

Year	Crude Oil & NGL			Natural Gas				
	Net production Thousand bbl /d	Net production Million bbl /yr	Net production Million tonnes/yr	Net production Million cf/d	Net production Million SCM/d	Net production Billion cf/yr	Million tons/yr	Million tonnes/yr
1950								
1951								
1952								
1953								
1954								
1955								
1956								
1957								
1958								
1959								
1960								
1961								
1962								
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1986								
1987								
1988								
1989								
1990								
1991								
1992								
1993								
1994								
1995	0.5		1		6.9	7		
1996	1.1		1		25.1	25		
1997	1.4		1		51.7	52		
1998	2.8		3		62.0	62		
1999	6.0		6		94.4	94		
2000	4.1		4		108.6	109		
2001	3.1		3		115.8	116		
2002	2.9		3		144.2	144		
2003	3.5		3		160.7	161		
2004	4.7		5		240.4	240		
2005	6.8		7		322.0	322		
2006	7.7		8		422.4	422		
2007	8.7		9		526.5	526		
2008	9.9		10		655.0	655		
2009	11.2		11		775.4	775		
2010	11.8		12		834.8	835		
2011	18.4		18		924.9	925		
2012	17.0	15.0	32		1,004.1	1,004		
2013	31.0	18.0	49		1,129.0	1,129		
2014	41.0	21.0	62		1,095.0	1,095		
2015	42.0	33.0	75		1,095.0	1,095		
2016	42.0	28.0	70		1,070.0	1,070		
2017	91.0	67.0	58	2,867		1,046		
2018	90.0	57.0	54	2,406		878		
2018	90.0	52.0	52	2,278		831		
<b>Total</b>	na	na	556	na	na	13,620	-	-

# Oil & natural gas extraction data

Richard Heede  
 Climate Accountability Institute  
 File started: 11 January 2005  
 Last modified: May 2019

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## Chesapeake Energy Corporation

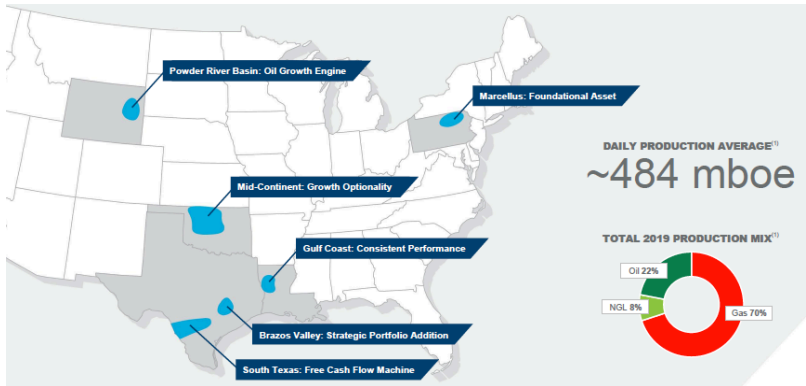
yellow column indicates original reported units

### Production / Extraction data

Year	Crude Oil & NGL			Natural Gas				
	Net production Thousand bbl /d	Net production Million bbl /yr	Net production Million tonnes/yr	Net production Million cf/d	Net production Million SCM/d	Net production Billion cf/yr	Million tons/yr	Million tonnes/yr

- 1950
- 1951
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- 2014
- 2015
- 2016
- 2017
- 2018

Chesapeake Energy began operations in 1989



Operational areas Chesapeake Annual Meeting, slide 9.

Oil NGL  
 k bbl per day k bbl per day  
 except 2016-2018 thousand bbl /day.



Results of Operations

Chesapeake Form 10-K for 2018, page 47.

	2018									
	Oil		Natural Gas		NGL		Total			
	mbl per day	\$/bbl	mmcf per day	\$/mcf	mbbl per day	\$/bbl	mboe per day	%	\$/boe	
Marcellus	—	—	828	3.06	—	—	138	26	18.38	
Haynesville	—	—	789	2.90	—	—	131	25	17.43	
Eagle Ford	60	69.01	137	3.46	20	25.57	103	20	49.93	
Powder River Basin	11	63.38	64	2.91	4	26.83	25	5	38.20	
Mid-Continent	9	63.93	64	2.76	5	26.43	25	5	36.23	
Retained assets <sup>(a)</sup>	80	67.67	1,882	3.01	29	25.88	422	81	27.98	
Divested assets <sup>(b)</sup>	10	63.72	396	2.90	23	27.26	99	19	24.26	
<b>Total</b>	<b>90</b>	<b>67.25</b>	<b>2,278</b>	<b>2.99</b>	<b>52</b>	<b>26.50</b>	<b>521</b>	<b>100%</b>	<b>27.27</b>	

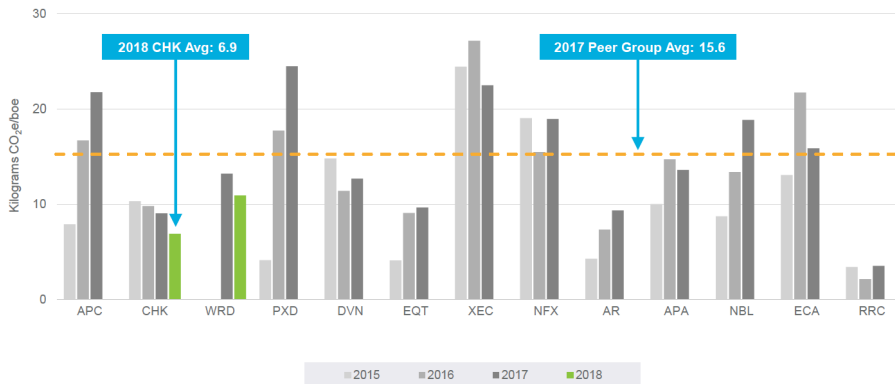
Chesapeake Energy SEC Form 10-K for 2010, page 37.

	Years Ended December 31,		
	2010	2009	2008
<b>Net Production:</b>			
Natural gas (bcf)	924.9	834.8	775.4
Oil (mmbbl) <sup>(a)</sup>	18.4	11.8	11.2
Natural gas equivalent (bcfe)	1,035.2	905.5	842.7

Chesapeake Energy SEC Form 10-K for 2001, page 5.

	YEARS ENDED DECEMBER 31,								
	1999			2000			2001		
	U. S.	CANADA	COMBINED	U. S.	CANADA	COMBINED	U. S.	CANADA	COMBINED
<S>	<C>	<C>	<C>	<C>	<C>	<C>	<C>	<C>	<C>
<b>NET PRODUCTION:</b>									
Oil (mmbbl) .....	4,147	—	4,147	3,068	—	3,068	2,880	—	2,880
Gas (mmcf) .....	96,873	11,737	108,610	103,694	12,077	115,771	135,096	9,075	144,171
Gas equivalent (mmcfe) .....	121,755	11,737	133,492	122,102	12,077	134,179	152,376	9,075	161,451

Peer company GHG emissions intensity, 2015-2018 Chesapeake Annual Meeting, slide 20.



**Cell:** M11**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 short tons or metric tonnes per year. The subtraction of the fraction typically sequestered in petrochemicals and other non-combusted uses such as road oils, waxes, lubricants, greases, etc. Non-fuel uses are accounted for in the emission factors and applied to each entity in the oil, gas, and coal summary worksheets.

**Cell:** F12**Comment:** Rick Heede:

Total net worldwide crude oil plus natural gas liquids produced by each company or state-owned enterprise. Where data is available, we list net production (after royalty production is deducted). We rely on company annual reports, Form 10-k, or other company data where available. In some cases -- particularly for state-owned oil and gas companies -- we use production data from the Oil & Gas Journal in its OGJ150 and OGJ100. Crude production includes natural gas liquids (NGL) unless noted.

**Cell:** J12**Comment:** Rick Heede:

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil. Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide"). "SCM/d" = standard cubic meters per day. "cf/d" = cubic feet per day. Net production typically excludes a number of diverted gas streams. Quantities and fractions vary; ExxonMobil's exclusions are typical of the industry: "Net production available for sale quantities are the volumes withdrawn from ... natural gas reserves, excluding royalties and volumes due to others when produced, and excluding gas purchased from others, gas consumed in producing operations, field processing plant losses, volumes used for gas lift, gas injections and cycling operations, quantities flared, and volume shrinkage due to the removal of condensate or natural gas liquids production." ExxonMobil Corporation (2004) 2003 Financial and Operating Review, www.exxonmobil.com, p. 55.

**Cell:** D61**Comment:** Rick Heede:

Chesapeake Energy SEC Form 10-K for 1996, page 7; reports gas and oil production in Bcf and Mb, respectively. This 10-K is CHK's earliest Form 10-K available at SEC / EDGAR.

**Cell:** I61**Comment:** Rick Heede:

Chesapeake Energy SEC Form 10-K for 1996, page 7; reports gas and oil production in Bcf and Mb, respectively. This 10-K is CHK's earliest Form 10-K available at SEC / EDGAR.

**Cell:** I63**Comment:** Rick Heede:

Chesapeake Energy SEC Form 10-K for 1998, page 3. Production for 1996-1998 reported in million cubic feet.

**Cell:** D66**Comment:** Rick Heede:

Chesapeake Energy SEC Form 10-K for 2001, page 5. Production reported in million bbl for 1999-2001.

**Cell:** I66**Comment:** Rick Heede:

Chesapeake Energy SEC Form 10-K for 2001, page 5. Production reported in million cubic feet for 1999-2001. Page 2: "Chesapeake began operations in 1989 and completed its initial public offering in 1993. At the end of 2001, we owned interests in approximately 8,700 producing oil and gas wells. Our primary operating area is the Mid-Continent region of the United States, which includes Oklahoma, western Arkansas, southwestern Kansas and the Texas Panhandle. Other operating areas include the Deep Giddings field in Texas, a portion of the Permian Basin region of southeastern New Mexico and a portion of the Williston Basin located in eastern Montana and western North Dakota."

**Cell:** D69**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2004, page 7; Oil production 2002-2004, in Mb per year.

**Cell:** I69**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2004, page 7; gas production 2002-2004, in Bcf.

**Cell:** D72**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2007, page 31; Oil production (no mention of NGL, probably combined for 2005-2007), in Mb per year.

**Cell:** I72**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2007, page 31; Natural gas production 2005-2007, in Bcf per year.

**Cell:** D75**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2010, page 34; Oil production (no mention of NGL, probably combined), in Mb per year.

**Cell:** I75**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2010, page 34; Natural gas production 2008-2010, in Bcf per year.

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

Chesapeake Energy Corp Form 10-K for 2013, page 37; Oil and NGL production 2011-2013, in Mb per year.

**Cell:** I78**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2013, page 37; Natural gas production 2011-2013, in Bcf per year.

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

Chesapeake Energy Corp Form 10-K for 2016, page 40; Oil & NGL production 2014-2015, in million bbl per year, Mb.

**Cell:** I81**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2016, page 40; Natural gas production 2014-2015, in Bcf per year.

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

Chesapeake Energy Corp Form 10-K for 2018, page 47; Natural gas production 2016-2018, in thousand bbl per day. Crude and NGL production chiefly Eagle Ford.

**Cell:** H83

**Comment:** Rick Heede:

Chesapeake Energy Corp Form 10-K for 2018, page 47; Natural gas production 2016-2018, in million cf per day. Chiefly Marcellus and Hainesville and Eagle Ford.