934	-	29,396,870	696,418,452	105,061,589	47,656	846,898,532
Imports	-	-	6,747,659	-	-	75,715	-	-	6,823,374
Totals	119,031	-	22,602,593	-	29,396,870	696,494,167	105,061,589	47,656	853,721,906
Receipts from distributor storage	-	-	25,243,381	-	932,722	1,453,677	-	-	27,629,780
Other receipts	-	-	3,367	157,476	-	74,445	22,110	-	257,398
Transfers - In	-	28,357,736	188,990,019	278,003,694	299,579,702	-	202,992,306	-	...
Out	-	-	28,357,736	188,990,019	278,003,694	502,572,008	-	-	...
Net transfer	-	28,357,736	160,632,283	89,013,675	21,576,008	502,572,008	202,992,306	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	47,656	47,656
Total net utility supply	119,031	28,357,736	208,481,624	89,171,151	51,905,600	195,450,281	308,076,005	-	881,561,428
<u>Disposition</u>									
Sales:									
Residential	61,346	7,452,852	61,960,454	9,644,937	14,087,200	39,249,534	13,400,045	-	145,856,368
Industrial	-	17,675,633	83,574,840	6,666,556	21,304,576	88,587,278	17,569,906	-	235,378,789
Commercial	19,228	2,032,468	22,083,670	6,384,557	6,458,216	28,868,901	4,516,101	-	70,363,141
Total sales	80,574	27,160,953	167,618,964	22,696,050	41,849,992	156,705,713	35,486,052	-	451,598,298
Exports	-	-	1,741,390	62,785,044	-	27,255,431	267,824,395	-	359,606,260
Other deliveries	-	-	5,426	-	-	828,040	-	-	833,466
Delivered to distributor storage	-	-	27,066,500	-	2,856,838	6,037,243	-	-	35,960,581
Pipeline line pack fluctuation	-	775	139,472	22,999	59,944	174,076	6,379	-	403,645
Pipeline fuel	-	327,302	7,422,899	3,308,722	7,059,472	699,505	2,377,162	-	21,195,062
Pipeline losses etc.	38,457	868,706	4,486,973	358,336	79,354	3,750,273	2,382,017	-	11,964,116
Total disposition	119,031	28,357,736	208,481,624	89,171,151	51,905,600	195,450,281	308,076,005	-	881,561,428

See footnotes at end of table.

TABLE 10. Supply and Disposition of Natural Gas - Continued

1964	New Brunswick	Quebec	Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia	N.W.T.	Canada
Mcf.									
<u>Supply</u>									
Gross new production	105,055	-	13,815,967	-	62,281,321	1,174,112,186(1)	146,105,999	768,095	1,397,188,623
Less field flared and waste	-	-	-	-	21,795,526	47,028,591	10,609,053	733,754	80,166,924
Net new production	105,055	-	13,815,967	-	40,485,795	1,127,083,595	135,496,946	34,341	1,317,021,699
Reproduced	-	-	-	-	-	2,993,097	-	-	2,993,097
Less injected and stored	-	-	-	-	911,799	183,602,899	1,289,398	-	185,804,096
Net withdrawals	105,055	-	13,815,967	-	39,573,996	946,473,793	134,207,548	34,341	1,134,210,700
Field disposition and uses	1,989	-	77,379	-	1,501,228	9,132,549	825,922	-	11,539,067
Gathering system disposition and uses	-	-	-	-	562,370	3,652,943	-	-	4,215,313
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	2,057,479	100,277,280	6,037,578	-	108,372,337
Other disposition and uses	-	-	-	-	1,653,721	48,833,406	8,086,434	-	58,573,561
Other uses	-	-	-	-	2,499,126	687,290	-	-	3,186,416
Adjustment	-	-	-	-	16,338	3,255,056	772,509	-	4,043,903
Deliveries of marketable gas - by plants	-	-	-	-	-	-	-	-	-
by fields	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	103,066	-	13,738,588	-	31,283,734	780,635,269	118,485,105	34,341	944,280,103
Imports	-	-	9,550,826	-	-	90,858	-	-	9,641,684
Totals	103,066	-	23,289,414	-	31,283,734	780,726,127	118,485,105	34,341	953,921,787
Receipts from distributor storage	-	-	23,957,641	-	1,787,643	1,433,907	-	-	27,179,191
Other receipts	-	-	770	176,704	-	47,442	108,211	-	333,127
Transfers - In	-	34,042,278	224,609,944	329,359,517	357,334,804	-	220,397,373	-	...
Out	-	-	34,042,278	224,609,944	329,359,517	577,732,177	-	-	...
Net transfer	-	34,042,278	190,567,666	104,749,573	27,975,287	-	220,397,373	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	34,341	34,341
Total net utility supply	103,066	34,042,278	237,815,491	104,926,277	61,046,664	204,475,299	338,990,689	-	981,399,764
<u>Disposition</u>									
Sales:									
Residential	63,186	8,708,334	68,855,096	12,001,524	15,472,916	42,328,609	16,196,066	-	163,625,731
Industrial	-	22,124,940	96,945,889	7,813,358	22,989,270	86,647,262	20,881,612	-	257,402,331
Commercial	-	2,333,218	28,452,790	7,953,192	7,346,971	31,852,857	5,530,298	-	83,475,326
Total sales	63,186	33,166,492	194,253,775	27,768,074	45,809,157	160,828,728	42,613,976	-	504,503,388
Exports	-	-	2,078,187	71,365,685	-	27,880,487	290,915,070	-	392,239,429
Other deliveries	-	-	6,133	-	-	2,695,592	-	-	2,701,725
Delivered to distributor storage	-	-	26,112,458	-	2,767,910	6,635,260	-	-	35,515,628
Pipeline line pack fluctuation	-	-	1,147	257,342	60,360	48,069	249,093	70,190	683,907
Pipeline fuel	-	84,650	10,963,813	4,836,998	10,217,640	1,147,404	2,875,518	-	30,126,023
Pipeline losses etc.	39,880	792,283	4,143,783	895,160	2,203,888	5,038,735	2,515,935	-	15,629,664
Total disposition	103,066	34,042,278	237,815,491	104,926,277	61,046,664	204,475,299	338,990,689	-	981,399,764

See footnotes at end of table.

TABLE 10. Supply and Disposition of Natural Gas - Concluded

1965	New Brunswick	Quebec	Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia	N.W.T.	Canada
Mcf.									
<u>Supply</u>									
Gross new production	105,359	-	12,699,483	-	59,764,917	1,281,196,747	170,588,242	646,264	1,525,001,012
Less field flared and waste	-	-	-	-	16,993,920	52,642,839	9,503,946	603,196	79,743,901
Net new production	105,359	-	12,699,483	-	42,770,997	1,228,553,908	161,084,296	43,068	1,445,257,111
Reproduced	-	-	-	-	36,088	205,259,334	3,163,329	-	208,458,751
Less injected and stored	-	-	-	-	42,734,909	1,023,294,574	157,920,967	43,068	1,236,798,360
Net withdrawals	105,359	-	12,699,483	-	1,935,832	9,019,841	2,380,335	-	13,421,602
Field disposition and uses	5,978	-	79,616	-	311,933	4,423,400	33,749	-	4,769,082
Gathering system disposition and uses	-	-	-	-	-	-	-	-	-
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	2,013,819	113,505,072	5,932,505	-	121,451,396
Other disposition and uses	-	-	-	-	2,967,510	54,157,420	11,170,720	-	68,295,650
Other uses	-	-	-	-	2,090,912	936,793	-	-	3,027,705
Adjustment	-	-	-	-	356,533	- 2,802,787	126,330	-	- 3,033,081
Deliveries of marketable gas - By plants ...	-	-	-	-	-	-	-	-	-
By fields ...	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	99,381	-	12,619,867	-	33,771,436	844,054,926	138,277,328	43,068	1,028,866,006
Imports	-	-	17,646,695	-	-	99,076	-	-	17,745,771
Totals	99,381	-	30,266,562	-	33,771,436	844,154,002	138,277,328	43,068	1,046,611,777
Receipts from distributor storage	-	-	29,627,160	-	2,927,796	2,192,793	-	-	34,747,749
Other receipts	-	-	76	369,110	-	-	-	-	369,186
Transfers - In	-	32,299,744	254,249,393	368,479,593	407,787,936	2,679	223,949,553	-	...
Out	-	-	32,299,744	254,249,393	368,482,272	631,737,489	-	-	...
Net transfer	-	32,299,744	221,949,649	114,230,200	39,305,664	- 631,734,810	223,949,553	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	43,068	43,068
Total net utility supply	99,381	32,299,744	281,843,447	114,599,310	76,004,896	214,611,985	362,226,881	-	1,081,685,644
<u>Disposition</u>									
Sales:									
Residential	59,678	9,752,579	78,267,927	14,247,424	19,773,814	48,420,297	16,789,070	-	187,310,789
Industrial	-	18,768,338	104,458,002	8,916,956	27,588,726	89,647,351	35,289,543	-	284,668,916
Commercial	-	2,714,238	36,471,424	9,827,085	9,833,630	36,160,359	6,029,782	-	101,036,518
Total sales	59,678	31,235,155	219,197,353	32,991,465	57,196,170	174,228,007	58,108,395	-	573,016,223
Exports	-	-	3,144,212	73,987,381	-	29,308,188	298,269,244	-	404,709,025
Other deliveries	-	-	9,469	-	-	2,448,346	-	-	2,457,815
Delivered to distributor storage	-	-	38,140,233	-	3,313,612	4,714,981	-	-	46,168,826
Pipeline line pack fluctuation	-	- 6,605	29,945	4,530	20,735	316,168	185,534	-	550,307
Pipeline fuel	107	77,580	16,236,916	7,582,838	15,958,819	936,687	4,284,087	-	45,077,034
Pipeline losses etc.	39,596	993,614	5,085,319	33,096	- 484,440	2,659,608	1,379,621	-	9,706,414
Total disposition	99,381	32,299,744	281,843,447	114,599,310	76,004,896	214,611,985	362,226,881	-	1,081,685,644

(1) Production of approximately 4,000,000 Mcf. from December 1963 is included in 1964. (2) Consumers at field of own gas and small users not surveyed, but directly served by gas, were formerly included in sales and field uses.

TABLE II. Supply and Disposition of Crude Oil and equivalent, by Source

1961	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
<u>Domestic production</u>										
Crude oil	12,024	1,149,087	4,480,348	55,859,519	157,768,576	1,017,826	514,779	220,802,159	-	220,802,159
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	3,320,758	813,724(1)	-	8,764,792 ¹	-	8,764,792 ¹
Pentanes plus	-	-	-	225,959	4,404,351	-	-	-	-	-
Net withdrawals	12,024	1,149,087	4,480,348	56,085,478	165,493,685	1,831,550	514,779	229,566,951	-	229,566,951
Imports	-	-	-	-	-	-	-	-	133,265,463	133,265,463
Total supply	12,024	1,149,087	4,480,348	56,085,478	165,493,685	1,831,550	514,779	229,566,951	133,265,463	362,832,414
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	30,885,436	30,885,436
Quebec	-	-	-	-	-	-	-	-	99,966,024	99,966,024
Ontario	-	1,149,183	3,552,647	31,836,766	44,012,578	-	-	80,551,174	2,374,288	82,925,462
Manitoba	-	-	930,545	7,573,161	3,193,660	-	-	11,697,366	-	11,697,366
Saskatchewan	-	-	-	2,075,077	15,470,340	-	-	17,545,417	-	17,545,417
Alberta	-	-	-	627,915	25,023,740	67,438	-	25,719,093	-	25,719,093
British Columbia	-	-	-	-	23,895,575	1,065,105	-	24,960,680	-	24,960,680
Northwest Territories	-	-	-	-	-	-	526,197	526,197	-	526,197
Totals	-	1,149,183	4,483,192	42,112,919	111,595,893	1,132,543	526,197	160,999,927	133,225,748	294,225,675
<u>Exports to U.S.A.</u>										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	33,144,428	78,697	-	33,223,125	-	33,223,125
East of Rocky Mountains	-	-	-	-	110,616	-	-	110,616	-	110,616
Great Lakes Area	-	-	58,252	14,440,253	19,432,789	-	-	33,931,294	-	33,931,294
Totals	-	-	58,252	14,440,253	52,687,833	78,697	-	67,265,035	-	67,265,035
Deliveries to other purchasers ..	12,024	-	-	-	206,277	14,939	-	233,240	-	233,240
<u>Inventories</u>										
Opening - Field and plant .....	-	..	..	..	..	..	..	..	..	..
Transporters' .....	-	..	..	..	..	..	..	..	..	..
Closing - Field and plant .....	-	..	..	..	..	..	..	..	..	..
Transporters' .....	-	..	..	..	..	..	..	..	..	..
Net change	-	..	30,000	- 358,150	828,415	379,154	- 11,418	868,001	91,879	959,880
Pipeline fuel	-	-	-	-	-	-	-	-	-	-
Field and plant use	-	..	-	-	39,929	-	-	39,929	-	39,929
Losses and adjustments	-	- 96	- 91,096	- 109,544	135,338	226,217	-	160,819	- 52,164	108,655
Total disposition	12,024	1,149,087	4,480,348	56,085,478	165,493,685	1,831,550	514,779	229,566,951	133,265,463	362,832,414

See footnotes at end of table.

TABLE 11. Supply and Disposition of Crude Oil and Equivalent, by Source - Continued

1962	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
<u>Domestic production</u>										
Crude oil	10,333	1,134,534	3,926,683	64,432,411	165,131,140	8,914,220	597,693	244,147,014	-	244,147,014
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	7,052,436	847,445(1)	-	17,593,152 ¹	-	17,593,152 ¹
Pentanes plus	-	-	-	266,576	9,426,695	-	-	-	-	-
Net withdrawals	10,333	1,134,534	3,926,683	64,698,987	181,610,271	9,761,665	597,693	261,740,166	-	261,740,166
Imports	-	-	-	-	-	-	-	-	135,349,037	135,349,037
Total supply	10,333	1,134,534	3,926,683	64,698,987	181,610,271	9,761,665	597,693	261,740,166	135,349,037	397,089,203
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	31,726,732	31,726,732
Quebec	-	-	-	-	-	-	-	-	103,110,251	103,110,251
Ontario	-	1,136,951	3,474,665	37,903,365	42,214,409	-	-	84,729,390	527,838	85,257,228
Manitoba	-	-	468,644	9,265,358	2,696,260	-	-	12,430,262	-	12,430,262
Saskatchewan	-	-	-	3,369,035	16,638,332	-	-	20,007,367	-	20,007,367
Alberta	-	-	-	586,739	27,213,724	86,092	-	27,886,555	-	27,886,555
British Columbia	-	-	-	-	19,431,279	8,696,538	-	28,127,817	-	28,127,817
Northwest Territories	-	-	-	-	-	-	583,777	583,777	-	583,777
Totals	-	1,136,951	3,943,309	51,124,497	108,194,004	8,782,630	583,777	173,765,168	135,364,821	309,129,989
<u>Exports to U.S.A.</u>										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	45,370,984	493,533	-	45,864,517	-	45,864,517
East of Rocky Mountains	-	-	-	-	1,048,986	-	-	1,048,986	-	1,048,986
Great Lakes Area	-	-	40,400	14,509,825	24,663,783	-	-	39,214,008	-	39,214,008
Totals	-	-	40,400	14,509,825	71,083,753	493,533	-	86,127,511	-	86,127,511
Deliveries to other purchasers ..	10,333	-	-	23,385	278,519	57,389	-	369,626	-	369,626
<u>Inventories</u>										
Opening - Field and plant	-	..	106,500	518,572	1,285,687	57,811	52,378	2,020,948	-	2,020,948
Transporters'	-	..	43,000	6,251,663	13,549,383	290,354	-	20,104,400	264,934	20,369,334
Closing - Field and plant	-	..	73,666	394,578	1,177,771	63,929	59,970	1,769,914	-	1,769,914
Transporters'	-	..	13,121	4,922,947	14,376,752	1,059,236	-	20,372,056	209,733	20,581,789
Net change	-	..	- 32,713	- 1,452,710	719,453	775,000	7,592	16,622	- 55,201	- 38,579
<u>Pipeline fuel</u>										
Field and plant use	-	-	-	-	908,715	-	-	-	-	-
Losses and adjustments	-	-	- 2,417	- 24,313	493,990	425,827	- 346,887	6,324	552,524	39,417
Total disposition	10,333	1,134,534	3,926,683	64,698,987	181,610,271	9,761,665	597,693	261,740,166	135,349,037	397,089,203

See footnotes at end of table.

TABLE II. Supply and Disposition of Crude Oil and Equivalent, by Source - Continued

1963	New Brunswick	Ontario	Manitoba	Saskat-chawan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
<u>Domestic production</u>										
Crude oil	7,391	1,205,376	3,771,023	71,302,572	168,233,302	12,515,010	610,567	257,645,241	-	257,645,241
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	3,148,426	13,671	-	3,162,097	-	3,162,097
Pentanes plus	-	-	-	273,252	17,462,924	841,740	-	18,577,916	-	18,577,916
Net withdrawals	7,391	1,205,376	3,771,023	71,575,824	188,844,652	13,370,421	610,567	279,385,254	-	279,385,254
Imports	-	-	-	-	-	-	-	-	146,644,737	146,644,737
Total supply	7,391	1,205,376	3,771,023	71,575,824	188,844,652	13,370,421	610,567	279,385,254	146,644,737	426,029,991
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	8,058	-	-	-	-	-	-	8,058	35,636,529	35,644,587
Quebec	-	-	-	-	-	-	-	-	110,221,000	110,221,000
Ontario	-	1,207,125	3,161,021	42,376,120	48,199,572	-	-	94,943,838	729,435	95,673,273
Manitoba	-	-	594,384	9,848,650	2,022,806	-	-	12,465,840	-	12,465,840
Saskatchewan	-	-	-	3,647,659	16,847,938	-	-	20,495,597	-	20,495,597
Alberta	-	-	-	298,671	30,236,636	53,431	-	30,588,738	-	30,588,738
British Columbia	-	-	-	-	14,379,258	12,062,811	-	26,442,069	-	26,442,069
Northwest Territories	-	-	-	-	-	-	594,210	594,210	-	594,210
Totals	8,058	1,207,125	3,755,405	56,171,100	111,686,210	12,116,242	594,210	185,538,350	146,586,964	332,125,314
<u>Exports to U.S.A.</u>										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	44,881,225	1,136,173	-	46,017,398	-	46,017,398
East of Rocky Mountains	-	-	-	-	4,061,806	-	-	4,061,806	-	4,061,806
Great Lakes Area	-	-	-	15,262,737	25,287,613	-	-	40,550,350	-	40,550,350
Totals	-	-	-	15,262,737	74,230,644	1,136,173	-	90,629,554	-	90,629,554
Deliveries to other purchasers ..	-	-	-	11,763	97,393	15,779	-	124,935	-	124,935
<u>Inventories</u>										
Opening - Field and plant	-	..	73,666	394,578	1,177,771	63,929	59,970	1,769,914	-	1,769,914
Transporters'	-	..	13,121	4,922,947	14,376,752	1,059,236	-	20,372,056	209,733	20,581,789
Closing - Field and plant	-	..	71,710	395,955	1,260,348	62,585	68,241	1,858,839	-	1,858,839
Transporters'	-	..	12,400	4,629,543	14,890,535	1,129,607	-	20,662,085	273,014	20,935,099
Net change	-	..	- 2,677	- 292,027	596,360	69,027	8,271	378,954	63,281	442,235
Pipeline fuel	-	..	-	-	327,574	-	-	327,574	-	327,574
Field and plant use	-	..	-	2,912	511,803	10,378	-	525,093	-	525,093
Losses and adjustments	- 667	- 1,749	18,295	419,339	1,394,668	22,822	8,086	1,860,794	- 5,508	1,855,286
Total disposition	7,391	1,205,376	3,771,023	71,575,824	188,844,652	13,370,421	610,567	279,385,254	146,644,737	426,029,991

TABLE II. Supply and Disposition of Crude Oil and Equivalent, by Source - Continued

1964	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
<u>Domestic production</u>										
Crude oil	4,688	1,246,682	4,417,224	81,404,430	175,452,275	11,525,467	608,557	274,659,323	-	274,659,323
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	731,483	26,237	-	757,720	-	757,720
Pentanes plus	-	-	-	285,624	23,298,914	922,211	-	24,506,749	-	24,506,749
Net withdrawals	4,688	1,246,682	4,417,224	81,690,054	199,482,672	12,473,915	608,557	299,923,792	-	299,923,792
Imports	-	-	-	-	-	-	-	-	143,835,859	143,835,859
Total supply	4,688	1,246,682	4,417,224	81,690,054	199,482,672	12,473,915	608,557	299,923,792	143,835,859	443,759,651
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	9,876	-	-	-	-	-	-	9,876	39,311,656	39,321,532
Quebec	-	-	-	-	-	-	-	-	104,158,849	104,158,849
Ontario	-	1,243,784	3,342,903	47,889,421	50,394,289	-	-	102,870,397	475,976	103,346,373
Manitoba	-	-	1,242,149	8,937,001	3,355,230	-	-	13,534,380	-	13,534,380
Saskatchewan	-	-	-	4,274,558	15,821,539	-	-	20,096,097	-	20,096,097
Alberta	-	-	-	505,944	29,356,572	595	-	29,863,111	-	29,863,111
British Columbia	-	-	-	-	18,419,197	11,630,246	-	30,049,443	-	30,049,443
Northwest Territories	-	-	-	-	-	-	585,139	585,139	-	585,139
Totals	9,876	1,243,784	4,585,052	61,606,924	117,346,827	11,630,841	585,139	197,008,443	143,946,481	340,954,924
<u>Exports to U.S.A.</u>										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	50,732,567	942,671	-	51,675,238	-	51,675,238
East of Rocky Mountains	-	-	-	-	4,690,314	-	-	4,690,314	-	4,690,314
Great Lakes Area	-	-	-	19,373,821	25,978,394	-	-	45,352,215	-	45,352,215
Totals	-	-	-	19,373,821	81,401,275	942,671	-	101,717,767	-	101,717,767
<u>Deliveries to other purchasers</u> ..										
Opening - Field and plant .....	..	-	71,710	395,955	1,260,348	62,585	68,241	1,858,839	-	1,858,839
Transporters' .....	..	-	12,400	4,629,543	14,890,535	1,129,607	-	20,662,085	273,014	20,935,099
Closing - Field and plant .....	..	-	89,124	468,711	1,260,911	54,533	57,227	1,930,506	-	1,930,506
Transporters' .....	..	-	13,098	4,831,187	15,003,340	1,084,498	-	20,932,123	198,412	21,130,535
Net change .....	..	-	18,112	274,400	113,368	- 53,161	- 11,014	341,705	- 74,602	267,103
Pipeline fuel .....	..	-	-	159	355,383	-	-	355,542	-	355,542
Field and plant use .....	..	..	-	10,756	150,480	19,520	-	180,756	-	180,756
Losses and adjustments	- 5188	2,898	- 185,940	407,200	34,643	- 55,530	34,432	232,515	- 36,020	196,495
Total disposition	4,688	1,246,682	4,417,224	81,690,054	199,482,672	12,473,915	608,557	299,923,792	143,835,859	443,759,651

TABLE 1. Supply and Disposition of Crude Oil and Equivalent, by Source - Continued

1965	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
<u>Domestic production</u>										
Crude oil	4,103	1,279,162	4,946,509	87,788,935	188,294,675 4,688,770	13,470,757	644,998	296,429,139 4,688,770	-	296,429,139 4,688,770
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	252,736	549,764 26,085,824	31,782 947,429	-	581,546 27,285,989	-	581,546 27,285,989
Pentanes plus	-	-	-	-	-	-	-	-	-	-
Net withdrawals	4,103	1,279,162	4,946,509	88,041,671	210,241,493	14,449,968	644,998	319,607,904	-	319,607,904
Imports	-	-	-	-	-	-	-	-	144,203,609	144,203,609
Total supply	4,103	1,279,162	4,946,509	88,041,671	210,241,493	14,449,968	644,998	319,607,904	144,203,609	463,811,513
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	4,103	242	-	-	-	-	-	4,345	37,769,904	37,774,249
Quebec	-	-	-	-	-	-	-	-	105,577,861	105,577,861
Ontario	-	1,279,079	4,430,799	49,987,539	53,659,178	-	-	109,356,595	652,891	110,009,486
Manitoba	-	-	661,076	7,922,241	5,811,489	-	-	14,394,806	-	14,394,806
Saskatchewan	-	-	-	4,552,442	16,766,805	-	-	21,319,247	-	21,319,247
Alberta	-	-	-	664,250	32,727,333	-	-	33,391,583	-	33,391,583
British Columbia	-	-	-	-	17,875,203	11,574,008	-	29,449,211	-	29,449,211
Northwest Territories	-	-	-	-	-	-	665,556	665,556	-	665,556
Totals	4,103	1,279,321	5,091,875	63,126,472	126,840,008	11,574,008	665,556	208,581,343	144,000,656	352,581,999
<u>Exports to U.S.A.</u>										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	49,678,898	2,377,495	-	52,056,393	-	52,056,393
East of Rocky Mountains	-	-	-	-	4,730,897	-	-	4,730,897	-	4,730,897
Great Lakes Area	-	-	-	24,499,310	26,410,233	-	-	50,909,543	-	50,909,543
Totals	-	-	-	24,499,310	80,820,028	2,377,495	-	107,696,833	-	107,696,833
<u>Deliveries to other purchasers</u> ..	-	-	-	16,221	91,201	29,390	-	136,812	-	136,812
<u>Inventories</u>										
Opening - Field and plant .....	..	-	89,124	468,711	1,260,911	54,533	57,227	1,930,506	-	1,930,506
Transporters' .....	..	-	13,098	4,831,187	15,003,340	1,084,498	-	20,932,123	198,412	21,130,535
Closing - Field and plant .....	..	-	79,632	433,354	1,230,772	81,189	52,441	1,877,388	-	1,877,388
Transporters' .....	..	-	13,856	5,034,991	16,123,646	1,551,825	-	22,724,318	388,856	23,113,174
Net change .....	..	-	- 8,734	168,447	1,090,167	493,983	- 4,786	1,739,077	190,444	1,929,521
Pipeline fuel	-	-	-	-	325,774	-	-	325,774	-	325,774
Field and plant use	-	-	-	14,600	159,515	-	-	174,115	-	174,115
Losses and adjustments	-	- 159	- 136,632	216,621	914,800	- 24,908	- 15,772	953,950	12,509	966,459
Total disposition	4,103	1,279,162	4,946,509	88,041,671	210,241,493	14,449,968	644,998	319,607,904	144,203,609	463,811,513

(1) Condensate and Pentanes plus combined. (2) A breakdown of the inventories held at fields and plants on the one hand and by transporters on the other is not available, and thus net change is shown in total.

TABLE 12. Employees and their Earnings for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

	Employees				Total	Man-hours worked-all employees	Earnings				
	Administration		Workmen				Administration	Workmen	Total		
	Male	Female	Male	Female							
number											
1957	1,427	282	3,807	78	5,594	13,856	8,929	18,450	27,379		
1958	1,377	250	3,240	43	4,910	11,886	9,139	15,093	24,232		
1959	1,132	236	3,352	45	4,765	10,395	8,693	16,814	25,507		
1960	1,059	187	3,068	35	4,349	9,306	7,900	15,677	23,577		
1961	886	175	3,082	14	4,157	9,008	7,017	16,631	23,648		
1962	845	172	2,934	27	3,978	8,591	6,756	16,520	23,276		
1963	671	129	2,836	21	3,657	7,460	5,372	16,451	21,823		

TABLE 13. Employees, Man-hours and Earnings for the Natural Gas Processing Industry (S.I.C. 065), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

	Employees				Total	Man-hours worked-all employees	Earnings				
	Administration		Workmen				Administration	Workmen	Total		
	Male	Female	Male	Female							
number											
1957	49	3	218	-	270	577	288	1,121	1,409		
1958	69	7	334	1	411	826	469	1,624	2,093		
1959	63	2	394	2	461	936	457	2,069	2,526		
1960	152	20	496	1	669	1,405	1,010	2,780	3,790		
1961	171	16	557	-	744	1,539	1,229	3,248	4,477		
1962	174	18	653	-	845	1,761	1,332	4,231	5,563		
1963	201	17	743	-	961	2,038	1,547	4,765	6,312		

TABLE 14. Employees and their Earnings for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), 1961-63

Note: Basis: Revised standard industrial classification and new establishment concept

	Employees				Total	Earnings			
	Office and administration		Workmen			Office and Administration	Workmen	Total	
	Male	Female	Male	Females					
number									
<u>1961</u>									\$'000
New Brunswick	-	-	12	-	12	-	41	41	
Ontario	17	14	179	-	210	89	489	578	
Manitoba	18	2	74	-	94	113	357	470	
Saskatchewan	277	50	526	3	856	2,110	2,702	4,812	
Alberta	457	102	2,096	11	2,666	3,856	11,774	15,630	
British Columbia	116	7	174	-	297	838	1,088	1,926	
Northwest Territories	1	-	21	-	22	11	180	191	
Totals	886	175	3,082	14	4,157	7,017	16,631	23,648	
<u>1962</u>									
New Brunswick	-	-	11	-	11	-	35	35	
Ontario	15	10	143	-	168	96	466	562	
Manitoba	8	-	37	-	45	19	163	182	
Saskatchewan	243	45	518	2	808	1,851	2,633	4,486	
Alberta	426	95	2,001	25	2,547	3,568	11,863	15,431	
British Columbia	151	22	215	-	388	1,206	1,305	2,511	
Northwest Territories	2	-	9	-	11	16	55	71	
Totals	845	172	2,934	27	3,978	6,756	16,520	23,276	
<u>1963</u>									
New Brunswick	-	-	9	-	9	-	33	33	
Ontario	13	7	120	-	140	87	428	515	
Manitoba	16	3	61	1	81	114	297	311	
Saskatchewan	134	28	502	6	670	1,047	2,691	3,738	
Alberta	407	85	1,816	11	2,319	3,427	10,659	14,084	
British Columbia	88	6	313	3	410	609	2,235	2,841	
Northwest Territories	13	-	15	-	28	88	108	196	
Totals	671	129	2,836	21	3,657	5,372	16,451	21,823	

Table 12. Employees, Salaries and Wages for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

Note: Bases: Revised standard industrial classification and new establishment concept

	Employees						Salaries and wages		
	Production and related workers		Management, professional, technical and administrative		Total		Production and related workers	Management, professional, technical and administrative	Total \$'000
	Male	Female	Male	Female	Male	Female			
	number								
<u>1961</u>									
New Brunswick	12	-	3	-	15	-	41	15	56
Ontario	279	-	83	35	362	35	806	687	1,493
Manitoba	74	-	28	6	102	6	357	172	529
Saskatchewan	542	3	472	110	1,014	113	2,787	3,803	6,590
Alberta	2,410	11	5,129	1,598	7,539	1,609	13,513	46,400	59,913
British Columbia	112	-	221	34	333	34	654	1,753	2,407
Yukon, Northwest Territories and Arctic Islands	21	-	1	-	22	-	180	11	191
Canada	3,450	14	5,937	1,783	9,387	1,797	18,338	52,841	71,179
<u>1962</u>									
New Brunswick	11	-	3	-	14	-	35	13	48
Ontario	243	-	74	31	317	31	812	816	1,628
Manitoba	55	-	24	7	79	7	256	171	427
Saskatchewan	528	2	404	98	932	100	2,707	3,182	5,889
Alberta	2,446	25	5,181	1,591	7,627	1,616	14,656	49,300	63,954
British Columbia	171	-	277	50	448	50	1,023	2,285	3,308
Yukon, Northwest Territories and Arctic Islands	9	-	2	-	11	-	55	16	71
Canada	3,463	27	5,965	1,777	9,428	1,804	19,542	55,783	75,325
<u>1963</u>									
New Brunswick	9	-	2	-	11	-	33	15	48
Ontario	220	-	70	22	290	22	769	700	1,469
Manitoba	58	1	19	4	77	5	296	136	432
Saskatchewan	513	6	426	111	939	117	2,770	3,511	6,281
Alberta	2,356	24	5,251	1,630	7,607	1,654	14,102	50,062	64,164
British Columbia	173	3	263	48	436	51	1,202	2,220	3,422
Yukon, Northwest Territories and Arctic Islands	15	-	13	-	28	-	108	88	196
Canada	3,344	34	6,044	1,815	9,388	1,849	19,280	56,732	76,012
<u>1964</u>									
New Brunswick	6	-	1	-	7	-	19	9	28
Quebec	-	-	-	-	-	-	-	-	-
Ontario	214	1	76	22	290	23	766	746	1,512
Manitoba	71	-	24	9	95	9	350	182	532
Saskatchewan	462	3	393	94	855	97	2,714	3,420	6,134
Alberta	2,333	24	5,437	1,611	7,770	1,635	13,775	52,178	65,953
British Columbia	169	-	214	36	383	36	1,094	1,732	2,826
Yukon, Northwest Territories and Arctic Islands	19	-	23	-	42	-	166	155	321
Canada	3,274	28	6,168	1,772	9,442	1,800	18,884	58,422	77,306
<u>1965</u>									
New Brunswick	6	-	-	-	6	-	27	-	27
Quebec	-	-	5	3	5	3	-	58	58
Ontario	224	2	102	25	326	27	1,209	860	2,069
Manitoba	61	2	24	4	85	6	296	189	485
Saskatchewan	497	6	365	122	862	128	3,019	3,503	6,522
Alberta	2,273	10	5,791	1,856	8,064	1,866	13,937	58,336	72,273
Yukon, Northwest Territories, Arctic Islands, Offshore and Hudson Bay	147	-	194	34	341	34	961	1,805	2,766
Canada	3,242	20	6,510	2,045	9,752	2,065	19,689	64,998	84,687

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965

	Number of employees			\$'000	
	Male	Female	Total		
<u>CANADA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	625	4	629		
Totals	625	4	629	10,932	
<u>Professional, technical and administrative</u>					
Geophysicists	343	2	345		
Geologists	886	4	890		
Petroleum engineers	746	-	746		
Other engineers	118	-	118		
Other professional personnel	519	5	524		
Sub-totals	2,612	11	2,623	25,322	
Specialists and technicians	1,440	302	1,742		
Clerical and secretarial	1,159	1,701	2,860		
Other administrative personnel	674	27	701		
Totals	5,885	2,041	7,926	54,062	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	3,242	20	3,262	19,539	
Total employment, salaries and wages	9,752	2,065	11,817	84,687	
	Male	Female			
<u>Month-end production employment statistics</u>	number				
January 31	3,120			19	
February 28	3,148			19	
March 31	3,166			19	
April 30	3,152			19	
May 31	3,244			20	
June 30	3,274			23	
July 31	3,357			24	
August 31	3,333			24	
September 30	3,278			18	
October 31	3,283			19	
November 30	3,267			19	
December 31	3,277			16	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours					
<u>Man-hour statistics - Quarterly and annual</u>					
At work	1,612	1,638	1,569	1,642	6,461
Not worked	71	107	260	151	589
Totals	1,683	1,745	1,829	1,793	7,050

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>NEW BRUNSWICK</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	-	-	-		
Totals	-	-	-	-	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	-	-	-		
Petroleum engineers	-	-	-		
Other engineers	-	-	-		
Other professional personnel	-	-	-		
Sub-totals	-	-	-	-	
Specialists and technicians	-	-	-		
Clerical and secretarial	-	-	-		
Other administrative personnel	-	-	-		
Totals	-	-	-	-	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	6	-	6	27	
Total employment, salaries and wages	6	-	6	27	
	Male		Female		
<u>Month-end production employment statistics</u>	number				
January 31	6			-	
February 28	6			-	
March 31	7			-	
April 30	7			-	
May 31	7			-	
June 30	8			-	
July 31	7			-	
August 31	5			-	
September 30	5			-	
October 31	5			-	
November 30	5			-	
December 31	5			-	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours					
<u>Man-hour statistics - Quarterly and annual</u>					
At work	5	4	3	3	15
Not worked	1	--	--	--	1
Totals	6	4	3	3	16

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>QUEBEC</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	1	-	1	
Totals	1	-	1	19
<u>Professional, technical and administrative</u>				
Geophysicists	-	-	-	
Geologists	1	-	1	
Petroleum engineers	-	-	-	
Other engineers	-	-	-	
Other professional personnel	-	-	-	
Sub-totals	1	-	1	9
Specialists and technicians	1	-	1	
Clerical and secretarial	1	3	4	
Other administrative personnel	1	-	1	
Totals	4	3	7	39
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	-	-	-	
Total employment, salaries and wages	5	3	8	58
Male		Female		
<u>Month-end production employment statistics</u>				
January 31	-			
February 28	-			
March 31	-			
April 30	-			
May 31	-			
June 30	-			
July 31	-			
August 31	-			
September 30	-			
October 31	-			
November 30	-			
December 31	-			
Jan. 1 - Mar. 31		Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31
'000 hours				
<u>Man-hour statistics - Quarterly and annual</u>				
At work	-	-	-	-
Not worked	-	-	-	-
Totals	-	-	-	-

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>ONTARIO</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	26	1	27		
Totals	26	1	27	226	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	8	-	8		
Petroleum engineers	8	-	8		
Other engineers	4	-	4		
Other professional personnel	2	-	2		
Sub-totals	22	-	22	208	
Specialists and technicians					
Clerical and secretarial	12	-	12		
Other administrative personnel	12	24	36		
Totals	30	-	30		
76	24	100	634		
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	224	2	226	1,209	
Total employment, salaries and wages	326	27	353	2,069	
	Male		Female		
<u>Month-end production employment statistics</u>	number				
January 31	213			1	
February 28	213			1	
March 31	218			1	
April 30	219			1	
May 31	230			2	
June 30	229			2	
July 31	232			2	
August 31	228			2	
September 30	234			2	
October 31	227			2	
November 30	225			2	
December 31	218			2	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
	'000 hours				
<u>Man-hour statistics - Quarterly and annual</u>					
At work	102	107	124	113	446
Not worked	7	8	11	8	34
Totals	109	115	135	121	480

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>MANITOBA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	4	1	5		
Totals	4	1	5	43	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	-	-	-		
Petroleum engineers	4	-	4		
Other engineers	6	-	6		
Other professional personnel	1	-	1		
Sub-totals	11	-	11	88	
Specialists and technicians	2	-	2		
Clerical and secretarial	4	3	7		
Other administrative personnel	3	-	3		
Totals	20	3	23	146	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	61	2	63	296	
Total employment, salaries and wages	85	6	91	485	
	Male	Female			
<u>Month-end production employment statistics</u>	number				
January 31	69			3	
February 28	71			3	
March 31	69			3	
April 30	68			3	
May 31	71			3	
June 30	72			4	
July 31	62			6	
August 31	71			6	
September 30	42			-	
October 31	41			-	
November 30	41			-	
December 31	55			-	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours					
<u>Man-hour statistics - Quarterly and annual</u>					
At work	36	36	29	19	120
Not worked	1	1	5	1	8
Totals	37	37	34	20	128

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>SASKATCHEWAN</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	35	1	36		
Totals	35	1	36	374	
<u>Professional, technical and administrative</u>					
Geophysicists	11	-	11		
Geologists	48	-	48		
Petroleum engineers	55	-	55		
Other engineers	9	-	9		
Other professional personnel	16	-	16		
Sub-totals	139	-	139	1,167	
Specialists and technicians	88	18	106		
Clerical and secretarial	33	102	135		
Other administrative personnel	70	1	71		
Totals	330	121	451	3,129	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	497	6	503	3,019	
Total employment, salaries and wages	862	128	990	6,522	
	Male	Female			
<u>Month-end production employment statistics</u>	number				
January 31	438			5	
February 28	439			5	
March 31	437			6	
April 30	459			6	
May 31	490			6	
June 30	503			6	
July 31	549			6	
August 31	549			6	
September 30	532			6	
October 31	527			7	
November 30	528			7	
December 31	515			4	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
	'000 hours				
<u>Man-hour statistics - Quarterly and annual</u>					
At work	219	248	263	268	998
Not worked	9	13	37	19	78
Totals	228	261	300	287	1,076

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Cont'd.

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>ALBERTA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	552	1	553		
Totals	552	1	553	10,193	
<u>Professional, technical and administrative</u>					
Geophysicists	302	2	304		
Geologists	782	4	786		
Petroleum engineers	662	-	662		
Other engineers	93	-	93		
Other professional personnel	486	5	491		
Sub-totals	2,325	11	2,336	22,747	
Specialists and technicians	1,273	260	1,533		
Clerical and secretarial	1,095	1,558	2,653		
Other administrative personnel	546	26	572		
Totals	5,239	1,855	7,094	48,143	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	2,273	10	2,283	13,937	
Total employment, salaries and wages	8,064	1,866	9,930	72,273	
	Male	Female			
<u>Month-end production employment statistics</u>	number				
January 31	2,240			10	
February 28	2,255			10	
March 31	2,267			9	
April 30	2,224			9	
May 31	2,234			9	
June 30	2,255			11	
July 31	2,308			10	
August 31	2,290			10	
September 30	2,280			10	
October 31	2,306			10	
November 30	2,295			10	
December 31	2,321			10	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
	'000 hours				
<u>Man-hour statistics - Quarterly and annual</u>					
At work	1,161	1,132	1,065	1,141	4,499
Not worked	51	80	195	116	442
Totals	1,212	1,212	1,260	1,257	4,941

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages														
	Male	Female	Total															
				\$'000														
<u>BRITISH COLUMBIA</u>																		
<u>Management</u>																		
Working owners and partners	-	-	-															
Management	4	-	4															
Totals	4	-	4	37														
<u>Professional, technical and administrative</u>																		
Geophysicists	30	-	30															
Geologists	36	-	36															
Petroleum engineers	17	-	17															
Other engineers	6	-	6															
Other professional personnel	14	-	14															
Sub-totals	103	-	103	1,033														
Specialists and technicians	55	24	79															
Clerical and secretarial	13	10	23															
Other administrative personnel	19	-	19															
Totals	190	34	224	1,768														
<u>Production, field, plant and related operations</u>																		
Field, plant and related employees	147	-	147	961														
Total employment, salaries and wages	341	34	375	2,766														
	Male		Female															
<u>Month-end production employment statistics</u>	number																	
January 31	119			-														
February 28	120			-														
March 31	128			-														
April 30	136			-														
May 31	177			-														
June 30	177			-														
July 31	177			-														
August 31	174			-														
September 30	163			-														
October 31	134			-														
November 30	130			-														
December 31	129			-														
	Jan. 1 - Mar. 31		Apr. 1 - June 30		July 1 - Sept. 30		Oct. 1 - Dec. 31		Jan. 1 - Dec. 31									
	'000 hours																	
<u>Man-hour statistics - Quarterly and annual</u>																		
At work	61	87	73	68	289													
Not worked	2	5	12	6	25													
Totals	63	92	85	74	314													

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Concluded

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>YUKON, NORTHWEST TERRITORIES, ARCTIC ISLANDS, OFFSHORE AND HUDSON BAY</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	3	-	3		
Totals	3	-	3	39	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	11	-	11		
Petroleum engineers	-	-	-		
Other engineers	-	-	-		
Other professional personnel	-	-	-		
Sub-totals	11	-	11	71	
Specialists and technicians	9	-	9		
Clerical and secretarial	1	1	2		
Other administrative personnel	5	-	5		
Totals	26	1	27	208	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	34	-	34	240	
Total employment, salaries and wages	63	1	64	487	
	Male	Female			
<u>Month-end production employment statistics</u>					
January 31	35				
February 28	44				
March 31	40				
April 30	39				
May 31	35				
June 30	30				
July 31	22				
August 31	16				
September 30	22				
October 31	43				
November 30	43				
December 31	34				
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
<u>'000 hours</u>					
<u>Man-hour statistics - Quarterly and annual</u>					
At work	28	24	12	30	94
Not worked	--	-	-	1	1
Totals	28	24	12	31	95

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