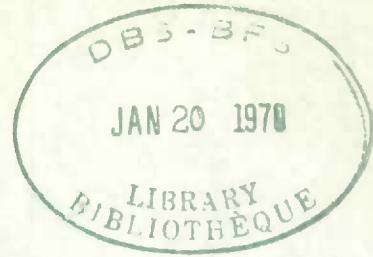


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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1966

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TABLE OF CONTENTS

	Page
Introduction	5
Table	
1. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province, 1961-66	8
2. Marketable Production and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1962-66	9
3. Value of Shipments of Hydrocarbon Products for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966	9
4. Net Production Withdrawals and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966	9
5. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966	10
6. Capital Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966	11
7. Supply and Disposition of Natural Gas, 1966	12
8. Supply and Disposition of Crude Oil and Equivalent, by Source, 1966	13
9. Employees, Salaries and Wages for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-66	14
10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966	15

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

1966

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). It excludes the Oil Shale and Bituminous Sand Pits industry (S.I.C. 066), for which there was no production in 1966. 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 geo-physical 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, postage expenditures, insurance, service costs at producing wells, consulting services, etc., are included.

Employees, 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" 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. The differences between shipments and marketable production are inventory changes which may occur because a company may produce and accumulate or draw down inventories together with certain small field and other adjustments.

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 1966 the value of marketable production of the Crude Petroleum and Natural Gas Industry amounted to \$1,092,535,000 an increase of 11.7% over 1965. Crude oil and field condensate amounted to \$788,682,000, an increase of 9.8%; natural gas \$164,642,000, an increase of 11.7%; natural gas processing plant products (that is pentanes plus, propane, butane and sulphur) \$139,211,000, up 23.9%, over 1965 values.

For reasons of confidentiality of individual company data it is not possible to provide the value of marketable production by commodity by province. Table 1, however, 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 1966, Alberta maintained its dominance in terms of the value of shipments of hydrocarbon products, with \$754,991,000 compared to the national figure of \$1,055,302,000.

The total number of employees in the industry in Canada increased from 11,817 in 1965 to 12,378, but the relative percentage employed in each occupational group remained much the same. In 1966 management accounted for 4.9% of the total work force; professional and technical categories 21.7%; specialists, clerical and administrative 46.1%; field, plant and related workers 27.3%. Alberta had 84.8% of the total employees, due in part to a large number of companies maintaining head offices in Alberta.

Operating expenditures rose from \$477,857,000 in 1965 to \$544,570,000 in 1966, while capital expenditures dropped from \$522,896,000 to \$503,280,000 during the same period. Field and well expenditures accounted for 25% of total operating expenditures, royalties 24.1%, geological and geophysical 17.6%, and natural gas plants 7.5%.

Total value added for the industry was \$1,055,395,000 in 1966, an increase of 11.2% over 1965.

TABLE 1. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province, 1961-66

Basis: Revised Standard Industrial Classification and New Establishment Concept

Year and province	Establishments	Producing activity							Total activity				Value added	
		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		\$'000		\$'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	903,573	867,871	-	-	11,242	77,306	880,828	
<u>1965</u>														
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Brunswick	2	6	16	27	-	9	105	96	-	-	6	47	98	
Quebec	3	-	-	-	-	-	-	-	-	-	8	58	(18)	
Ontario	107	226	480	1,209	120	385	9,855	9,350	-	-	353	2,069	9,748	
Manitoba	60	63	128	296	266	183	11,530	11,081	-	-	91	485	11,158	
Saskatchewan	139	503	1,076	3,019	4,754	3,951	207,627	198,922	-	-	990	6,522	200,144	
Alberta	233	2,283	4,941	13,937	8,940	18,308	701,510	674,262	-	-	9,930	72,273	685,709	
British Columbia	75	147	314	961	-	793	46,875	46,082	-	-	375	2,766	46,529	
Yukon, Northwest Territories and Arctic Islands, Off Shore and Hudson Bay	56	34	95	240	-	95	633	538	-	-	64	487	(959)	
Total	675	3,262	7,050	19,689	14,080	23,724	978,135	940,331	-	-	11,817	84,687	952,409	
<u>1966</u>														
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Brunswick	3	5	10	19	-	3	97	94	-	-	5	19	78	
Quebec	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	-	-	1,043	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	57,758	
Yukon, Northwest Territories and Arctic Islands	44	8	15	50	-	124	882	758	-	-	24	208	35	
Off Shore and Hudson Bay	16	9	23	69	-	-	-	-	-	-	14	115	(35)	
Total	648	3,375	7,026	21,914	12,952	29,159	1,092,535	1,050,424	-	-	12,378	95,997	1,059,335	

TABLE 2. Marketable Production and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1962-66

Products	1962		1963		1964		1965		1966	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Crude oil	bbl.	243,238,299	\$'000	257,120,148	\$'000	274,478,567	\$'000	291,511,591	\$'000	\$'000
Condensate and pentanes plus	bbl.	17,593,152	54,239	21,740,013	54,400	25,264,469	64,127	27,867,535	71,084	29,351,280
Natural gas	Mcf.	775,886,909	39,698	846,898,532	98,096	944,280,103	116,721	1,028,866,006	134,551(1)	1,106,641,641
Propane	bbl.	3,543,113	5,231	4,083,974	5,765	5,761,359	7,269	9,897,945	147,388(1)	12,355,015
Butane	bbl.	2,357,553	3,134	2,973,529	4,040	5,295,774	7,235	6,376,637	8,379	7,976,268
Sulphur	long ton	1,029,421	15,439	1,270,493	14,957	1,460,423	16,426	1,572,691	21,853	1,706,019
Total value			707,837		818,457		903,573		978,135	
(1) Includes value of helium.										1,092,535

TABLE 3. Value of Shipments of Hydrocarbon Products for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

Products	Canada		New Brunswick		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia		Northwest Territories		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Crude oil	bbl.	319,682,671	\$'000	787,032	6,853	10	1,323,781	4,230	5,240,319	13,081	93,226,950	211,817	202,525,736	520,798	16,637,973	36,267	
Condensate and pentanes plus	bbl.	29,322,349	75,758	-	-	-	-	-	-	248,067	563	28,055,121	72,974	1,019,161	2,221	-	-
Natural gas	Mcf.	1,106,641,641	164,258	95,048	88	15,537,395	5,940	-	-	39,210,962	5,027	891,304,971	135,843	160,447,027	17,340	46,238	20
Propane	bbl.	12,321,463	17,398	-	-	-	-	-	-	741,087	1,242	11,273,827	15,709	306,549	447	-	-
Butane	bbl.	8,079,872	10,856	-	-	-	-	-	-	342,924	559	7,368,890	9,667	368,058	630	-	-
Total value			1,055,302		98		10,170		13,081		219,208		754,991		56,905		849

TABLE 4. Net Production Withdrawals and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

Products	Canada		New Brunswick		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia		Northwest Territories		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Crude oil, condensate and pentanes plus	bbl.	349,140,276	\$'000	863,099	6,853	10	1,323,781	4,230	5,230,712	13,057	93,469,175	212,367	230,699,611	594,077	17,660,490	38,496	
Natural gas	Mcf.	1,341,831,241	178,184	97,403	90	15,537,395	5,940	-	-	49,867,762	6,122	1,090,691,124	146,609	185,591,319	19,403	46,238	20
Total value			1,041,283		100		10,170		13,057		218,489		740,686		57,899		882

TABLE 5. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

	Canada	Maritime	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon, Northwest Territories and Arctic Islands	Offshore and Hudson Bay
\$'000										
<u>Geological and geophysical operations</u>										
Salaries and wages	32,625	-	37	302	157	2,002	25,971	3,132	724	300
Materials and supplies	6,503	25	39	17	41	466	4,363	280	748	524
Contractor and service payments	56,600	164	318	146	219	3,908	37,832	3,594	6,157	4,262
Totals	95,728	189	394	465	417	6,376	68,166	7,006	7,629	5,086
<u>Field and well operations</u>										
Salaries and wages	30,480	4	-	1,114	736	8,729	18,432	1,449	16	-
Materials and supplies	19,049	3	-	271	192	4,996	12,559	904	124	-
Contractor and service payments	86,064	15	-	1,128	1,578	28,131	50,577	4,499	136	-
Totals	135,593	22	-	2,513	2,506	41,856	81,568	6,852	276	-
<u>Natural gas processing plants</u>										
Salaries and wages	12,052	-	-	52	-	438	10,762	800	-	-
Materials and supplies	10,110	-	-	12	-	393	9,297	408	-	-
Contractor and service payments	18,499	-	-	20	-	692	16,142	1,645	-	-
Totals	40,661	-	-	84	-	1,523	36,201	2,853	-	-
<u>Other including land and lease acquisition and retention</u>										
Salaries and wages	6,770	5	-	66	59	616	4,322	1,213	290	199
Materials and supplies	537	-	-	3	7	26	359	118	24	-
Contractor and service payments	25,019	6	-	86	155	2,602	21,952	101	148	(31)
Retention(1)	96,499	31	52	784	1,613	10,660	70,104	10,209	2,907	139
Royalties	131,352	5	-	537	1,702	29,419	91,709	7,770	210	-
Taxes (excluding income tax)	12,411	2	-	253	259	3,009	8,572	315	1	-
Totals	272,588	49	52	1,729	3,795	46,332	197,018	19,726	3,580	307
<u>Grand totals</u>										
Salaries and wages	81,927	9	37	1,534	952	11,785	59,487	6,594	1,030	499
Materials and supplies	36,199	28	39	303	240	5,881	26,578	1,710	896	524
Contractor and service payments	173,230	185	318	1,259	1,670	30,184	119,103	9,839	6,441	4,231
Electricity	12,952	-	-	121	282	5,149	7,400	-	-	-
Retention(1)	96,499	31	52	784	1,613	10,660	70,104	10,209	2,907	139
Royalties	131,352	5	-	537	1,702	29,419	91,709	7,770	210	-
Taxes (excluding income tax)	12,411	2	-	253	259	3,009	8,572	315	1	-
Totals	544,570	260	446	4,791	6,718	96,087	382,953	36,437	11,485	5,393

(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 by the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1966

	Canada	Maritimes	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon, Northwest Territories and Arctic Islands	Off Shore and Hudson Bay
\$'000										
<u>Exploratory drilling</u>										
Dry	79,850	-	14	1,085	477	7,823	47,092	12,484	5,930	4,945
Productive - Oil	21,438	-	-	49	-	1,755	16,848	1,187	1,599	-
Gas/condensate	15,751	-	-	97	-	160	12,101	3,329	64	-
Totals	117,039	-	14	1,231	477	9,738	76,041	17,000	7,593	4,945
<u>Development drilling</u>										
Dry	19,241	-	-	326	92	3,939	13,293	1,591	-	-
Productive - Oil	82,165	167	-	251	435	19,275	57,061	4,976	-	-
Gas/condensate	22,283	-	-	785	-	657	18,020	2,821	-	-
Totals	123,689	167	-	1,362	527	23,871	88,374	9,388	-	-
<u>Drilling</u>										
Salaries and wages	13,419	9	1	290	75	1,365	10,613	968	98	-
Materials and supplies	42,397	42	1	396	213	6,539	28,968	4,171	885	1,182
Contractor and service payments	184,912	116	12	1,907	716	25,705	124,834	21,249	6,610	3,763
Totals	260,728	167	14	2,593	1,004	33,609	164,415	26,388	7,593	4,945
<u>Oil field facilities</u>										
Oil field facilities	39,858	-	-	172	275	11,737	24,418	3,256	-	-
Gas field facilities	14,330	-	-	258	-	1,198	11,076	1,678	120	-
Secondary recovery facilities	17,460	-	-	9	407	5,523	10,020	1,501	-	-
Natural gas processing plants	48,205	-	-	64	-	1,396	44,294	2,451	-	-
Other buildings and machinery	12,954	4	-	96	285	2,756	9,064	565	7	177
Total capital formation	373,535	171	14	3,192	1,971	56,219	263,287	35,839	7,720	5,122
<u>Land sites</u>										
Land acquisition(2)	1,477	-	-	-	-	118	1,239	120	-	-
Totals	128,268	-	-	-	105	7,124	99,901	15,839	5,299	-
Totals	503,280	171	14	3,192	2,076	63,461	364,427	51,798	13,019	5,122

(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, 1966

	New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	N.W.T.	Canada
Mcf.									
<u>Supply</u>									
Gross new production	97,403	-	15,537,395	-	65,882,249	1,352,726,765	199,305,520	704,453	1,634,253,785
Less field flared and waste	-	-	-	-	16,003,889	52,559,659	11,150,767	658,215	80,372,530
Net new production	97,403	-	15,537,395	-	49,878,360	1,300,167,106	188,154,753	46,238	1,553,881,255
Reproduced	-	-	-	-	-	-	-	-	-
Less injected and stored	-	-	-	-	10,598	209,475,982	2,563,434	-	212,050,014
Net withdrawals	97,403	-	15,537,395	-	49,867,762	1,090,691,124	185,591,319	46,238	1,341,831,241
Field disposition and uses	2,355	-	-	-	3,103,502	9,583,798	3,618,020	-	16,307,675
Gathering system disposition and uses	-	-	-	-	909,028	5,760,010	1,722	-	6,670,760
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	2,110,186	128,750,125	6,053,423	-	136,913,734
Other disposition and uses	-	-	-	-	2,328,160	57,141,030	15,635,500	-	75,104,690
Other uses	-	-	-	-	2,289,656	871,811	-	-	3,161,467
Adjustment	-	-	-	-	- 83,732	- 2,720,621	- 164,373	-	2,968,726
Deliveries of marketable gas - By plants ...	-	-	-	-	-	-	-	-	-
By fields	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	95,048	-	15,537,395	-	39,210,962	891,304,971	160,447,027	46,238	1,106,641,641
Imports	-	-	44,499,869	-	-	107,036	-	-	44,606,905
Totals	95,048	-	60,037,264	-	39,210,962	891,412,007	160,447,027	46,238	1,151,248,546
Receipts from distributor storage	-	-	30,960,844	-	2,921,081	1,603,311	-	-	35,485,236
Other receipts	-	-	-	18,902	-	-	3,495	-	22,397
Transfers - In	-	34,468,746	267,047,985	388,903,989	423,715,818	18,229	241,404,808	-	...
Out	-	-	34,468,746	267,047,985	388,922,218	665,120,626	-	-	...
Net transfer	-	34,468,746	232,579,239	121,856,004	34,793,600	- 665,102,397	241,404,808	-	46,238
Miscellaneous deliveries	-	-	-	-	-	-	-	46,238	46,238
Total net utility supply	95,048	34,468,746	323,577,347	121,874,906	76,925,643	227,912,921	401,855,330	-	1,186,709,941
<u>Disposition</u>									
Sales:									
Residential	48,305	9,980,923	81,186,741	15,694,100	19,817,001	48,782,947	19,750,839	-	195,260,856
Industrial	-	19,452,646	116,143,446	10,789,452	34,535,469	97,477,052	46,133,625	-	324,531,690
Commercial	13,732	3,087,253	42,754,684	11,133,661	10,656,203	38,588,264	9,488,279	-	115,722,076
Total sales	62,037	32,520,822	240,084,871	37,617,213	65,008,673	184,848,263	75,372,743	-	635,514,622
Exports	-	270,303	3,370,869	77,147,668	-	31,120,965	319,908,386	-	431,818,191
Other deliveries	-	-	14,532	-	-	2,766,806	-	-	2,781,338
Delivered to distributor storage	-	-	49,274,960	-	2,189,028	1,086,362	-	-	52,550,350
Pipeline line pack fluctuation	-	- 1,424	99,187	60,911	268,859	4,967	- 66,271	-	366,229
Pipeline fuel	760	87,387	24,402,295	5,838,531	10,911,878	3,038,361	6,074,460	-	50,353,672
Pipeline losses etc.	32,251	1,591,658	6,330,633	1,210,583	- 1,452,795	5,047,197	566,012	-	13,325,539
Total disposition	95,048	34,468,746	323,577,347	121,874,906	76,925,643	227,912,921	401,855,330	-	1,186,709,941

TABLE 8. Supply and Disposition of Crude Oil and Equivalents, by Source, 1966

	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	6,853	1,323,781	5,230,712	93,218,119	211,573,305 8,968,606	16,641,136	749,654	328,743,560 8,968,606	-	328,743,560 8,968,606
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	734,734	39,571	-	774,305	-	774,305
Pentanes plus	-	-	-	251,056	27,360,178	979,783	-	28,591,017	-	28,591,017
Net withdrawals	6,853	1,323,781	5,230,712	93,469,175	230,699,611	17,660,490	749,654	349,140,276	-	349,140,276
Imports .....	...	...	...	...	...	...	...	...	158,544,090	158,544,090
Total supply	6,853	1,323,781	5,230,712	93,469,175	230,699,611	17,660,490	749,654	349,140,276	158,544,090	507,684,366
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	6,853	-	-	-	-	-	-	6,853	40,184,255	40,191,108
Quebec	-	-	-	-	-	-	-	-	117,833,058	117,833,058
Ontario	-	1,323,721	3,502,723	56,006,117	52,839,502	-	-	113,672,063	529,510	114,201,573
Manitoba	-	-	156,368	8,176,385	6,271,050	-	-	14,603,803	-	14,603,803
Saskatchewan	-	-	-	3,907,737	18,744,468	-	-	22,652,205	-	22,652,205
Alberta	-	-	-	773,936	33,303,350	-	-	34,077,286	-	34,077,286
British Columbia	-	-	-	-	19,915,161	14,558,535	-	34,473,696	-	34,473,696
Northwest Territories	-	-	-	-	-	-	710,717	710,717	-	710,717
Totals	6,853	1,323,721	3,659,091	68,864,175	131,073,531	14,558,535	710,717	220,196,623	158,546,823	378,743,446
<u>Exports to U.S.A.</u>										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	55,415,296	3,622,235	-	59,037,531	-	59,037,531
East of Rocky Mountains	-	-	-	-	5,073,058	-	-	5,073,058	-	5,073,058
Great Lakes Area	-	-	1,577,629	25,153,853	35,957,362	-	-	62,688,844	-	62,688,844
Totals	-	-	1,577,629	25,153,853	96,445,716	3,622,235	-	126,799,433	-	126,799,433
Deliveries to other purchasers ..	-	-	-	218	316,170	23,426	-	339,814	-	339,814
<u>Inventories</u>										
Opening - 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
Closing - Field and plant	-	-	70,025	400,978	1,153,933	84,545	81,036	1,790,517	-	1,790,517
Transporters'	-	-	16,678	4,792,163	17,419,065	1,111,809	-	23,339,715	360,314	23,700,029
Net change	-	-	- 6,785	- 275,204	1,218,580	- 436,660	28,595	528,526	- 28,542	499,984
Pipeline fuel	-	-	- 1,379	-	374,571	-	-	373,192	-	373,192
Field and plant use	-	-	-	25,324	195,593	-	-	220,917	-	220,917
Losses and adjustments	-	60	2,156	- 299,191	1,075,450	- 107,046	10,342	681,771	25,809	707,580
Total disposition	6,853	1,323,781	5,230,712	93,469,175	230,699,611	17,660,490	749,654	349,140,276	158,544,090	507,684,366

... Figures not appropriate or not applicable.

TABLE 9. Employees, Salaries and Wages for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-66

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>											
New Brunswick	6	-	-	-	6	-	27	-	28		
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		
British Columbia	147	-	194	34	341	34	961	1,805	2,766		
Yukon, Northwest Territories, Arctic Islands, Off Shore and Hudson Bay	34	-	29	1	63	1	240	247	487		
Total	3,242	20	6,510	2,045	9,752	2,065	19,689	64,998	84,687		
<u>1966</u>											
New Brunswick	5	-	-	-	5	-	19	-	19		
Quebec	-	-	4	3	4	3	-	40	40		
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	46	115		
Total	3,350	25	6,839	2,164	10,189	2,189	21,914	74,083	95,987		

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>CANADA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	605	6	611		
Totals	605	6	611	11,349	
<u>Professional, technical and administrative</u>					
Geophysicists	351	2	353		
Geologists	896	4	900		
Petroleum engineers	791	-	791		
Other engineers	144	-	144		
Other professional personnel	492	5	497		
Sub-totals	2,674	11	2,685	25,540	
Specialists and technicians	1,235	86	1,321		
Clerical and secretarial	1,564	2,045	3,609		
Other administrative personnel	761	16	777		
Totals	6,234	2,158	8,392	62,734	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	3,350	25	3,375	21,914	
Total employment, salaries and wages	10,189	2,189	12,378	95,997	
	Male	Female			
<u>Month-end production employment statistics</u>		number			
January 31	3,284		25		
February 28	3,293		23		
March 31	3,257		23		
April 30	3,280		23		
May 31	3,372		25		
June 30	3,443		25		
July 31	3,462		25		
August 31	3,441		25		
September 30	3,338		25		
October 31	3,313		24		
November 30	3,345		26		
December 31	3,364		25		
	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	1,604	1,609	1,574	1,646	6,433
Not worked	72	110	257	154	593
Totals	1,676	1,719	1,831	1,800	7,026

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000					
	Male	Female	Total						
<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	5	-	5	19					
Total employment, salaries and wages	5	-	5	19					
Male		Female							
<u>Month-end production employment statistics</u>									
January 31	5			-					
February 28	5			-					
March 31	5			-					
April 30	5			-					
May 31	5			-					
June 30	5			-					
July 31	5			-					
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	2	3	3	2	10				
Not worked	--	--	--	--	--				
Totals	2	3	3	2	10				

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>QUEBEC</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	1	-	1		
Sub-totals	1	-	1	6	
Specialists and technicians	-	-	-		
Clerical and secretarial	2	3	5		
Other administrative personnel	1	-	1		
Totals	4	3	7	40	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	-	-	-	-	
Total employment, salaries and wages	4	3	7	40	
	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	-	-	-		
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
'000 hours					
<u>Man-hour statistics - Quarterly and annual</u>					
At work	-	-	-	-	-
No. worked	-	-	-	-	-
Totals	-	-	-	-	-

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continues

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>ONTARIO</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	16	-	16		
Totals	16	-	16	213	
<u>Professional, technical and administrative</u>					
Geophysicists	1	-	1		
Geologists	8	-	8		
Petroleum engineers	6	-	6		
Other engineers	3	-	3		
Other professional personnel	3	-	3		
Sub-totals	21	-	21	226	
Specialists and technicians	24	-	24		
Clerical and secretarial	5	20	25		
Other administrative personnel	28	-	28		
Totals	78	20	98	738	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	158	1	159	694	
Total employment, salaries and wages	252	21	273	1,845	
	Male	Female			
<u>Month-end production employment statistics</u>					
January 31	155			1	
February 28	154			1	
March 31	152			1	
April 30	161			1	
May 31	163			1	
June 30	165			1	
July 31	165			1	
August 31	162			1	
September 30	157			1	
October 31	156			1	
November 30	156			1	
December 31	155			1	
	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	73	78	76	77	304
Not worked	6	6	8	6	35
Totals	79	84	84	83	339

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>MANITOBA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	1	-	1		
Totals	1	-	1	19	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	-	-	-		
Petroleum engineers	3	-	3		
Other engineers	-	-	-		
Other professional personnel	2	-	2		
Sub-totals	5	-	5	40	
Specialists and technicians	4	-	4		
Clerical and secretarial	5	2	7		
Other administrative personnel	1	-	1		
Totals	15	2	17	109	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	47	-	47	311	
Total employment, salaries and wages	63	2	65	439	
	Male	Female			
number					
<u>Month-end production employment statistics</u>					
January 31	48		-		
February 28	48		-		
March 31	46		-		
April 30	48		-		
May 31	47		-		
June 30	47		-		
July 31	46		-		
August 31	46		-		
September 30	47		-		
October 31	47		-		
November 30	45		-		
December 31	45		-		
	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	23	23	20	23	89
Not worked	1	1	3	2	7
Totals	24	24	23	25	96

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
SASKATCHEWAN					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	53	2	55		
Totals	53	2	55	804	
<u>Professional, technical and administrative</u>					
Geophysicists	8	-	8		
Geologists	43	-	43		
Petroleum engineers	63	-	63		
Other engineers	11	-	11		
Other professional personnel	11	-	11		
Sub-totals	136	-	136	1,525	
Specialists and technicians	40	1	41		
Clerical and secretarial	86	101	187		
Other administrative personnel	62	1	63		
Totals	324	103	427	3,482	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	560	1	561	3,430	
Total employment, salaries and wages	937	106	1,043	7,716	
	Male		Female		
<u>Month-end production employment statistics</u>	number				
January 31	504			1	
February 28	514			1	
March 31	519			1	
April 30	537			1	
May 31	569			1	
June 30	587			1	
July 31	606			1	
August 31	593			1	
September 30	573			1	
October 31	569			1	
November 30	583			1	
December 31	567			1	
	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	248	260	283	278	1,069
Not worked	11	15	40	29	95
Totals	259	275	323	307	1,164

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>ALBERTA</u>					
<u>Management</u>					
Working owners and partners					
Management	527	4	531		
Totals	527	4	531	10,201	
<u>Professional, technical and administrative</u>					
Geophysicists	322	2	324		
Geologists	821	4	825		
Petroleum engineers	692	-	692		
Other engineers	126	-	126		
Other professional personnel	475	5	480		
Sub-totals	2,436	11	2,447	22,937	
Specialists and technicians	1,147	85	1,232		
Clerical and secretarial	1,407	1,882	3,289		
Other administrative personnel	621	14	635		
Totals	5,611	1,992	7,603	56,518	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	2,336	23	2,359	15,469	
Total employment, salaries and wages	8,474	2,019	10,493	82,188	
	Male		Female		
<u>Month-end production employment statistics</u>					
January 31	2,337			23	
February 28	2,332			21	
March 31	2,301			21	
April 30	2,308			21	
May 31	2,352			23	
June 30	2,383			23	
July 31	2,376			23	
August 31	2,373			23	
September 30	2,310			23	
October 31	2,296			22	
November 30	2,320			24	
December 31	2,347			23	
	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	1,135	1,122	1,082	1,145	4,484
Net worked	50	80	190	106	426
Totals	1,185	1,202	1,272	1,251	4,910

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
BRITISH COLUMBIA					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	7	-	7		
Totals	7	-	7	89	
<u>Professional, technical and administrative</u>					
Geophysicists	19	-	19		
Geologists	21	-	21		
Petroleum engineers	17	-	17		
Other engineers	4	-	4		
Other professional personnel	-	-	-		
Sub-totals	61	-	61	651	
Specialists and technicians	17	-	17		
Clerical and secretarial	59	35	94		
Other administrative personnel	47	1	48		
Totals	184	36	220	1,466	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	227	-	227	1,571	
Total employment, salaries and wages	418	36	454	3,427	
	Male	Female			
<u>Month-end production employment statistics</u>	number				
January 31	213				
February 28	217				
March 31	211				
April 30	205				
May 31	223				
June 30	239				
July 31	247				
August 31	248				
September 30	232				
October 31	226				
November 30	227				
December 31	233				
	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	111	111	101	116	439
Not worked	4	8	16	11	39
Totals	115	119	117	127	578

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages	
	Male	Female	Total		
				\$'000	
<u>YUKON, NORTHWEST TERRITORIES</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	1	-	1		
Totals	1	-	1	23	
<u>Professional, technical and administrative</u>					
Geophysicists	1	-	1		
Geologists	1	-	1		
Petroleum engineers	7	-	7		
Other engineers	-	-	-		
Other professional personnel	-	-	-		
Sub-totals	9	-	9	109	
Specialists and technicians	3	-	3		
Clerical and secretarial	-	2	2		
Other administrative personnel	1	-	1		
Totals	13	2	15	135	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	8	-	8	50	
Total employment, salaries and wages	22	2	24	208	
	Male		Female		
<u>Month-end production employment statistics</u>	number				
January 31	6			-	
February 28	7			-	
March 31	7			-	
April 30	7			-	
May 31	7			-	
June 30	7			-	
July 31	7			-	
August 31	8			-	
September 30	8			-	
October 31	9			-	
November 30	9			-	
December 31	9			-	
	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	3	4	4	4	15
Not worked	-	--	-	-	--
Totals	3	4	4	4	15



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TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Concluded

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>OFF SHORE AND HUDSON BAY</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	-	-	-		
Totals	-	-	-		
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	2	-	2		
Petroleum engineers	3	-	3		
Other engineers	-	-	-		
Other professional personal	-	-	-		
Sub-totals	5	-	5	46	
Specialists and technicians	-	-	-		
Clerical and secretarial	-	-	-		
Other administrative personnel	-	-	-		
Totals	5	-	5	46	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	9	-	9	69	
Total employment, salaries and wages	14	-	14	115	
	Male	Female			
	number				
<u>Month-end production employment statistics</u>					
January 31	16				
February 28	16				
March 31	16				
April 30	9				
May 31	11				
June 30	10				
July 31	10				
August 31	6				
September 30	6				
October 31	5				
November 30	-				
December 31	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	9	8	5	1	23
Not worked	--	--	-	-	--
Totals	9	8	5	1	23