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1. Preliminary Estimates of Expenditures of the Oil and Gas -
Exploration, Development and Production Industry -
 1966

Expenditures by the oil and gas industry during 1966 for exploration, development and production purposes slightly exceeded the one billion dollar mark. Western Canada accounted for 98.0% of the industry expenditures with Alberta accounting for 70.5% of the total followed by Saskatchewan (15.3%) and British Columbia (8.8%).

Geological, geophysical and offshore drilling increased 43.2% to \$102,230 from \$71,388, offsetting land acquisition, rentals and retention which decreased 12.5% to \$226,150 from \$255,438.

1965 was the first year "Net Cash Expenditure" statistics from this industry have been collected by the Dominion Bureau of Statistics although comparable statistics for Western Canada were previously collected and published by the Canadian Petroleum Association.

The 1966 survey conducted by the Dominion Bureau of Statistics encompassed some 375 companies active in the exploration, development and production of oil and gas within Canada and in the offshore waters of the Atlantic and Pacific Oceans and in the Hudson's Bay.

The co-operation and advice of the Canadian Petroleum Association and the provincial governments were received in the conduct of the survey.

Net Cash Expenditures of the Petroleum Industry - 1966

	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon & N.W.T.	Total Western Canada	Ontario	Quebec Atlantic Provinces off-shore areas	Total Canada 1966
in thousands of dollars									
1. Exploration:									
(a) Geological, geophysical and offshore drilling	130	7,000	69,000	6,000	9,000	91,130	500	10,600(1)	102,230
(b) Land acquisition, rentals and retention	1,300	20,000	170,000	26,100	7,800	225,200	850	100	226,150
(c) Exploratory drilling:									
Dry	400	7,000	50,000	12,000	6,500	75,900	1,100	100	77,102
Productive - Oil	100	2,700	18,000	1,300	-	22,100	50	-	22,150
Gas/condensate ...	-	200	12,000	3,800	3,700	19,700	100	-	19,800
2. Development drilling:									
Dry	100	4,000	15,000	1,600	-	20,700	350	-	21,050
Productive - Oil	500	19,000	58,000	4,500	-	82,000	250	170	82,420
Gas/condensate	-	500	17,000	3,000	-	20,500	650	-	21,150
3. Capital expenditures:									
(a) Field equipment - Oil	400	14,500	27,000	3,300	-	45,200	200	-	45,400
Gas/condensate	-	1,000	12,000	1,700	300	15,000	250	-	15,250
(b) Secondary recovery and pressure maintenance	400	5,000	9,600	9,500	-	24,500	10	-	24,510
(c) Other	100	5,100	11,600	700	-	17,500	100	200	17,800
4. Operations of natural gas plants:									
(a) Capital	-	1,400	42,000	1,200	-	44,600	70	-	44,670
(b) Operating	-	1,700	34,300	2,800	-	38,800	150	-	38,950
5. Operation of wells - Including flow line and related facilities	2,000	38,400	78,000	6,500	300	125,200	4,100	30	129,330
6. General:									
(a) Taxes (excluding income tax)	200	2,800	8,000	300	-	11,300	400	-	11,700
(b) Royalties	1,600	27,500	89,000	7,800	200	126,100	900	-	127,000
(c) All other expenses not allocated above	100	3,000	23,000	1,100	250	27,450	100	190	27,740
Totals	7,330	160,800	743,500	93,200	28,050	1,032,880	10,130	11,390	1,054,400

(1) Includes \$600,000 for Quebec and Maritimes.

x Revised estimates.

Net Cash Expenditures of the Petroleum Industry - 1965

	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon & N.W.T.	Total Western Canada	Ontario	Quebec Atlantic Provinces off-shore areas	Total Canada 1965
in thousands of dollars									
1. Exploration:									
(a) Geological, geophysical and offshore drilling	126	6,382	42,091	4,877	8,078	61,554	387	9,447	71,388
(b) Land acquisition, rentals and retention	1,030	27,355	197,656	26,500	1,458	253,999	1,397	42	255,438
(c) Exploratory drilling:									
Dry	470	6,453	46,325	5,808	11,033	70,089	1,155	369	71,613
Productive - Oil	109	3,626	16,942	2,318	2,031	25,026	178	-	25,204
Gas/condensate ...	-	68	6,737	1,796	66	8,667	209	-	8,876
2. Development drilling:									
Dry	73	4,229	14,151	1,809	-	20,262	530	-	20,792
Productive - Oil	496	20,354	70,238	6,547	-	97,635	346	-	97,981
Gas/condensate	26	1,063	14,475	2,481	-	18,045	1,349	16	19,410
3. Capital expenditures:									
(a) Field equipment - Oil	407	17,733	31,410	4,525	-	54,075	253	-	54,328
Gas/condensate	-	1,011	9,483	563	11	11,068	622	-	11,690
(b) Secondary recovery and pressure maintenance	155	4,486	9,322	1,253	-	15,216	34	-	15,250
(c) Other	24	644	6,826	698	164	8,356	397	-	8,753
4. Operations of natural gas plants:									
(a) Capital	-	1,915	32,050	1,439	-	35,404	716	-	36,120
(b) Operating	-	1,048	32,547	1,817	-	35,412	223	-	35,635
5. Operation of wells - Including flow line and related facilities	2,339	31,062	67,398	4,513	212	105,524	3,111	68	108,703
6. General:									
(a) Taxes (excluding income tax)	239	2,456	8,267	267	2	11,231	307	2	11,540
(b) Royalties	1,614	25,686	78,503 78,503	5,500	179	112,282	666	6	112,954
(c) All other expenses not allocated above	92	3,107	28,480	2,819	8	34,506	161	111	34,778
Totals	7,200	158,678	713,701 713,551	75,530	23,242	968,351	12,041	10,061	1,000,453

Net Cash Expenditures of the Petroleum Industry - Western Canada 1961-66

	1961(1)	1962(1)	1963(1)	1964(1)	1965 ^F	1966 ^P
1. Exploration:						
(a) Geological and geophysical expenditures ...	52,300	48,000	46,600	50,800	61,554	91,130
(b) Exploratory drilling:						
Dry	39,300	53,500	57,800	57,800	70,089	75,900
Productive - Oil	14,700	8,500	11,900	17,000	25,026	22,100
Gas/condensate	19,100	9,700	9,800	14,700	8,667	19,700
(c) Land acquisition and rentals	113,500	112,800	121,900	173,200	253,999	225,200
(d) Overhead (not included above)	20,200	22,500	22,400	21,000	(2)	(2)
2. Development drilling:						
Dry	12,500	14,200	12,300	15,200	20,262	20,700
Productive - Oil	84,300	72,700	82,000	85,400	97,635	82,000
Gas/condensate	32,600	21,600	17,100	13,400	18,045	20,500
Overhead (not included above)	8,200	7,900	7,800	10,400	(2)	(2)
3. Capital expenditures:						
(a) Field equipment - Oil	27,600	24,125	26,100	35,400	54,075	45,200
Gas/condensate	6,600	5,025	10,700	12,100	11,068	15,000
(b) Secondary recovery and pressure maintenance project	7,100	11,150	18,800	15,500	15,216	24,500
(c) Other	10,000	16,300	20,500	17,600	8,356	17,500
4. Operations of natural gas plants:						
(a) Capital	61,600	20,700	36,700	42,700	35,404	44,600
(b) Operating	18,700 ^F	26,100 ^F	27,800 ^F	32,400 ^F	35,412	38,800
5. Operation of wells - Including flow line and related facilities	75,000	84,600	101,500	99,600	105,524	125,200
6. General:						
(a) Taxes (excluding income tax)	8,500	6,800	7,300	9,300	11,231	11,300
(b) Royalties	73,200	90,700	101,800	111,100	112,282	126,100
(c) All other expenses not allocated above	20,200	23,200	27,100	25,900	34,506	27,450
Total expenditures - Western Canada	705,200	680,900	767,900	860,500	968,351	1,032,880

(1) Source: Canadian Petroleum Association.

2. Preliminary Electric Energy Statistics - March 1966

Net generation of electric energy in Canada increased 7.1% to 14,566,429 thousand Kwh. in March 1967 from 13,596,765 thousand Kwh. in March 1966. Due to lower streamflow conditions throughout most of eastern Canada and parts of western Canada, hydro electric generation rose by only 1.0% while thermal generation was up 35.5%. For the same reason, secondary energy used in Canada was down 37.6%.

Imports from the U.S.A. increased to 317,384 thousand Kwh. from 215,900 thousand Kwh. and exports increased to 363,120 thousand Kwh. from 304,959 thousand Kwh. in March 1966.

Total generation for the twelve month period ending March 31, 1967 amounted to 160,804,554 thousand Kwh. compared with 159,834,752 thousand Kwh. for the period ending in February.

Preliminary Electric Energy Statistics

(thousand Kwh)

	March		
	1965	1966	1967
Net generation - Hydro	10,000,484	11,171,186 ^r	11,279,036
Thermal	2,402,703 ^r	2,425,579 ^r	3,287,393
Total net generation	12,403,187 ^r	13,596,765	14,566,429
Energy imported from U.S.A.	297,298	215,900	317,384
Energy exported to U.S.A.:			
Firm	69,456	56,674	47,864
Secondary	223,391	248,285	315,256
Total exported to U.S.A.	292,847	304,959	363,120
Net energy used in Canada	12,407,638 ^r	13,507,706	14,520,693
Secondary energy used in Canada	329,818 ^r	361,999	225,410
Firm energy used in Canada	12,077,820 ^r	13,145,707	14,295,283

^r Revised figures.

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