

Oil and natural gas extraction data

Richard Heede
 Climate Mitigation Services
 File started: 11 January 2005
 Last modified: February 2020

Copyright Climate Accountability Institute

Encana, Canada

www.encana.com Alberta

yellow column indicates original reported units Investor-owned

Production / Extraction data

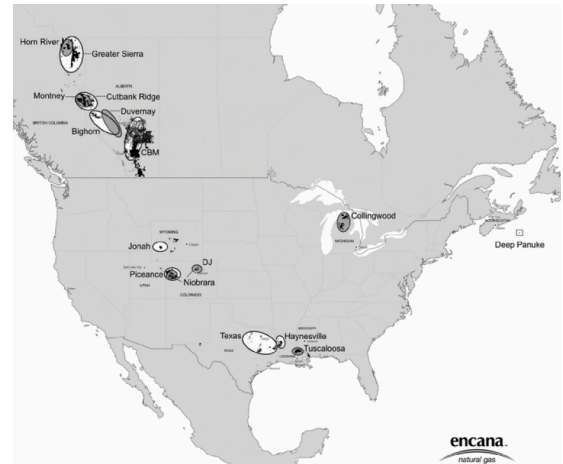
Year	Crude Oil & NGL					Natural Gas				
	Company 1	Sum production	Company 1	Company 2	Sum production	Company 1	Sum production	Company 1	Company 2	Sum production
	Thousand bbl /d	Thousand bbl /d	Million bbl /yr	Million bbl /yr	Million bbl /yr	Million cf/d	Million cf/d	Billion cf/yr	Billion cf/yr	Billion cf/yr
			Alberta Energy tk-2001, EnCana 2002-2008	PanCanadian Petroleum tk-2001	Sum			Alberta Energy tk-2001, EnCana 2002-2008	PanCanadian Petroleum tk-2001	Sum

Rebranded as Ovintiv (OVV) as of January 2010

Production Volumes and Realized Prices

	Production Volumes (1)		
	2018	2017	2016
Oil (Mbbbl/d, \$/bbl)			
Canadian Operations	0.4	0.4	2.0
USA Operations	89.5	75.9	71.7
Total	89.9	76.3	73.7
NGLs – Plant Condensate (Mbbbl/d, \$/bbl)			
Canadian Operations	35.2	23.1	17.6
USA Operations	3.8	3.2	2.7
Total	39.0	26.3	20.3
NGLs – Other (Mbbbl/d, \$/bbl)			
Canadian Operations	14.0	6.0	7.6
USA Operations	25.2	20.5	20.5
Total	39.2	26.5	28.1
Total NGLs (Mbbbl/d, \$/bbl)			
Canadian Operations	49.2	29.1	25.2
USA Operations	29.0	23.7	23.2
Total	78.2	52.8	48.4
Total Oil & NGLs (Mbbbl/d, \$/bbl)			
Canadian Operations	49.6	29.5	27.2
USA Operations	118.5	99.6	94.9
Total	168.1	129.1	122.1
Natural Gas (MMcf/d, \$/Mcf)			
Canadian Operations	1,007	838	966
USA Operations	151	266	417
Total	1,158	1,104	1,383
Total Production (MBOE/d, \$/BOE)			
Canadian Operations	217.5	169.1	188.2
USA Operations	143.7	144.1	164.5
Total	361.2	313.2	352.7

Encana Annual Report & 10-K, page 6.



Alberta Energy PanCanadian

Year	Alberta Energy			PanCanadian			OGJ100		OGJ100		Total
	OGJ100	OGJ100	OGJ100	OGJ100	OGJ100	OGJ100	OGJ100	OGJ100	OGJ100		
1987	1.8	21.8	23.6	85.0	125.0	210					
1988	2.4	26.5	28.9	102.2	149.0	251					
1989	2.3	28.8	31.1	99.3	141.0	240					
1990	8.2	30.8	39.0	99.3	134.0	233					
1991	8.4	31.8	40.2	99.6	135.0	235					
1992	9.4	37.5	46.9	110.0	176.0	286					
1993	11.3	45.3	56.6	121.0	205.1	326					
1994	13.4	50.1	63.5	128.5	220.0	349					
1995	15.4	55.3	70.7	116.8	260.2	377					
1996	20.5	56.7	77.2	188.0	262.4	450					
1997	21.4	51.1	72.5	214.0	272.0	486					
1998	22.0	56.7	78.7	259.0	262.4	521					
1999	35.0	51.1	86.1	330.0	272.0	602					
2000	43.2	45.2	88.4	392.0	343.1	735					
2001	250	49.5	94.1	482.9	346.1	829					
2002	250	96.0	96.0	926.0	Merger / Acquis	926					
2003		82.5	82.5	926.0		926					
2004	Encana Ann Rpt	83.2	83.2	1,094.3		1,094					
2005	thousand bbl /d	83.8	83.8	1,177.9		1,178					
2006	million bbl /yr	148	61.8	61.8	3,439	1,255	1,229				
2007		134	49	49.0	3,566	1,302	1,302				
2008		48.7	48.7	48.7		1,400.9	1,401				
2009	27	Encana Ann Rpt	27.2	9.9	2,840	Encana Ann Rpt	1,096.1	1,037			
2010	23		22.8	8.3	3,184		1,212.2	1,162			
2011	24			8.8	3,400		1,413.0	1,241			
2012	31			11.3	2,981		1,236.0	1,088			
2013	54			19.7	2,777		1,013.6	1,014			
2014	87	Encana AnnRpt	31.7	31.7	2,350		857.8	858			
2015	133	Encana AnnRpt	48.7	48.7	1,635			597			
2016	73.7	48.4	Encana 10-K	44.6	1,383	Encana 10-K		505			
2017	76.3	52.8	Encana 10-K	47.1	1,104	Encana 10-K		403			
2018	89.9	78.2	Encana 10-K	61.4	1,158	Encana 10-K		423			
Total	na	na	819	633	1,694	na	na	17,712	3,303	22,513	

Rebrand as Ovintiv Jan20

Cell: H9**Comment:** Rick Heede:

Encana's history touches on some of the most significant political and economic events in Canada and the world in the last 125 years: continental migration in the 1880s, the energy crisis of the 1970s, and the emergence of unconventional energy resources at the turn of the 21st century. Created through the merger of PanCanadian Energy Corporation and Alberta Energy Company Ltd. in 2002, our predecessor companies' roots go back as far as some of the world's oldest petroleum companies. encana.com/about/history/

Encana Corporation is a North American energy producer of natural gas, oil and natural gas liquids (NGLs). Encana's other operations include the transportation and marketing of natural gas, oil and NGLs. All of Encana's reserves and production are located in North America. The company's average production at year end 2011 was 3.3 billion cubic feet per day of natural gas and 24,000 barrels per day of oil and natural gas liquids. The corporate headquarters are in Calgary, Alberta. In Canada, Encana has onshore operations in Alberta, northeast British Columbia and an offshore development off the coast of Nova Scotia. In the United States, Encana's subsidiary operates in Colorado, Wyoming, Texas, and Louisiana. On November 30, 2009, Encana split into two independent companies focused on distinct businesses. The unconventional natural gas company retained the name Encana and the integrated oil company is called Cenovus Energy. Wikipedia.

Cell: D68**Comment:** Rick Heede:

Oil and gas production data from Energy Intelligence (2003) Top 100: Ranking the World's Oil Companies, p. 138.

Cell: F71**Comment:** Rick Heede:

Oil & Gas Journal OJG100 reports 260.3 million bbl in 2004; clearly an error. CMS instead interpolates between 2003 and 2005.

Cell: D73**Comment:** Rick Heede (Dec09):

Encana Annual Rpt 2007. Crude oil production, net after royalties. 2006 prod'n includes 11 kbbl /day from Equador, since discontinued.

Cell: J73**Comment:** Rick Heede (Dec09):

Encana Annual Rpt 2007.

Cell: E76**Comment:** Rick Heede:

Encana AR 2010 pg 127 shows Canadian and US liquids production in Kbbl per day for 2009-2010, this gives very low annual liquids production compared to OJG 100.

Cell: D78**Comment:** Rick Heede:

On this worksheet we report extractive data for each company or state-owned enterprise. Three columns under crude oil and natural gas allow for data reported in one of three formats (e.g., thousand barrels per day, or million barrels per year, or million tonnes per year). Coal is normally reported in U.S. or metric tonnes per year.

Note: the carbon content of the extracted resources is adjusted by a number of factors before emissions estimates are made in the worksheet 1 to the left. Most important is the subtraction of the fraction typically sequestered in petrochemicals and other non-combusted uses such as road oils, waxes, lubricants, greases, etc. See the comment for each extracted resource for detailed discussions of the combusted vs sequestered fractions.

Cell: D79**Comment:** Rick Heede:

On this worksheet we report extractive data for each company or state-owned enterprise. Three columns under crude oil and natural gas allow for data reported in one of three formats (e.g., thousand barrels per day, or million barrels per year, or million tonnes per year). Coal is normally reported in U.S. or metric tonnes per year.

Note: the carbon content of the extracted resources is adjusted by a number of factors before emissions estimates are made in the worksheet 1 to the left. Most important is the subtraction of the fraction typically sequestered in petrochemicals and other non-combusted uses such as road oils, waxes, lubricants, greases, etc. See the comment for each extracted resource for detailed discussions of the combusted vs sequestered fractions.

Cell: D81**Comment:** Rick Heede:

Encana Annual Report 2015, page 5. Canadian operations 28.4 kbbl /day plus USA operations 105 kbbl /day in 2015.

Cell: J81**Comment:** Rick Heede:

Encana Annual Report 2015, page 5.

Cell: D83**Comment:** Rick Heede:

Encana 10-K 2018, page 49: Production data fro 2016, 2017, and 2018, in kbpd. 2018 total oil: 89.9 kbpd; NGL 78.2 kbpd.

Cell: J83**Comment:** Rick Heede:

Encana Annual report 2017, natural gas production 2016-2017, in Mcf per day.

Cell: J85**Comment:** Rick Heede:

Encana 10-K 2018, page 49: Production data fro 2016, 2017, and 2018, in Mcfpd. 2018 total Natural Gas: 1,158 Mcfpd. Gas chiefly in Canada, oil and NGL chiefly in USA.

Cell: P85**Comment:** Rick Heede:

Encana shareholders approved move to US and rebrand as Ovintiv. Begin trading NYSE 27Jan20. "Encana Completes Reorganization and Establishes Corporate Domicile in the U.S." www.ovintiv.com; HQ moved to Denver, maintains operational offices in Calgary and Woodlands TX.