

Oil & natural gas extraction data

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 Climate Mitigation Services
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Husky Energy, Canada

yellow column indicates original reported units

http://huskyenergy.com Calgary

Production / Extraction data

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

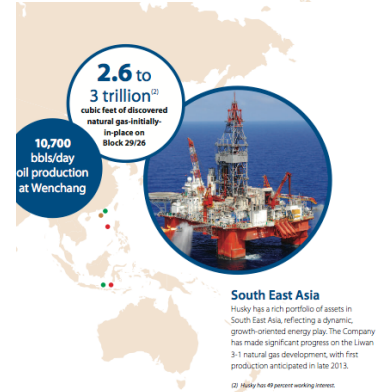
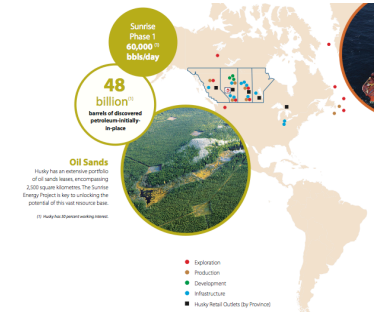
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Average Gross Daily Production ⁽¹⁾	Year Ended Dec 31, 2018
Canada - Western Canada	
Light and Medium Crude Oil (mbbls/day)	9.4
Heavy Crude Oil (mbbls/day)	36.8
Bitumen (mbbls/day)	124.2
Conventional Natural Gas (mmcf/day)	291.0
NGL (mbbls/day)	12.0
Canada - Atlantic	
Light and Medium Crude Oil (mbbls/day)	21.4
China - Asia Pacific⁽²⁾	
Conventional Natural Gas (mmcf/day)	184.8
NGL (mbbls/day)	8.4
Indonesia - Asia Pacific⁽³⁾	
Conventional Natural Gas (mmcf/day)	31.2
NGL (mbbls/day)	2.5
Total Gross Production (mboe/day)	299.2

Husky Energy Form 40-F 2018, page 23

Year	OGJ100	OGJ	OGJ100	OGJ
1988	18.3	OGJ	43.8	OGJ
1989	20.1	OGJ	85.8	OGJ
1990	17.5	OGJ	76.4	OGJ
1991	15.9	OGJ	82.0	OGJ
1992	17.2	OGJ	92.2	OGJ
1993	18.7	OGJ	89.8	OGJ
1994	20.4	OGJ	90.6	OGJ
1995	21.0	OGJ	104.5	OGJ
1996	23.0	OGJ	98.1	OGJ
1997	25.4	OGJ	89.8	OGJ
1998	25.4	OGJ	84.9	OGJ
1999	25.4	OGJ	89.8	OGJ
2000	42.9	OGJ	131.0	OGJ
2001	177.4	Husky annrpt	209.0	Husky annrpt
2002	205.3	Husky annrpt	207.8	Husky annrpt
2003	210.7	Husky annrpt	222.9	Husky annrpt
2004		OGJ	251.6	OGJ
2005		OGJ	248.2	OGJ
2006		OGJ	245.4	OGJ
2007	272.7	Husky annrpt	227.5	Husky annrpt
2008	256.8	Husky annrpt	217.0	Husky annrpt
2009	216.2	Husky annrpt	197.7	Husky annrpt
2010	202.6	Husky annrpt	185.0	Husky annrpt
2011	211.3	Husky annrpt	221.6	Husky annrpt
2012	209.2	Husky annrpt	202.2	Husky annrpt
2013	226.5	Husky annrpt	187.1	Husky annrpt
2014	236.6	Husky AnnRpt 2015	226.7	Husky AnnRpt 2015
2015	230.9	Husky AnnRpt 2015	251.5	Husky AnnRpt 2015
2016	228.6	Husky AnnRpt 2017	202.9	Husky AnnRpt 2017
2017	233.0	Husky AnnRpt 2017	196.8	Husky AnnRpt 2017
2018	214.7	Husky 40-F 2018	185.1	Husky 40-F 2018
Total	na	1,748	na	5,044



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Year ended December 31	2018	2017
Operations		
Daily production, before royalties		
Total equivalent production (mboe/day)	299.2	322.9
Crude oil & natural gas liquids (mbbls/day)	214.7	233.0
Natural gas (mmcf/day)	507.0	539.1
Total proved reserves, before royalties (mmboe) ⁽⁷⁾	1,471	1,301
U.S. refinery net throughput (mbbls/day) ⁽⁸⁾	233.9	254.3
Canadian refining and upgrading throughput (mbbls/day)	113.4	106.5

Husky Energy Annual Report 2018, page 1.

Daily Gross Production	2013	2012
Crude oil and NGL (mbbls/day)		
Western Canada		
Light crude oil & NGL	29.7	30.1
Medium crude oil	23.2	24.1
Heavy crude oil	74.5	76.9
Bitumen ⁽⁹⁾	47.7	35.9
	175.1	167.0
Atlantic Region		
White Rose and Satellite Fields – light crude oil	39.3	30.8
Terra Nova – light crude oil	4.8	3.0
	44.1	33.8
China		
Wenchang – light crude oil & NGL	7.3	8.4
Crude oil (mbbls/day)	226.5	209.2
Natural gas (mmcf/day)	512.7	554.0
Total (mboe/day)	312.0	301.5

Operational Highlights

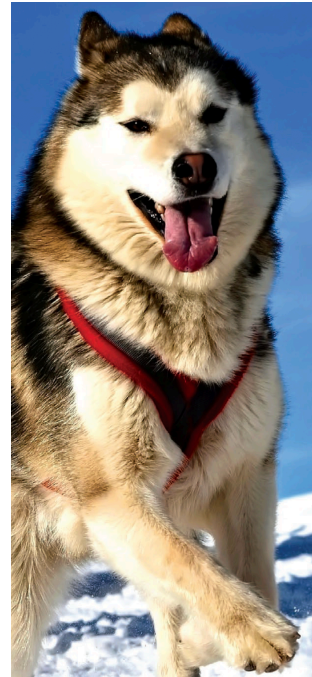
Year ended December 31	2015	2014
Daily production, before royalties		
Light and medium crude (mbbls/day)	80.5	91.2
NGL (mbbls/day)	18.2	14.0
Heavy crude oil and bitumen (mbbls/day)	132.2	131.4
Total crude oil & NGL (mbbls/day)	230.9	236.6
Natural gas (mmcf/day)	689.0	621.0
Total (mboe/day)	345.7	340.1
Total proved reserves, before royalties (mmboe) ⁽⁷⁾	1,324	1,279

Husky AnnRpt 2013, page 28.

Daily Gross Production

Daily Gross Production	2018	2017
Crude oil and NGL (mbbls/day)		
Western Canada		
Light and Medium crude oil	9.4	12.1
NGL	12.0	10.5
Heavy crude oil	36.8	44.4
Bitumen ⁽⁷⁾	124.2	119.1
	182.4	186.1
Atlantic		
White Rose and Satellite Fields – light crude oil	17.4	30.0
Terra Nova – light crude oil	4.0	4.0
	21.4	34.0
Asia Pacific		
Wenchang – light crude oil	—	5.3
Liwan and Wenchang – NGL ⁽²⁾	8.4	7.0
Madura – NGL ⁽³⁾	2.5	0.6
	10.9	12.9
	214.7	233.0
Natural gas (mmcf/day)		
Western Canada	291.0	378.2
Asia Pacific		
Liwan ⁽²⁾	184.8	152.9
Madura ⁽³⁾	31.2	8.0
	216.0	160.9
	507.0	539.1
Total (mboe/day)	299.2	322.9

Husky Energy Annual Report 2018, page 31.



Cell: I9**Comment:** Rick Heede:

Husky got its start as the Husky Refining Company in Cody Wyoming in 1938, moving to Lloydminster Alberta in 1946; its first common shares were issued in Canada in 1949 (and in the US in 1952). The company's experience refining Canadian heavy oils were expanded in 1973 with exploration of the oil sands in Athabasca. It acquired Canterra Energy in 1989, and Norcen's interests in the White Rose and Terra Nova fields in 1995/ "Husky and China National Petroleum Corporation (CNPC) signed a memorandum of understanding and entered into a joint venture incremental production project (EOR) in China" in 1996. "Husky purchased East Coast properties from Talisman Energy Inc. and Gulf Canada Resources Ltd" in 1998, and in 2000 "The Company signed an agreement with China National Offshore Oil Corporation (CNOOC) to jointly develop the Wenchang oil field in China." In 2003 "Husky acquired Marathon Canada Limited and the Western Canadian assets of U.S.-based Marathon Oil." "Husky made a significant natural gas discovery at Liwan in the South China Sea." in 2006. "Husky joint ventured with CNOOC to develop the Madura BD gas field" in 2008. IN 2009 "Husky announced an agreement to purchase Penn West heavy oil properties. The asset acquisition provided Husky with more than 6,000 barrels of oil production per day, 12 million barrels of oil proven reserves and 8.5 million barrels of oil probable reserves." In 2009: The Company signed an \$860 million purchase and sales agreement to acquire oil and natural gas properties in Alberta and northeast British Columbia. The acquisition provides Husky with approximately 16,300 boe per day of natural gas production, 4,800 barrels per day of oil production and 800 barrels per day of natural gas liquids (NGL) production for a total of 21,900 boe per day. Husky signed a purchase agreement to acquire natural gas properties in west central Alberta, which significantly added to the Company's production and reserves and extended the optimum utilization of its Ram River Gas Plant. The acquisition provided Husky with more than 65 million cubic feet per day (mmcf/d) of natural gas production or 10.8 thousand barrels of oil equivalent per day (mmboe). In addition, the acquisition contributed 37 mmboe of proven reserves and 11.7 mmboe probable reserves. Phase 1 of the Sunrise Energy Project is sanctioned for development. The project is estimated to contain more than 3.7 billion barrels of proved, probable and possible reserves. Husky announced the retention of its South East Asia assets, reinforcing the Company's commitment to build a material business in the resource-rich region. www.huskyenergy.com/about/husky/history.asp

Cell: D12**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 gross production (before royalty production is netted out). More often, however, oil companies report production net of royalty production. Crude production includes natural gas liquids (NGL) unless noted.

Cell: H12**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.

Cell: E55**Comment:** Rick Heede:

Oil & Gas Journal OGJ150, various years.

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

Husky Energy (2004) Annual Report 2003, www.huskyenergy.ca for natural gas and oil (~45 percent heavy crude oil). Stats in Energy Intelligence Top 100 for 2002, however, differ dramatically for both oil and gas. EI has oil production in 2001 at 155 kbb/d and gas at 417 million cf/d (vs Husky.ca at 572.6).

Cell: D76**Comment:** Rick Heede:

Husky Annual Report 2010, Highlights page 1. Total crude oil and NGL (before royalties) 202.6 k bbl per day in 2010, and 216.2 k bbl per day in 2009. Net production is not shown.

Cell: H76**Comment:** Rick Heede:

AR 2010 pdf pg 16 production values

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

Husky AnnRpts 2012 and 2013, Operational Highlights, daily production, before royalties (no data on production after royalties)

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

Husky Energy Annual Report 2017, page 1: Operational Highlights, Daily Production, before royalties, 2016-2017, crude oil & NGLs, and Natural Gas. 2015 details: light and medium crude (80.5 kbpd), NGL (18.2 kbpd), Heavy crude oil and bitumen (132.2 kbpd).

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

Husky Energy Annual Report 2017, page 1: Operational Highlights, Daily Production, before royalties, 2016-2017, crude oil & NGLs, and natural Gas. No details (see 2015 report.) Total liquids, 2016: 83.4 Mb. Compare OGJ100 (Sep17): 48 Mb.

Cell: D85**Comment:** Rick Heede:

Husky Energy Form 40-F 2018. page 23, gross daily production of light, medium, heavy crude, NGLs, bitumen, and natural gas.

Cell: H85**Comment:** Rick Heede:

Husky Energy Form 40-F 2018. page 23, gross daily production of natural gas.

Cell: O178**Comment:** Rick Heede:

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Cell: P178**Comment:** Rick Heede:

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