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26-213

ANNUAL

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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1967

Published by Authority of
The Minister of Industry, Trade and Commerce

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

August 1970
6503-544

Price: 50 cents

SELECTED PUBLICATIONS ON ENERGY AND MINERAL STATISTICS

Dominion Bureau of Statistics
Ottawa, Canada

Catalogue number	Name of publication	Price
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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

1967

In order to implement fully 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, payment to contractors and total expenditures for both current and capital operations. The data in this report were compiled using this special survey along with current 1966 data from all companies in the Oil and Gas - Exploration, Development and Production Industry (S.I.C. 064). This industry includes 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). Oil Shale and Bituminous Sand Pits Industry (S.I.C. 066) is excluded from the principal statistics, but synthetic crude oil production is included in the commodity tables. The following are concepts and definitions which have been used in this report and which will be used in succeeding publications.

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 gas and oil pipe line industries are included in Industry (S.I.C. 515), and data on this industry are published annually in Gas Utilities (Catalogue No. 57-205) and Oil Pipe Line Transport (Catalogue No. 55-201).

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. 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, it may not necessarily be engaged in all phases in any one province. Refining and marketing activities of oil companies are not included in S.I.C. 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 S.I.C. 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 this 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 they are not treated as "capital formation" for National Accounts purposes. Expenditures on geological and geophysical activity, field and well operations, natural gas plant operation, and other operating expenses such as land departments, taxes, royalties, etc., are, as may be expected, treated as current expenditures (see Tables 5 and 6).

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 or to other contractors a company may hire for road grading, carpentry, etc. In addition, all the service costs of a company such as automobile

leasing, telephone expenditures, insurance, service costs at producing wells, 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, 9 and 10) 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, 9 and 10, data are provided which allocate salaries and wages by function, by province (Table 5). 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 10. 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, 9 and 10 are those paid by the province of location of the employee (in this case Alberta).

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" plus reproduction from field storage, less the amount of gas or oil that is reinjected into field pools or storage. For valuation purposes, shrinkage is deducted from the volume.

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, losses and shrinkage, 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. The differences between shipments and marketable production are inventory changes which may occur because a company may produce and accumulate or draw down inventories.

Materials and Supplies used in Producing Activities

Data provided in Table 5 represent quantities at laid down cost to 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. 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.

Value Added

(a) By production activities:

Is defined as the value of marketable production less materials and supplies purchased, 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 establishment's 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

In 1967 the value of marketable production (including synthetic crude) of the Crude Petroleum and Natural Gas Industry amounted to \$1,230,933,000, and increase of 11.3% over 1966. Crude oil and field condensate amounted to \$866,335,000, an increase of 9.8%; natural gas \$184,732,000, and increase of 12.2%; natural gas processing plant products (that is pentanes plus, propane, butanes and sulphur) \$179,866,000, up 29.2% over 1966 values.

For reasons of confidentiality of individual company data it is not possible to provide the value of marketable production, by commodity, by province. However, Table 1 shows the total value of marketable production of all commodities at the provincial level. The value of shipments for each hydrocarbon commodity (i.e. with sulphur excluded) by province, is shown in Table 3. In 1967, Alberta maintained its dominance in terms of the value of shipments of hydrocarbon products, with \$847,340,000 or 73.0% of the national figure of \$1,161,073,000.

The total number of employees in the industry in Canada increased from 12,378 in 1966 to 13,113, but the relative percentage employed in each occupational group remained much the same. In 1967, management accounted for 5.7% of the total work force; professional categories 24.7%; specialists, technical, clerical and administrative 42.5%; field, plant and related workers 27.1%. Total salaries and wages paid during 1967 increased to \$111,855,000 from \$95,997,000 reported in 1966, up 16.5%. Alberta had 86.0% of the total employees and paid 87.1% of the total salaries and wages, due in part to a large number of companies maintaining head offices in Alberta.

Operating expenditures rose from \$544,570,000 in 1966 to \$626,664,000 in 1967, an increase of 15.1%. During the current year geological and geophysical expenditures accounted for 24.0% of the total operating expenditures; royalties 23.5%; field and well operations 20.5%; retention costs 15.7%; natural gas processing plants 8.3%; all other expenditures 8.0%.

Capital expenditures increased 9.0% from \$503,280,000 in 1966 to \$548,850,000 in 1967, due for the most part to increases in natural gas processing plant construction. Exploratory and development drilling accounted for 41.7% of the total capital expenditures in 1967; natural gas processing plants 19.0%; oil and gas field facilities 11.5%; other buildings and machinery 3.9%; secondary recovery facilities 3.1%. Land sites purchased for construction purposes and land acquisition (includes cash bonuses paid for Crown permits, reservations and leases) accounted for 20.8% of the total capital expenditures, but are not considered as part of "capital formation" for National accounts purposes.

Value added for total activity by the industry in 1967 was \$1,189,867, an increase of 12.3% over 1966.

TABLE 1. Principal Statistics(1) for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province, 1961-67.

Basis: Revised Standard Industrial Classification and New Establishment Concepts

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	Withdrawals	Number	Salaries and wages	
No.	'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	No.	'000	No.	\$'000	\$'000
<u>1961</u>													
Total	632	3,464	7,334	18,338	9,903	15,218	608,801	583,680	-	-	11,184	71,179	598,902
<u>1962</u>													
Total	621	3,490	7,396	19,542	11,237	18,180	707,837	678,420	-	-	11,232	75,325	690,075
<u>1963</u>													
Total	624	3,378	7,075	19,280	13,334	21,331	818,457	783,792	-	-	11,237	76,012	796,444
<u>1964</u>													
Total	640	3,302	7,236	18,884	13,531	22,171	909,573	867,871	-	-	11,242	77,306	880,828
<u>1965</u>													
Total	675	3,262	7,050	19,689	14,080	23,724	978,135	940,331	-	-	11,817	84,687	932,499
<u>1966</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	3	5	10	19	-	3	97	94	-	-	5	19	78
Québec	4	-	-	-	-	-	-	-	-	-	7	40	(38)
Ontario	95	159	330	894	121	283	10,170	9,766	-	-	273	1,845	10,057
Manitoba	52	47	96	311	282	192	13,057	12,583	-	-	65	439	12,631
Saskatchewan	132	561	1,164	3,430	5,149	5,389	219,619	209,081	-	-	1,063	7,716	210,155
Alberta	224	2,359	4,910	15,469	7,400	21,856	790,332	761,076	-	-	10,493	82,188	769,164
British Columbia	78	227	478	1,672	-	1,312	58,378	57,066	-	-	454	3,427	57,787
Yukon, Northwest Territories and Arctic Islands	44	8	15	50	-	124	882	758	-	-	24	208	85
Off Shore and Hudson Bay	16	9	23	69	-	-	-	-	-	-	14	115	(524)
Total	648	3,375	7,026	21,914	12,952	29,159	1,092,535	1,050,424	-	-	12,378	95,997	1,059,395
<u>1967</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	9	6	12	23	-	12	100	88	-	-	6	23	85
Québec	10	-	-	-	-	-	9	9	-	-	6	35	7
Ontario	76	163	345	996	127	137	8,955	8,691	-	-	261	1,902	8,820
Manitoba	59	43	92	287	286	295	13,998	13,417	-	-	66	439	13,466
Saskatchewan	163	537	1,185	3,680	5,240	5,568	220,292	209,484	-	-	966	7,555	209,259
Alberta	233	2,558	5,332	18,977	7,800	24,380	913,519	881,339	-	-	11,274	97,388	887,639
British Columbia	105	232	484	1,879	-	1,916	71,925	70,009	-	-	506	4,250	70,734
Yukon, Northwest Territories and Arctic Islands	68	11	20	101	-	107	888	781	-	-	12	114	263
Off Shore and Hudson Bay	22	1	2	6	-	-	-	-	-	-	16	149	(353)
Total	745	3,551	7,472	25,949	13,453	32,415	1,229,686	1,183,818	-	-	13,113	111,855	1,189,867

(1) Excludes establishments engaged in synthetic crude oil operations.

TABLE 2. Marketable Production and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-67

Products		1963		1964		1965		1966		1967	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$'000		\$'000		\$'000		\$'000		\$'000	
Crude oil	bbl.	257,120,148	622,574	274,478,567	673,965	291,511,591	716,899	319,568,079	786,706	349,800,855	862,901
Synthetic crude oil	bbl.	-	-	-	-	-	-	-	-	453,541	1,247
Condensate and pentanes plus	bbl.	21,740,013	54,400	25,264,469	64,127	27,867,535	71,084	29,351,280	75,832	30,737,226	78,818
Natural gas	Mcf.	846,898,532	116,721	944,280,103	134,551(1)	1,028,866,006	147,388(1)	1,106,641,641	164,642(1)	1,217,172,423	184,732(1)
Propane	bbl.	4,083,974	5,765	5,761,359	7,269	9,897,945	12,532	12,355,015	17,446	14,115,609	23,548
Butane	bbl.	2,973,529	4,040	5,295,776	7,235	6,376,637	8,379	7,976,268	10,720	9,018,922	12,727
Sulphur	long ton	1,270,493	14,957	1,460,423	16,426	1,572,691	21,853	1,706,019	37,189	2,190,278	66,960
Total value			818,457		903,573		978,135		1,092,535		1,230,933

(1) Includes value of helium.

TABLE 3. Value of Shipments of Hydrocarbon Products for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967

Products	Canada		New Brunswick		Quebec		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia		Northwest Territories	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Crude oil bbl.	349,750,850	862,759	8,837	12	-	-	1,240,159	3,524	5,578,930	13,982	92,458,249	211,642	230,060,464	587,832	19,715,542	44,882	688,669	885
Synthetic crude oil bbl.	23,240	64	-	-	-	-	-	-	-	-	-	-	23,240	64	-	-	-	-
Condensate and pentanes plus ... bbl.	30,694,732	78,709	-	-	-	-	-	-	-	-	295,886	689	29,339,317	75,608	1,059,529	2,412	-	-
Natural gas Mcf.	1,217,172,423	184,183	101,948	88	59,130	9	14,228,759	5,431	-	-	38,860,594	5,410	966,342,723	151,561	197,538,680	21,667	40,589	17
Propane	bbl.	13,800,141	23,014	-	-	-	-	-	-	-	871,823	1,187	12,535,162	21,228	393,156	599	-	-
Butane	bbl.	8,745,095	12,344	-	-	-	-	-	-	-	396,231	638	7,945,162	11,047	403,702	659	-	-
Total value		1,161,073		100		9		8,955		13,982		219,566		847,340		70,219		902

TABLE 4. Net Production Withdrawals and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967

Products	Canada		New Brunswick		Quebec		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia		Northwest Territories	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Crude oil, condensate and pentanes plus bbl.	380,715,264	942,162	8,837	12	-	-	1,240,159	3,524	5,585,141	13,998	92,830,881	212,499	259,658,895	664,104	20,713,414	47,154	677,937	871
Synthetic crude oil bbl.	453,541	1,247	-	-	-	-	-	-	-	-	-	-	453,541	1,247	-	-	-	-
Natural gas Mcf.	1,471,735,152	197,983	103,877	88	59,130	9	14,228,759	5,431	-	-	49,975,781	6,638	1,181,927,668	161,807	225,399,348	23,993	40,589	17
Total value		1,141,392		100		9		8,955		13,998		219,137		827,158		71,147		888

TABLE 5. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967

	Canada	Maritimes	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon, Northwest Territories and Arctic Islands	Off Shores and Hudson Bay
\$'000										
<u>Geological and geophysical operations</u>										
Salaries and wages	40,787	27	148	181	73	2,861	32,174	3,470	1,163	690
Materials and supplies	9,683	4	5	16	14	854	6,523	997	780	490
Contractor and service payments	99,813	586	395	204	399	8,206	61,037	13,959	8,938	6,089
Totals	150,283	617	548	401	486	11,921	99,734	18,426	10,881	7,269
<u>Field and well operations</u>										
Salaries and wages	32,278	44	-	1,222	729	7,356	21,115	1,788	24	-
Materials and supplies	18,213	12	-	125	295	5,288	10,933	1,453	107	-
Contractor and service payments	78,057	-	-	736	1,542	23,135	47,992	4,407	245	-
Totals	128,548	56	-	2,083	2,566	35,779	80,040	7,648	376	-
<u>Natural gas processing plants</u>										
Salaries and wages	14,373	-	-	64	-	300	13,058	951	-	-
Materials and supplies	14,202	-	-	12	-	280	13,447	463	-	-
Contractor and service payments	23,552	-	-	26	-	521	20,978	2,027	-	-
Totals	52,127	-	-	102	-	1,101	47,483	3,441	-	-
<u>Other including land and lease acquisition and retention</u>										
Salaries and wages	17,966	4	6	246	26	1,260	15,676	290	445	13
Materials and supplies	2,857	-	-	44	15	441	2,062	208	85	2
Contractor and service payments	16,189	-	11	113	79	3,007	9,861	2,452	394	272
Retention(1)	98,136	342	99	900	519	8,945	72,119	10,357	3,811	1,044
Royalties	147,205	5	-	503	1,718	27,845	107,427	9,607	100	-
Taxes (excluding income tax)	13,353	-	-	164	220	2,895	9,622	452	-	-
Totals	295,706	351	116	1,970	2,577	44,393	216,767	23,366	4,835	1,331
<u>Grand totals</u>										
Salaries and wages	105,404	75	154	1,713	828	11,777	82,023	6,499	1,632	703
Materials and supplies	44,955	16	5	197	324	6,863	32,965	3,121	972	492
Contractor and service payments	204,158	586	406	952	1,734	29,629	132,068	22,845	9,577	6,361
Electricity	13,453	-	-	127	286	5,240	7,800	-	-	-
Retention(1)	98,136	342	99	900	519	8,945	72,119	10,357	3,811	1,044
Royalties	147,205	5	-	503	1,718	27,845	107,427	9,607	100	-
Taxes (excluding income tax)	13,353	-	-	164	220	2,895	9,622	452	-	-
Totals	626,664	1,024	664	4,556	5,629	93,194	446,024	52,881	16,092	8,600

(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 6. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1967

	Canada	Mari-times	Quebec	Ontario	Mani-toba	Saskat-chewan	Alberta	British Columbia	Yukon, Northwest Territories and Arctic Islands	Off Shore and Hudson Bay
\$'000										
Exploratory drilling	122,049	47	117	1,425	587	13,728	77,433	13,951	7,407	7,354
Development drilling	106,660	11	-	289	827	14,560	76,880	14,093	-	-
<u>Total drilling</u>										
Salaries and wages	11,895	1	3	160	64	898	8,960	1,363	336	110
Materials and supplies	38,990	2	19	157	381	4,847	25,716	4,839	922	2,107
Contractor and service payments	177,824	55	95	1,397	969	22,543	119,637	21,842	6,149	5,137
Totals	228,709	58	117	1,714	1,414	28,288	154,313	28,044	7,407	7,354
Oil field facilities	43,014	-	-	68	447	6,871	30,284	5,344	-	-
Gas field facilities	20,157	-	-	260	-	1,519	15,774	2,604	-	-
Secondary recovery facilities	16,722	-	-	125	94	3,864	10,244	2,395	-	-
Natural gas processing plants	104,277	-	-	236	-	1,117	88,044	14,880	-	-
Other buildings and machinery	21,439	-	-	19	34	1,674	18,557	740	189	226
Total capital formation	434,318	58	117	2,422	1,989	43,333	317,216	54,007	7,596	7,580
Land sites	1,319	-	-	6	5	183	813	312	-	-
Land acquisition(2)	113,213	-	-	-	91	9,403	88,733	14,298	688	-
Totals	548,850	58	117	2,428	2,085	52,919	406,762	68,617	8,284	7,580

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

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

TABLE 7. Supply and Disposition of Natural Gas, 1967

	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	N.W.T.	Canada
Mcf.									
<u>Supply</u>									
Cross new production	103,877	59,130	14,228,759	-	61,839,433	1,454,894,121	245,542,828	625,491	1,777,293,639
Less field flared and waste	-	-	-	-	11,811,407	54,622,016	12,252,628	584,902	79,270,953
Net new production	103,877	59,130	14,228,759	-	50,028,026	1,400,272,105	233,290,200	40,589	1,698,022,686
Reproduced	-	-	-	-	52,245	218,344,437	7,890,852	-	226,287,534
Less injected and stored	-	-	-	-	49,975,781	1,181,927,668	225,399,348	40,589	1,471,735,152
Net withdrawals	103,877	59,130	14,228,759	-	4,334,868	9,144,595	6,759,067	-	20,240,459
Field disposition and uses	1,929	-	-	-	821,300	8,485,721	820	-	9,307,841
Gathering system disposition and uses	-	-	-	-	-	-	-	-	-
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	2,290,954	150,256,306	6,646,766	-	159,194,026
Other disposition and uses	-	-	-	-	2,116,445	61,798,532	16,959,721	-	80,874,698
Other uses	-	-	-	-	1,487,974	899,179	-	-	2,387,153
Adjustment	-	-	-	-	63,646	- 14,999,388	- 2,505,706	-	- 17,441,448
Deliveries of marketable gas - By plants	-	-	-	-	-	-	-	-	-
By fields	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	101,948	59,130	14,228,759	-	38,860,594	966,342,723	197,538,680	40,589	1,217,172,423
Imports	-	-	70,356,754	-	-	106,099	-	-	70,462,853
Totals	101,948	59,130	84,585,513	-	38,860,594	966,448,822	197,538,680	40,589	1,287,635,276
Receipts from distributor storage	-	-	42,426,483	-	3,097,695	2,243,335	-	-	47,767,513
Other receipts	-	-	-	40,387	-	-	28,495	-	68,882
Transfers - In	-	36,958,590	268,837,507	400,841,183	442,721,914	-	284,433,109	-	...
Out	-	36,958,590	268,837,507	400,841,183	-	727,155,023	-	-	...
Net transfer	-	36,958,590	231,878,917	132,003,676	41,880,731	-	284,433,109	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	40,589	40,589
Total net utility supply	101,948	37,017,720	358,890,913	132,044,063	83,839,020	241,537,134	482,000,284	-	1,335,431,082
<u>Disposition</u>									
Sales:									
Residential	41,005	10,141,463	88,969,538	16,977,326	20,117,208	47,460,117	20,379,395	-	204,086,052
Industrial	-	20,266,363	139,367,128	12,620,114	37,254,530	107,092,913	42,729,977	-	359,331,025
Commercial	21,019	4,880,911	50,864,854	12,114,162	11,181,845	40,644,919	11,981,396	-	131,689,106
Total sales	62,024	35,288,737	279,201,520	41,711,602	68,553,583	195,197,949	75,090,768	-	695,106,183
Exports	-	612,722	3,993,845	83,718,265	-	30,771,471	394,135,080	-	513,231,383
Other deliveries	-	-	54,447	-	-	964,322	-	-	1,018,769
Delivered to distributor storage	-	-	45,787,974	-	3,767,313	3,108,655	-	-	52,663,942
Pipeline pack fluctuation	-	14,848	- 33,506	- 51,325	- 151,887	3,432	- 143,914	-	- 362,352
Pipeline fuel	663	162,248	23,627,632	5,131,465	10,659,979	5,125,723	10,741,602	-	55,449,312
Pipeline losses etc.	39,261	939,165	6,259,001	1,534,056	1,010,032	6,365,582	2,176,748	-	18,323,845
Total disposition	101,948	37,017,720	358,890,913	132,044,063	83,839,020	241,537,134	482,000,284	-	1,335,431,082

TABLE 8. Supply and Disposition of Crude Oil and Equivalent, by Source, 1957

	New Brunswick	Ontario	Manitoba	Saskat-chewan	Alberta(1)	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	8,837	1,240,159	5,585,141	92,534,900	241,907,444	19,656,799	798,861	361,732,141	...	361,732,141
Less returned to formation	-	-	-	-	11,183,812	-	120,924	11,304,736	...	11,304,736
Condensate	-	-	-	-	819,817	40,570	-	860,387	...	860,387
Pentanes plus	-	-	-	295,981	28,568,987	1,016,045	-	29,881,013	...	29,881,013
Net withdrawals	8,837	1,240,159	5,585,141	92,830,881	260,112,436	20,713,414	677,937	381,168,805	...	381,168,805
Imports .....	...	...	...	...	...	...	...	...	162,094,987	162,094,987
Total supply	8,837	1,240,159	5,585,141	92,830,881	260,112,436	20,713,414	677,937	381,168,805	162,094,987	543,263,792
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	4,928	-	-	-	-	-	-	4,928	40,148,484	40,153,412
Quebec	-	-	-	-	-	-	-	-	121,488,670	121,488,670
Ontario	-	1,240,361	2,807,409	53,892,062	55,196,940	-	-	113,136,772	422,127	113,558,899
Manitoba	-	-	172,538	8,100,245	6,307,709	-	-	14,580,492	-	14,580,492
Saskatchewan	-	-	-	3,965,165	19,022,910	-	-	22,988,075	-	22,988,075
Alberta	-	-	-	872,618	34,826,257	-	-	35,698,875	-	35,698,875
British Columbia	-	-	-	-	19,586,982	17,702,361	-	37,289,343	-	37,289,343
Northwest Territories	-	-	-	-	-	-	694,914	694,914	-	694,914
Totals	4,928	1,240,361	2,979,947	66,830,090	134,940,798	17,702,361	694,914	224,393,399	162,059,281	386,452,680
<u>Exports to U.S.A.</u>										
U.S.A. Petroleum Administration:										
District - I	-	-	-	1,701,936	18,211,353	-	-	19,913,289	-	19,913,289
II and III	-	-	2,553,549	23,940,154	29,978,844	-	-	56,472,547	-	56,472,547
IV	-	-	-	-	6,800,893	-	-	6,800,893	-	6,800,893
V	-	-	-	-	65,419,730	2,749,199	-	68,168,929	-	68,168,929
Totals	-	-	2,553,549	25,642,090	120,410,820	2,749,199	-	151,355,658	-	151,355,658
Deliveries to other purchasers	-	-	-	44,552	153,311	10,551	-	208,414	-	208,414
<u>Inventories</u>										
Opening - Field and plant	11,808	-	70,025	397,930	1,153,933	84,545	81,036	1,799,277	-	1,799,277
Transporters'	-	-	16,678	4,822,325	17,388,903	1,111,809	-	23,339,715	360,314	23,700,029
Closing - Field and plant	15,717	-	76,236	436,067	1,702,610	22,888	70,304	2,323,822	-	2,323,822
Transporters'	-	-	46,481	5,049,851	20,619,430	1,492,251	-	27,208,013	359,835	27,567,848
Net change	3,909	-	36,014	265,663	3,779,204	318,785	- 10,732	4,392,843	- 479	4,392,364
Pipeline fuel	-	-	-	1,068	376,728	-	-	377,796	-	377,796
Field and plant use	-	-	-	38,609	138,573	-	-	177,182	-	177,182
Losses and adjustments	-	- 202	15,631	8,809	313,002	- 67,482	- 6,245	263,513	36,185	299,698
Total disposition	8,837	1,240,159	5,585,141	92,830,881	260,112,436	20,713,414	677,937	381,168,805	162,094,987	543,263,792

(1) Includes synthetic crude oil.

TABLE 9. Employees, Salaries and Wages for the Crude Petroleum and Natural Gas Industry (S.I.C. 364), 1961-67

Note: Basis: 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			
	Male	Female	Male	Female	Male	Female						
number												
\$'000												
<u>1961</u>												
Total	3,450	14	5,937	1,783	9,387	1,797	18,338	52,841	71,179			
<u>1962</u>												
Total	3,463	27	5,965	1,777	9,428	1,804	19,542	55,783	75,325			
<u>1963</u>												
Total	3,344	34	6,044	1,815	9,388	1,849	19,280	56,732	76,012			
<u>1964</u>												
Total	3,274	28	6,168	1,772	9,442	1,800	18,884	58,422	77,306			
<u>1965</u>												
Total	3,242	20	6,510	2,065	9,752	2,065	19,689	64,998	84,687			
<u>1966</u>												
New Brunswick	5	-	-	-	5	-	19	-	19			
Quebec	-	-	4	3	4	3	-	41	41			
Ontario	158	1	94	20	252	21	894	951	1,845			
Manitoba	47	-	16	2	63	2	311	128	439			
Saskatchewan	560	1	377	105	937	106	3,430	4,286	7,716			
Alberta	2,336	23	6,138	1,996	8,474	2,019	15,469	66,719	82,188			
British Columbia	227	-	191	36	418	36	1,672	1,755	3,427			
Yukon, Northwest Territories and Arctic Islands	8	-	14	2	22	2	50	158	208			
Off Shore and Hudson Bay	9	-	5	-	14	-	69	45	114			
Total	3,350	25	6,839	2,164	10,189	2,189	21,914	74,083	95,997			
<u>1967</u>												
New Brunswick	6	-	-	-	6	-	23	-	23			
Quebec	-	-	4	2	4	2	-	35	35			
Ontario	161	2	78	20	239	22	996	906	1,902			
Manitoba	43	-	21	2	64	2	287	152	439			
Saskatchewan	537	-	337	92	874	92	3,680	3,875	7,555			
Alberta	2,542	16	6,721	1,995	9,263	2,011	18,977	78,411	97,388			
British Columbia	232	-	247	27	479	27	1,879	2,371	4,250			
Yukon, Northwest Territories and Arctic Islands	11	-	1	-	12	-	101	13	114			
Off Shore and Hudson Bay	1	-	14	1	15	1	6	143	143			
Total	3,533	18	7,423	2,139	10,956	2,157	25,949	85,906	111,853			

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - 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	23						
Total employment, salaries and wages	6	-	6	23						
	Male		Female							
<u>Month-end production employment statistics</u>										
January 31	5									
February 28	6									
March 31	7									
April 30	6									
May 31	6									
June 30	6									
July 31	6									
August 31	6									
September 30	6									
October 31	6									
November 30	6									
December 31	6									
	Jan. 1 - Mar. 31		Apr. 1 - June 30		July 1 - Sept. 30		Oct. 1 - Dec. 31		Jan. 1 - Dec. 31	
<u>Man-hour statistics - Quarterly and annual</u>					'000 hours					
At work	3		3		3		3		12	
Not worked	--		--		--		--		--	
Totals	3		3		3		3		12	

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - 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	10	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	-	-	-		
Petroleum engineers	-	-	-		
Other engineers	-	-	-		
Other professional personnel	-	-	-		
Sub-totals	-	-	-	-	
Specialists and technicians	-	-	-		
Clerical and secretarial	2	2	4		
Other administrative personnel	1	-	1		
Totals	3	2	5	25	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	-	-	-		
Total employment, salaries and wages	4	2	6	35	
	Male	Female			
<u>Month-end production employment statistics</u>	number				
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	Jan. 1 - Dec. 31
<u>Man-hour statistics - Quarterly and annual</u>	'000 hours				
At work	-	-	-	-	-
Not worked	-	-	-	-	-
Totals	-	-	-	-	-

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>ONTARIO</u>					
<u>Management</u>					
Working owners and partners	5	1	6		
Management	10	1	11		
Totals	15	2	17	231	
<u>Professional, technical and administrative</u>					
Geophysicists	1	-	1		
Geologists	4	-	4		
Petroleum engineers	5	-	5		
Other engineers	3	-	3		
Other professional personnel	3	-	3		
Sub-totals	16	-	16	231	
Specialists and technicians	23	-	23		
Clerical and secretarial	6	18	24		
Other administrative personnel	18	-	18		
Totals	63	18	81	675	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	161	2	163	996	
Total employment, salaries and wages	239	22	261	1,902	
	Male	Female			
number					
<u>Month-end production employment statistics</u>					
January 31	153			2	
February 28	154			2	
March 31	160			2	
April 30	165			2	
May 31	165			2	
June 30	165			2	
July 31	161			2	
August 31	165			2	
September 30	162			3	
October 31	159			3	
November 30	159			3	
December 31	158			3	
	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	80	83	80	79	322
Not worked	4	4	9	6	23
Totals	84	87	89	85	345

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - Continued

	Number of employees			Salaries and wages						
	Male	Female	Total							
				\$'000						
<u>MANITOBA</u>										
<u>Management</u>										
Working owners and partners	-	-	-							
Management	3	-	3							
Totals	3	-	3	16						
<u>Professional, technical and administrative</u>										
Geophysicists	-	-	-							
Geologists	-	-	-							
Petroleum engineers	2	-	2							
Other engineers	-	-	-							
Other professional personnel	2	-	2							
Sub-totals	4	-	4	33						
Specialists and technicians	4	-	4							
Clerical and secretarial	4	2	6							
Other administrative personnel	6	-	6							
Totals	18	2	20	136						
<u>Production, field, plant and related operations</u>										
Field, plant and related employees	43	-	43	287						
Total employment, salaries and wages	64	2	66	439						
	Male		Female							
<u>Month-end production employment statistics</u>	number									
January 31	41			-						
February 28	42			-						
March 31	42			-						
April 30	43			-						
May 31	44			-						
June 30	44			-						
July 31	45			-						
August 31	45			-						
September 30	44			-						
October 31	42			-						
November 30	40			-						
December 31	40			-						
	Jan. 1 - Mar. 31		Apr. 1 - June 30		July 1 - Sept. 30		Oct. 1 - Dec. 31		Jan. 1 - Dec. 31	
<u>Man-hour statistics - Quarterly and annual</u>	'000 hours									
At work	21	22	19	21	83					
Not worked	1	1	5	2	9					
Totals	22	23	24	23	92					

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>SASKATCHEWAN</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	39	1	40		
Totals	39	1	40	590	
<u>Professional, technical and administrative</u>					
Geophysicists	7	-	7		
Geologists	28	-	28		
Petroleum engineers	62	-	62		
Other engineers	10	-	10		
Other professional personnel	21	-	21		
Sub-totals	128	-	128	1,326	
Specialists and technicians	49	-	49		
Clerical and secretarial	62	91	153		
Other administrative personnel	59	-	59		
Totals	298	91	389	3,285	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	537	-	537	3,680	
Total employment, salaries and wages	874	92	966	7,555	
	Male		Female		
<u>Month-end production employment statistics</u>					
January 31	541			-	
February 28	524			-	
March 31	513			-	
April 30	540			-	
May 31	572			-	
June 30	574			-	
July 31	583			-	
August 31	564			-	
September 30	521			-	
October 31	517			-	
November 30	501			-	
December 31	499			-	
	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	281	285	278	269	1,113
Not worked	9	14	32	17	72
Totals	290	299	310	286	1,130

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>ALBERTA</u>					
<u>Management</u>					
Working owners and partners	14	-	14		
Management	652	6	658		
Totals	666	6	672	13,393	
<u>Professional, technical and administrative</u>					
Geophysicists	378	6	384		
Geologists	869	6	875		
Petroleum engineers	677	-	677		
Other engineers	237	-	237		
Other professional personnel	811	10	821		
Sub-totals	2,972	22	2,994	33,426	
Specialists and technicians	1,462	119	1,581		
Clerical and secretarial	1,131	1,816	2,947		
Other administrative personnel	490	32	522		
Totals	6,055	1,989	8,044	65,018	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	2,542	16	2,558	18,977	
Total employment, salaries and wages	9,263	2,011	11,274	97,388	
	Male		Female		
<u>Month-end production employment statistics</u>	number				
January 31	2,441			16	
February 28	2,462			16	
March 31	2,456			14	
April 30	2,456			14	
May 31	2,545			15	
June 30	2,619			15	
July 31	2,637			17	
August 31	2,650			16	
September 30	2,581			15	
October 31	2,551			16	
November 30	2,546			16	
December 31	2,563			16	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
<u>Man-hour statistics - Quarterly and annual</u>	'000 hours				
At work	1,242	1,266	1,226	1,272	5,006
Not worked	38	57	154	77	326
Totals	1,280	1,323	1,380	1,349	5,332

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - Continued

	Number of employees			Salaries and wages \$'000							
	Male	Female	Total								
<u>BRITISH COLUMBIA</u>											
<u>Management</u>											
Working owners and partners	-	-	-	16							
Management	16	-	16								
Totals	16	-	16	226							
<u>Professional, technical and administrative</u>											
Geophysicists	20	-	20								
Geologists	35	-	35								
Petroleum engineers	19	-	19								
Other engineers	9	-	9								
Other professional personnel	6	-	6								
Sub-totals	89	-	89	869							
Specialists and technicians	51	-	51								
Clerical and secretarial	28	26	54								
Other administrative personnel	63	1	64								
Totals	231	27	258	2,145							
<u>Production, field, plant and related operations</u>											
Field, plant and related employees	232	-	232	1,879							
Total employment, salaries and wages	479	27	506	4,250							
Male		Female									
number											
<u>Month-end production employment statistics</u>											
January 31	213			-							
February 28	231			-							
March 31	236			-							
April 30	215			-							
May 31	225			-							
June 30	229			-							
July 31	250			-							
August 31	250			-							
September 30	234			-							
October 31	237			-							
November 30	232			-							
December 31	245			-							
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	113	115	105	119					452		
Not worked	3	6	15	8					32		
Totals	116	121	120	127					484		

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>YUKON, NORTHWEST TERRITORIES AND ARCTIC ISLANDS</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	-	-	-		
Totals	-	-	-	-	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	-	-	-		
Petroleum engineers	1	-	1		
Other engineers	-	-	-		
Other professional personnel	-	-	-		
Sub-totals	1	-	1	13	
Specialists and technicians	-	-	-		
Clerical and secretarial	-	-	-		
Other administrative personnel	-	-	-		
Totals	1	-	1	13	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	11	-	11	101	
Total employment, salaries and wages	12	-	12	114	
	Male		Female		
<u>Month-end production employment statistics</u>					
January 31	9			-	
February 28	17			-	
March 31	19			-	
April 30	7			-	
May 31	7			-	
June 30	7			-	
July 31	7			-	
August 31	7			-	
September 30	7			-	
October 31	9			-	
November 30	9			-	
December 31	22			-	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
<u>Man-hour statistics - Quarterly and annual</u>					
At work	8	3	3	4	18
Not worked	-	--	--	2	2
Totals	8	3	3	6	20
	'000 hours				



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TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1967 - Concluded

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>OFF SHORE AND HUDSON BAY</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	1	-	1		
Totals	1	-	1	17	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	-	-	-		
Petroleum engineers	8	-	8		
Other engineers	1	-	1		
Other professional personal	-	-	-		
Sub-totals	9	-	9	100	
Specialists and technicians	2	-	2		
Clerical and secretarial	1	1	2		
Other administrative personnel	1	-	1		
Totals	13	1	14	126	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	1	-	1	6	
Total employment, salaries and wages	15	1	16	149	
	Male	Female			
number					
<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	3				
October 31	3				
November 30	3				
December 31	-				
	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	1	2
Not worked	-	-	-	-	-
Totals	-	-	1	1	2