

Catalogue no. 26-213-X

# Oil and Gas Extraction

2006



Statistics  
Canada

Statistique  
Canada

Canada

## How to obtain more information

For information about this product or the wide range of services and data available from Statistics Canada, visit our website at [www.statcan.gc.ca](http://www.statcan.gc.ca), e-mail us at [infostats@statcan.gc.ca](mailto:infostats@statcan.gc.ca), or telephone us, Monday to Friday from 8:30 a.m. to 4:30 p.m., at the following numbers:

### Statistics Canada's National Contact Centre

Toll-free telephone (Canada and the United States):

Inquiries line	1-800-263-1136
National telecommunications device for the hearing impaired	1-800-363-7629
Fax line	1-877-287-4369

Local or international calls:

Inquiries line	1-613-951-8116
Fax line	1-613-951-0581

### Depository Services Program

Inquiries line	1-800-635-7943
Fax line	1-800-565-7757

## To access this product

This product, Catalogue no. 26-213-X, is available free in electronic format. To obtain a single issue, visit our website at [www.statcan.gc.ca](http://www.statcan.gc.ca) and select "Publications" > "Free Internet publications."

## Standards of service to the public

Statistics Canada is committed to serving its clients in a prompt, reliable and courteous manner. To this end, Statistics Canada has developed *standards of service* that its employees observe. To obtain a copy of these service standards, please contact Statistics Canada toll-free at 1-800-263-1136. The service standards are also published on [www.statcan.gc.ca](http://www.statcan.gc.ca) under "About us" > "Providing services to Canadians."

# Oil and Gas Extraction

2006

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2008

All rights reserved. The content of this electronic publication may be reproduced, in whole or in part, and by any means, without further permission from Statistics Canada, subject to the following conditions: that it be done solely for the purposes of private study, research, criticism, review or newspaper summary, and/or for non-commercial purposes; and that Statistics Canada be fully acknowledged as follows: Source (or "Adapted from", if appropriate): Statistics Canada, year of publication, name of product, catalogue number, volume and issue numbers, reference period and page(s). Otherwise, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, by any means—electronic, mechanical or photocopy—or for any purposes without prior written permission of Licensing Services, Client Services Division, Statistics Canada, Ottawa, Ontario, Canada K1A 0T6.

December 2008

Catalogue no. 26-213-X

ISSN 1703-4930

Frequency: Annual

Ottawa

La version française de cette publication est disponible sur demande (n° 26-213-X au catalogue).

---

#### **Note of appreciation**

*Canada owes the success of its statistical system to a long standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.*

# User information

---

## Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0<sup>s</sup> value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

## Note to users

Due to resource limitations, capital and operating expenditures estimates shown in text table 1, table 1, and table 3 are compiled from the largest operators. These businesses are believed to account for 98% of the total economic activity of the industry.

## Acknowledgements

This publication was prepared under the direction of:

**Andy Kohut**, Director, Manufacturing & Energy Division

**Justin Lacroix**, Assistant Director, Manufacturing & Energy Division

**Gary Smalldridge**, Chief, Energy section

**Joanne Tuttle**, Analyst, Energy section

# Table of contents

---

<b>Highlights</b>	<b>5</b>
<b>Analysis</b>	<b>6</b>
<b>Related products</b>	<b>9</b>
<b>Statistical tables</b>	
1 Principal statistics, oil and gas extraction, conventional sector	11
2 Drilling completions	12
3 Net cash expenditures of the conventional petroleum industry	16
3-1 Net cash expenditures of the conventional petroleum industry, 2005	16
3-2 Net cash expenditures of the conventional petroleum industry, 2006	17
4 Marketable production and values	18
5 Commodity data, oil and gas extraction	19
5-1 Net production withdrawals	19
5-2 Marketable production	20
5-3 Shipments	21
6 Conventional crude oil and equivalent and marketable natural gas remaining established reserves in Canada, 2006	22
7 Supply and disposition of crude oil and equivalent by source, Canada	24
7-1 2005	24
7-2 2006	26
8 Supply and disposition of natural gas, by source, Canada	28
8-1 2005	28
8-2 2006	30
9 Total sales of natural gas, by province	32
10 Reconciliation table – Saskatchewan value of crude oil production, 2006	32

## Table of contents – continued

### Data quality, concepts and methodology

Data quality and methodology	33
Concepts	34
Definitions	35

### Text tables

1. Non-conventional oil sector expenditures	7
2. Developed non-conventional oil reserves, 2006	8
3. Value added, non-conventional oil sector, 2006	8
4. Royalty allocation	8

## Highlights

---

- The value of marketable production from crude oil, natural gas and natural gas liquids increased marginally to \$109.1 billion for 2006.
- After rising 8.4% in 2005, total well completions in 2006 declined moderately 4.2% to 25,811.
- Capital expenditures in the conventional sector rose by 10.8% in 2006 to \$38.6 billion.
- In Canada's oil sands region, the continuing development of non-conventional resources, through in-situ, mining and upgraders, capital expenditures expanded considerably by 37.4% to \$14.3 billion from the \$10.4 billion in 2005.

# Analysis

---

## Volumes — Tables 7 and 8

During 2006, the marketable production of crude oil and equivalent in Canada increased to 154.1 million cubic metres from 146.2 million cubic metres in 2005.

Production of crude bitumen rose to 36.9 million cubic metres in 2006, an increase of 4.6% over the 35.3 million cubic metres produced in 2005. The production of marketable natural gas rose slightly by 0.6% to 171.7 billion cubic metres in 2006 from 170.7 billion cubic metres in 2005.

Exports of Canadian natural gas to the U.S. decreased 3.9% to 102.1 billion cubic metres in 2006, from 106.3 billion cubic metres in 2005.

Exports of crude oil and equivalent to the U.S. increased by 12.8%, to 102.5 million cubic metres in 2006, from 90.9 million cubic metres in 2005.

Demand by Canadian refineries for domestically produced crude oil and equivalent increased slightly in 2006 to 54.0 million cubic metres from 53.6 million cubic metres in 2005. Crude oil imports decreased in 2006 by 8.4% to 49.3 million cubic metres from 53.8 million cubic metres in 2005.

Domestic sales of natural gas (including direct sales) fell by 0.9% in 2006, declining to 69.4 billion cubic metres from 70 billion cubic metres in 2005. Natural gas imports rose by 1.4% in 2006, to 9.7 billion cubic meters from 9.5 billion cubic meters in 2005.

## Values — Tables 4 and 5

In 2006, the total value of marketable production of hydrocarbons (including synthetic crude oil, natural gas, natural gas liquids, and elemental sulphur) rose by 0.6% to \$109.1 billion from \$108.4 billion in 2005.

The value of crude oil and condensate (including pentanes plus) increased by 18.7% to \$58.4 billion in 2006 compared to \$49.2 billion in 2005. The value of natural gas processing plant products (propane, butane and ethane) increased slightly by 0.2% in 2006, to \$8.0 billion from \$7.9 billion in 2005, and elemental sulphur (from natural gas) declined to \$129.3 million in 2006 from \$228.0 million in 2005, a decrease of 43.3%.

The Province of Alberta continued to dominate the overall value of marketable production in 2006, accounting for 73.8%, or \$80.5 billion of the total \$109.1 billion.

## Expenditures — Conventional sector —Table 3

Operating expenditures (classified here as expenditures relating to field and well operations, natural gas processing and re-processing plant operations, taxes (excluding income taxes), other operating expenditures and royalties) decreased by 4.2% in 2006, to \$26.6 billion from \$27.8 billion in 2005. In 2006, royalty payments accounted for 48.8%, field and well operations 41.1%, natural gas processing plants 8.1%, and taxes 1.9%.

The capital expenditures (classified as expenditures relating to geological and geophysical operations, exploration drilling, land acquisition and rentals, development drilling, production facilities, enhanced recovery and pressure maintenance, natural gas plant and other) increased in 2006 to \$38.6 billion from \$34.8 billion in 2005. Exploration expenditures increased by 9.7% and development spending rose by 11.2%, for an overall increase of 10.8% in capital spending in 2006 compared to 2005.



The above expenditures exclude the non-conventional regions of Alberta and Saskatchewan containing the heavy oils and oilsands. These locations require very high inputs of capital necessary extract the oil. See Text Table 1 for expenditure details relating to this sector.

## Drilling — Table 2

The total number of well completions (oil, gas, dry and others) decreased in 2006, falling by 4.2% to 25,811 wells from 26,951 completions in 2005. Exploratory drilling declined by 3.8% during 2006 to 5,693 completions from 5,915 wells in 2005, and development drilling decreased by 7.6% in 2006 to 16,442 wells from 17,799 completions in 2005. During 2006, the number of successful oil wells completed rose to 6,134 compared to 5,482 completions the previous year, an 11.9% increase. Successful gas well completions declined by 12.3% in 2006 to 13,965 wells compared to 15,931 gas wells completed in 2005.

## Reserves — Table 6 and text table 2

Remaining established reserves of conventional crude oil and equivalent (excluding oilsands and bitumen) decreased by year-end 2006 to 856,913,000 cubic metres from 898,646,000 cubic metres in 2005, down 4.6%. The reserves replacement, or gross additions, amounted to 52.5% of the volume of crude and equivalent produced during 2006. At this current rate of production, Canada's reserves of conventional crude oil and equivalent have an estimated economic life (reserves life index) of 9.8 years, down from 10.1 years in 2005.

Synthetic Crude oil and developed bitumen reserves are currently estimated to be 2,157,538,000 cubic metres, an increase of 57.9% over 2005. The reserves replacement (gross additions versus production) amounted to 1306.7%, and its reserve life index stands at 32.9 years, up from 23.9 years in 2005.

Marketable natural gas established reserves increased slightly in 2006 to 1,640 billion cubic metres from 1,633 billion cubic metres in the previous year. The volume of gross additions, by development drilling, replacing the production amounted to 104.1%. Based upon the amount of remaining established reserves and at the current level of production, the economic life of these reserves remains at 9.3 years.

### Text table 1 Non-conventional oil sector expenditures

	In-situ	Mining	Upgraders	Total non-conventional expenditures 2006	Cumulative 1947 to 2006
millions of dollars					
<b>Capital expenditures</b> Including land acquisition and retention costs, exploratory and delineation drilling, research and development, fixed installations, machinery and equipment, housing and pollution control equipment	7,568.7	5,992.3	776.0	14,337.0	72,489.9
<b>Operating costs</b> Including taxes, royalties, administration expense, other operating expenses	2,776.9	6,727.5	734.1	10,238.5	70,537.3
<b>Total expenditures</b>	<b>10,345.6</b>	<b>12,719.8</b>	<b>1,510.1</b>	<b>24,575.5</b>	<b>143,027.2</b>

**Text table 2**  
**Developed non-conventional oil reserves, 2006**

	Mining – Integrated synthetic crude oil	In-situ bitumen
	thousands of cubic metres	
<b>Remaining reserves at 31<sup>st</sup> of December 2005</b>	<b>973,315</b>	<b>393,253</b>
Gross additions in 2006	474,721	381,799
Reserves at 31 <sup>st</sup> of December 2005 plus 2006 gross additions	1,448,036	775,052
Less 2006 net production <sup>1</sup>	38,389	27,161
<b>Remaining reserves at 31<sup>st</sup> of December 2006</b>	<b>1,409,647</b>	<b>747,891</b>
Net change in reserves during 2006	436,332	354,638

1. Preliminary estimate.

Source(s): Canadian Association of Petroleum Producers.

**Text table 3**  
**Value added, non-conventional oil sector<sup>1</sup>, 2006**

	Value of marketable production	Cost of fuel, electricity, materials and supplies	Value added – Producing activity
	millions of dollars		
Canada	23,648.6	..	..

1. Represents synthetic crude and crude bitumen producers.

**Text table 4**  
**Royalty allocation**

	2006	2005	2004	2003	2002	2001
	millions of dollars					
Total royalties, Canada <sup>1</sup>	<b>12,974.5</b>	<b>15,822.3</b>	<b>11,824.9</b>	<b>10,503.0</b>	<b>7,968.0</b>	<b>12,106.3</b>
Federal crown royalties	48.1	19.9	24.1	30.0	21.8	42.9
Provincial crown royalties	11,078.3	13,590.1	10,152.7	9,008.2	6,642.9	9,628.3
Non-crown royalties and other	1,848.1	2,212.3	1,648.1	1,464.8	1,303.3	2,435.1

1. Net applicable incentive credits; excludes synthetic crude oil royalties.

## Related products

---

### Selected publications from Statistics Canada

---

45-004-X	The Supply and Disposition of Refined Petroleum Products in Canada
55-201-X	Pipeline Transportation of Crude Oil and Refined Petroleum Products
57-003-X	Report on Energy Supply-demand in Canada
57-205-X	Natural Gas Transportation and Distribution
57-601-X	Energy Statistics Handbook

---

### Selected CANSIM tables from Statistics Canada

---

153-0001	Value of established natural gas reserves, annual
153-0002	Value of established crude oil reserves, annual
153-0013	Established crude oil reserves, annual
153-0014	Established natural gas reserves, annual

---

### Selected surveys from Statistics Canada

---

2178	Oil and Gas Extraction
------	------------------------

---

# Statistical tables

---

---

**Table 1**  
**Principal statistics<sup>1</sup>, oil and gas extraction, conventional sector**

	Establishments	Producing activity			Value Added
		Cost of electricity	Cost of materials and supplies and fuel	Value of marketable production	
	number	thousands of dollars			
1995	728	545,102	1,596,515	20,817,680	18,676,063
1996	703	584,824	1,672,073	26,707,674	24,450,777
1997	711	..	..	27,183,922	..
1998	761	..	..	22,628,989	..
1999	756	..	..	30,632,888	..
2000	738	..	..	55,967,429	..
2001	709	..	..	56,272,820	..
2002	697	..	..	48,513,608	..
2003	670	..	..	65,336,356	..
2004	674	..	..	70,350,553	..
<b>2005</b>					
Newfoundland and Labrador	3	..	..	0	..
Prince Edward Island	2	..	..	0	..
Nova Scotia	3	..	..	0	..
New Brunswick	4	..	..	0	..
Quebec	6	..	..	0	..
Ontario	14	..	..	158,208	..
Manitoba	17	..	..	327,057	..
Saskatchewan	157	..	..	8,810,341	..
Alberta	324	..	..	62,994,012	..
British Columbia	104	..	..	9,137,487	..
Nunavut	0	..	..	0	..
Northwest Territories	23	..	..	580,531	..
Yukon	5	..	..	45,953	..
Arctic Islands	0	..	..	0	..
<b>Offshore</b>					
Newfoundland	12	..	..	7,021,189	..
Nova Scotia	13	..	..	1,737,093	..
West	0	..	..	0	..
<b>Total</b>	<b>687</b>	..	..	<b>90,811,871</b>	..
<b>2006</b>					
Newfoundland and Labrador	3	..	..	0	..
Prince Edward Island	3	..	..	0	..
Nova Scotia	4	..	..	0	..
New Brunswick	6	..	..	0	..
Quebec	8	..	..	0	..
Ontario	11	..	..	135,382	..
Manitoba	15	..	..	534,041	..
Saskatchewan	143	..	..	9,657,053	..
Alberta	312	..	..	56,875,843	..
British Columbia	111	..	..	8,206,428	..
Nunavut	0	..	..	0	..
Northwest Territories	21	..	..	563,160	..
Yukon	5	..	..	28,190	..
Arctic Islands	0	..	..	0	..
<b>Offshore</b>					
Newfoundland	13	..	..	8,029,616	..
Nova Scotia	13	..	..	1,394,652	..
West	0	..	..	0	..
<b>Total</b>	<b>668</b>	..	..	<b>85,424,365</b>	..
Percentage change					
2006/2005	-2.8	..	..	-5.9	..
2005/2004	1.9	..	..	29.1	..

1. Excludes establishments engaged in the non-conventional sector. See text table2

**Table 2**  
**Drilling completions**

	Oil				Gas			
	2005		2006		2005		2006	
	number	metres	number	metres	number	metres	number	metres
<b>Canada</b>								
Exploratory wells <sup>1</sup>	698	1,069,296	1,027	1,666,397	3,437	4,687,153	2,964	4,303,676
Development wells	3,512	4,952,407	3,887	5,414,768	12,494	12,860,143	11,001	11,217,404
Other <sup>2</sup>	1,272	1,582,005	1,220	1,429,921	0	0	0	0
<b>Total</b>	<b>5,482</b>	<b>7,603,708</b>	<b>6,134</b>	<b>8,511,086</b>	<b>15,931</b>	<b>17,547,296</b>	<b>13,965</b>	<b>15,521,080</b>
<b>Eastern Canada</b>								
Exploratory wells <sup>1</sup>	0	0	6	8,036	7	7,340	46	25,374
Development wells	8	24,142	16	32,975	29	26,006	69	48,915
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8</b>	<b>24,142</b>	<b>22</b>	<b>41,011</b>	<b>36</b>	<b>33,346</b>	<b>115</b>	<b>74,289</b>
<b>Offshore Newfoundland</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	4	18,698	4	21,696	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>18,698</b>	<b>4</b>	<b>21,696</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Offshore Nova Scotia</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	0	0	0	0	3	16,425	1	3,268
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>16,425</b>	<b>1</b>	<b>3,268</b>
<b>Newfoundland and Labrador</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Prince Edward Island</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Nova Scotia</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>New Brunswick</b>								
Exploratory wells <sup>1</sup>	0	0	2	3,166	2	5,054	0	0
Development wells	0	0	0	0	0	0	8	21,015
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3,166</b>	<b>2</b>	<b>5,054</b>	<b>8</b>	<b>21,015</b>
<b>Quebec</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	1	750
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>750</b>
<b>Ontario</b>								
Exploratory wells <sup>1</sup>	0	0	4	4,870	5	2,286	45	24,624
Development wells	4	5,444	12	11,279	26	9,581	60	24,632
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>5,444</b>	<b>16</b>	<b>16,149</b>	<b>31</b>	<b>11,867</b>	<b>105</b>	<b>49,256</b>
<b>Western Canada</b>								
Exploratory wells <sup>1</sup>	698	1,069,296	1,021	1,658,361	3,430	4,679,813	2,918	4,278,302
Development wells	3,504	4,928,265	3,871	5,381,793	12,465	12,834,137	10,932	11,168,489
Other <sup>2</sup>	1,272	1,582,005	1,220	1,429,921	0	0	0	0
<b>Total</b>	<b>5,474</b>	<b>7,579,566</b>	<b>6,112</b>	<b>8,470,075</b>	<b>15,895</b>	<b>17,513,950</b>	<b>13,850</b>	<b>15,446,791</b>

See footnotes at the end of the table.

Table 2 – continued

## Drilling completions

	Oil				Gas			
	2005	2005	2006	2006	2005	2005	2006	2006
	number	metres	number	metres	number	metres	number	metres
<b>Manitoba</b>								
Exploratory wells <sup>1</sup>	40	39,813	59	57,886	0	0	0	0
Development wells	209	221,121	377	409,102	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>249</b>	<b>260,934</b>	<b>436</b>	<b>466,988</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Saskatchewan</b>								
Exploratory wells <sup>1</sup>	269	332,597	385	478,712	456	322,999	314	201,738
Development wells	1,705	2,301,662	1,858	2,491,792	1,122	667,264	1,039	593,908
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,974</b>	<b>2,634,259</b>	<b>2,243</b>	<b>2,970,504</b>	<b>1,578</b>	<b>990,263</b>	<b>1,353</b>	<b>795,646</b>
<b>Alberta</b>								
Exploratory wells <sup>1</sup>	386	692,581	563	1,101,999	2,781	4,029,679	2,405	3,726,136
Development wells	1,563	2,367,273	1,583	2,411,524	10,487	10,511,817	9,198	9,210,370
Other <sup>2</sup>	1,272	1,582,005	1,220	1,429,921	0	0	0	0
<b>Total</b>	<b>3,221</b>	<b>4,641,859</b>	<b>3,366</b>	<b>4,943,444</b>	<b>13,268</b>	<b>14,541,496</b>	<b>11,603</b>	<b>12,936,506</b>
<b>British Columbia</b>								
Exploratory wells <sup>1</sup>	3	4,305	14	19,764	193	327,135	198	347,281
Development wells	27	38,209	53	69,375	856	1,655,056	694	1,362,746
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>30</b>	<b>42,514</b>	<b>67</b>	<b>89,139</b>	<b>1,049</b>	<b>1,982,191</b>	<b>892</b>	<b>1,710,027</b>
<b>Northwest Territories</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	1	3,147
Development wells	0	0	0	0	0	0	1	1,465
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4,612</b>

See footnotes at the end of the table.

**Table 2 – continued**  
**Drilling completions**

	Abandoned and suspended				Total			
	2005		2006		2005		2006	
	number	metres	number	metres	number	metres	number	metres
<b>Canada</b>								
Exploratory wells <sup>1</sup>	1,780	2,476,003	1,702	2,530,924	5,915	8,232,452	5,693	8,500,997
Development wells	1,793	2,203,110	1,554	2,002,746	17,799	20,015,660	16,442	18,634,918
Other <sup>2</sup>	164	116,174	8	7,913	3,237	2,453,355	3,676	2,203,611
<b>Total</b>	<b>3,737</b>	<b>4,795,287</b>	<b>3,264</b>	<b>4,541,583</b>	<b>26,951</b>	<b>30,701,467</b>	<b>25,811</b>	<b>29,339,526</b>
<b>Eastern Canada</b>								
Exploratory wells <sup>1</sup>	7	14,733	6	24,278	9	19,787	58	57,688
Development wells	1	3,450	6	15,292	8	38,573	91	97,182
Other <sup>2</sup>	0	0	0	0	6	29,508	28	28,536
<b>Total</b>	<b>8</b>	<b>18,183</b>	<b>12</b>	<b>39,570</b>	<b>23</b>	<b>87,868</b>	<b>177</b>	<b>183,406</b>
<b>Offshore Newfoundland</b>								
Exploratory wells <sup>1</sup>	1	3,201	3	17,290	1	3,201	3	17,290
Development wells	0	0	6	15,292	4	18,698	10	36,988
Other <sup>2</sup>	0	0	0	0	6	29,508	5	19,828
<b>Total</b>	<b>1</b>	<b>3,201</b>	<b>9</b>	<b>32,582</b>	<b>11</b>	<b>51,407</b>	<b>18</b>	<b>74,106</b>
<b>Offshore Nova Scotia</b>								
Exploratory wells <sup>1</sup>	1	3,700	1	4,440	1	3,700	1	4,440
Development wells	0	0	0	0	3	16,425	1	3,268
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>3,700</b>	<b>1</b>	<b>4,440</b>	<b>4</b>	<b>20,125</b>	<b>2</b>	<b>7,708</b>
<b>Newfoundland and Labrador</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Prince Edward Island</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Nova Scotia</b>								
Exploratory wells <sup>1</sup>	0	0	0	0	0	0	0	0
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>New Brunswick</b>								
Exploratory wells <sup>1</sup>	5	7,832	0	0	7	12,886	2	3,166
Development wells	1	3,450	0	0	1	3,450	8	21,015
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6</b>	<b>11,282</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>16,336</b>	<b>10</b>	<b>24,181</b>
<b>Quebec</b>								
Exploratory wells <sup>1</sup>	0	0	2	2,548	0	0	3	3,298
Development wells	0	0	0	0	0	0	0	0
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2,548</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3,298</b>
<b>Ontario</b>								
Exploratory wells <sup>1</sup>	6	2,862	0	0	11	5,148	49	29,494
Development wells	24	7,319	0	0	54	22,344	72	35,911
Other <sup>2</sup>	0	0	0	0	11	3,048	23	8,708
<b>Total</b>	<b>30</b>	<b>10,181</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>30,540</b>	<b>144</b>	<b>74,113</b>
<b>Western Canada</b>								
Exploratory wells <sup>1</sup>	1,767	2,458,408	1,696	2,506,646	5,895	8,207,517	5,635	8,443,309
Development wells	1,768	2,192,341	1,548	1,987,454	17,737	19,954,743	16,351	18,537,736
Other <sup>2</sup>	164	116,174	8	7,913	3,220	2,420,799	3,648	2,175,075
<b>Total</b>	<b>3,699</b>	<b>4,766,923</b>	<b>3,252</b>	<b>4,502,013</b>	<b>26,852</b>	<b>30,583,059</b>	<b>25,634</b>	<b>29,156,120</b>

See footnotes at the end of the table.



**Table 2 – continued**  
**Drilling completions**

	Abandoned and suspended				Total			
	2005	2005	2006	2006	2005	2005	2006	2006
	number	metres	number	metres	number	metres	number	metres
<b>Manitoba</b>								
Exploratory wells <sup>1</sup>	8	7,465	17	13,791	48	47,278	76	71,677
Development wells	3	2,845	34	43,574	212	223,966	411	452,676
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>10,310</b>	<b>51</b>	<b>57,365</b>	<b>260</b>	<b>271,244</b>	<b>487</b>	<b>524,353</b>
<b>Saskatchewan</b>								
Exploratory wells <sup>1</sup>	97	103,799	174	203,751	822	759,395	873	884,201
Development wells	44	38,892	184	249,916	2,871	3,007,818	3,081	3,335,616
Other <sup>2</sup>	0	0	0	0	88	105,866	75	79,588
<b>Total</b>	<b>141</b>	<b>142,691</b>	<b>358</b>	<b>453,667</b>	<b>3,781</b>	<b>3,873,079</b>	<b>4,029</b>	<b>4,299,405</b>
<b>Alberta</b>								
Exploratory wells <sup>1</sup>	1,605	2,261,171	1,390	2,104,828	4,772	6,983,431	4,358	6,932,963
Development wells	1,650	2,040,418	1,095	1,327,794	13,700	14,919,508	11,876	12,949,688
Other <sup>2</sup>	164	116,174	8	7,913	3,127	2,308,766	3,566	2,088,665
<b>Total</b>	<b>3,419</b>	<b>4,417,763</b>	<b>2,493</b>	<b>3,440,535</b>	<b>21,599</b>	<b>24,211,705</b>	<b>19,800</b>	<b>21,971,316</b>
<b>British Columbia</b>								
Exploratory wells <sup>1</sup>	49	73,938	113	178,764	245	405,378	325	545,809
Development wells	69	107,143	234	364,713	952	1,800,408	981	1,796,834
Other <sup>2</sup>	0	0	0	0	5	6,167	7	6,822
<b>Total</b>	<b>118</b>	<b>181,081</b>	<b>347</b>	<b>543,477</b>	<b>1,202</b>	<b>2,211,953</b>	<b>1,313</b>	<b>2,349,465</b>
<b>Northwest Territories</b>								
Exploratory wells <sup>1</sup>	8	12,035	2	5,512	8	12,035	3	8,659
Development wells	2	3,043	1	1,457	2	3,043	2	2,922
Other <sup>2</sup>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>15,078</b>	<b>3</b>	<b>6,969</b>	<b>10</b>	<b>15,078</b>	<b>5</b>	<b>11,581</b>

1. Includes new field wildcats, new pool wildcats, deeper pool tests, shallower pool tests and outposts.

2. Includes stratigraphic tests, project wells, bitumen wells, miscellaneous and service wells.

Source(s): Canadian Association of Petroleum Producers.

Table 3-1

## Net cash expenditures of the conventional petroleum industry — Net cash expenditures of the conventional petroleum industry, 2005

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta
thousands of dollars									
<b>Exploration</b>									
Geological and geophysical operations	400	1,635	1,750	615	2,541	1,776	7,714	47,943	782,098
Drilling	2,482	4	350	12,600	7,050	9,182	26,650	314,863	3,999,896
Land acquisitions and rentals <sup>1</sup>	6	0	0	0	276	1,066	6,269	148,927	1,964,200
<b>Total</b>	<b>2,888</b>	<b>1,639</b>	<b>2,100</b>	<b>13,215</b>	<b>9,867</b>	<b>12,024</b>	<b>40,633</b>	<b>511,733</b>	<b>6,746,194</b>
<b>Development</b>									
Drilling	0	0	0	3,539	0	13,209	105,586	1,234,470	11,512,749
Production facilities <sup>2</sup>	0	0	0	17,090	0	10,061	20,412	537,150	5,545,242
Enhanced recovery and pressure maintenance	0	0	0	0	0	86	0	38,831	156,474
Natural gas plants	0	0	0	0	0	0	0	28,925	691,872
Non-production facilities	0	0	0	0	0	1,464	874	4,901	263,909
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,629</b>	<b>0</b>	<b>24,820</b>	<b>126,872</b>	<b>1,844,277</b>	<b>18,170,246</b>
<b>Operating</b>									
Field and well operations	0	0	0	446	100	14,300	30,097	1,534,378	6,444,410
Natural gas processing plants	0	0	0	200	0	27,603	0	65,114	1,474,422
Taxes (excluding income tax)	0	0	0	0	0	542	2,911	60,623	349,946
Other operating expenses	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>646</b>	<b>100</b>	<b>42,445</b>	<b>33,008</b>	<b>1,660,115</b>	<b>8,268,778</b>
Royalties <sup>3</sup>	0	0	0	760	0	19,327	41,901	1,473,473	11,796,348
<b>Total expenditures</b>	<b>2,888</b>	<b>1,639</b>	<b>2,100</b>	<b>35,250</b>	<b>9,967</b>	<b>98,616</b>	<b>242,414</b>	<b>5,489,598</b>	<b>44,981,566</b>
	British Columbia	Nunavut	Northwest Territories	Yukon	Arctic Islands	Offshore			Canada
						New- foundland	Hudson Bay	Nova Scotia	
thousands of dollars									
<b>Exploration</b>									
Geological and geophysical operations	236,889	0	33,029	997	0	90,269	0	822	1,208,478
Drilling	542,103	0	184,718	7,781	0	59,112	0	36,663	5,203,454
Land acquisitions and rentals <sup>1</sup>	599,300	0	26,280	0	0	15,491	0	44,379	2,806,194
<b>Total</b>	<b>1,378,292</b>	<b>0</b>	<b>244,027</b>	<b>8,778</b>	<b>0</b>	<b>164,872</b>	<b>0</b>	<b>81,864</b>	<b>9,218,126</b>
<b>Development</b>									
Drilling	2,443,555	0	38,781	16,627	0	613,455	0	165,506	16,147,477
Production facilities <sup>2</sup>	961,326	0	163,997	6,573	0	561,085	0	205,148	8,028,084
Enhanced recovery and pressure maintenance	3,204	0	0	0	0	35,000	0	0	233,595
Natural gas plants	136,571	0	563	0	0	0	0	25,037	882,968
Non-production facilities	10,467	0	23,100	0	0	0	0	0	304,715
<b>Total</b>	<b>3,555,123</b>	<b>0</b>	<b>226,441</b>	<b>23,200</b>	<b>0</b>	<b>1,209,540</b>	<b>0</b>	<b>395,691</b>	<b>25,596,839</b>
<b>Operating</b>									
Field and well operations	956,338	0	57,183	3,912	0	424,941	0	117,733	9,583,838
Natural gas processing plants	264,527	0	5,585	2,049	0	0	0	37,997	1,877,497
Taxes (excluding income tax)	45,835	0	2,028	100	0	220	0	5,354	467,559
Other operating expenses	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,266,700</b>	<b>0</b>	<b>64,796</b>	<b>6,061</b>	<b>0</b>	<b>425,161</b>	<b>0</b>	<b>161,084</b>	<b>11,928,894</b>
Royalties <sup>3</sup>	1,966,677	0	16,053	4,100	0	409,460	0	94,200	15,822,299
<b>Total expenditures</b>	<b>8,166,792</b>	<b>0</b>	<b>551,317</b>	<b>42,139</b>	<b>0</b>	<b>2,209,033</b>	<b>0</b>	<b>732,839</b>	<b>62,566,158</b>

1. Includes bonuses, legal fees, filing fees, producing and non-producing acreage retention costs, bonuses paid for acquisition of freeholders' mineral rights, relevant land department salaries and overhead.

2. Includes tangible well and lease equipment and pipelines and related facilities.

3. Net of applicable incentive credits; excludes synthetic crude oil royalties.

Table 3-2

## Net cash expenditures of the conventional petroleum industry — Net cash expenditures of the conventional petroleum industry, 2006

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta
thousands of dollars									
<b>Exploration</b>									
Geological and geophysical operations	130	1,817	93	7,985	4,261	1,750	5,237	66,414	821,809
Drilling	1,225	3	10,658	5,085	11,062	35,527	51,146	386,677	4,123,817
Land acquisitions and rentals <sup>1</sup>	263	0	996	511	283	1,323	2,612	187,662	1,765,959
<b>Total</b>	<b>1,618</b>	<b>1,820</b>	<b>11,747</b>	<b>13,581</b>	<b>15,606</b>	<b>38,600</b>	<b>58,995</b>	<b>640,753</b>	<b>6,711,585</b>
<b>Development</b>									
Drilling	0	0	0	28,684	0	25,909	186,231	1,434,978	12,703,021
Production facilities <sup>2</sup>	0	0	250	44,474	0	9,065	31,460	670,928	6,301,507
Enhanced recovery and pressure maintenance	0	0	0	0	0	0	0	58,372	191,001
Natural gas plants	0	0	0	284	0	0	0	36,799	830,291
Non-production facilities	0	0	0	0	7,935	1,116	5,466	9,324	426,478
<b>Total</b>	<b>0</b>	<b>0</b>	<b>250</b>	<b>73,442</b>	<b>7,935</b>	<b>36,090</b>	<b>223,157</b>	<b>2,210,401</b>	<b>20,452,298</b>
<b>Operating</b>									
Field and well operations	0	0	0	477	72	14,956	43,085	1,642,895	7,232,858
Natural gas processing plants	0	0	0	248	0	26,545	0	73,093	1,697,651
Taxes (excluding income tax)	0	0	0	0	0	437	3,007	78,489	369,377
Other operating expenses	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>725</b>	<b>72</b>	<b>41,938</b>	<b>46,092</b>	<b>1,794,477</b>	<b>9,299,886</b>
Royalties <sup>3</sup>	0	0	0	788	0	16,329	68,775	1,578,375	9,198,079
<b>Total expenditures</b>	<b>1,618</b>	<b>1,820</b>	<b>11,997</b>	<b>88,536</b>	<b>23,613</b>	<b>132,957</b>	<b>397,019</b>	<b>6,224,006</b>	<b>45,661,848</b>
	British Columbia	Nunavut	Northwest Territories	Yukon	Arctic Islands	Offshore			Canada
						New- foundland	Hudson Bay	Nova Scotia	
thousands of dollars									
<b>Exploration</b>									
Geological and geophysical operations	280,016	0	74,002	863	0	99,461	0	1,382	1,365,220
Drilling	915,868	0	147,510	81	0	395,070	0	1,018	6,084,747
Land acquisitions and rentals <sup>1</sup>	700,163	0	82	0	0	841	0	4,373	2,665,068
<b>Total</b>	<b>1,896,047</b>	<b>0</b>	<b>221,594</b>	<b>944</b>	<b>0</b>	<b>495,372</b>	<b>0</b>	<b>6,773</b>	<b>10,115,035</b>
<b>Development</b>									
Drilling	2,720,862	0	35,567	0	0	638,566	0	37,041	17,810,859
Production facilities <sup>2</sup>	1,300,091	0	130,335	929	0	134,984	0	268,314	8,892,337
Enhanced recovery and pressure maintenance	10,240	0	0	0	0	0	0	0	259,613
Natural gas plants	146,118	0	5,480	0	0	0	0	67	1,019,039
Non-production facilities	20,989	0	70	0	0	5,430	0	0	476,808
<b>Total</b>	<b>4,198,300</b>	<b>0</b>	<b>171,452</b>	<b>929</b>	<b>0</b>	<b>778,980</b>	<b>0</b>	<b>305,422</b>	<b>28,458,656</b>
<b>Operating</b>									
Field and well operations	1,097,683	0	50,542	4,747	0	717,978	0	124,179	10,929,472
Natural gas processing plants	320,078	0	2,933	2,105	0	0	0	39,088	2,161,741
Taxes (excluding income tax)	48,929	0	1,755	0	0	709	0	5,591	508,294
Other operating expenses	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,466,690</b>	<b>0</b>	<b>55,230</b>	<b>6,852</b>	<b>0</b>	<b>718,687</b>	<b>0</b>	<b>168,858</b>	<b>13,599,507</b>
Royalties <sup>3</sup>	1,444,276	0	30,730	2,660	0	404,281	0	230,193	12,974,486
<b>Total expenditures</b>	<b>9,005,313</b>	<b>0</b>	<b>479,006</b>	<b>11,385</b>	<b>0</b>	<b>2,397,320</b>	<b>0</b>	<b>711,246</b>	<b>65,147,684</b>

1. Includes bonuses, legal fees, filing fees, producing and non-producing acreage retention costs, bonuses paid for acquisition of freeholders' mineral rights, relevant land department salaries and overhead.

2. Includes tangible well and lease equipment and pipelines and related facilities.

3. Net of applicable incentive credits; excludes synthetic crude oil royalties.

**Table 4**  
**Marketable production and values**

	2003	2004	2005	2006
	thousands of cubic metres			
Crude oil	84,690.0	81,768.7	78,918.5	78,081.0
Synthetic crude oil	25,028.8	26,661.9	21,932.5	28,764.2
Crude bitumen	25,029.0	30,854.7	35,325.9	36,942.4
Condensate	1,180.8	1,134.9	1,494.0	1,564.2
Pentanes plus	8,884.6	8,739.4	8,537.0	8,747.3
Propane	9,123.8	9,019.6	9,093.3	9,765.1
Butanes	5,477.0	5,380.5	5,455.2	6,226.9
Ethane	14,838.9	15,661.6	15,705.9	16,092.6
	millions of cubic metres			
Natural gas	166,457.2	167,502.5	170,740.3	171,690.0
	thousands of metric tonnes			
Elemental sulphur	6,764.9	7,486.2	7,412.7	7,435.3
	thousands of dollars			
Crude oil	19,561,409	22,144,960	26,915,670	29,727,361
Synthetic crude oil	6,777,342	8,570,468	9,213,624	12,950,793
Crude bitumen	4,396,607	6,291,273	8,406,151	10,697,780
Condensate	322,927	380,381	656,730	726,140
Pentanes plus	2,552,213	3,252,858	3,967,626	4,253,116
Propane	1,860,994	1,996,729	2,472,403	2,711,999
Butanes	1,277,861	1,483,143	1,776,135	2,275,681
Ethane	2,563,782	2,781,028	3,693,432	2,966,269
Natural gas	37,044,588	38,103,949	51,101,881	42,634,458
Elemental sulphur	152,582	207,505	227,951	129,341
<b>Total value</b>	<b>76,510,306</b>	<b>85,212,294</b>	<b>108,431,603</b>	<b>109,072,939</b>

**Table 5-1**  
**Commodity data, oil and gas extraction — Net production withdrawals**

	Canada	Offshore Newfoundland	Offshore Nova Scotia	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories
thousands of cubic metres											
<b>Crude oil</b>											
2006	78,081.0	17,620.4	0.0	0.0	125.0	1,240.6	24,838.2	31,503.4	1,670.6	0.0	1,082.8
2005	78,918.5	17,677.6	0.0	0.0	139.2	811.9	24,292.8	33,141.7	1,765.7	0.0	1,089.6
<b>Synthetic crude oil</b>											
2006	28,764.2	0.0	0.0	0.0	0.0	0.0	0.0	28,764.2	0.0	0.0	0.0
2005	21,932.5	0.0	0.0	0.0	0.0	0.0	0.0	21,932.5	0.0	0.0	0.0
<b>Crude bitumen</b>											
2006	36,942.4	0.0	0.0	0.0	0.0	0.0	0.0	36,942.4	0.0	0.0	0.0
2005	35,325.9	0.0	0.0	0.0	0.0	0.0	0.0	35,325.9	0.0	0.0	0.0
<b>Condensate</b>											
2006	1,564.2	0.0	698.1	0.0	0.0	0.0	0.0	640.1	226.0	0.0	0.0
2005	1,494.0	0.0	741.9	0.0	0.0	0.0	0.0	564.2	187.9	0.0	0.0
<b>Pentanes plus</b>											
2006	8,747.3	0.0	0.0	0.0	0.0	0.0	29.2	8,167.7	464.0	0.0	86.4
2005	8,537.0	0.0	0.0	0.0	0.0	0.0	30.8	7,914.4	507.6	0.0	84.2
<b>Propane</b>											
2006	9,765.1	0.0	167.6	0.0	0.0	0.0	43.5	9,194.0	360.0	0.0	0.0
2005	9,093.3	0.0	215.7	0.0	0.0	0.0	49.5	8,452.7	375.4	0.0	0.0
<b>Butanes</b>											
2006	6,226.9	0.0	163.3	0.0	0.0	0.0	21.9	5,751.9	289.8	0.0	0.0
2005	5,455.2	0.0	190.9	0.0	0.0	0.0	25.2	4,895.0	344.1	0.0	0.0
<b>Ethane<sup>1</sup></b>											
2006	16,092.6	0.0	0.0	0.0	0.0	0.0	26.7	14,824.5	1,241.4	0.0	0.0
2005	15,707.9	0.0	0.0	0.0	0.0	0.0	40.6	14,620.5	1,046.8	0.0	0.0
millions of cubic metres											
<b>Natural gas</b>											
2006	202,839.4	253.6	3,791.2	0.0	259.3	0.0	9,044.4	153,768.1	35,291.7	151.7	279.4
2005	203,460.1	292.6	4,218.3	0.0	254.5	0.0	8,978.4	157,130.0	31,892.8	197.9	495.6
thousands of metric tonnes											
<b>Elemental sulphur</b>											
2006	7,435.3	0.0	0.0	0.0	0.0	0.0	0.0	6,600.1	835.2	0.0	0.0
2005	7,412.7	0.0	0.0	0.0	0.0	0.0	0.0	6,559.7	853.0	0.0	0.0

1. Estimated before solvent flood.

2. Excludes volume of upgraded crude oil.

**Table 5-2**  
**Commodity data, oil and gas extraction — Marketable production**

	Canada	Offshore Newfoundland	Offshore Nova Scotia	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories
thousands of cubic metres											
Crude oil	78,081.0	17,620.4	0.0	0.0	125.0	1,240.6	24,838.2	31,503.4	1,670.6	0.0	1,082.8
Synthetic crude oil	28,764.2	0.0	0.0	0.0	0.0	0.0	0.0	28,764.2	0.0	0.0	0.0
Crude bitumen	36,942.4	0.0	0.0	0.0	0.0	0.0	0.0	36,942.4	0.0	0.0	0.0
Condensate	1,564.2	0.0	698.1	0.0	0.0	0.0	0.0	640.1	226.0	0.0	0.0
Pentanes plus	8,747.3	0.0	0.0	0.0	0.0	0.0	29.2	8,167.7	464.0	0.0	86.4
Propane	9,765.1	0.0	167.6	0.0	0.0	0.0	43.5	9,194.0	360.0	0.0	0.0
Butanes	6,226.9	0.0	163.3	0.0	0.0	0.0	21.9	5,751.9	289.8	0.0	0.0
Ethane <sup>1</sup>	16,092.6	0.0	0.0	0.0	0.0	0.0	26.7	14,824.5	1,241.4	0.0	0.0
millions of cubic metres											
Natural gas	171,690.0	0.0	3,539.5	0.0	259.3	0.0	7,344.5	132,402.8	27,795.4	112.1	236.4
thousands cubic tonnes											
Elemental sulphur	7,435.3	0.0	0.0	0.0	0.0	0.0	0.0	6,600.1	835.2	0.0	0.0
thousands of dollars											
Crude oil	29,727,361	8,029,616	0	0	56,169	534,041	7,888,521	12,050,943	705,077	0	462,994
Synthetic crude oil	12,950,793	0	0	0	0	0	0	12,950,793	0	0	0
Crude bitumen	10,697,780	0	0	0	0	0	0	10,697,780	0	0	0
Condensate	726,140	0	317,440	0	0	0	0	314,955	93,745	0	0
Pentanes plus	4,253,116	0	0	0	0	0	12,954	3,983,877	218,242	0	38,042
Propane	2,711,999	0	49,603	0	0	0	11,754	2,553,082	97,560	0	0
Butanes	2,275,681	0	69,254	0	0	0	8,624	2,106,806	90,997	0	0
Ethane <sup>1</sup>	2,966,269	0	0	0	0	0	5,129	2,725,336	235,804	0	0
Natural gas	42,634,458	0	958,355	0	79,214	0	1,730,070	33,018,610	6,757,896	28,190	62,124
Elemental sulphur	129,341	0	0	0	0	0	0	122,234	7,108	0	0
<b>Total value in dollars</b>	<b>109,072,938</b>	<b>8,029,616</b>	<b>1,394,652</b>	<b>0</b>	<b>135,383</b>	<b>534,041</b>	<b>9,657,053</b>	<b>80,524,416</b>	<b>8,206,429</b>	<b>28,190</b>	<b>563,160</b>

1. Estimated before solvent flood.
2. Excludes volume of upgraded crude oil.
3. Excludes value of upgraded crude oil. See reconciliation table 10.

**Table 5-3**  
**Commodity data, oil and gas extraction — Shipments**

	Canada	Offshore Newfoundland	Offshore Nova Scotia	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories
thousands of cubic metres											
Crude oil	78,081.0	17,620.4	0.0	0.0	125.0	1,240.6	24,838.2	31,503.4	1,670.6	0.0	1,082.8
Synthetic crude oil	28,764.2	0.0	0.0	0.0	0.0	0.0	0.0	28,764.2	0.0	0.0	0.0
Crude bitumen	36,942.4	0.0	0.0	0.0	0.0	0.0	0.0	36,942.4	0.0	0.0	0.0
Condensate	1,564.2	0.0	698.1	0.0	0.0	0.0	0.0	640.1	226.0	0.0	0.0
Pentanes plus	8,747.3	0.0	0.0	0.0	0.0	0.0	29.2	8,167.7	464.0	0.0	86.4
Propane	9,765.1	0.0	167.6	0.0	0.0	0.0	43.5	9,194.0	360.0	0.0	0.0
Butanes	6,226.9	0.0	163.3	0.0	0.0	0.0	21.9	5,751.9	289.8	0.0	0.0
Ethane <sup>1</sup>	16,092.6	0.0	0.0	0.0	0.0	0.0	26.7	14,824.5	1,241.4	0.0	0.0
millions of cubic metres											
Natural gas	171,690.0	0.0	3,539.5	0.0	259.3	0.0	7,344.5	132,402.8	27,795.4	112.1	236.4
thousands of metric tonnes											
Elemental sulphur	7,929.6	0.0	0.0	0.0	0.0	0.0	0.0	7,094.4	835.2	0.0	0.0
thousands of dollars											
Crude oil	29,727,361	8,029,616	0	0	56,169	534,041	7,888,521	12,050,943	705,077	0	462,994
Synthetic crude oil	12,950,793	0	0	0	0	0	0	12,950,793	0	0	0
Crude bitumen	10,697,780	0	0	0	0	0	0	10,697,780	0	0	0
Condensate	726,140	0	317,440	0	0	0	0	314,955	93,745	0	0
Pentanes plus	4,253,116	0	0	0	0	0	12,954	3,983,877	218,242	0	38,042
Propane	2,711,999	0	49,603	0	0	0	11,754	2,553,082	97,560	0	0
Butanes	2,275,681	0	69,254	0	0	0	8,624	2,106,806	90,997	0	0
Ethane <sup>1</sup>	2,966,269	0	0	0	0	0	5,129	2,725,336	235,804	0	0
Natural gas	42,634,459	0	958,355	0	79,214	0	1,730,070	33,018,610	6,757,896	28,190	62,124
Elemental sulphur	138,496	0	0	0	0	0	0	131,388	7,108	0	0
<b>Total value in dollars</b>	<b>109,082,094</b>	<b>8,029,616</b>	<b>1,394,652</b>	<b>0</b>	<b>135,383</b>	<b>534,041</b>	<b>9,657,052</b>	<b>80,533,570</b>	<b>8,206,429</b>	<b>28,190</b>	<b>563,160</b>

1. Estimated before solvent flood.
2. Excludes volume of upgraded crude oil.
3. Excludes value of upgraded crude oil. See reconciliation table 10.

**Table 6**  
**Conventional crude oil and equivalent and marketable natural gas remaining established reserves in Canada, 2006**

	Canada	Eastcoast offshore <sup>1</sup>	Arctic Islands <sup>2</sup>	Mackenzie Delta-Beaufort Sea <sup>2</sup>	Mainland territories <sup>2</sup>	Eastern Canada
thousands of cubic metres						
<b>Conventional crude oil</b>						
Remaining reserves at the 31 <sup>st</sup> of December, 2005	827,938	272,865	0	53,950	5,699	0
Positive revisions	0	0	0	0	0	0
Negative revisions	0	0	0	0	0	0
Extensions	0	0	0	0	0	0
Gross additions	36,292	0	0	0	150	0
<b>Total crude oil</b>	<b>864,220</b>	<b>272,865</b>	<b>0</b>	<b>53,950</b>	<b>5,849</b>	<b>0</b>
2006 net production <sup>3</sup>	78,540	17,621	0	0	1,082	0
Remaining reserves at the 31 <sup>st</sup> of December, 2006	785,690	255,244	0	53,950	4,767	0
Net change in reserves during 2006	-42,248	-17,621	0	0	-932	0
<b>Pentanes plus</b>						
Remaining reserves at 31 <sup>st</sup> of December, 2005	70,708	7,363	0	0	2,676	0
Positive revisions	0	0	0	0	0	0
Negative revisions	0	0	0	0	0	0
Extensions	0	0	0	0	0	0
Gross additions	9,833	0	0	0	0	0
<b>Total pentanes plus</b>	<b>80,541</b>	<b>7,363</b>	<b>0</b>	<b>0</b>	<b>2,676</b>	<b>0</b>
2006 net production <sup>3</sup>	9,318	197	0	0	60	0
Remaining reserves at 31 <sup>st</sup> of December, 2006	71,223	7,166	0	0	2,616	0
Net change in reserves during 2006	515	-197	0	0	-60	0
<b>Total remaining conventional crude oil and equivalent reserves</b>	<b>856,913</b>	<b>262,410</b>	<b>0</b>	<b>53,950</b>	<b>7,383</b>	<b>0</b>
millions of cubic metres						
<b>Marketable natural gas</b>						
Remaining reserves at 31 <sup>st</sup> of December, 2005	1,632,560	15,247	0	0	11,260	105
Positive revisions	0	0	0	0	0	0
Negative revisions	0	0	0	0	0	0
Extensions	0	0	0	0	0	0
Gross additions	183,205	0	0	0	-736	0
<b>Total marketable natural gas</b>	<b>1,815,765</b>	<b>15,247</b>	<b>0</b>	<b>0</b>	<b>10,524</b>	<b>105</b>
Net change in underground storage	0	0	0	0	0	0
2006 net production <sup>3,4</sup>	176,053	3 603	0	0	283	0
Remaining reserves at 31 <sup>st</sup> of December, 2006	1,639,712	11,644	0	0	10,241	105
Non-associated	1,427,693	11,644	0	0	9,149	105
Associated	212,019	0	0	0	1,092	0
Dissolved	0	0	0	0	0	0
Underground storage	0	0	0	0	0	0
Net change in reserves during 2006	7,152	-3,603	0	0	-1,019	0

See footnotes at the end of the table.



Table 6 – continued

**Conventional crude oil and equivalent and marketable natural gas remaining established reserves in Canada, 2006**

	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia
thousands of cubic metres					
<b>Conventional crude oil</b>					
Remaining reserves at the 31st of December, 2005	1,595	3,942	197,651	270,765	21,471
Positive revisions	0	0	0	0	0
Negative revisions	0	0	0	0	0
Extensions	0	0	0	0	0
Gross additions	202	4,228	6,985	25,886	-1,159
<b>Total crude oil</b>	<b>1,797</b>	<b>8,170</b>	<b>204,636</b>	<b>296,651</b>	<b>20,312</b>
2006 net production <sup>3</sup>	125	1,091	24,754	32,220	1,647
Remaining reserves at the 31st of December, 2006	1,672	7,079	179,882	264,431	18,665
Net change in reserves during 2006	77	3,137	-17,769	-6,334	-2,806
<b>Pentanes plus</b>					
Remaining reserves at 31st of December, 2005	0	0	247	53,782	6,640
Positive revisions	0	0	0	0	0
Negative revisions	0	0	0	0	0
Extensions	0	0	0	0	0
Gross additions	0	0	74	7,646	2,113
<b>Total pentanes plus</b>	<b>0</b>	<b>0</b>	<b>321</b>	<b>61,428</b>	<b>8,753</b>
2006 net production <sup>3</sup>	0	0	84	8,444	533
Remaining reserves at 31st of December, 2006	0	0	237	52,984	8,220
Net change in reserves during 2006	0	0	-10	-798	1,580
<b>Total remaining conventional crude oil and equivalent reserves</b>	<b>1,672</b>	<b>7,079</b>	<b>180,119</b>	<b>317,415</b>	<b>26,885</b>
millions of cubic metres					
<b>Marketable natural gas</b>					
Remaining reserves at 31st of December, 2005	13,021	0	91,614	1,153,480	347,833
Positive revisions	0	0	0	0	0
Negative revisions	0	0	0	0	0
Extensions	0	0	0	0	0
Gross additions	7,325	0	14,110	113,784	48,722
<b>Total marketable natural gas</b>	<b>20,346</b>	<b>0</b>	<b>105,724</b>	<b>1,267,264</b>	<b>396,555</b>
Net change in underground storage	0	0	0	0	0
2006 net production <sup>3,4</sup>	340	0	6,895	136,030	28,902
Remaining reserves at 31st of December, 2006	20,006	0	98,829	1,131,234	367,653
Non-associated	20,006	0	96,696	935,164	354,929
Associated	0	0	2,133	196,070	12,724
Dissolved	0	0	0	0	0
Underground storage	0	0	0	0	0
Net change in reserves during 2006	6,985	0	7,215	-22,246	19,820

1. Crude oil reserves were booked for the eastcoast offshore for the first time in year-end 1981 reserves.
2. As with all other areas, reserves for frontier areas are carried in accordance with the definition of established reserves. However, reserves for frontier areas are only shown when a threshold volume has been determined to exist.
3. Preliminary estimate.
4. Before re-processing plant operations.

**Source(s):** Canadian Association of Petroleum Producers. (Excludes oil sands reserves, see text table 6).

**Table 7-1**  
**Supply and disposition of crude oil and equivalent by source, Canada — 2005**

	Offshore Newfoundland	Offshore Nova Scotia	Ontario	Manitoba	Saskat- chewan <sup>1</sup>	Alberta
thousands of cubic metres						
<b>Supply</b>						
<b>Domestic production:</b>						
Crude oil						
Light and medium	17,677.6	0.0	139.2	811.9	5,250.0	21,686.8
Heavy	0.0	0.0	0.0	0.0	19,042.8	11,454.9
Synthetic crude oil	0.0	0.0	0.0	0.0	0.0	21,932.5
Crude bitumen	0.0	0.0	0.0	0.0	0.0	35,325.9
Less returned to formation	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>17,677.6</b>	<b>0.0</b>	<b>139.2</b>	<b>811.9</b>	<b>24,292.8</b>	<b>90,400.1</b>
Condensate	0.0	741.9	0.0	0.0	0.0	564.2
Pentanes plus	0.0	0.0	0.0	0.0	30.8	7,914.4
Net withdrawals	17,677.6	741.9	139.2	811.9	24,323.6	98,878.7
Imports	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total supply</b>	<b>17,677.6</b>	<b>741.9</b>	<b>139.2</b>	<b>811.9</b>	<b>24,323.6</b>	<b>98,878.7</b>
<b>Disposition</b>						
<b>Deliveries to refineries:</b>						
Atlantic provinces	3,470.0	0.0	0.0	0.0	0.0	0.0
Quebec	2,126.4	0.0	0.0	0.0	0.0	0.0
Ontario	3,061.2	0.0	139.2	549.1	2,123.0	7,134.4
Manitoba	0.0	0.0	0.0	0.0	0.0	0.0
Saskatchewan	0.0	0.0	0.0	0.0	3,380.1	1,811.1
Alberta	0.0	0.0	0.0	0.0	509.9	24,017.8
British Columbia	0.0	0.0	0.0	0.0	0.0	1,963.6
Northwest Territories	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>8,657.6</b>	<b>0.0</b>	<b>139.2</b>	<b>549.1</b>	<b>6,013.0</b>	<b>34,926.9</b>
<b>Export to United States</b>						
Petroleum administration						
East Coast	7,510.6	62.0	0.0	0.0	2,776.1	764.5
Midwest	0.0	0.0	0.0	255.5	16,021.8	36,214.2
Gulf Coast	603.1	0.0	0.0	0.0	0.0	551.4
Rocky Mountains	0.0	0.0	0.0	0.0	199.1	20,978.7
West Coast	0.0	0.0	0.0	0.0	0.0	4,728.5
<b>Total United States</b>	<b>8,113.7</b>	<b>62.0</b>	<b>0.0</b>	<b>255.5</b>	<b>18,997.0</b>	<b>63,237.3</b>
Other countries	642.8	0.0	0.0	0.0	0.0	147.5
<b>Total exports</b>	<b>8,756.5</b>	<b>62.0</b>	<b>0.0</b>	<b>255.5</b>	<b>18,997.0</b>	<b>63,384.8</b>
Net inventory changes	263.5	679.9	0.0	7.3	-10.1	1,974.1
Deliveries to other purchasers	0.0	0.0	0.0	0.0	0.0	0.0
Losses and adjustments	0.0	0.0	0.0	0.0	-676.3	-1,407.1
<b>Total disposition</b>	<b>17,677.6</b>	<b>741.9</b>	<b>139.2</b>	<b>811.9</b>	<b>24,323.6</b>	<b>98,878.7</b>

See footnotes at the end of the table.

Table 7-1 – continued

## Supply and disposition of crude oil and equivalent by source, Canada — 2005

	British Columbia	Northwest Territories	Total Canadian sources	Total foreign sources	Total all sources
thousands of cubic metres					
<b>Supply</b>					
<b>Domestic production:</b>					
Crude oil					
Light and medium	1,765.7	1,089.6	48,420.8	0.0	48,420.8
Heavy	0.0	0.0	30,497.7	0.0	30,497.7
Synthetic crude oil	0.0	0.0	21,932.5	0.0	21,932.5
Crude bitumen	0.0	0.0	35,325.9	0.0	35,325.9
Less returned to formation	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1,765.7</b>	<b>1,089.6</b>	<b>136,176.9</b>	<b>0.0</b>	<b>136,176.9</b>
Condensate	187.9	0.0	1,494.0	0.0	1,494.0
Pentanes plus	507.6	84.2	8,537.0	0.0	8,537.0
Net withdrawals	2,461.2	1,173.8	146,207.9	0.0	146,207.9
Imports	0.0	0.0	0.0	53,796.9	53,796.9
<b>Total supply</b>	<b>2,461.2</b>	<b>1,173.8</b>	<b>146,207.9</b>	<b>53,796.9</b>	<b>200,004.8</b>
<b>Disposition</b>					
<b>Deliveries to refineries:</b>					
Atlantic provinces	0.0	0.0	3,470.0	21,788.4	25,258.4
Quebec	0.0	0.0	2,126.4	22,832.9	24,959.3
Ontario	0.0	1,124.4	14,131.3	9,175.6	23,306.9
Manitoba	0.0	0.0	0.0	0.0	0.0
Saskatchewan	0.0	0.0	5,191.2	0.0	5,191.2
Alberta	1,116.8	0.0	25,644.5	0.0	25,644.5
British Columbia	1,051.3	0.0	3,014.9	0.0	3,014.9
Northwest Territories	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>2,168.1</b>	<b>1,124.4</b>	<b>53,578.3</b>	<b>53,796.9</b>	<b>107,375.2</b>
<b>Export to United States</b>					
Petroleum administration					
East Coast	0.0	0.0	11,113.2	0.0	11,113.2
Midwest	0.0	0.0	52,491.5	0.0	52,491.5
Gulf Coast	0.0	0.0	1,154.5	0.0	1,154.5
Rocky Mountains	0.0	0.0	21,177.8	0.0	21,177.8
West Coast	185.8	0.0	4,914.3	0.0	4,914.3
<b>Total United States</b>	<b>185.8</b>	<b>0.0</b>	<b>90,851.3</b>	<b>0.0</b>	<b>90,851.3</b>
Other countries	0.0	0.0	790.3	0.0	790.3
<b>Total exports</b>	<b>185.8</b>	<b>0.0</b>	<b>91,641.6</b>	<b>0.0</b>	<b>91,641.6</b>
Net inventory changes	11.4	3.0	2,929.1	0.0	2,929.1
Deliveries to other purchasers	0.0	0.0	0.0	0.0	0.0
Losses and adjustments	95.9	46.4	-1,941.1	0.0	-1,941.1
<b>Total disposition</b>	<b>2,461.2</b>	<b>1,173.8</b>	<b>146,207.9</b>	<b>53,796.9</b>	<b>200,004.8</b>

1. Total supply excludes volume of upgraded crude oil.

**Note(s):** This table is not restricted to NAICS 211; it includes certain statistics of Petroleum refineries (NAICS 324) and of Oil Pipeline Transport (NAICS 4861).

**Table 7-2**  
**Supply and disposition of crude oil and equivalent by source, Canada — 2006**

	Offshore Newfoundland	Offshore Nova Scotia	Ontario	Manitoba	Saskat- chewan <sup>1</sup>	Alberta
thousands of cubic metres						
<b>Supply</b>						
<b>Domestic production:</b>						
Crude oil						
Light and medium	17,620.4	0.0	125.0	1,240.6	5,494.1	20,861.0
Heavy	0.0	0.0	0.0	0.0	19,344.1	10,642.4
Synthetic crude oil	0.0	0.0	0.0	0.0	0.0	28,764.2
Crude bitumen	0.0	0.0	0.0	0.0	0.0	36,942.4
Less returned to formation	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>17,620.4</b>	<b>0.0</b>	<b>125.0</b>	<b>1,240.6</b>	<b>24,838.2</b>	<b>97,210.0</b>
Condensate	0.0	698.1	0.0	0.0	0.0	640.1
Pentanes plus	0.0	0.0	0.0	0.0	29.2	8,167.7
Net withdrawals	17,620.4	698.1	125.0	1,240.6	24,867.4	106,017.8
Imports	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total supply</b>	<b>17,620.4</b>	<b>698.1</b>	<b>125.0</b>	<b>1,240.6</b>	<b>24,867.4</b>	<b>106,017.8</b>
<b>Disposition</b>						
<b>Deliveries to refineries:</b>						
Atlantic provinces	4,268.2	0.0	0.0	0.0	0.0	0.0
Quebec	1,459.4	0.0	0.0	0.0	0.0	0.0
Ontario	2,139.4	0.0	125.0	693.9	1,911.6	8,079.0
Manitoba	0.0	0.0	0.0	0.0	0.0	0.0
Saskatchewan	0.0	0.0	0.0	0.0	4,242.1	1,548.9
Alberta	0.0	0.0	0.0	0.0	545.4	23,739.4
British Columbia	0.0	0.0	0.0	0.0	0.0	2,172.1
Northwest Territories	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>7,867.0</b>	<b>0.0</b>	<b>125.0</b>	<b>693.9</b>	<b>6,699.1</b>	<b>35,539.4</b>
<b>Export to United States</b>						
Petroleum administration						
East Coast	8,077.3	317.2	0.0	154.5	2,905.6	592.1
Midwest	0.0	0.0	0.0	111.0	16,002.4	45,193.0
Gulf Coast	1,277.0	0.0	0.0	0.0	0.0	666.5
Rocky Mountains	0.0	0.0	0.0	0.0	153.2	20,891.9
West Coast	0.0	0.0	0.0	0.0	0.0	5,987.4
<b>Total United States</b>	<b>9,354.3</b>	<b>317.2</b>	<b>0.0</b>	<b>265.5</b>	<b>19,061.2</b>	<b>73,330.9</b>
Other countries	278.6	0.0	0.0	0.0	0.0	0.0
<b>Total exports</b>	<b>9,632.9</b>	<b>317.2</b>	<b>0.0</b>	<b>265.5</b>	<b>19,061.2</b>	<b>73,330.9</b>
Net inventory changes	120.5	380.9	0.0	281.2	-80.2	-845.9
Deliveries to other purchasers	0.0	0.0	0.0	0.0	0.0	0.0
Losses and adjustments	0.0	0.0	0.0	0.0	-812.7	-2,006.6
<b>Total disposition</b>	<b>17,620.4</b>	<b>698.1</b>	<b>125.0</b>	<b>1,240.6</b>	<b>24,867.4</b>	<b>106,017.8</b>

See footnotes at the end of the table.

Table 7-2 – continued

## Supply and disposition of crude oil and equivalent by source, Canada — 2006

	British Columbia	Northwest Territories	Total Canadian sources	Total foreign sources	Total all sources
thousands of cubic metres					
<b>Supply</b>					
<b>Domestic production:</b>					
Crude oil					
Light and medium	1,670.6	1,082.8	48,094.5	0.0	48,094.5
Heavy	0.0	0.0	29,986.5	0.0	29,986.5
Synthetic crude oil	0.0	0.0	28,764.2	0.0	28,764.2
Crude bitumen	0.0	0.0	36,942.4	0.0	36,942.4
Less returned to formation	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1,670.6</b>	<b>1,082.8</b>	<b>143,787.6</b>	<b>0.0</b>	<b>143,787.6</b>
Condensate	226.0	0.0	1,564.2	0.0	1,564.2
Pentanes plus	464.0	86.4	8,747.3	0.0	8,747.3
Net withdrawals	2,360.6	1,169.2	154,099.1	0.0	154,099.1
Imports	..	..	..	49,303.1	49,303.1
<b>Total supply</b>	<b>2,360.6</b>	<b>1,169.2</b>	<b>154,099.1</b>	<b>49,303.1</b>	<b>203,402.2</b>
<b>Disposition</b>					
<b>Deliveries to refineries:</b>					
Atlantic provinces	0.0	0.0	4,268.2	19,190.7	23,458.9
Quebec	0.0	0.0	1,459.4	22,889.5	24,348.9
Ontario	0.0	1,099.7	14,048.6	7,222.9	21,271.5
Manitoba	0.0	0.0	0.0	0.0	0.0
Saskatchewan	0.0	0.0	5,791.0	0.0	5,791.0
Alberta	1,002.0	0.0	25,286.8	0.0	25,286.8
British Columbia	1,019.8	0.0	3,191.9	0.0	3,191.9
Northwest Territories	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>2,021.8</b>	<b>1,099.7</b>	<b>54,045.9</b>	<b>49,303.1</b>	<b>103,349.0</b>
<b>Export to United States</b>					
Petroleum administration					
East Coast	0.0	0.0	12,046.7	0.0	12,046.7
Midwest	0.0	0.0	61,306.4	0.0	61,306.4
Gulf Coast	0.0	0.0	1,943.5	0.0	1,943.5
Rocky Mountains	0.0	0.0	21,045.1	0.0	21,045.1
West Coast	162.8	0.0	6,150.2	0.0	6,150.2
<b>Total United States</b>	<b>162.8</b>	<b>0.0</b>	<b>102,491.9</b>	<b>0.0</b>	<b>102,491.9</b>
Other countries	0.0	0.0	278.6	0.0	278.6
<b>Total exports</b>	<b>162.8</b>	<b>0.0</b>	<b>102,770.5</b>	<b>0.0</b>	<b>102,770.5</b>
Net inventory changes	0.0	-2.0	-145.5	0.0	-145.5
Deliveries to other purchasers	0.0	0.0	0.0	0.0	0.0
Losses and adjustments	176.0	71.5	-2,571.8	0.0	-2,571.8
<b>Total disposition</b>	<b>2,360.6</b>	<b>1,169.2</b>	<b>154,099.1</b>	<b>49,303.1</b>	<b>203,402.2</b>

1. Total supply excludes volume of upgraded crude oil.

**Note(s):** This table is not restricted to NAICS 211; it includes certain statistics of Petroleum refineries (NAICS 324) and of Oil Pipeline Transport (NAICS 4861).

**Table 8-1**  
**Supply and disposition of natural gas, by source, Canada — 2005**

	Newfoundland and Labrador	Nova Scotia	Ontario	Saskat- chewan	Alberta	British Columbia
millions of cubic metres at 101.325 kPa and 15°C.						
<b>Field and processing plants</b>						
<b>Supply</b>						
Gross new production	3,958.8	4,221.9	254.5	9,489.5	168,349.2	32,035.7
Less field flared and waste	294.6	3.6	0.0	511.1	963.7	142.9
Net new production	3,664.2	4,218.3	254.5	8,978.4	167,385.5	31,892.8
Reproduced	0.0	0.0	0.0	0.0	0.0	0.0
Less injected and stored	3,371.6	0.0	0.0	0.0	10,255.5	0.0
<b>Net withdrawals</b>	<b>292.6</b>	<b>4,218.3</b>	<b>254.5</b>	<b>8,978.4</b>	<b>157,130.0</b>	<b>31,892.8</b>
<b>Disposition</b>						
Field disposition and uses	292.6	0.0	0.0	1,049.5	3,874.3	1,720.9
Gathering system disposition and uses	0.0	10.9	0.0	426.5	3,408.6	0.0
Processing plant disposition and uses						
Processing and re-processing shrinkage	0.0	403.9	0.0	79.8	15,158.4	1,962.9
Other disposition and uses	0.0	0.0	0.0	94.2	4,906.6	840.1
Other uses	0.0	0.0	0.0	0.0	0.0	0.0
Adjustment	0.0	-142.3	0.0	85.6	-2,015.5	430.5
Deliveries of marketable gas to transport and distribution systems	0.0	3,945.8	254.5	7,242.8	131,797.6	26,938.4
<b>Total disposition</b>	<b>292.6</b>	<b>4,218.3</b>	<b>254.5</b>	<b>8,978.4</b>	<b>157,130.0</b>	<b>31,892.8</b>
<b>Gas utilities</b>						
<b>Supply</b>						
<b>Total marketable gas</b>	<b>0.0</b>	<b>3,945.8</b>	<b>254.5</b>	<b>7,242.8</b>	<b>131,797.6</b>	<b>26,938.4</b>
Receipts from distributor storage	0.0	0.0	0.0	467.5	24,318.2	1,344.3
Imports	0.0	0.0	0.0	0.0	0.0	0.0
Other receipts <sup>1</sup>	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total supply of marketable gas</b>	<b>0.0</b>	<b>3,945.8</b>	<b>254.5</b>	<b>7,710.3</b>	<b>156,115.8</b>	<b>28,282.7</b>
<b>Disposition</b>						
Utility sales (excluding direct sales)						
British Columbia	0.0	0.0	0.0	0.0	437.8	2,621.4
Alberta	0.0	0.0	0.0	0.0	17,126.9	5,612.2
Saskatchewan	0.0	0.0	0.0	1,607.5	0.0	0.0
Manitoba	0.0	0.0	0.0	0.0	1,204.6	0.0
Ontario	0.0	0.0	254.5	2,420.2	11,165.3	1,617.1
Quebec	0.0	0.0	0.0	0.0	3,900.0	0.0
New Brunswick	0.0	0.0	0.0	0.0	0.0	0.0
Northwest Territories	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total utility sales</b>	<b>0.0</b>	<b>0.0</b>	<b>254.5</b>	<b>4,027.7</b>	<b>33,834.6</b>	<b>9,850.7</b>
Exports	0.0	3,205.0	0.0	10.8	91,041.7	12,013.7
Direct sales <sup>2, 3</sup>	0.0	738.8	0.0	2,357.9	14,839.8	3,634.6
Delivered to distributor storage	0.0	0.0	0.0	1,316.2	6,580.5	1,358.2
Line pack fluctuation	0.0	0.6	0.0	-1.0	-98.8	15.1
Pipeline fuel	0.0	17.5	0.0	63.6	4,688.2	408.7
Pipeline losses and unaccounted volumes	0.0	-16.1	0.0	-64.9	5,229.8	1,001.7
<b>Total disposition of marketable gas</b>	<b>0.0</b>	<b>3,945.8</b>	<b>254.5</b>	<b>7,710.3</b>	<b>156,115.8</b>	<b>28,282.7</b>

See footnotes at the end of the table.

Table 8-1 – continued

## Supply and disposition of natural gas, by source, Canada — 2005

	Yukon	Northwest Territories	Total Canadian sources	Total foreign sources	Total all sources
millions of cubic metres at 101.325 kPa and 15°C.					
<b>Field and processing plants</b>					
<b>Supply</b>					
Gross new production	199.1	500.9	219,009.6	0.0	219,009.6
Less field flared and waste	1.2	5.3	1,922.4	0.0	1,922.4
Net new production	197.9	495.6	217,087.2	0.0	217,087.2
Reproduced	0.0	0.0	0.0	0.0	0.0
Less injected and stored	0.0	0.0	13,627.1	0.0	13,627.1
<b>Net withdrawals</b>	<b>197.9</b>	<b>495.6</b>	<b>203,460.1</b>	<b>0.0</b>	<b>203,460.1</b>
<b>Disposition</b>					
Field disposition and uses	0.0	0.0	6,937.3	0.0	6,937.3
Gathering system disposition and uses	0.0	0.0	3,846.0	0.0	3,846.0
Processing plant disposition and uses					
Processing and re-processing shrinkage	36.5	38.9	17,680.4	0.0	17,680.4
Other disposition and uses	10.7	46.2	5,897.8	0.0	5,897.8
Other uses	0.0	0.0	0.0	0.0	0.0
Adjustment	0.0	0.0	-1,641.7	0.0	-1,641.7
Deliveries of marketable gas to transport and distribution systems	150.7	410.5	170,740.3	0.0	170,740.3
<b>Total disposition</b>	<b>197.9</b>	<b>495.6</b>	<b>203,460.1</b>	<b>0.0</b>	<b>203,460.1</b>
<b>Gas utilities</b>					
<b>Supply</b>					
<b>Total marketable gas</b>	<b>150.7</b>	<b>410.5</b>	<b>170,740.3</b>	<b>0.0</b>	<b>170,740.3</b>
Receipts from distributor storage	0.0	0.0	26,130.0	0.0	26,130.0
Imports	0.0	0.0	0.0	9,524.1	9,524.1
Other receipts <sup>1</sup>	0.0	0.0	0.0	0.0	0.0
<b>Total supply of marketable gas</b>	<b>150.7</b>	<b>410.5</b>	<b>196,870.3</b>	<b>9,524.1</b>	<b>206,394.4</b>
<b>Disposition</b>					
Utility sales (excluding direct sales)					
British Columbia	150.7	329.7	3,539.6	0.0	3,539.6
Alberta	0.0	0.0	22,739.1	0.0	22,739.1
Saskatchewan	0.0	0.0	1,607.5	0.0	1,607.5
Manitoba	0.0	0.0	1,204.6	0.0	1,204.6
Ontario	0.0	0.0	15,457.1	0.0	15,457.1
Quebec	0.0	0.0	3,900.0	0.0	3,900.0
New Brunswick	0.0	0.0	0.0	0.0	0.0
Northwest Territories	0.0	80.8	80.8	0.0	80.8
<b>Total utility sales</b>	<b>150.7</b>	<b>410.5</b>	<b>48,528.7</b>	<b>0.0</b>	<b>48,528.7</b>
Exports	0.0	0.0	106,271.2	0.0	106,271.2
Direct sales <sup>2, 3</sup>	0.0	0.0	21,571.1	0.0	21,571.1
Delivered to distributor storage	0.0	0.0	9,254.9	9,524.1	18,779.0
Line pack fluctuation	0.0	0.0	-84.1	0.0	-84.1
Pipeline fuel	0.0	0.0	5,178.0	0.0	5,178.0
Pipeline losses and unaccounted volumes	0.0	0.0	6,150.5	0.0	6,150.5
<b>Total disposition of marketable gas</b>	<b>150.7</b>	<b>410.5</b>	<b>196,870.3</b>	<b>9,524.1</b>	<b>206,394.4</b>

1. Liquefied petroleum gas for gas enrichment, peak shaving or temporary supply.

2. Direct deliveries for industrial consumption and miscellaneous utility deliveries.

3. Data presented for Alberta as direct sales are intended to represent direct sales volumes actually consumed in the provinces of Saskatchewan, Manitoba, Ontario, and Quebec. Spacing constraints within the table does not allow for the allocation by province.

**Note(s):** This table is not restricted to NAICS 211; it includes certain statistics of Gas Distribution (NAICS 2212) and of Pipeline Transport (NAICS 4862).

**Table 8-2**  
**Supply and disposition of natural gas, by source, Canada — 2006**

	Newfoundland and Labrador	Nova Scotia	Ontario	Saskat- chewan	Alberta	British Columbia
millions of cubic metres at 101.325 kPa and 15°C.						
<b>Field and processing plants</b>						
<b>Supply</b>						
Gross new production	3,568.4	3,794.7	259.3	9,580.6	167,385.1	35,410.9
Less field flared and waste	425.9	3.5	0.0	536.2	1,005.4	119.2
Net new production	3,142.5	3,791.2	259.3	9,044.4	166,379.7	35,291.7
Reproduced	0.0	0.0	0.0	0.0	0.0	0.0
Less injected and stored	2,878.9	0.0	0.0	0.0	12,621.6	0.0
<b>Net withdrawals</b>	<b>263.6</b>	<b>3,791.2</b>	<b>259.3</b>	<b>9,044.4</b>	<b>153,758.1</b>	<b>35,291.7</b>
<b>Disposition</b>						
Field disposition and uses	263.6	0.0	0.0	1,058.6	3,539.2	1,780.9
Gathering system disposition and uses	0.0	20.6	0.0	433.7	3,635.6	0.0
Processing plant disposition and uses						
Processing and re-processing shrinkage	0.0	350.2	0.0	80.6	14,906.3	2,039.7
Other disposition and uses	0.0	0.0	0.0	95.4	4,928.5	918.1
Other uses	0.0	0.0	0.0	0.0	0.0	0.0
Adjustment	0.0	-181.1	0.0	31.6	-5,654.3	2,757.6
Deliveries of marketable gas to transport and distribution systems	0.0	3,539.5	259.3	7,344.5	132,402.8	27,795.4
<b>Total disposition</b>	<b>263.6</b>	<b>3,791.2</b>	<b>259.3</b>	<b>9,044.4</b>	<b>153,758.1</b>	<b>35,291.7</b>
<b>Gas utilities</b>						
<b>Supply</b>						
<b>Total marketable gas</b>	<b>0.0</b>	<b>3,539.5</b>	<b>259.3</b>	<b>7,344.5</b>	<b>132,402.8</b>	<b>27,795.4</b>
Receipts from distributor storage	0.0	0.0	0.0	443.5	16,618.8	1,241.0
Imports	0.0	0.0	0.0	0.0	0.0	0.0
Other receipts <sup>1</sup>	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total supply of marketable gas</b>	<b>0.0</b>	<b>3,539.5</b>	<b>259.3</b>	<b>7,788.0</b>	<b>149,021.6</b>	<b>29,036.4</b>
<b>Disposition</b>						
Utility sales (excluding direct sales)						
British Columbia	0.0	0.0	0.0	0.0	637.6	2,645.2
Alberta	0.0	0.0	0.0	0.0	17,679.5	5,855.1
Saskatchewan	0.0	0.0	0.0	1,538.2	0.0	0.0
Manitoba	0.0	0.0	0.0	0.0	1,122.3	0.0
Ontario	0.0	0.0	259.3	1,983.6	10,591.0	1,550.1
Quebec	0.0	0.0	0.0	0.0	3,987.4	0.0
New Brunswick	0.0	0.0	0.0	0.0	0.0	0.0
Northwest Territories	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total utility sales</b>	<b>0.0</b>	<b>0.0</b>	<b>259.3</b>	<b>3,521.8</b>	<b>34,017.8</b>	<b>10,050.4</b>
Exports	0.0	2,620.7	0.0	70.1	88,280.0	11,130.9
Direct sales <sup>2, 3</sup>	0.0	934.1	0.0	2,487.3	14,216.0	3,539.4
Delivered to distributor storage	0.0	0.0	0.0	878.1	5,007.0	1,845.1
Line pack fluctuation	0.0	-2.1	0.0	6.7	-82.5	4.2
Pipeline fuel	0.0	24.0	0.0	61.5	4,577.0	272.5
Pipeline losses and unaccounted volumes	0.0	-37.2	0.0	762.5	3,006.0	2,193.9
<b>Total disposition of marketable gas</b>	<b>0.0</b>	<b>3,539.5</b>	<b>259.3</b>	<b>7,788.0</b>	<b>149,021.6</b>	<b>29,036.4</b>

See footnotes at the end of the table.



Table 8-2 – continued

## Supply and disposition of natural gas, by source, Canada — 2006

	Yukon	Northwest Territories	Total Canadian sources	Total foreign sources	Total all sources
millions of cubic metres at 101.325 kPa and 15°C.					
<b>Field and processing plants</b>					
<b>Supply</b>					
Gross new production	152.8	279.8	220,431.6	0.0	220,431.6
Less field flared and waste	1.1	0.4	2,091.7	0.0	2,091.7
Net new production	151.7	279.4	218,339.9	0.0	218,339.9
Reproduced	0.0	0.0	0.0	0.0	0.0
Less injected and stored	0.0	0.0	15,500.5	0.0	15,500.5
<b>Net withdrawals</b>	<b>151.7</b>	<b>279.4</b>	<b>202,839.4</b>	<b>0.0</b>	<b>202,839.4</b>
<b>Disposition</b>					
Field disposition and uses	0.0	0.0	6,642.3	0.0	6,642.3
Gathering system disposition and uses	0.0	0.0	4,089.9	0.0	4,089.9
Processing plant disposition and uses					
Processing and re-processing shrinkage	25.7	11.0	17,413.5	0.0	17,413.5
Other disposition and uses	13.9	32.0	5,987.9	0.0	5,987.9
Other uses	0.0	0.0	0.0	0.0	0.0
Adjustment	0.0	0.0	-2,984.2	0.0	-2,984.2
Deliveries of marketable gas to transport and distribution systems	112.1	236.4	171,690.0	0.0	171,690.0
<b>Total disposition</b>	<b>151.7</b>	<b>279.4</b>	<b>202,839.4</b>	<b>0.0</b>	<b>202,839.4</b>
<b>Gas utilities</b>					
<b>Supply</b>					
<b>Total marketable gas</b>	<b>112.1</b>	<b>236.4</b>	<b>171,690.0</b>	<b>0.0</b>	<b>171,690.0</b>
Receipts from distributor storage	0.0	0.0	18,303.3	0.0	18,303.3
Imports	0.0	0.0	0.0	9,653.4	9,653.4
Other receipts <sup>1</sup>	0.0	0.0	0.0	0.0	0.0
<b>Total supply of marketable gas</b>	<b>112.1</b>	<b>236.4</b>	<b>189,993.3</b>	<b>9,653.4</b>	<b>199,646.7</b>
<b>Disposition</b>					
Utility sales (excluding direct sales)					
British Columbia	112.1	139.6	3,534.5	0.0	3,534.5
Alberta	0.0	0.0	23,534.6	0.0	23,534.6
Saskatchewan	0.0	0.0	1,538.2	0.0	1,538.2
Manitoba	0.0	0.0	1,122.3	0.0	1,122.3
Ontario	0.0	0.0	14,384.0	0.0	14,384.0
Quebec	0.0	0.0	3,987.4	0.0	3,987.4
New Brunswick	0.0	0.0	0.0	0.0	0.0
Northwest Territories	0.0	96.8	96.8	0.0	96.8
<b>Total utility sales</b>	<b>112.1</b>	<b>236.4</b>	<b>48,197.8</b>	<b>0.0</b>	<b>48,197.8</b>
Exports	0.0	0.0	102,101.7	0.0	102,101.7
Direct sales <sup>2, 3</sup>	0.0	0.0	21,176.8	0.0	21,176.8
Delivered to distributor storage	0.0	0.0	7,730.2	9,653.4	17,383.6
Line pack fluctuation	0.0	0.0	-73.4	0.0	-73.4
Pipeline fuel	0.0	0.0	4,935.0	0.0	4,935.0
Pipeline losses and unaccounted volumes	0.0	0.0	5,925.2	0.0	5,925.2
<b>Total disposition of marketable gas</b>	<b>112.1</b>	<b>236.4</b>	<b>189,993.3</b>	<b>9,653.4</b>	<b>199,646.7</b>

1. Liquefied petroleum gas for gas enrichment, peak shaving or temporary supply.

2. Direct deliveries for industrial consumption and miscellaneous utility deliveries.

3. Data presented for Alberta as direct sales are intended to represent direct sales volumes actually consumed in the provinces of Saskatchewan, Manitoba, Ontario, and Quebec. Spacing constraints within the table does not allow for the allocation by province.

**Note(s):** This table is not restricted to NAICS 211; it includes certain statistics of Gas Distribution (NAICS 2212) and of Pipeline Transport (NAICS 4862).

**Table 9**  
**Total sales of natural gas, by province**

	Gas Utility Sales <sup>1</sup>				Direct sales <sup>2</sup>	Total sales
	Residential	Commercial	Industrial	Total		
millions of cubic metres						
<b>2006</b>						
Nova Scotia	0.0	0.0	0.0	0.0	136.9	136.9
New Brunswick	0.0	0.0	0.0	0.0	2,620.8	2,620.8
Quebec	628.8	1,753.6	1,605.0	3,987.4	1,670.7	5,658.1
Ontario	8,230.9	5,263.0	890.2	14,384.1	10,870.3	25,254.4
Manitoba	460.3	612.6	49.5	1,122.5	847.3	1,969.8
Saskatchewan	844.6	678.0	15.5	1,538.1	3,890.1	5,428.2
Alberta	3,972.2	2,423.4	17,138.8	23,534.4	0.0	23,534.4
British Columbia	2,133.3	1,249.5	151.8	3,534.6	3,090.3	6,624.9
<b>Canada</b>	<b>16,270.2</b>	<b>11,980.0</b>	<b>19,850.8</b>	<b>48,101.1</b>	<b>21,302.8</b>	<b>69,403.9</b>
<b>2005</b>						
Nova Scotia	0.0	0.0	0.0	0.0	74.2	74.2
New Brunswick	0.0	0.0	0.0	0.0	664.6	664.6
Quebec	701.3	1,854.3	1,344.4	3,900.0	1,467.9	5,367.9
Ontario	8,905.1	5,637.4	914.8	15,457.3	11,252.6	26,709.9
Manitoba	506.4	647.4	50.8	1,204.6	870.9	2,075.5
Saskatchewan	899.9	699.5	8.1	1,607.5	3,849.2	5,456.7
Alberta	3,939.3	2,402.8	16,397.1	22,739.2	0.0	22,739.2
British Columbia	2,107.4	1,266.7	165.2	3,539.3	3,392.2	6,931.5
<b>Canada</b>	<b>17,059.4</b>	<b>12,508.1</b>	<b>18,880.4</b>	<b>48,447.9</b>	<b>21,571.6</b>	<b>70,019.5</b>

1. Represents sales of natural gas by natural gas utilities.

2. Represents direct, non-utility sales of natural gas.

**Table 10**  
**Reconciliation table – Saskatchewan value of crude oil production, 2006**

	Value
	thousands of dollars
Marketable production of Saskatchewan conventional crude oil – Table 5 <sup>1</sup>	7,888,521
Add: Value of sales of upgraded crude oil <sup>2</sup>	3,409,600
Total value of marketable production of Saskatchewan crude oil <sup>3</sup>	<b>11,298,121</b>

1. Represents value of marketable conventional crude oil as published by Saskatchewan Industry and Resources.

2. Represents estimate of value of sales of Saskatchewan upgraded crude oil.

3. Represents the value of Saskatchewan crude oil, including upgraded crude oil. This valuation is consistent with NAICS based industry statistics as published by the System of National Accounts, Input-Output Division.

## Data quality and methodology

---

This publication presents data on the Crude Petroleum and Natural Gas Industry (NAICS 211 of the North American Industry Classification System, catalogue no.12-501-X). This industry includes establishments primarily engaged in exploration for and/or production of petroleum or natural gas from wells or tar sands, and natural gas plants processing the natural gas. In this publication, the oil sands industry is excluded from the tables which present principal statistics and labour data. However, the operating and capital expenditures of the oil sands industry are shown in text table 1 and the synthetic crude produced is included in commodity tables 4, 5 and 6.

Data presented in this publication on the supply and disposition of crude oil and equivalents and natural gas are compiled from information provided by agencies or departments of the provinces and territories responsible for the regulation of crude oil and natural gas production. As a result, 100% of oil and natural gas production by conventional or other means, whether offshore or on land, is accounted for.

Data on operating and capital expenditures are compiled from an annual survey of approximately 500 companies engaged in oil and natural gas exploration, development and production. Companies with annual capital expenditures of less than \$50,000 are excluded from the survey. The response rate for the survey is very high — over 95%. As a consequence, minimal imputation is required and minimal bias resulting from non-response is introduced in these data.

Data on drilling completions and crude oil and natural gas reserves are obtained from the Canadian Association of Petroleum Producers (formerly Canadian Petroleum Association).

Data published in this publication are subject to a certain degree of error, be it in differences in the interpretation of the questions, or mistakes introduced during processing. Reasonable efforts are made to ensure these errors are kept within acceptable limits through careful questionnaire design, liaison with major respondents, editing of data for inconsistencies and subsequent follow-up and quality control of manual processing operations. Historically, experience has indicated that the data rarely contain a serious error.

## Concepts

---

Establishments in the crude petroleum and natural gas industry explore for and produce crude petroleum, natural gas, propane, butanes, ethane, and sulphur, either directly from the fields or from processing plants. That is, the establishment boundary includes within it the facilities of the processing plants, the oil and gas fields, geological and geophysical exploration, and head office functions supporting such activities, and any 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 anyone province. Refining and marketing activities of oil companies are not included in NAICS 211, but are coded to separate industries. It should also be carefully noted that the companies engaged in geological and geophysical consulting, or as contractors, are not included in the NAICS 211, Crude Petroleum and Natural Gas Industry.

In our statistical publications, expenditures of the industry are segregated between exploration, development, operating and royalties. The primary purpose of this publication is to make available operational type data, while the basic statistics on capital expenditures are published by the Investment and Capital Stock Division in **Private and Public Investment in Canada** (catalogue no. 61-205-X).

Producing activity is defined as activity in which capital and operating expenditures are made by the establishment for the purpose of producing crude petroleum and natural gas. This includes expenditures on gas processing and re-processing plants and production facilities.

Total activity includes the producing activity plus an extension of the data for other non-producing activities in which the establishment might be engaged. Generally speaking, these are the geological and geophysical activities plus capital additions produced by own labour force for own use and charged to Fixed Assets Accounts.

Periodically, Statistics Canada, undertakes a special survey of the exploration, and production activities of 25 major oil and gas companies operating in Canada. Detailed data are collected from these selected companies for each operating and capital function, breaking the expenditures down into salaries and wages, materials and supplies and payments to contractors. These breakdowns of expenditures are considered as representative of the industry, and the total expenditures collected from all respondents in the annual survey are broken down in the same proportion as indicated by the special survey.

# Definitions

---

## Production and expenditures

**Gross new production:** All new production 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 and field uses.

**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.

**Marketable production:** The production of gas, oil, propane, butanes, ethane and pentanes which are produced and available for market; in other words, the production of natural gas products produced by gas processing plants after processing and reprocessing plant uses, losses and shrinkage, the sales of natural gas from dry gas fields after field use, losses, reinjection or the production for sale of crude oil after field use and losses, reinjection but before inventory changes.

**Crude oil:** A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or is recoverable at a well from an underground reservoir and that is liquid at the conditions under which its volume is measured or estimated. It includes all other hydrocarbon mixtures so recovered or recoverable except raw gas or condensate.

**Conventional crude oil:** Crude oil recoverable from a well using standard production methods.

**Heavy crude oil:** Oil with high viscosity, recoverable only to a very limited extent by using standard production methods.

**Synthetic crude oil:** A mixture of mainly pentanes and heavier hydrocarbons that may contain sulphur compounds, that is derived from crude bitumen and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so derived.

**Crude bitumen:** A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well.

**Condensate:** A mixture of mainly pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recoverable at a well from an underground reservoir and that is gaseous in its virgin reservoir state but is liquid at the conditions under which its volume is measured or estimated.

**Pentanes plus:** A mixture of mainly pentanes and heavier hydrocarbons which ordinarily may contain some butanes and which is obtained from the processing of raw gas, condensate or crude oil.

**In-Situ recovery:** Refers to recovery methods applicable in heavy oil and oil sands formations without the removal of conglomerates from the location.

**Oil sands:** Deposits of sands and clays (excluding oil shales) heavily impregnated with semi-solid or solid bitumen, also known as tar sands. Athabasca, Peace River, Wabasca, Cold Lake and Buffalo Head Hills are the main Canadian resource areas.

**Natural gas:** A mix of hydrocarbon compounds and small quantities of various non-hydrocarbons existing in a gaseous phase or in solution with crude oil at reservoir conditions.

**Natural gas liquids (NGL):** That portion of reservoir gas which is liquefied at the surface in lease separators, field facilities, or gas processing plants. Includes ethane, propane, butanes and pentanes.

**Propane:** In addition to its normal scientific meaning, a mixture mainly of propane which ordinarily may contain some ethane or butanes.

**Butanes:** In addition to its normal scientific meaning, a mixture mainly of butanes which ordinarily may contain some propane or pentanes plus.

**Ethane:** In addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane.

**Upstream segment:** Activities and operations related to the search for, development, production, extraction and recovery of crude oil, natural gas, natural gas liquids and sulphur, as well as the production of synthetic oil.

**Downstream segment:** Includes refining and marketing, transportation and petrochemical operations.

**Geological and geophysical (G&G) expenses:** Costs associated with the undertaking of geological and geophysical studies, including salaries and supplies for geologists and geophysical crews as well as outlays for equipment and rights of access.

**Exploration costs:** Costs associated with the search for oil or natural gas deposits, including all lease fees and land acquisition costs, geological and geophysical expenditures, and exploratory drilling costs whether capitalized or expensed. Exploratory drilling is generally defined as the drilling of a well outside a proven area, or within a proven area but in a previously untested zone, to determine whether oil or gas reserves exist. Also included are costs of dry wells, casing and other materials and equipment abandoned in place.

**Production expenditures:** All spending related to the production of crude oil and natural gas, including expenditures on natural gas processing plants.

## Gas utilities

**Total marketable gas:** Receipt of gas from fields, processing or reprocessing plants after re-injection, field uses, processing plant or reprocessing plant shrinkage, plant use losses have been deducted.

**Imports:** Receipts of gas, by pipeline, into Canada.

**Other receipts:** Includes liquified petroleum gases for peak shaving and receipts from non-reporting companies.

**Exports:** Export of gas, by pipeline, to the United States.

**Direct sales:** Represents direct, non-utility delivery for consumption.

## Drilling completions

**New field wildcat:** A new field wildcat is a test located on a structural feature or other type of trap which has not previously produced oil or gas. In regions where local geological conditions have little or no control over accumulations, these tests are generally at least three kilometres from the nearest productive area. Distance, however, is not the determining factor. Of greater importance is the degree of risk assumed by the operator, and his intention to test a structure or stratigraphic condition not previously proved productive.

**New pool wildcat:** A new pool wildcat is a test located to explore for a new pool on a structural feature of other type of trap already producing oil or gas, but outside the known limits of the presently producing area. In some regions where local geological conditions exert an almost negligible control, exploratory holes of this type may be called "near wildcats". Such wells will usually be less than three kilometres from the nearest productive area.

**Deeper pool test:** A deeper pool test is an exploratory hole located within the productive area of a pool, or pools, already partly or wholly developed. It is drilled below the deepest productive pool in order to explore for deeper unknown prospects. All metres drilled are assigned to the exploratory category. This practise was adopted commencing with the 1979 data. Previously, metres drilled were split between the exploratory and development category.

**Shallower pool test:** A shallower pool test is an exploratory test drilled in search of a new productive reservoir, unknown but possibly suspected from data secured from other wells, and shallower than known productive pools. This test is located within the productive area of a pool or pools previously developed.

**Outposts:** An outpost is a test located and drilled with the expectation of extending for a considerable distance the productive area of a partly developed pool. It is usually two or more locations distant from the nearest productive site.

**Development well:** A development well is a well drilled within the proved area of an oil or gas reservoir to the depth of a stratigraphic horizon known to be productive. If the well is completed for production, it is classified as an oil or gas development well. If the well is not completed for production and is abandoned, it is classified as a dry development hole.

**Stratigraphic test:** A stratigraphic test is a drilling effort, geologically directed, to obtain information pertaining to a specific geological condition that might lead toward the discovery of an accumulation of hydrocarbons. Such tests are customarily drilled without the intention of being completed for hydrocarbon production. This classification also includes tests identified as score tests and all types of expendable holes related to hydrocarbon exploration.

**Service well:** A service well is a well drilled or completed for the purpose of supporting production in an existing field. Wells of this class are drilled for the following specific purposes: Gas injection (natural gas, propane, butane), water injection, air injection, steam injection, salt water disposal, water supply for injection, observation, injection for in situ combustion.

**Miscellaneous wells:** This classification includes storage wells (natural gas, propane, butane), salt brine wells and other wells not classified under categories above.

**Project wells:** A project well is a well drilled within a designated oil sands area or like deposit for the purpose of producing raw bitumen from the deposit. Such wells may be drilled for pilot, experimental or commercial projects.

## Reserves

**Established reserves:** Those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing or production, plus that judgement portion of contiguous recoverable reserves that are interpreted to exist, from geological, geophysical or similar information, with reasonable certainty.

## Value added

By production activities: Is defined as the value of marketable production less materials and supplies purchased and fuel and electricity consumed in the production of hydrocarbons and sulphur.

## Components of value added — Producing activity

**Electricity:** Data refer 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.

**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 6 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 and depreciation 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 purchased and used. 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 and other general supplies and materials used.

**Employment, person-hours, salaries and wages:** Employees include salaried management, professional, technical and administrative personnel, plus production, field, plant and related workers, and relate both to 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 and statutory holidays). 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.