



## SECTION 3

**Oil data: upstream**



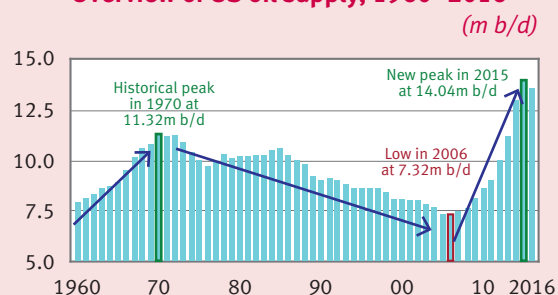
## A review of historical US crude oil production and liquid oil supply

Oil production in the US has a very long tradition going back to the early 19th century. As the Annual Statistical Bulletin provides oil supply data starting with the year 1960, this brief review focuses on the last 56 years.

One can distinguish between three phases of oil liquid supply (covering the production of crude oil, natural gas liquids and non-conventional oils such as biofuels) in the US (see the figure on the right). These phases are:

- Continuous production increase, a trend that started already far before the period under consideration, with its peak in the year 1970.
- Four decades of oil supply decline of more than 100,000 b/d on average annually.
- Sharp supply gains (of 750,000 b/d on average annually) following rapid developments in production from shale formations from 2006 onwards.

### Overview of US oil supply, 1960–2016



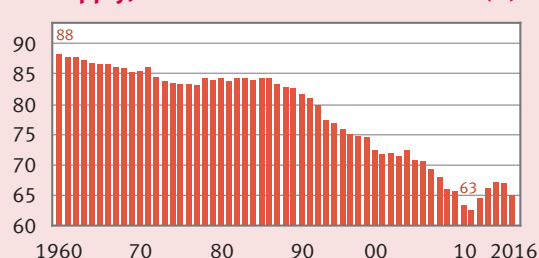
### Coefficient of simple linear regression model<sup>1</sup> (b/d)

1970–2006	-102,000
2006–2016	749,000

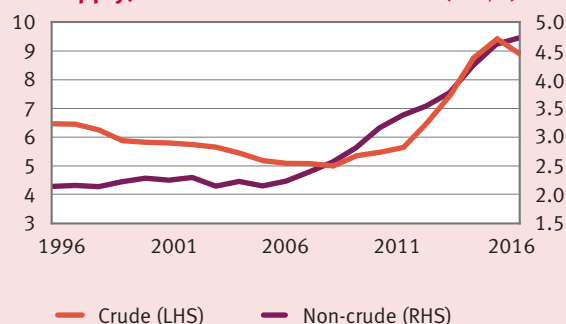
1. Slope coefficient of simple linear regression model with US supply as a dependent variable and the year as an independent variable.

In this regard, it is worth addressing the role of crude oil and the changes in the composition of oil supply over the years. Reference is thus made to the figures below. The left-hand figure shows the share of crude oil production in US oil supply, while the right-hand figure disaggregates US output in crude oil and non-crude production (for the last 20 years only).

### Share of crude oil production in US oil supply, 1960–2016



### US crude oil production vs non-crude oil supply, 1997–2016



As can be seen, the share of crude oil, which stood at 88 per cent in 1960, was constantly declining and bottomed out in the year 2011 at only 63 per cent. Since then, the share has been hovering between 64 and 67 per cent, implying that crude oil is only responsible for about two-thirds of supply, meaning the role of crude oil for US oil supply has become less important.

This development has been caused by the trend of declining crude oil production which predates the tight oil boom, as well as the steady increase of non-crude elements — such as natural gas liquids, notably from unconventional resources in recent years but also from biofuels.

As illustrated, production of non-crude elements was stable when crude oil production was still falling, and picked up earlier. This softened the decline in US oil supply before 2006 and pushed up the growth thereafter. Finally, another interesting aspect is that non-crude oil supply continued to increase in 2016, partly offsetting the steep drops in crude oil production.

Table 3.1  
World proven crude oil reserves by country

(m b)

	2012	2013	2014	2015	2016	% change 16/15
<b>North America</b>	<b>34,661.0</b>	<b>37,652.0</b>	<b>40,503.0</b>	<b>36,218.0</b>	<b>36,218.0</b>	–
Canada <sup>1</sup>	4,132.0	4,281.0	4,118.0	3,900.0	3,900.0	–
United States	30,529.0	33,371.0	36,385.0	32,318.0	32,318.0	–
<b>Latin America</b>	<b>338,356.0</b>	<b>341,522.0</b>	<b>341,296.0</b>	<b>342,549.0</b>	<b>339,645.0</b>	<b>–0.8</b>
Argentina	2,805.0	2,820.0	2,354.0	2,380.0	2,185.0	–8.2
Brazil	13,154.0	15,050.0	15,544.0	16,184.0	12,910.0	–20.2
Colombia	2,200.0	2,377.0	2,445.0	2,308.0	2,002.0	–13.3
Ecuador	8,235.0	8,832.0	8,273.0	8,273.0	8,273.0	–
Mexico	11,424.0	11,079.0	9,711.0	9,711.0	9,711.0	–
Venezuela	297,735.0	298,350.0	299,953.0	300,878.0	302,250.0	0.5
Others	2,803.0	3,014.0	3,016.0	2,815.0	2,314.0	–17.8
<b>Eastern Europe and Eurasia</b>	<b>119,881.0</b>	<b>119,874.0</b>	<b>119,863.0</b>	<b>119,860.0</b>	<b>119,856.0</b>	–
Azerbaijan	7,000.0	7,000.0	7,000.0	7,000.0	7,000.0	–
Belarus	198.0	198.0	198.0	198.0	198.0	–
Kazakhstan	30,000.0	30,000.0	30,000.0	30,000.0	30,000.0	–
Russia	80,000.0	80,000.0	80,000.0	80,000.0	80,000.0	–
Turkmenistan	600.0	600.0	600.0	600.0	600.0	–
Ukraine	395.0	395.0	395.0	395.0	395.0	–
Uzbekistan	594.0	594.0	594.0	594.0	594.0	–
Others	1,094.0	1,087.0	1,076.0	1,073.0	1,069.0	–0.4
<b>Western Europe</b>	<b>10,800.0</b>	<b>11,337.0</b>	<b>10,761.0</b>	<b>10,064.0</b>	<b>11,353.0</b>	<b>12.8</b>
Denmark	805.0	805.0	611.0	511.0	491.0	–3.9
Norway	5,366.0	5,825.0	5,497.0	5,139.0	6,610.0	28.6
United Kingdom	2,800.0	2,979.0	2,982.0	2,755.0	2,564.0	–6.9
Others	1,829.0	1,727.0	1,670.0	1,660.0	1,688.0	1.7
<b>Middle East</b>	<b>799,132.0</b>	<b>802,958.0</b>	<b>802,512.0</b>	<b>802,848.0</b>	<b>807,730.0</b>	<b>0.6</b>
IR Iran	157,300.0	157,800.0	157,530.0	158,400.0	157,200.0	–0.8
Iraq	140,300.0	144,211.0	143,069.0	142,503.0	148,766.0	4.4
Kuwait	101,500.0	101,500.0	101,500.0	101,500.0	101,500.0	–
Oman	5,500.0	4,974.0	5,151.0	5,306.0	5,373.0	1.3
Qatar	25,244.0	25,244.0	25,244.0	25,244.0	25,244.0	–
Saudi Arabia	265,850.0	265,789.0	266,578.0	266,455.0	266,208.0	–0.1
Syrian Arab Republic	2,500.0	2,500.0	2,500.0	2,500.0	2,500.0	–
United Arab Emirates	97,800.0	97,800.0	97,800.0	97,800.0	97,800.0	–
Others	3,138.0	3,139.0	3,140.0	3,140.0	3,139.0	–
<b>Africa</b>	<b>128,291.0</b>	<b>128,070.0</b>	<b>127,254.0</b>	<b>127,969.0</b>	<b>128,359.0</b>	<b>0.3</b>
Algeria	12,200.0	12,200.0	12,200.0	12,200.0	12,200.0	–
Angola	9,055.0	9,011.0	8,423.0	9,524.0	9,523.0	–
Egypt	4,400.0	4,400.0	4,400.0	4,400.0	4,400.0	–
Gabon	2,000.0	2,000.0	2,000.0	2,000.0	2,000.0	–
Libya	48,472.0	48,363.0	48,363.0	48,363.0	48,363.0	–
Nigeria	37,139.0	37,071.0	37,448.0	37,062.0	37,453.0	1.1
Sudans	5,000.0	5,000.0	5,000.0	5,000.0	5,000.0	–
Others	10,025.0	10,025.0	9,420.0	9,420.0	9,420.0	–
<b>Asia and Pacific</b>	<b>47,552.0</b>	<b>47,860.0</b>	<b>48,197.0</b>	<b>48,385.0</b>	<b>49,003.0</b>	<b>1.3</b>
Australia	3,922.0	3,957.0	3,982.0	3,982.0	3,985.0	0.1
Brunei	1,100.0	1,100.0	1,100.0	1,100.0	1,100.0	–
China	24,428.0	24,376.0	24,649.0	25,132.0	25,620.0	1.9
India	5,571.0	5,643.0	5,675.0	5,680.0	5,749.0	1.2
Indonesia	3,291.0	3,303.0	3,303.0	3,230.0	3,230.0	–
Malaysia	3,668.0	3,750.0	3,750.0	3,600.0	3,600.0	–
Vietnam	4,400.0	4,400.0	4,400.0	4,400.0	4,400.0	–
Others	1,172.0	1,331.0	1,338.0	1,261.0	1,319.0	4.6
<b>Total world</b>	<b>1,478,673.0</b>	<b>1,489,272.0</b>	<b>1,490,386.0</b>	<b>1,487,893.0</b>	<b>1,492,164.0</b>	<b>0.3</b>
<i>of which</i>						
OPEC	1,202,830.0	1,208,171.0	1,208,382.0	1,210,202.0	1,216,780.0	0.5
<i>OPEC percentage</i>	<i>81.3</i>	<i>81.1</i>	<i>81.1</i>	<i>81.3</i>	<i>81.5</i>	
OECD	61,153.0	64,367.0	65,277.0	60,289.0	61,569.0	2.1
FSU	118,886.0	118,886.0	118,886.0	118,886.0	118,886.0	–

Notes: Figures as at year-end.

1. Data excludes oil sands.

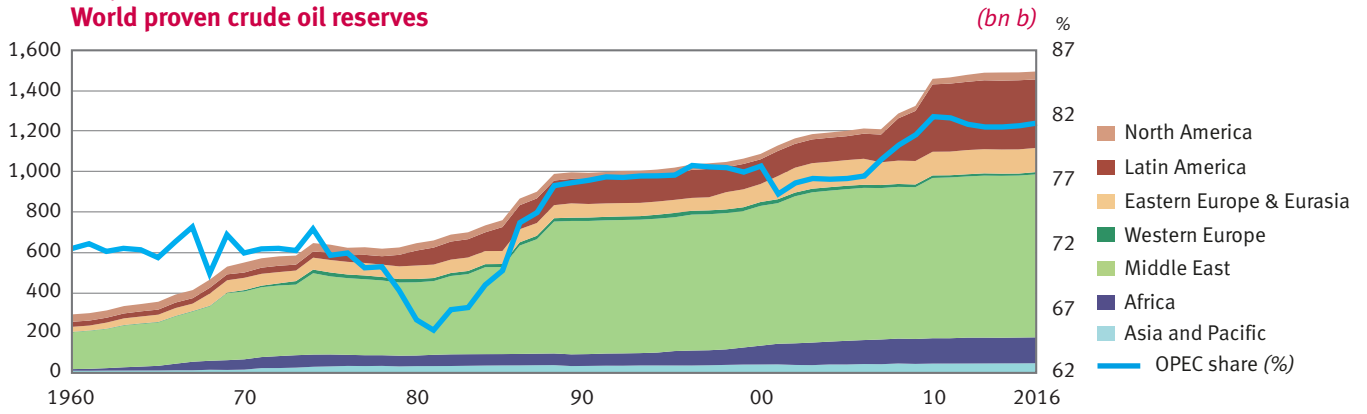
Table 3.2  
Active rigs by country

	2012	2013	2014	2015	2016	change 16/15
<b>North America</b>	<b>2,137</b>	<b>2,146</b>	<b>2,255</b>	<b>855</b>	<b>843</b>	<b>-12</b>
Canada	353	372	374	144	209	65
United States	1,784	1,774	1,881	711	634	-77
<b>Latin America</b>	<b>517</b>	<b>550</b>	<b>553</b>	<b>389</b>	<b>270</b>	<b>-119</b>
Argentina	75	94	113	91	59	-32
Bolivia	9	11	6	5	5	-
Brazil	71	54	42	38	13	-25
Colombia	39	45	46	12	19	7
Ecuador	44	50	41	7	7	-
Mexico	114	98	72	42	19	-23
Trinidad & Tobago	5	3	3	7	3	-4
Venezuela	149	186	221	182	138	-44
Others	11	9	9	5	7	2
<b>Eastern Europe and Eurasia</b>	<b>428</b>	<b>410</b>	<b>420</b>	<b>427</b>	<b>438</b>	<b>11</b>
Azerbaijan	14	14	17	17	17	-
Kazakhstan	60	59	57	57	57	-
Poland	15	12	12	12	12	-
Romania	10	12	17	18	18	-
Russia	320	304	307	311	322	11
Turkmenistan	9	9	10	12	12	-
Others	-	-	-	-	-	-
<b>Western Europe</b>	<b>136</b>	<b>126</b>	<b>148</b>	<b>114</b>	<b>99</b>	<b>-15</b>
Germany	6	4	3	6	4	-2
Italy	5	4	4	3	4	1
Netherlands	9	5	10	4	2	-2
Norway	25	14	14	17	16	-1
United Kingdom	21	12	20	9	11	2
Others	70	87	97	75	62	-13
<b>Middle East</b>	<b>518</b>	<b>535</b>	<b>505</b>	<b>529</b>	<b>566</b>	<b>37</b>
IR Iran	133	138	135	130	153	23
Iraq	92	83	69	65	44	-21
Kuwait	31	31	45	58	58	-
Oman	43	65	57	73	59	-14
Qatar	6	5	6	6	10	4
Saudi Arabia	148	148	145	145	161	16
Syrian Arab Republic	27	22	11	-	-	-
United Arab Emirates	26	30	30	51	79	28
Yemen	4	6	3	-	-	-
Others	8	7	4	1	2	1
<b>Africa</b>	<b>209</b>	<b>265</b>	<b>265</b>	<b>205</b>	<b>129</b>	<b>-76</b>
Algeria	38	49	49	49	52	3
Angola	27	28	37	30	10	-20
Egypt	48	52	52	44	24	-20
Gabon	6	6	7	2	-	-2
Libya	23	31	31	31	17	-14
Nigeria	44	59	46	29	9	-20
Others	23	40	43	20	17	-3
<b>Asia and Pacific</b>	<b>1,110</b>	<b>1,130</b>	<b>1,113</b>	<b>1,099</b>	<b>1,020</b>	<b>-79</b>
Australia	23	18	18	16	9	-7
China	827	827	823	824	775	-49
India	114	121	114	100	116	16
Indonesia	84	92	92	104	73	-31
Malaysia	13	12	8	5	4	-1
New Zealand	6	8	6	-	-	-
Pakistan	21	21	19	23	21	-2
Others	22	31	33	27	22	-5
<b>Total world</b>	<b>5,055</b>	<b>5,162</b>	<b>5,259</b>	<b>3,618</b>	<b>3,365</b>	<b>-253</b>
<i>of which</i>						
OPEC	767	844	862	785	738	-47
<i>OPEC percentage</i>	<i>15.2</i>	<i>16.4</i>	<i>16.4</i>	<i>21.7</i>	<i>21.9</i>	
OECD	2,391	2,367	2,466	999	954	-45
FSU	428	410	420	427	438	11

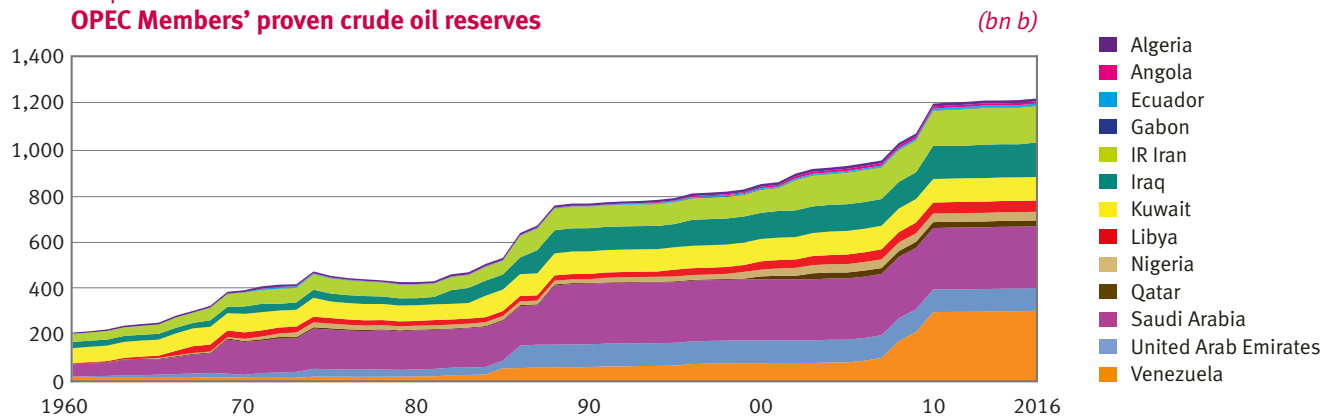
## Notes:

Figure as at year end.

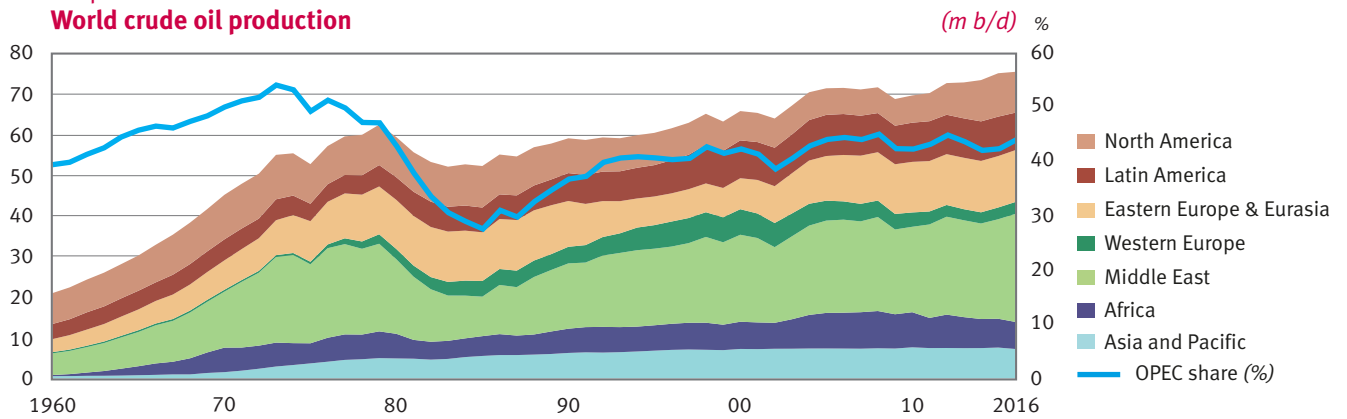
Graph 3.1  
World proven crude oil reserves



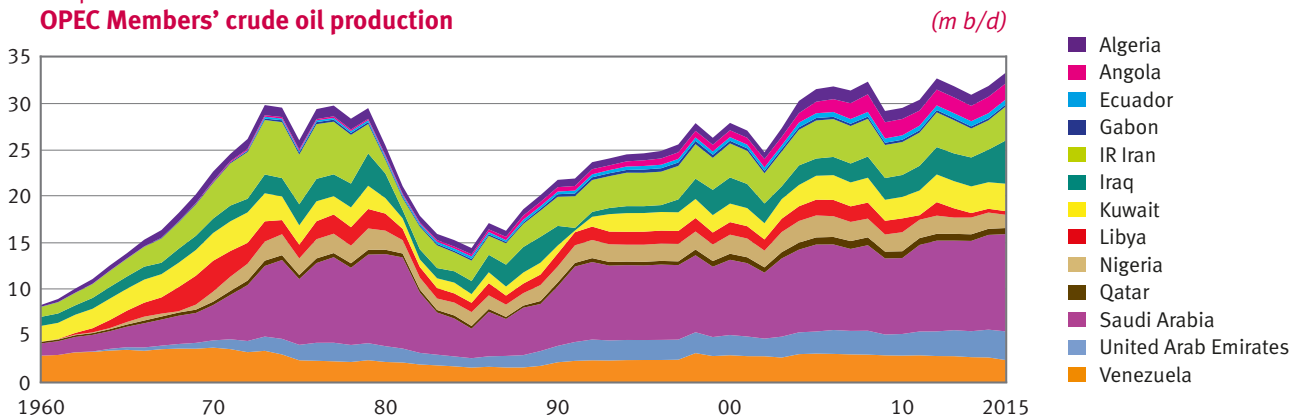
Graph 3.2  
OPEC Members' proven crude oil reserves



Graph 3.3  
World crude oil production



Graph 3.4  
OPEC Members' crude oil production



**Table 3.3**  
**Wells completed in OPEC Members**

	2012	2013	2014	2015	2016	change 16/15
Algeria	258	191	215	250	292	42
Angola	127	115	87	92	67	-25
Ecuador	268	316	327	210	86	-124
Gabon	43	45	51	38	14	-24
IR Iran	323	321	306	288	206	-82
Iraq	228	313	281	154	131	-23
Kuwait <sup>1</sup>	533	590	596	622	622	-
Libya	68	106	162	35	14	-21
Nigeria	107	114	141	116	76	-40
Qatar	87	88	99	77	27	-50
Saudi Arabia <sup>1</sup>	362	429	538	616	622	6
United Arab Emirates	304	277	292	219	271	52
Venezuela	788	415	669	635	171	-464
<b>OPEC</b>	<b>3,496</b>	<b>3,320</b>	<b>3,764</b>	<b>3,352</b>	<b>2,599</b>	<b>-753</b>
<b>Total world</b>	<b>101,757</b>	<b>104,888</b>	<b>101,670</b>	<b>71,308</b>	<b>51,008</b>	<b>-20,300</b>

**Notes:**

1. Figures include share of wells completed from Neutral Zone.

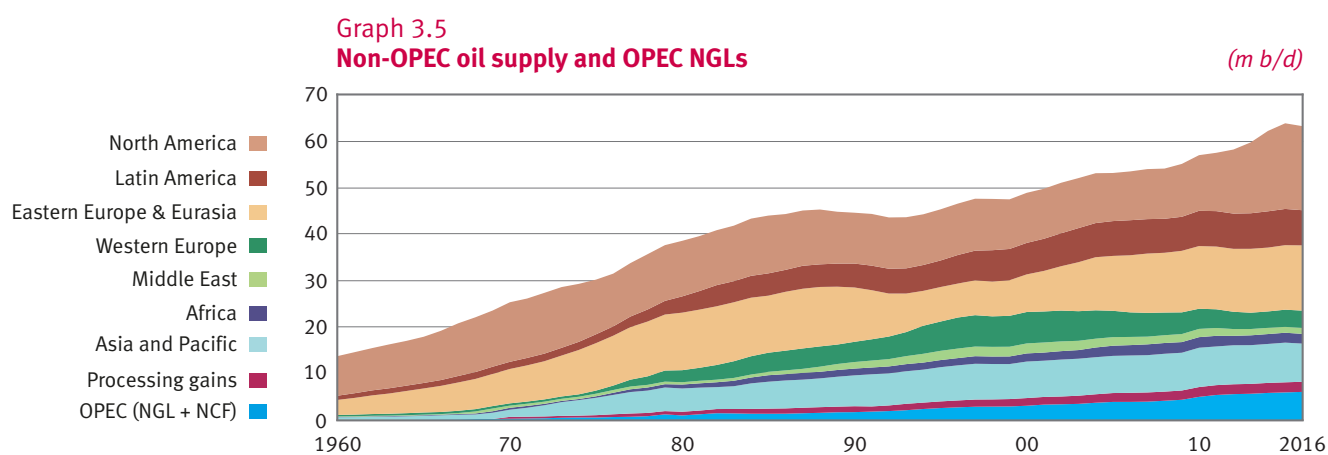


Table 3.4  
Producing wells in OPEC Members

	2012	2013	2014	2015	2016	change 16/15
Algeria	2,061	2,061	2,042	1,968	1,936	-32
Angola	1,554	1,554	1,509	1,593	1,572	-21
Ecuador	3,177	3,414	3,592	3,483	3,496	13
Gabon	397	397	398	397	396	-1
IR Iran	2,119	2,204	2,281	2,339	2,886	547
Iraq	1,700	1,735	1,963	2,361	2,629	268
Kuwait <sup>1</sup>	1,831	1,794	1,760	1,731	1,780	49
Libya	1,910	1,308	632	540	521	-19
Nigeria	2,168	1,951	2,010	1,947	1,668	-279
Qatar	517	511	500	467	460	-7
Saudi Arabia <sup>1</sup>	3,407	3,372	3,406	3,555	3,648	93
United Arab Emirates	1,640	1,722	1,735	1,792	1,835	43
Venezuela	14,959	14,809	14,710	14,685	13,395	-1,290
<b>OPEC</b>	<b>37,440</b>	<b>36,832</b>	<b>36,538</b>	<b>36,858</b>	<b>36,222</b>	<b>-636</b>
<b>Total world</b>	<b>981,598</b>	<b>981,696</b>	<b>1,060,232</b>	<b>1,113,243</b>	<b>1,102,111</b>	<b>-11,132</b>

## Notes:

Excluding shut-in wells.

1. Figures include share of producing wells from Neutral Zone.



Table 3.5  
Daily and cumulative crude oil production in OPEC Members

(1,000 b)

## Daily crude oil production

(average)

	1960	1970	1980	1990	2000	2016
Algeria	181.1	1,029.1	1,019.9	783.5	796.0	1,146.3
Angola	1.1	83.9	150.0	473.8	736.1	1,721.6
Ecuador	7.5	4.1	204.1	286.1	392.2	549.0
Gabon	15.4	108.8	174.5	274.4	282.8	220.2
IR Iran	1,067.7	3,829.0	1,467.4	3,135.3	3,661.3	3,651.3
Iraq	972.2	1,548.6	2,646.4	2,112.6	2,810.0	4,647.8
Kuwait <sup>1</sup>	1,691.8	2,989.6	1,663.7	858.6	1,996.1	2,954.3
Libya	–	3,318.0	1,831.6	1,389.1	1,347.2	390.2
Nigeria	17.4	1,083.1	2,058.0	1,726.7	2,053.6	1,427.3
Qatar	174.6	362.4	471.4	405.6	648.2	651.5
Saudi Arabia <sup>1</sup>	1,313.5	3,799.1	9,900.5	6,412.5	8,094.5	10,460.2
United Arab Emirates	–	779.6	1,701.9	1,762.6	2,174.7	3,088.3
Venezuela	2,846.1	3,708.0	2,165.0	2,135.2	2,891.0	2,372.5
<b>OPEC</b>	<b>8,288.4</b>	<b>22,643.3</b>	<b>25,454.4</b>	<b>21,756.0</b>	<b>27,883.6</b>	<b>33,280.5</b>

## Cumulative crude oil production up to and including year

	1960	1970	1980	1990	2000	2016
Algeria	81,372	2,569,469	6,404,548	8,974,340	11,837,030	18,658,344
Angola	1,127	76,423	623,359	1,681,478	3,972,081	12,532,233
Ecuador	2,745	26,191	617,927	1,526,131	2,843,162	5,708,839
Gabon	15,674	195,732	870,019	1,507,592	2,691,226	4,120,426
IR Iran	4,167,717	12,357,977	29,969,896	38,410,483	51,367,070	72,756,193
Iraq	2,750,439	7,476,078	15,826,156	22,246,208	26,918,241	41,845,043
Kuwait <sup>1</sup>	4,333,049	13,028,906	21,993,164	25,857,094	32,092,887	46,846,867
Libya	–	5,476,384	12,810,843	16,929,582	21,993,272	29,132,150
Nigeria	12,318	1,138,896	8,389,456	13,656,562	20,572,881	32,094,498
Qatar	451,617	1,428,583	3,199,374	4,334,808	6,032,088	10,255,952
Saudi Arabia <sup>1</sup>	4,345,242	13,283,848	42,306,785	61,814,608	91,266,532	143,970,919
United Arab Emirates	–	1,160,471	7,164,231	11,921,927	19,785,670	34,434,521
Venezuela	13,865,487	26,301,976	36,046,663	42,528,079	51,772,971	68,275,979
<b>OPEC</b>	<b>30,026,786</b>	<b>84,520,933</b>	<b>186,222,420</b>	<b>251,388,891</b>	<b>343,145,109</b>	<b>520,631,961</b>

## Notes:

1. Figures include share of production from Neutral Zone.

Table 3.6  
World crude oil production by country

(1,000 b/d)

	2012	2013	2014	2015	2016	% change 16/15
<b>North America</b>	<b>7,795.3</b>	<b>8,849.3</b>	<b>10,163.6</b>	<b>10,678.6</b>	<b>10,060.5</b>	<b>-5.8</b>
Canada	1,308.5	1,381.6	1,399.8	1,263.4	1,185.8	-6.1
United States	6,486.8	7,467.7	8,763.7	9,415.2	8,874.6	-5.7
<b>Latin America</b>	<b>9,701.3</b>	<b>9,698.3</b>	<b>9,740.7</b>	<b>9,714.5</b>	<b>9,222.3</b>	<b>-5.1</b>
Argentina	549.3	540.0	532.2	532.3	511.7	-3.9
Brazil	2,061.3	2,023.9	2,254.6	2,437.3	2,510.0	3.0
Chile	6.1	6.7	6.6	5.0	4.2	-16.6
Colombia	944.2	1,008.2	990.3	1,005.6	883.3	-12.2
Ecuador	503.6	526.4	556.6	543.1	549.0	1.1
Mexico	2,547.9	2,522.2	2,428.9	2,266.8	2,153.5	-5.0
Peru	66.6	62.8	69.3	58.0	40.3	-30.6
Trinidad & Tobago	81.7	81.2	81.2	78.6	71.5	-9.1
Venezuela	2,803.9	2,789.5	2,682.6	2,653.9	2,372.5	-10.6
Others	136.7	137.7	138.4	133.9	126.5	-5.5
<b>Eastern Europe and Eurasia</b>	<b>12,507.4</b>	<b>12,659.6</b>	<b>12,649.9</b>	<b>12,654.6</b>	<b>12,765.5</b>	<b>0.9</b>
Azerbaijan	817.2	814.7	793.1	786.7	769.8	-2.1
Kazakhstan	1,306.5	1,372.8	1,344.8	1,321.6	1,295.0	-2.0
Romania	82.0	82.1	80.2	78.8	75.5	-4.2
Russia	9,953.3	10,047.3	10,087.5	10,111.1	10,292.2	1.8
Turkmenistan	187.3	180.4	185.9	206.2	189.6	-8.1
Ukraine	46.0	43.7	40.7	36.2	32.3	-10.6
Others	115.1	118.6	117.5	114.0	111.1	-2.5
<b>Western Europe</b>	<b>2,888.2</b>	<b>2,724.2</b>	<b>2,750.3</b>	<b>2,892.9</b>	<b>2,919.9</b>	<b>0.9</b>
Denmark	201.9	176.0	164.9	156.0	140.1	-10.2
France	16.3	16.0	15.3	16.7	16.5	-1.0
Germany	51.1	51.8	48.1	48.1	46.3	-3.8
Italy	101.0	101.6	106.3	100.1	70.7	-29.4
Netherlands	21.6	21.6	29.7	26.9	17.8	-33.6
Norway	1,532.8	1,463.6	1,511.8	1,567.4	1,615.5	3.1
Turkey	44.8	46.2	47.7	48.5	49.5	2.0
United Kingdom	868.6	796.1	776.0	879.7	914.8	4.0
Others	50.2	51.3	50.4	49.5	48.7	-1.5
<b>Middle East</b>	<b>24,106.5</b>	<b>23,845.3</b>	<b>23,510.9</b>	<b>24,494.3</b>	<b>26,608.4</b>	<b>8.6</b>
Bahrain	173.0	197.6	202.5	202.6	205.0	1.2
IR Iran	3,739.8	3,575.3	3,117.1	3,151.6	3,651.3	15.9
Iraq	2,942.4	2,979.6	3,110.5	3,504.1	4,647.8	32.6
Kuwait <sup>1</sup>	2,977.6	2,924.7	2,866.8	2,858.7	2,954.3	3.3
Oman	813.5	844.3	856.1	885.2	908.7	2.7
Qatar	733.6	723.9	709.2	656.0	651.5	-0.7
Saudi Arabia <sup>1</sup>	9,763.0	9,637.0	9,712.7	10,192.6	10,460.2	2.6
Syrian Arab Republic	151.6	45.3	22.8	18.7	17.1	-8.4
United Arab Emirates	2,653.0	2,796.5	2,794.0	2,988.9	3,088.3	3.3
Yemen	159.2	121.0	119.2	36.0	24.2	-32.7
<b>Africa</b>	<b>8,216.5</b>	<b>7,638.9</b>	<b>7,159.5</b>	<b>7,094.8</b>	<b>6,660.1</b>	<b>-6.1</b>
Algeria	1,199.8	1,202.6	1,192.8	1,157.1	1,146.3	-0.9
Angola	1,704.0	1,701.2	1,653.7	1,767.1	1,721.6	-2.6
Congo	294.5	280.7	266.2	266.7	306.0	14.8
Egypt	570.3	567.6	573.9	579.4	544.4	-6.0
Equatorial Guinea	238.8	223.1	236.9	245.3	236.3	-3.7
Gabon	241.6	226.4	225.9	224.7	220.2	-2.0
Libya	1,450.0	993.3	479.9	404.3	390.2	-3.5
Nigeria	1,954.1	1,753.7	1,807.0	1,748.2	1,427.3	-18.4
Sudans	119.3	232.3	285.6	278.6	264.5	-5.1
Others	444.1	457.9	437.6	423.5	403.3	-4.8
<b>Asia and Pacific</b>	<b>7,484.3</b>	<b>7,446.2</b>	<b>7,460.9</b>	<b>7,593.6</b>	<b>7,240.1</b>	<b>-4.7</b>
Australia	405.4	334.7	353.4	322.2	289.3	-10.2
Brunei	145.7	122.1	114.4	115.3	109.1	-5.4
China	4,074.2	4,163.8	4,208.3	4,288.9	3,981.8	-7.2
India	759.7	755.8	752.8	746.8	720.8	-3.5
Indonesia	763.4	727.2	697.3	690.1	739.5	7.2
Malaysia	585.4	594.5	614.7	662.0	670.0	1.2
New Zealand	41.1	35.4	39.5	41.3	34.7	-15.9
Others	709.5	712.8	680.4	726.9	694.7	-4.4
<b>Total world</b>	<b>72,699.4</b>	<b>72,861.8</b>	<b>73,435.7</b>	<b>75,123.3</b>	<b>75,476.7</b>	<b>0.5</b>
<i>of which</i>						
OPEC	32,666.3	31,830.2	30,908.7	31,850.2	33,280.5	4.5
<i>OPEC percentage</i>	<i>44.9</i>	<i>43.7</i>	<i>42.1</i>	<i>42.4</i>	<i>44.1</i>	
OECD	13,689.7	14,485.6	15,754.9	16,217.0	15,474.7	-4.6
FSU	12,376.6	12,521.8	12,511.1	12,517.1	12,629.9	0.9

## Notes:

1. Figures include share of production from Neutral Zone.

Table 3.7  
Non-OPEC oil supply and OPEC NGLs

(1,000 b/d)

	2012	2013	2014	2015	2016	% change 16/15
<b>North America</b>	<b>13,812.5</b>	<b>15,283.3</b>	<b>17,328.6</b>	<b>18,460.9</b>	<b>18,122.6</b>	<b>-1.8</b>
Canada	3,779.1	4,038.0	4,312.4	4,419.8	4,501.7	1.9
United States	10,033.4	11,245.3	13,016.3	14,041.1	13,620.8	-3.0
<b>Latin America</b>	<b>7,596.6</b>	<b>7,659.7</b>	<b>7,818.3</b>	<b>7,808.8</b>	<b>7,573.5</b>	<b>-3.0</b>
Argentina	708.3	684.0	692.5	682.1	677.5	-0.7
Brazil	2,567.9	2,602.5	2,859.2	3,079.7	3,141.0	2.0
Chile	11.4	10.4	8.7	5.9	5.3	-9.8
Colombia	965.2	1,030.2	1,013.3	1,029.6	906.3	-12.0
Mexico	2,922.5	2,892.2	2,801.2	2,598.8	2,464.5	-5.2
Peru	153.1	167.3	172.9	149.4	135.1	-9.5
Trinidad & Tobago	116.5	115.4	112.1	108.4	96.2	-11.3
Others	151.7	157.7	158.4	154.9	147.5	-4.8
<b>Eastern Europe and Eurasia</b>	<b>13,565.6</b>	<b>13,772.1</b>	<b>13,763.1</b>	<b>13,909.1</b>	<b>14,064.5</b>	<b>1.1</b>
Azerbaijan	883.5	891.5	866.2	860.1	849.1	-1.3
Kazakhstan	1,586.4	1,642.7	1,623.5	1,596.3	1,562.5	-2.1
Romania	86.0	85.1	82.9	80.8	77.5	-4.1
Russia	10,491.8	10,635.3	10,675.4	10,846.3	11,083.2	2.2
Turkmenistan	213.3	209.4	217.9	238.3	221.7	-7.0
Ukraine	75.1	69.2	60.3	54.0	50.5	-6.5
Others	229.5	239.1	236.9	233.3	220.1	-5.7
<b>Western Europe</b>	<b>3,724.3</b>	<b>3,517.1</b>	<b>3,536.6</b>	<b>3,694.7</b>	<b>3,732.6</b>	<b>1.0</b>
Denmark	203.9	180.0	168.9	160.0	143.1	-10.6
France	94.3	90.5	89.8	91.0	90.6	-0.5
Germany	149.9	145.2	141.2	141.4	143.5	1.5
Italy	144.7	144.3	140.8	142.8	107.1	-25.0
Netherlands	48.1	54.2	49.7	48.0	35.2	-26.6
Norway	1,917.1	1,837.7	1,888.6	1,947.6	1,994.4	2.4
Turkey	44.8	46.2	47.7	48.5	49.5	2.0
United Kingdom	956.0	874.7	868.3	968.8	1,025.3	5.8
Others	165.4	144.4	141.7	146.6	143.9	-1.8
<b>Middle East</b>	<b>1,469.0</b>	<b>1,361.1</b>	<b>1,338.8</b>	<b>1,273.0</b>	<b>1,278.5</b>	<b>0.4</b>
Bahrain	195.0	218.6	223.5	223.6	225.0	0.6
Oman	918.6	942.1	943.3	981.2	1,004.2	2.3
Syrian Arab Republic	176.6	59.5	32.8	26.7	25.1	-5.9
Yemen	178.7	141.0	139.2	41.6	24.2	-41.8
<b>Africa</b>	<b>2,024.1</b>	<b>2,118.1</b>	<b>2,130.5</b>	<b>2,133.2</b>	<b>2,099.3</b>	<b>-1.6</b>
Congo	294.5	280.7	266.2	266.7	306.0	14.8
Egypt	711.3	706.6	706.9	722.4	690.7	-4.4
Equatorial Guinea	282.7	267.0	280.8	289.2	280.2	-3.1
Sudans	119.3	232.3	285.6	278.6	264.5	-5.1
Others	616.3	631.5	591.0	576.4	557.8	-3.2
<b>Asia and Pacific</b>	<b>8,409.5</b>	<b>8,346.7</b>	<b>8,398.9</b>	<b>8,552.1</b>	<b>8,225.1</b>	<b>-3.8</b>
Australia	475.4	401.4	428.3	379.4	349.1	-8.0
Brunei	158.6	135.3	126.7	126.8	120.9	-4.6
China	4,158.1	4,250.2	4,302.3	4,387.9	4,081.8	-7.0
India	875.5	870.4	867.3	867.6	851.5	-1.9
Indonesia	944.1	904.3	865.2	874.1	932.1	6.6
Malaysia	659.4	648.0	685.7	736.0	746.0	1.4
New Zealand	45.6	41.4	46.6	48.0	39.5	-17.7
Others	1,092.8	1,095.7	1,076.8	1,132.3	1,104.2	-2.5
<b>Non-OPEC production</b>	<b>50,601.5</b>	<b>52,058.2</b>	<b>54,315.0</b>	<b>55,831.9</b>	<b>55,096.0</b>	<b>-1.3</b>
Processing gains	2,127.0	2,128.0	2,159.0	2,172.0	2,184.0	0.6
<b>Non-OPEC supply</b>	<b>52,728.5</b>	<b>54,186.2</b>	<b>56,474.0</b>	<b>58,003.9</b>	<b>57,280.0</b>	<b>-1.2</b>
OPEC NGL	5,366.4	5,416.5	5,568.7	5,679.2	5,813.8	2.4
OPEC non-conventional (NCF)	200.3	232.0	260.0	263.3	237.3	-9.9
<b>OPEC (NGL+NCF)</b>	<b>5,566.7</b>	<b>5,648.5</b>	<b>5,828.7</b>	<b>5,942.5</b>	<b>6,051.0</b>	<b>1.8</b>
<b>Non-OPEC &amp; OPEC (NGL+NCF)</b>	<b>58,295.1</b>	<b>59,834.7</b>	<b>62,302.7</b>	<b>63,946.4</b>	<b>63,331.1</b>	<b>-1.0</b>
<i>of which</i>						
OECD	21,096.0	22,259.0	24,262.0	25,300.5	24,820.1	-1.9
FSU	13,360.4	13,555.9	13,546.3	13,693.2	13,860.9	1.2

