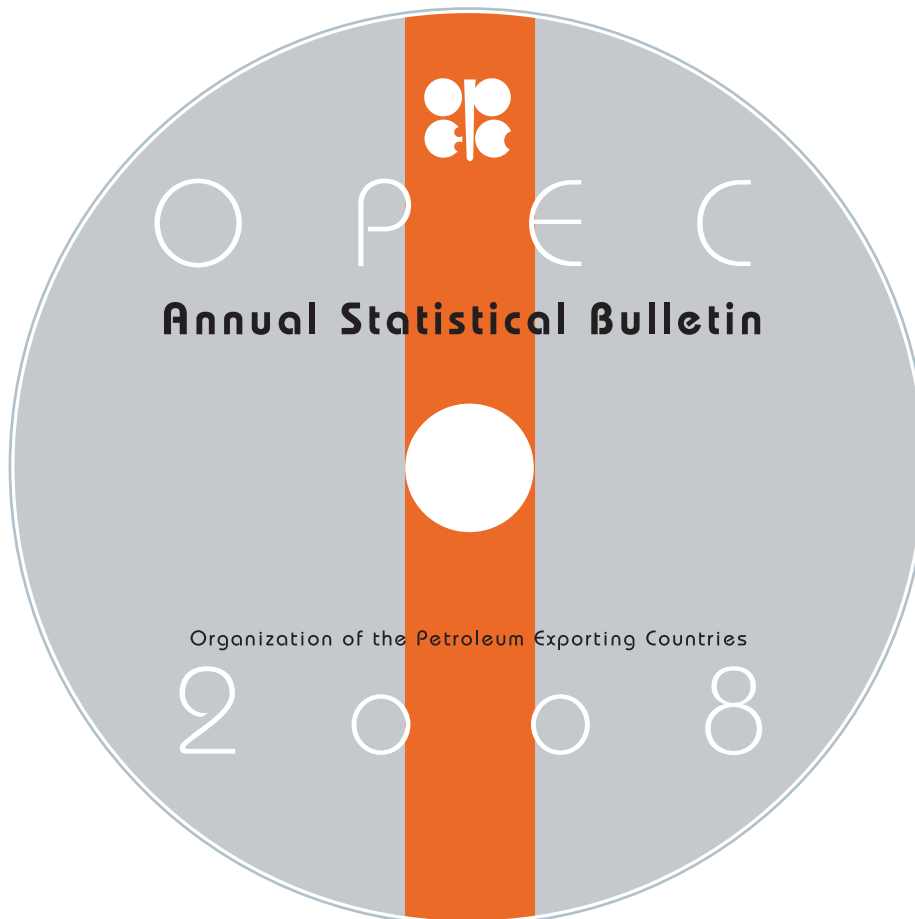




Annual Statistical Bulletin

2008





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ISSN 0475-0608

Printed in Austria by  Ueberreuter Print und Digimedia

Foreword	4
OPEC crude oil production allocations	6

Section 1: Summary tables and basic indicators

	Page
Table 1 OPEC Members' facts and figures	9
2 OPEC Members' mid-year population	10
3 OPEC Members' GDP at current market prices	11
4 OPEC Members' values of exports	12
5 OPEC Members' values of petroleum exports	13
6 OPEC Members' values of imports	14
7 Estimated current account balances in OPEC Members	15
8 Annual average exchange rates for OPEC Members	16
9 Proven crude oil reserves in OPEC Members	17
10 World proven crude oil reserves by region	18
11 Proven natural gas reserves in OPEC Members	19
12 World proven natural gas reserves by region	20
13 Crude oil production in OPEC Members	21
14 World crude oil production by region	22
15 Marketed production of natural gas in OPEC Members	23
16 World marketed production of natural gas by region	24
17 Refining capacity in OPEC Members	25
18 World refining capacity by region	26
19 Output of refined products in OPEC Members	27
20 World output of refined products by region	28
21 Consumption of refined products in OPEC Members	29
22 World consumption of refined products by region	30
23 Crude oil exports by OPEC Members	31
24 OPEC crude oil exports by region	32
25 Share of total OPEC crude oil exports by region	33
26 World crude oil exports by region	34
27 Exports of refined products by OPEC Members	35
28 World exports of refined products by region	36
29 Exports of crude oil and refined products by OPEC Members	37
30 World exports of crude oil and refined products by region	38
31 Natural gas exports by OPEC Members	39
32 World natural gas exports by region	40

Section 2: Oil and gas data

Exploration and reserves

33 World proven crude oil reserves by country	41
Graph 1 World proven crude oil reserves	42
Graph 2 Crude oil reserves by region	42
Graph 3 Crude oil reserves to production ratios	42
34 World proven natural gas reserves by country	43
35 Active rigs in OPEC Members and in world	44
36 Wells completed in OPEC Members	45
37 Producing wells in OPEC Members	47
Graph 4 OPEC cumulative production and net addition to reserves (with table)	48

Crude oil and natural gas production

Graph 5 OPEC crude oil production	48
38 Cumulative and daily crude oil production in OPEC Members:	50
Algeria, Graph 6	50, 49
Angola, Graph 7	50, 49
Ecuador, Graph 8	51, 49
Indonesia, Graph 9	52, 49

	Page
Table	
IR Iran, Graph 10	53, 49
Iraq, Graph 11	54, 49
Kuwait, Graph 12	55, 49
SP Libyan AJ, Graph 13	56, 49
Nigeria, Graph 14	56, 49
Qatar, Graph 15	57, 49
Saudi Arabia, Graph 16	58, 49
United Arab Emirates, Graph 17	59, 49
Venezuela, Graph 18	60, 49
39 World crude oil production by country	61
Graphs 19–26 World crude oil production, by region	62
40 Natural gas production in OPEC Members	63
41 World marketed production of natural gas by country	64
Graph 27 World proven natural gas reserves	65
Graph 28 World marketed natural gas production	65
Graph 29 World natural gas reserves to production ratios	65
 Share of production by company	
42 Crude oil production by companies in OPEC Members:	66
Algeria, Angola, Ecuador, Indonesia	66
IR Iran, Iraq, Kuwait, SP Libyan AJ	67
Nigeria, Qatar, Saudi Arabia, United Arab Emirates, Venezuela	68
43 Parent companies' percentage equity in companies holding producing rights in OPEC Members	69
44 Parent companies' estimated gross share of crude oil production in OPEC Members	70
 Refining	
45 Refinery capacity in OPEC Members by location	71
46 World refining capacity by country	73
47 Output of refined products by type in OPEC Members	74
48 World output of refined products by country	76
Graphs 30–31 Output of refined products vs refinery capacity, OPEC and non-OPEC	77
 Consumption	
49 Consumption of refined products by type in OPEC Members	78
50 World consumption of refined products by country	80
Graphs 32–33 Production and consumption of refined products, OPEC and non-OPEC	77
 Exports	
51 OPEC Members' crude oil exports by destination:	81
Algeria, Graph 34	81
Angola, Graph 35	81
Ecuador, Graph 36	82
Indonesia, Graph 37	82
IR Iran, Graph 38	83
Iraq, Graph 39	83
Kuwait, Graph 40	84
SP Libyan AJ, Graph 41	84
Nigeria, Graph 42	85
Qatar, Graph 43	85
Saudi Arabia, Graph 44	86
United Arab Emirates, Graph 45	86
Venezuela, Graph 46	87
52 World crude oil exports by country	88
Graphs 47–54 Crude oil exports, total and by region	89
53 OPEC refined product exports by destination:	90
Algeria, Indonesia	90
Kuwait, Saudi Arabia, Venezuela	91

Table	Page
54 World exports of refined products by country	92
55 World natural gas exports by country	93
Imports	
56 World imports of crude oil by country	94
57 World imports of refined products by country	95
58 World imports of natural gas by country	96
Section 3: Transportation	
Tanker fleet	
59 Tanker fleet development in OPEC Members	97
60 World tanker fleet by age	97
61 World liquid gas carrier fleet by size and type	98
62 Liquid gas carrier fleet in OPEC Members	98
63 World combined carrier fleet by size	99
64 World laid-up tanker and combined carrier tonnage by size	99
Tanker freight rates	
65 Average spot freight rates for all routes	100
66 Freight costs in the spot market	101
67 Spot tanker freight rates for all sizes	102
Pipelines	
68 Crude oil pipelines in OPEC Members	103
69 Gas pipelines in OPEC Members	107
70 Refined product pipelines in OPEC Members	110
Section 4: Prices	
71 Spot OPEC Reference Basket prices	113
72 Spot crude oil prices	114
73 Crude oil prices in nominal and real terms	117
74 Spot prices of refined products in major markets	118
75 Retail prices of refined products in OPEC Members	119
76 Composite barrel and its components in major consuming countries	120
Section 5: Major oil companies	
77 Principal operations of the major oil companies	121
78 Revenues, operating costs, deductions, taxation and net income of the major oil companies	122
79 Costs, deductions, taxation and net income as percentage of revenues of the major oil companies	123
80 Capital and exploratory expenditure of the major oil companies	124
General notes	
Definitions	126
Country groupings	127
Abbreviations	128
Oil companies	129
Sources	130
Conversion factors	130
Subject index	131
Map	OPEC flows of crude and refined oil inside back cover



HE Abdalla Salem El-Badri, OPEC Secretary General

We are pleased to present the 44th edition of the Annual Statistical Bulletin (ASB), one of OPEC's most established publications.

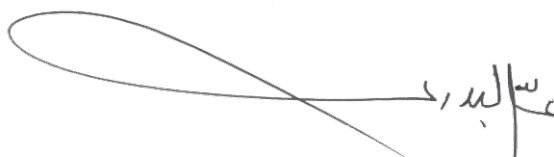
As with previous editions, the 2008 ASB contains a wide range of statistical data about oil and gas around the world with a focus on the 13 countries that were Members of the

Organization in 2008 — Algeria, Angola, Ecuador, Indonesia, the Islamic Republic of Iran, Iraq, Kuwait, the Socialist People's Libyan Arab Jamahiriya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates and Venezuela.

Over the years, the ASB has proven to be an invaluable source of reliable data on the oil industry. The publication contains information on the global petroleum industry; comprehensive data on regional imports and exports; upstream and downstream activities; as well as basic financial data for major oil companies with exploration and production activities around the world. It also provides readers with detailed information and data about the various oil and gas activities in which OPEC Member Countries are involved.

This publication is meant to further enhance transparency through data sharing amongst all stakeholders in the oil industry. Such transparency, we believe, is an important element in ensuring stability in the global oil market.

The 2008 ASB has been prepared over the course of many months and with the collaboration and input of many people in our Member Countries and at the OPEC Secretariat. I would like to acknowledge their diligence and commitment which have made the timely publication of the 2008 ASB possible.



Abdalla Salem El-Badri
Secretary General

OPEC crude oil production allocations (1,000 b/d)

	Apr 82– Mar 83	Apr 83– Oct 84	Nov 84– Aug 86	Sep 86– Oct 86	Nov 86	Dec 86	Jan 87– Jun 87	Jul 87– Dec 87	Jan 88– Dec 88	Jan 89– Jun 89
Algeria	650	725	663	663	669	669	635	667	667	695
Ecuador	200	200	183	183	221	221	210	221	221	230
Indonesia	1,300	1,300	1,189	1,189	1,193	1,193	1,133	1,190	1,190	1,240
IR Iran	1,200	2,400	2,300	2,300	2,317	2,317	2,255	2,369	2,369	2,640
Iraq	1,200	1,200	1,200	1,200	–	–	1,466	1,540	–	2,640
Kuwait	800	1,050	900	900	921	999	948	996	996	1,037
SP Libyan AJ	750	1,100	990	990	999	999	948	996	996	1,037
Nigeria	1,300	1,300	1,300	1,300	1,304	1,304	1,238	1,301	1,301	1,355
Qatar	300	300	280	280	300	300	285	299	299	312
Saudi Arabia	7,150	5,000	4,353	4,353	4,353	4,353	4,133	4,343	4,343	4,524
United Arab Emirates	1,000	1,100	950	950	950	950	902	948	948	988
Venezuela	1,500	1,675	1,555	1,555	1,574	1,574	1,495	1,571	1,571	1,636
OPEC	17,350	17,350	15,863	15,863			15,648	16,441		18,334
OPEC excl Iraq					14,801	14,879			14,901	

	Jul 89– Sep 89	Oct 89– Dec 89	Jan 90– Jul 90	Aug 90	Apr 91– Sep 91	Oct 91– Jan 92*	Feb 92– Sep 92	Oct 92– Dec 92*	Jan 93– Feb 93	Mar 93– Sep 93
Algeria	733	771	827	827	827	na	760	na	764	732
Ecuador	242	254	273	273	273	na	273	na	–	–
Indonesia	1,307	1,374	1,374	1,374	1,443	na	1,374	na	1,374	1,317
IR Iran	2,783	2,926	3,140	3,140	3,217	na	3,184	na	3,490	3,340
Iraq	2,783	2,926	3,140	3,140	–	na	505	na	500	400
Kuwait	1,093	1,149	1,500	1,500	–	na	812	na	1,500	1,600
SP Libyan AJ	1,093	1,149	1,233	1,233	1,425	na	1,395	na	1,409	1,350
Nigeria	1,428	1,501	1,611	1,611	1,840	na	1,751	na	1,857	1,780
Qatar	329	346	371	371	399	na	377	na	380	364
Saudi Arabia	4,769	5,014	5,380	5,380	8,034	na	7,887	na	8,395	8,000
United Arab Emirates	1,041	1,094	1,095	1,500	2,320	na	2,244	na	2,260	2,161
Venezuela	1,724	1,812	1,945	1,945	2,235	na	2,147	na	2,360	2,257
OPEC	19,325	20,316	21,889	22,294		23,650	22,709	24,200	24,289	23,301
OPEC excl Iraq					22,013					

Notes: Totals may not add up due to independent rounding. Angola joined OPEC in January 2007; Ecuador suspended its membership from December 1992 to October 2007.

– No production level allocated.

na No distribution made.

* Includes Gabon.

OPEC excluding IR Iran and Iraq.

Agreed at the:

- 1/ 63rd (Extraordinary) Meeting of the OPEC Conference, March 19–20, 1982.
- 2/ 67th (Extraordinary) Meeting of the OPEC Conference, March 14, 1983. No production level allocated to Saudi Arabia which acted as the swing producer. Venezuela: 1.7m b/d including condensates. Nigeria: At the 70th Meeting of the OPEC Conference, July 10–11, 1984, a temporary production rise to 1.4m b/d and 1.45m b/d in August 1984 and September 1984, respectively, was decided.
- 3/ 71st (Extraordinary) Meeting of the OPEC Conference, October 29–31, 1984. Retained at the 75th (Extraordinary) Meeting of the OPEC Conference, October 4, 1985.
- 4/ 78th Meeting of the OPEC Conference, June 25–30, 1986, and July 28–August 5, 1986, with the exception of Iraq.
- 5/ 79th (Extraordinary) Meeting of the OPEC Conference, October 6–22, 1986, with the exception of Iraq.
- 6/ 79th (Extraordinary) Meeting of the OPEC Conference, October 6–22, 1986, with the exception of Iraq.
- 7/ 80th Meeting of the OPEC Conference, December 11–20, 1986.
- 8/ 81st Meeting of the OPEC Conference, June 25–27, 1987.
- 9/ 82nd Meeting of the OPEC Conference, December 9–14, 1987, with the exception of Iraq. Extended at the 83rd Meeting of the OPEC Conference, June 11–14, 1988, with the exception of Iraq.
- 10/ 84th Meeting of the OPEC Conference, November 21–28, 1988.
- 11/ 85th Meeting of the OPEC Conference, June 5–7, 1989.
- 12/ 3rd Meeting of the Eight-Minister Monitoring Committee, September 23–27, 1989.
- 13/ 86th Meeting of the OPEC Conference, November 25–28, 1989.
- 14/ 87th Meeting of the OPEC Conference, July 26–27, 1990. September 2000–March 2001: Oil Ministers' informal consultations and 1st Ministerial Monitoring Committee, August 26–29, 1990 (interim course of action: OPEC shall consequently increase production in accordance with need). Retained August 1990 agreement at the 88th Meeting of the OPEC Conference, December 12–13, 1990.
- 15/ 3rd Meeting of the Ministerial Monitoring Committee, March 11–12, 1991. Reservations were made by Algeria and IR Iran as to the total OPEC production level. Reiterated without reservations at the 89th Meeting of the OPEC Conference, June 4, 1991.
- 16/ 4th Meeting of the Ministerial Monitoring Committee, September 24–25, 1991. Retained at the 90th Meeting of the Conference, November 26–27, 1991.
- 17/ 6th Meeting of the Ministerial Monitoring Committee, February 12–15, 1992. Reservations were made by IR Iran as to the total OPEC production level and by Saudi Arabia as to their allocated production level. Rollover (inclusive of reservations) at the 91st Meeting of the OPEC Conference, May 21–22, 1992. The Conference also decided to allow any additional production from Kuwait.
- 18/ 9th Meeting of the Ministerial Monitoring Committee, September 16–17, 1992. Reaffirmed to allow for any additional production from Kuwait.
- 19/ 92nd Meeting of the OPEC Conference, November 25–27, 1992, with full support of Member Countries, except Iraq and the allowance of additional volumes to Kuwait as they become available during the 1Q93.
- 20/ 10th Meeting of the Ministerial Monitoring Committee, February 13–16, 1993 with full support of Member Countries, except Iraq. Rollover of this agreement at the 93rd Meeting of the OPEC Conference, June 8–10, 1993, with full support of Member Countries, except Iraq and Kuwait.

OPEC crude oil production allocations (1,000 b/d)

	Oct 93– Jun 96	Jul 96– Dec 97	Jan 98– Mar 98	Apr 98– Jun 98	Jul 98– Mar 99	Apr 99– Mar 00	Apr 00– Jun 00	Jul 00– Sep 00	Oct 1, 00– Oct 30, 00	Oct 31, 00 –Jan 01
Algeria	21/ 750	22/ 750	23/ 909	24/ 50	25/ 788	26/ 731	27/ 788	28/ 811	29/ 837	30/ 853
Indonesia	1,330	1,330	1,456	70	1,280	1,187	1,280	1,317	1,359	1,385
IR Iran	3,600	3,600	3,942	140	3,318	3,359	–	3,727	3,844	3,917
Iraq	400	1,200	1,314	–	–	–	–	–	–	–
Kuwait	2,000	2,000	2,190	125	1,980	1,836	1,980	2,037	2,101	2,141
SP Libyan AJ	1,390	1,390	1,522	80	1,323	1,227	1,323	1,361	1,404	1,431
Nigeria	1,865	1,865	2,042	125	2,033	1,885	2,033	2,091	2,157	2,198
Qatar	378	378	414	30	640	593	640	658	679	692
Saudi Arabia	8,000	8,000	8,761	300	8,023	7,438	8,023	8,253	8,512	8,674
United Arab Emirates	2,161	2,161	2,366	125	2,157	2,000	2,157	2,219	2,289	2,333
Venezuela	2,359	2,359	2,583	200	2,845	2,720	2,845	2,926	3,019	3,077
OPEC	24,233	25,033	27,500							
OPEC excl Iraq				1,245	24,387	22,976	21,069*	25,400	26,200	26,700
Target				25,742						

	Feb 01– Mar 01	Apr 01– Aug 01	Sep 01– Dec 01	Jan 02– Dec 02	Jan 03	Feb 03– May 03	Jun 03– Oct 03	Nov 03– Mar 04	Apr 04– Jun 04	Jul 04
Algeria	31/ 805	32/ 773	33/ 741	34/ 693	35/ 735	36/ 782	37/ 811	38/ 782	39/ 750	40/ 814
Indonesia	1,307	1,255	1,203	1,125	1,192	1,270	1,317	1,270	1,218	1,322
IR Iran	3,698	3,552	3,406	3,186	3,377	3,597	3,729	3,597	3,450	3,744
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	2,021	1,941	1,861	1,741	1,845	1,966	2,038	1,966	1,886	2,046
SP Libyan AJ	1,350	1,296	1,242	1,162	1,232	1,312	1,360	1,312	1,258	1,365
Nigeria	2,075	1,993	1,911	1,787	1,894	2,018	2,092	2,018	1,936	2,101
Qatar	653	627	601	562	596	635	658	635	609	661
Saudi Arabia	8,189	7,865	7,541	7,053	7,476	7,963	8,256	7,963	7,638	8,288
United Arab Emirates	2,201	2,113	2,025	1,894	2,007	2,138	2,217	2,138	2,051	2,225
Venezuela	2,902	2,786	2,670	2,497	2,647	2,819	2,923	2,819	2,704	2,934
OPEC excl Iraq	25,201	24,201	23,201	21,700	23,000	24,500	25,400	24,500	23,500	25,500

- 21/ 94th (Extraordinary) Meeting of the OPEC Conference, September 25–29, 1993, with full support of Member Countries, except Iraq. Maintained at the 12th Meeting of the Ministerial Monitoring Committee, March 25–26, 1994, with full support of Member Countries, except Iraq. Maintained at the 97th, 98th and 99th Meeting of the OPEC Conference, November 21–22, 1994, June 19–20, 1995, and November 21–22, 1995, respectively.
- 22/ 100th Meeting of the OPEC Conference, June 5–7, 1996. The remaining volume of 1.2m b/d is to be supplied by Iraq. Rollover of the agreement at the 101st and the 102nd Meeting of the OPEC Conference, November 27–28, 1996, and June 25–26, 1997, respectively.
- 23/ 103rd Meeting of the OPEC Conference, November 26–December 1, 1997. The remaining volume of 1,314,080 b/d is to be supplied by Iraq.
- 24/ 104th Meeting (Extraordinary) of the OPEC Conference, March 30, 1998. Data reflect temporary production cuts from OPEC excluding Iraq production in February 1998 (26.987m b/d) as reported by selected secondary sources. Iraq is not called upon to participate in this agreement.
- 25/ 105th Meeting of the OPEC Conference, June 24, 1998. Iraq is not called upon to participate in this agreement.
- 26/ 107th Meeting of the OPEC Conference, March 23, 1999. Reaffirmed strong commitment to the agreement at the 108th Meeting of the OPEC Conference, September 22, 1999. Iraq is not called upon to participate in this agreement.
- 27/ 109th Meeting of the OPEC Conference, March 27–29, 2000. Agreement of nine Member Countries.
- 28/ 110th (Extraordinary) Meeting of the OPEC Conference, June 21, 2000. Iraq is not called upon to participate in this agreement.
- 29/ 111th Meeting of the OPEC Conference, September 10–11, 2000. Iraq is not called upon to participate in this agreement.
- 30/ 111th Meeting of the OPEC Conference, September 10–11, 2000; including additional 500,000 b/d (price band mechanism) as announced by the OPEC President on October 30, 2000, and effective from October 31, 2000. Iraq is not called upon to participate in this agreement.
- 31/ 113th (Extraordinary) Meeting of the OPEC Conference, January 17, 2001. Iraq is not called upon to participate in this agreement.
- 32/ 114th Meeting of the OPEC Conference, March 16–17, 2001. Retained at the 115th (Extraordinary) and 116th (Extraordinary) Meeting of the OPEC Conference, June 5 and July 3, 2001, respectively. Iraq is not called upon to participate in this agreement.
- 33/ OPEC Conference, July 25, 2001. Retained at the 117th Meeting of the OPEC Conference, September 26–27, 2001. Iraq is not called upon to participate in this agreement.
- 34/ Announced during the 118th (Extraordinary) Meeting of the OPEC Conference, November 14, 2001, and confirmed its implementation during the Consultative Meeting of the OPEC Conference in Cairo, December 28, 2001. Retained at the 119th (Extraordinary), 120th (Extraordinary) and 121st Meeting of the OPEC Conference, March 15, June 26 and September 19, 2002, respectively. Iraq is not called upon to participate in this agreement.
- 35/ 122th (Extraordinary) Meeting of the OPEC Conference, December 12, 2002. Iraq is not called upon to participate in this agreement.
- 36/ 123rd (Extraordinary) Meeting of the OPEC Conference, January 12, 2003. Retained at the 124th Meeting of the OPEC Conference, March 11, 2003. Iraq is not called upon to participate in this agreement.
- 37/ Consultative Meeting of the OPEC Conference, April 24, 2003. Retained at the 125th (Extraordinary) and 126th (Extraordinary) Meeting of the OPEC Conference, June 11 and July 31, 2003, respectively. Iraq is not called upon to participate in this agreement.
- 38/ 127th Meeting of the OPEC Conference, September 24, 2003. Retained at the 128th (Extraordinary) and 129th (Extraordinary) Meeting of the OPEC Conference, December 4, 2003, and February 10, 2004, respectively. Iraq is not called upon to participate in this agreement.
- 39/ 129th (Extraordinary) Meeting of the OPEC Conference, February 10, 2004. Reconfirmed at the 130th Meeting of the OPEC Conference, March 31, 2004. Iraq is not called upon to participate in this agreement.
- 40/ 131st (Extraordinary) Meeting of the OPEC Conference, June 3, 2004. Iraq is not called upon to participate in this agreement.

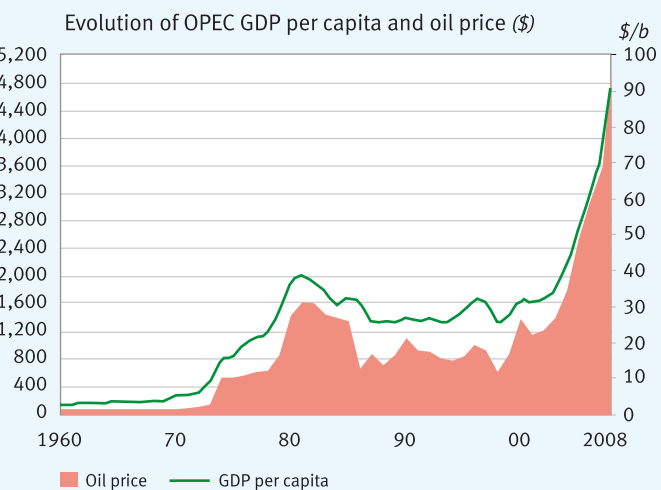
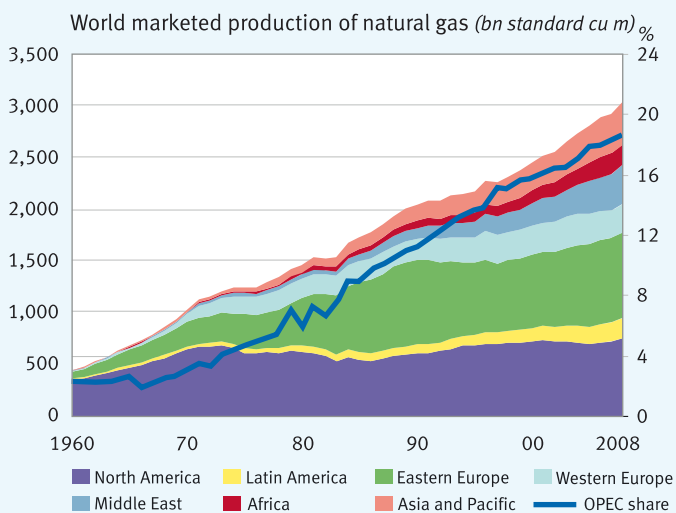
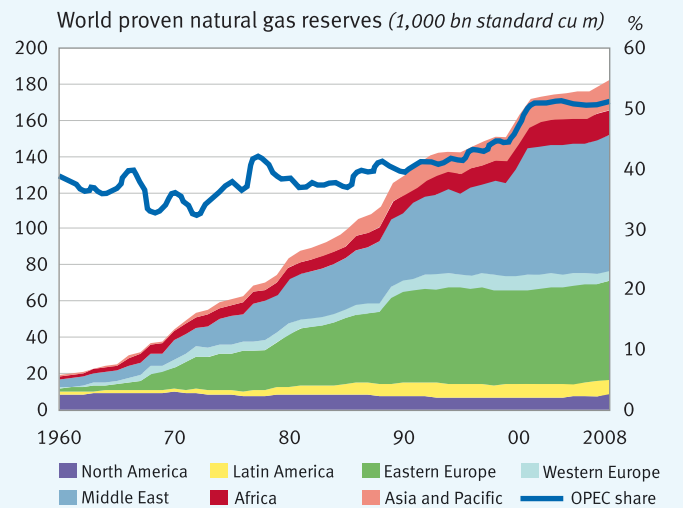
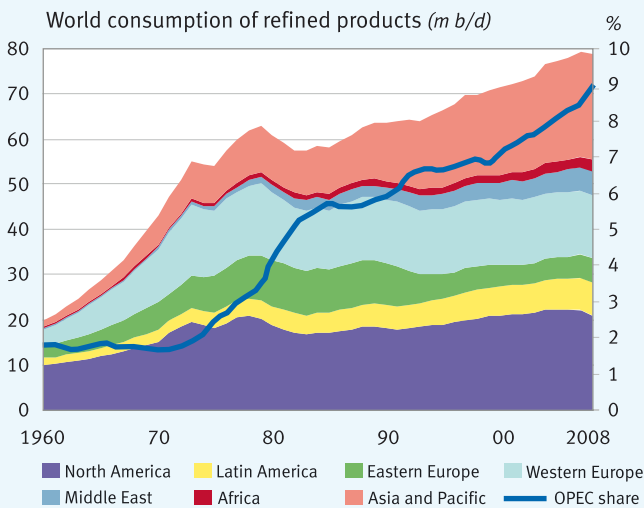
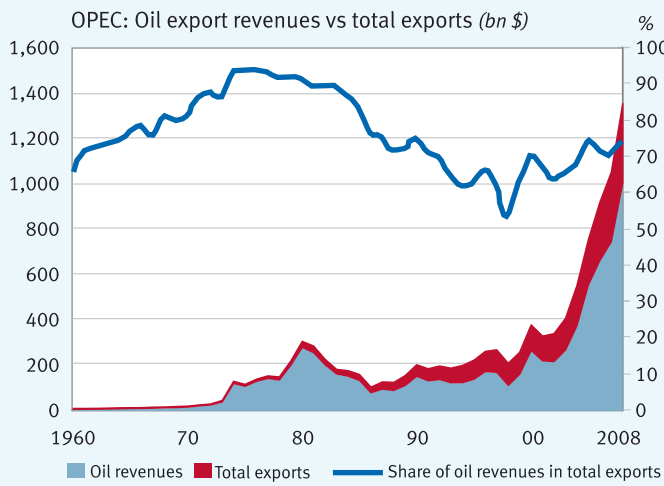
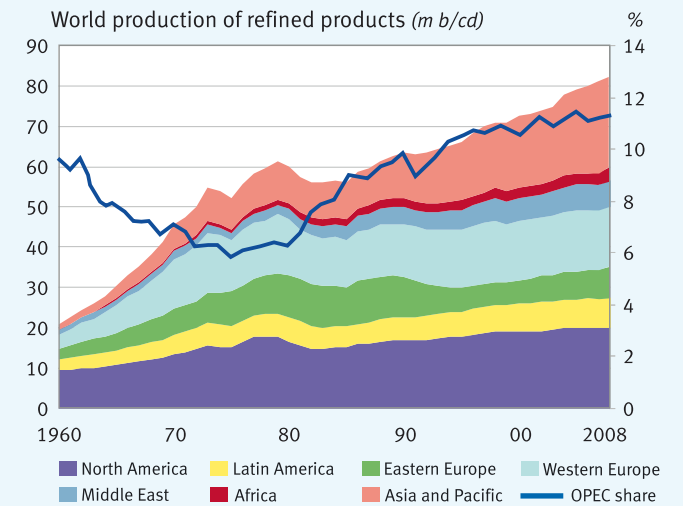
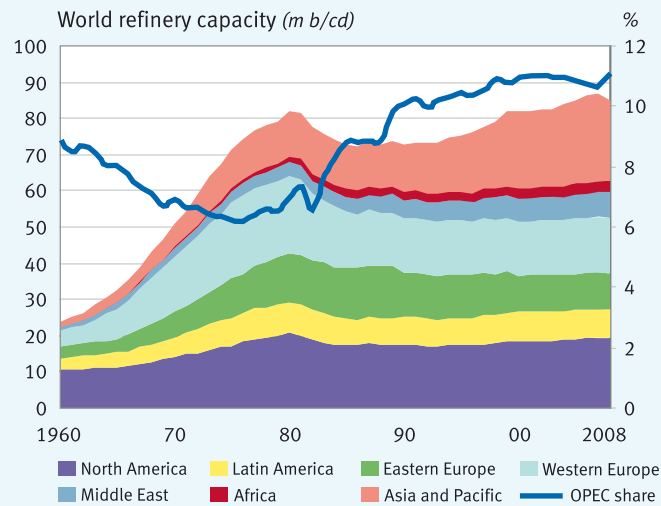
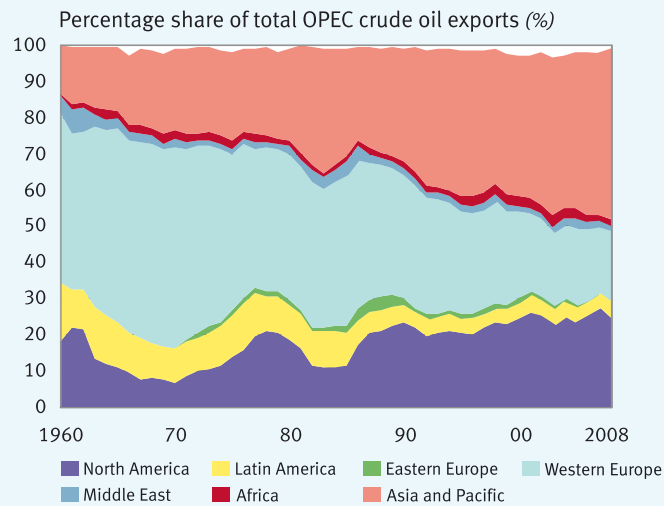
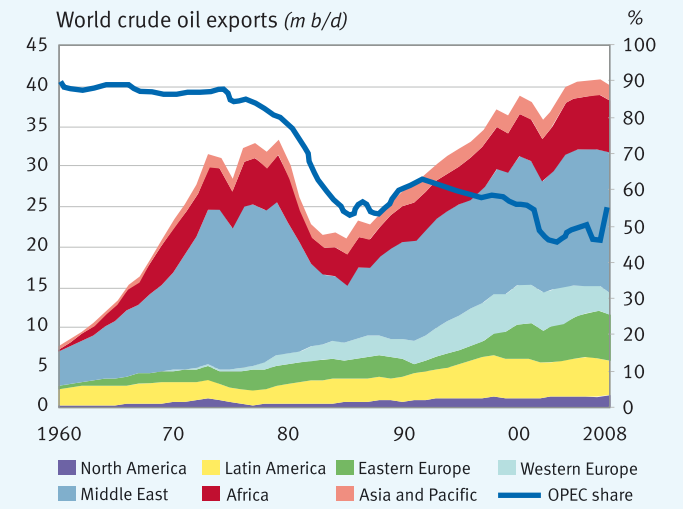
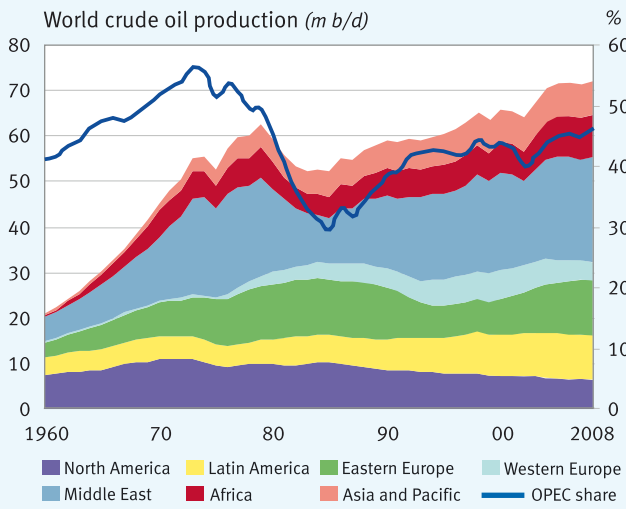
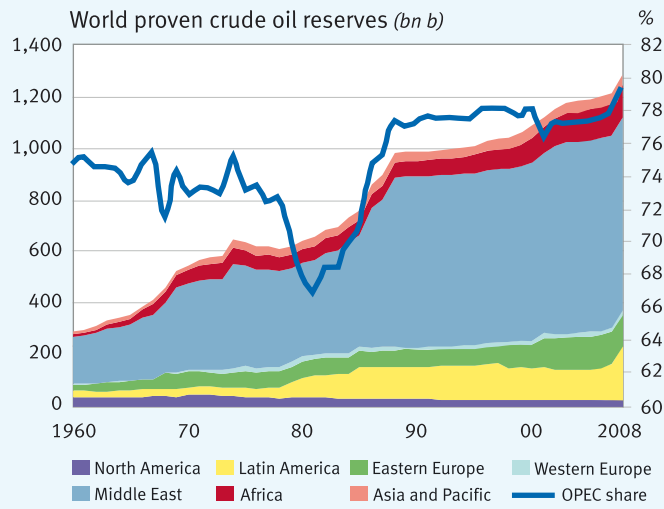
OPEC crude oil production allocations (1,000 b/d)

	Aug 04– Oct 04	Nov 1, 04– Mar 16, 05	Mar 17, 05– Jun 30, 05	Jul 05– Oct 06	Nov 06– Jan 07	Feb 07– Oct 07	Nov 07– Dec 07	Jan 08– Sep 08	Oct 08	Nov 08– Dec 08
Algeria	830	862	878	894	59	25	na	na	na	71
Angola	–	–	–	–	–	–	–	na	na	99
Ecuador	–	–	–	–	–	–	–	na	na	27
Indonesia	1,347	1,399	1,425	1,451	39	16	na	na	–	–
IR Iran	3,817	3,964	4,037	4,110	176	73	na	na	na	199
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	2,087	2,167	2,207	2,247	100	42	na	na	na	132
SP Libyan AJ	1,392	1,446	1,473	1,500	72	30	na	na	na	89
Nigeria	2,142	2,224	2,265	2,306	100	42	na	na	na	113
Qatar	674	700	713	726	35	15	na	na	na	43
Saudi Arabia	8,450	8,775	8,937	9,099	380	158	na	na	na	466
United Arab Emirates	2,269	2,356	2,400	2,444	101	42	na	na	na	134
Venezuela	2,992	3,107	3,165	3,223	138	57	na	na	na	129
OPEC excl Angola, Ecuador and Iraq	26,000	27,000	27,500	28,000	1,200	500	500			1,500
Target OPEC excl Angola, Ecuador and Iraq					26,300	25,800	27,253			
Target OPEC excl Iraq								29,673		
Target OPEC excl Iraq and Indonesia									28,808	27,308

- 41/ 131st (Extraordinary) Meeting of the OPEC Conference, June 3, 2004. Iraq is not called upon to participate in this agreement.
- 42/ 132nd Meeting of the OPEC Conference, September 15, 2004. Iraq is not called upon to participate in this agreement. During the 133rd (Extraordinary) Meeting of the OPEC Conference, December 10, 2004, Member Countries agreed to collectively reduce the over-production by 1m b/d from their current actual output, effective January 1, 2005. Agreement of 132nd Meeting is retained at the 134th (Extraordinary) Meeting of the OPEC Conference, January 30, 2005.
- 43/ 135th Meeting of the OPEC Conference, March 16, 2005. Iraq is not called upon to participate in this agreement. The President of the Conference is authorized, after consultation with fellow Heads of Delegation, to announce an additional 500,000 b/d increase until its next Meeting, if prices remain at current high levels or continue to further rise.
- 44/ 136th (Extraordinary) Meeting of the OPEC Conference, June 15, 2005. Iraq is not called upon to participate in this agreement. The President of the Conference is authorized, after consultation with fellow Heads of Delegation, to announce an additional 500,000 b/d increase until its next Meeting, if prices remain at current high levels or continue to further rise. The 137th OPEC Conference, September 20, 2005, agreed to make available to the market the spare capacity of 2m b/d, should it be called for, for a period of three months, starting October 1, 2005. The 138th (December 12, 2005), the 139th (Extraordinary, January 31, 2006), the 140th (March 8, 2006) and the 141st (Extraordinary, June 1, 2006) Conference retained OPEC–10 production level of 28.0m b/d as agreed on June 15, 2005.
- 45/ Consultative Meeting of the OPEC Conference, October 19–20, 2006. Data reflect interim production cuts from OPEC (excluding Iraq production) in September 2006 (27.5m b/d) to achieve 26.3m b/d. Iraq is not called upon to participate in this agreement.
- 46/ 143rd (Extraordinary) Meeting of the OPEC Conference, December 14, 2006. Data reflect a further production cut (to achieve 25.8m b/d) to the decision taken in Doha, October 19–20 2006. Iraq is not called upon to participate in this agreement.
- 47/ 145th Meeting of the OPEC Conference, September 11, 2007. Angola and Iraq are not called upon to participate in this agreement. Data reflect production increase of 500,000 b/d for OPEC (excluding Angola and Iraq) to achieve 27.253m b/d.
- 48/ 146th (Extraordinary) Meeting of the OPEC Conference, December 5, 2007. Data refer to OPEC–12. Iraq is not called upon to participate in the agreement.
- 49/ 149th Meeting of the OPEC Conference, September 9–10, 2008: The Conference agreed to abide to September 2007 production allocations (adjusted to include new Members Angola and Ecuador and excluding Indonesia and Iraq), totalling to 28.8m b/d. Indonesia suspended its full Membership in the Organization.
- 50/ 150th (Extraordinary) Meeting of the OPEC Conference, October 24, 2008. Data reflect a production cut of 1.5m b/d to achieve 27.31m b/d. Iraq and Indonesia are not called upon to participate in the agreement.

Summary





OPEC Members' facts and figures, 2008

	Algeria	Angola	Ecuador	Indo- nesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Vene- zuela	OPEC
Population														
<i>million inhabitants</i>	33.88	17.50	13.81	228.25	71.29	29.49	2.92	6.28	151.54	0.86	24.82	4.52	27.94	613.10
Land area														
<i>1,000 sq km</i>	2,382	1,247	281	1,904	1,648	438	18	1,760	924	11	2,150	84	916	13,763
GDP per capita														
<i>dollars</i>	4,712	4,766	3,808	2,242	4,837	3,464	54,050	15,926	1,415	106,610	19,405	57,603	11,464	4,699
GDP at market														
<i>prices billion \$</i>	159.67	83.38	52.57	511.77	344.82	102.14	158.09	100.07	214.40	91.76	481.63	260.14	320.25	2,880.70
Value of exports														
<i>billion \$</i>	77.29	67.24	18.49	147.64	108.47	58.81	87.50	60.26	76.83	55.96	304.36	210.00	83.17	1,356.01
Value of imports														
<i>billion \$</i>	38.06	17.08	18.69	129.77	67.25	37.22	26.06	27.91	44.67	23.48	117.67	175.50	33.77	757.13
Current account														
<i>balance billion \$</i>	37.08	17.67	1.19	0.61	17.80	17.36	63.94	36.58	12.90	32.20	141.80	43.10	44.33	466.55
Value of petroleum														
<i>exports billion \$</i>	47.02	64.00	11.75	20.10	88.92	58.20	84.44	55.20	74.70	38.95	283.21	102.50	77.86	1,006.85
Proven crude oil														
<i>reserves billion barrels</i>	12.20	9.50	6.51	3.99	137.62	115.00	101.50	44.27	37.20	25.41	264.06	97.80	172.32	1,027.38
Natural gas reserves														
<i>billion cu m</i>	4,504	272	8	3,100	29,610	3,170	1,784	1,540	5,249	25,466	7,570	6,091	4,983	93,347
Crude oil production														
<i>1,000 b/d</i>	1,356	1,896	501	857	4,056	2,281	2,676	1,721	2,017	843	9,198	2,572	3,118	33,093
Natural gas marketed														
<i>production billion cu m</i>	86.51	0.68	0.26	70.00	116.30	1.88	12.70	15.90	32.83	76.98	80.44	50.24	20.75	565.46
Crude distillation														
<i>capacity 1,000 b/cd</i>	523	39	188	1,051	1,474	659	936	380	445	80	2,135	466	1,749	10,124
Consumption of refined														
<i>products 1,000 b/d</i>	300	62	181	1,054	1,776	589	264	252	235	116	1,440	233	638	7,141
Crude oil exports														
<i>1,000 b/d</i>	841	1,044	348	294	2,438	1,855	1,739	1,403	2,098	703	7,322	2,334	1,770	24,190
Exports of refined														
<i>products 1,000 b/d</i>	456.7	20.7	42.2	260.8	274.9	84.9	707.9	156.7	49.2	97.8	1,058.3	304.4	912.3	4,426.7
Natural gas exports														
<i>billion cu m</i>	59.67	–	–	33.50	4.25	–	–	10.40	20.55	56.78	–	7.57	–	192.711
Exchange rate														
<i>national currency/\$</i>	64.6	75.0	1.0	9,699.0	9,428.5	1,193.0	0.3	1.2	118.5	3.6	3.8	3.7	2.1	

Notes: Totals may not add up due to independent rounding.

Table 2

Summary

OPEC Members' mid-year population, 1988–2008 (1,000 inhabitants)

	1988	1989	1990	1991	1992	1993	1994
Algeria	24,095	24,700	25,324	25,942	26,581	27,299	27,800
Angola	10,000	10,250	10,534	10,858	11,217	11,593	11,965
Ecuador	9,804	10,040	10,272	10,503	10,736	10,965	11,187
Indonesia	171,994	175,063	178,232	181,320	184,322	187,232	190,043
IR Iran	51,909	53,187	54,496	55,837	56,656	57,488	58,331
Iraq	17,554	18,011	18,515	19,068	19,666	20,301	20,959
Kuwait	1,969	2,055	2,141	1,363	1,422	1,461	1,620
SP Libyan AJ	4,180	4,272	4,364	4,456	4,549	4,643	4,737
Nigeria	89,055	91,722	94,454	97,247	100,103	103,018	105,988
Qatar	431	451	467	482	493	504	514
Saudi Arabia	13,774	14,463	15,187	15,947	16,948	17,277	17,701
United Arab Emirates	1,674	1,769	1,867	1,967	2,070	2,180	2,299
Venezuela	18,542	19,025	19,735	20,197	20,659	21,121	21,583
OPEC	414,981	425,008	435,588	445,187	455,422	465,082	474,727
	1995	1996	1997	1998	1999	2000	2001
Algeria	28,060	28,566	29,045	29,507	30,170	30,610	31,040
Angola	12,317	12,644	12,953	13,257	13,578	13,930	14,318
Ecuador	11,397	11,591	11,773	11,948	12,121	12,299	12,480
Indonesia	192,750	195,457	198,163	200,867	203,568	206,265	209,014
IR Iran	59,187	60,055	60,994	61,842	62,513	63,515	64,583
Iraq	21,632	22,317	23,013	23,709	24,392	25,051	25,687
Kuwait	1,881	2,016	2,153	2,238	2,274	2,228	2,243
SP Libyan AJ	4,833	4,930	5,030	5,133	5,238	5,346	5,456
Nigeria	109,010	112,079	115,193	118,348	121,542	124,773	128,039
Qatar	526	539	553	569	590	617	649
Saudi Arabia	18,136	18,581	19,037	19,504	19,983	20,474	20,976
United Arab Emirates	2,432	2,577	2,734	2,900	3,072	3,247	3,424
Venezuela	22,043	22,502	22,959	23,413	23,867	24,311	24,766
OPEC	484,204	493,854	503,600	513,235	522,908	532,666	542,675
	2002	2003	2004	2005	2006	2007	2008
Algeria	31,357	31,840	32,081	32,906	33,133	33,506	33,883
Angola	14,737	15,180	15,635	16,095	16,557	17,020	17,496
Ecuador	12,661	12,843	13,027	13,215	13,408	13,606	13,805
Indonesia	211,817	214,674	217,588	220,558	223,042	225,630	228,248
IR Iran	65,657	66,680	67,656	68,588	69,477	70,378	71,290
Iraq	26,301	26,891	27,456	27,996	28,506	28,993	29,488
Kuwait	2,363	2,484	2,645	2,700	2,779	2,851	2,925
SP Libyan AJ	5,568	5,683	5,799	5,918	6,039	6,160	6,283
Nigeria	131,336	134,659	138,001	141,356	144,720	148,093	151,545
Qatar	687	727	764	796	821	841	861
Saudi Arabia	21,491	22,019	22,529	23,119	23,679	24,243	24,820
United Arab Emirates	3,603	3,779	3,947	4,104	4,248	4,380	4,516
Venezuela	25,220	25,674	26,127	26,577	27,030	27,483	27,935
OPEC	552,798	563,133	573,255	583,928	593,439	603,183	613,095

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

OPEC Members' GDP at current market prices, 1988–2008 (*m* \$)

	1988	1989	1990	1991	1992	1993	1994
Algeria	56,736	54,930	62,031	45,723	47,853	49,713	41,978
Angola	8,027	9,338	10,278	9,963	7,682	5,575	4,060
Ecuador	9,094	9,523	10,351	11,343	11,991	15,057	18,573
Indonesia	71,838	86,116	101,118	119,869	135,419	158,139	176,824
IR Iran	122,232	119,597	117,481	119,124	107,335	73,766	105,878
Iraq	43,411	48,422	13,982	4,245	5,481	4,347	3,621
Kuwait	20,690	24,314	18,399	11,011	20,136	24,197	24,995
SP Libyan AJ	23,778	25,167	28,944	32,016	33,926	30,698	29,142
Nigeria	24,311	23,487	31,480	28,337	25,522	15,790	18,086
Qatar	6,038	6,488	7,360	6,884	7,646	7,157	7,374
Saudi Arabia	88,256	95,344	116,778	131,336	136,304	132,151	134,327
United Arab Emirates	24,190	27,922	35,985	33,193	33,488	36,721	37,439
Venezuela	60,380	38,847	48,413	53,430	60,473	59,894	58,490
OPEC	558,979	569,495	602,599	606,474	633,256	613,205	660,788
	1995	1996	1997	1998	1999	2000	2001
Algeria	40,723	45,534	47,792	47,387	48,258	53,435	54,643
Angola	5,066	6,535	7,675	6,506	6,153	9,135	8,936
Ecuador	20,196	21,268	23,636	23,255	16,674	15,934	21,250
Indonesia	202,066	227,339	218,989	97,483	139,532	165,573	164,517
IR Iran	104,763	107,455	100,877	117,861	104,656	96,440	115,435
Iraq	4,000	5,556	10,261	10,572	17,477	26,017	20,342
Kuwait	27,186	31,491	30,349	25,941	30,126	37,018	34,076
SP Libyan AJ	25,557	27,886	30,705	27,262	30,490	34,612	30,068
Nigeria	36,945	46,020	35,386	32,749	35,943	46,138	43,847
Qatar	8,138	9,059	11,298	10,255	12,393	17,736	17,717
Saudi Arabia	142,458	157,743	164,994	145,967	160,957	188,442	183,012
United Arab Emirates	40,726	48,006	51,216	48,514	55,181	70,370	69,227
Venezuela	77,588	70,704	86,021	91,505	98,139	117,325	123,081
OPEC	735,412	804,596	819,199	685,256	755,978	878,175	886,152
	2002	2003	2004	2005	2006	2007	2008
Algeria	55,907	56,221	84,158	102,439	114,691	135,268	159,669
Angola	11,386	13,956	19,800	30,632	45,168	59,263	83,384
Ecuador	24,899	28,636	32,642	37,187	41,763	45,789	52,572
Indonesia	198,927	238,443	255,722	285,856	364,379	432,060	511,765
IR Iran	115,234	132,251	158,828	187,438	222,128	285,932	344,820
Iraq	19,675	15,282	36,638	49,955	64,805	86,125	102,144
Kuwait	38,137	47,830	59,267	83,828	101,975	111,755	158,089
SP Libyan AJ	20,409	24,652	31,799	42,844	55,977	69,869	100,071
Nigeria	58,331	66,808	86,949	112,248	146,890	167,435	214,403
Qatar	19,680	23,669	28,412	42,055	56,770	63,870	91,763
Saudi Arabia	188,551	214,573	250,339	315,337	356,155	381,479	481,631
United Arab Emirates	74,297	87,611	105,251	139,711	170,081	198,702	260,141
Venezuela	93,051	83,648	113,082	144,490	184,715	228,326	320,247
OPEC	918,484	1,033,580	1,262,887	1,574,020	1,925,497	2,265,873	2,880,699

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 4

Summary

OPEC Members' values of exports, 1988–2008 (m \$)

	1988	1989	1990	1991	1992	1993	1994
Algeria	8,429	10,222	14,707	13,313	12,147	10,864	9,946
Angola	2,494	2,989	3,940	3,449	3,833	2,900	3,017
Ecuador	2,193	2,354	2,724	2,851	3,102	3,066	3,843
Indonesia	19,509	22,974	26,807	29,635	33,796	36,607	40,222
IR Iran	10,709	13,081	19,305	18,661	19,868	18,080	19,434
Iraq	9,609	12,284	10,314	377	518	457	453
Kuwait	7,758	11,476	7,042	1,088	6,572	10,246	11,260
SP Libyan AJ	6,673	8,034	13,225	11,234	10,793	8,140	9,120
Nigeria	6,877	7,844	13,673	12,264	11,886	11,590	11,319
Qatar	2,210	2,687	3,529	3,047	3,736	3,181	3,146
Saudi Arabia	24,376	28,383	44,416	47,697	50,287	42,395	42,614
United Arab Emirates	12,250	17,596	23,544	24,436	24,756	23,640	27,390
Venezuela	10,082	12,915	17,444	14,968	13,988	14,586	15,905
OPEC	123,169	152,839	200,669	183,020	195,281	185,751	197,668
	1995	1996	1997	1998	1999	2000	2001
Algeria	11,178	14,066	14,657	11,090	12,522	18,508	19,132
Angola	3,723	5,095	5,007	3,543	5,157	7,887	6,534
Ecuador	4,411	4,873	5,264	4,203	4,451	4,927	4,678
Indonesia	47,454	50,188	56,297	50,370	51,242	65,407	57,365
IR Iran	18,360	22,391	18,381	13,118	21,030	28,345	23,904
Iraq	496	731	4,602	5,500	13,067	20,380	16,510
Kuwait	12,780	14,889	14,222	9,553	12,165	19,436	16,212
SP Libyan AJ	8,510	10,155	9,576	6,032	7,961	12,716	11,337
Nigeria	12,248	16,142	16,525	11,346	13,227	26,953	17,930
Qatar	3,481	3,752	3,791	4,880	7,061	11,409	10,691
Saudi Arabia	50,041	60,728	60,732	38,822	50,689	77,481	67,973
United Arab Emirates	29,176	33,613	34,014	31,059	36,495	49,835	48,414
Venezuela	18,842	23,414	23,871	17,707	20,963	33,529	26,667
OPEC	220,700	260,036	266,939	207,224	256,030	376,813	327,348
	2002	2003	2004	2005	2006	2007	2008
Algeria	18,820	24,105	32,324	45,631	53,221	59,480	77,293
Angola	8,328	9,508	13,475	24,105	31,862	44,828	67,242
Ecuador	5,036	6,223	7,753	10,100	12,728	13,852	18,490
Indonesia	59,165	64,109	71,785	86,179	103,486	118,728	147,640
IR Iran	28,186	33,991	44,403	60,012	77,012	83,000	108,472
Iraq	13,250	7,990	18,490	23,697	30,529	38,150	58,806
Kuwait	15,351	20,675	28,599	44,868	55,710	62,200	87,500
SP Libyan AJ	9,882	14,647	20,410	30,948	39,200	45,000	60,257
Nigeria	18,573	24,047	38,420	50,105	58,726	60,500	76,829
Qatar	10,756	13,175	18,426	25,339	34,051	42,020	55,957
Saudi Arabia	72,464	93,244	125,998	180,572	211,306	234,145	304,362
United Arab Emirates	51,775	66,756	90,950	117,287	145,586	180,897	210,000
Venezuela	26,781	27,230	39,668	55,716	65,210	69,165	83,166
OPEC	338,367	405,700	550,701	754,559	918,627	1,051,965	1,356,014

Notes: Revisions have been made throughout the time series. Totals may not add up due to independent rounding.

OPEC Members' values of petroleum exports, 1988–2008 (*m \$*)

	1988	1989	1990	1991	1992	1993	1994
Algeria	5,725	6,815	9,588	8,464	7,885	6,902	6,335
Angola	2,199	2,711	3,670	3,288	3,418	2,741	2,709
Ecuador	783	1,084	1,347	1,161	1,339	1,257	1,319
Indonesia	5,042	6,062	7,404	6,714	6,619	5,693	6,005
IR Iran	8,419	11,315	16,831	15,276	15,184	12,773	13,576
Iraq	9,312	11,876	9,594	351	482	425	421
Kuwait	6,840	10,432	6,385	874	6,221	9,711	10,459
SP Libyan AJ	6,070	6,573	10,715	10,211	9,326	7,689	7,170
Nigeria	6,267	7,470	13,265	11,792	11,642	10,859	11,040
Qatar	1,709	1,955	3,273	2,828	2,870	2,811	2,623
Saudi Arabia	20,205	24,095	40,129	43,607	46,527	38,621	38,138
United Arab Emirates	7,627	10,215	14,846	14,356	14,251	12,118	11,683
Venezuela	8,023	9,862	13,912	12,119	11,014	10,855	11,288
OPEC	88,221	110,465	150,958	131,041	136,778	122,454	122,764
	1995	1996	1997	1998	1999	2000	2001
Algeria	6,938	8,826	8,352	5,691	8,314	14,204	11,736
Angola	3,460	4,910	4,539	3,030	4,539	7,059	5,774
Ecuador	1,543	1,661	1,321	904	1,422	2,400	1,870
Indonesia	6,443	7,228	6,783	4,057	5,435	7,742	6,904
IR Iran	14,973	19,441	15,553	10,048	16,098	25,443	21,420
Iraq	461	680	4,280	5,111	12,104	19,771	15,685
Kuwait	12,054	14,132	13,468	8,472	11,026	18,185	14,969
SP Libyan AJ	7,763	9,543	8,905	5,612	7,734	12,230	10,875
Nigeria	11,512	14,888	14,391	8,754	12,453	26,300	17,500
Qatar	2,987	3,489	3,744	3,357	4,775	7,834	6,964
Saudi Arabia	43,547	54,272	53,343	32,569	44,880	70,866	59,788
United Arab Emirates	12,822	14,980	15,269	11,131	15,021	26,148	23,909
Venezuela	13,517	18,246	18,330	12,178	16,735	27,874	21,745
OPEC	138,020	172,296	168,277	110,914	160,536	266,056	219,138
	2002	2003	2004	2005	2006	2007	2008
Algeria	12,370	16,476	23,050	32,882	38,342	37,817	47,018
Angola	7,538	8,711	12,579	22,700	28,800	42,000	64,000
Ecuador	2,081	2,626	4,253	5,891	7,565	8,252	11,750
Indonesia	6,535	7,175	7,620	15,186	15,330	15,700	20,100
IR Iran	19,219	26,124	34,289	53,219	59,131	64,901	88,918
Iraq	12,593	7,519	17,751	22,950	29,500	37,300	58,200
Kuwait	14,060	19,005	26,675	42,441	53,178	60,019	84,438
SP Libyan AJ	9,472	13,567	18,300	28,300	35,700	40,400	55,200
Nigeria	17,408	23,916	36,245	49,722	54,607	56,950	74,700
Qatar	6,885	8,814	11,694	17,585	23,350	29,130	38,950
Saudi Arabia	63,815	82,271	110,896	161,784	188,468	206,480	283,215
United Arab Emirates	22,806	29,183	38,801	55,079	70,100	84,390	102,500
Venezuela	21,532	22,029	32,871	48,143	58,438	62,555	77,862
OPEC	216,315	267,414	375,024	555,882	662,510	745,893	1,006,850

Notes: Totals may not add up due to independent rounding. Where applicable, petroleum product exports are included. Data for some countries may include condensates as well as other NGLs. Iraq data excludes border trades. Some countries import substantial amounts of crude and products, resulting in lower net revenue from petroleum operations.

Table 6

Summary

OPEC Members' values of imports, 1988–2008 (*m \$*)

	1988	1989	1990	1991	1992	1993	1994
Algeria	13,421	15,909	15,469	10,790	11,461	11,549	11,916
Angola	1,372	1,338	1,578	1,347	1,988	1,463	1,454
Ecuador	1,714	1,855	1,865	2,399	2,431	2,562	3,622
Indonesia	13,831	16,310	21,455	24,834	26,773	28,376	32,322
IR Iran	10,608	13,448	18,330	25,190	23,274	19,287	12,617
Iraq	10,268	9,899	6,526	423	603	533	499
Kuwait	6,145	6,301	3,972	4,761	7,257	7,038	6,697
SP Libyan AJ	5,868	4,923	5,336	5,363	5,051	5,622	4,271
Nigeria	5,533	4,178	5,627	8,986	8,275	5,537	6,613
Qatar	1,267	1,326	1,695	1,720	2,015	1,891	1,927
Saudi Arabia	21,784	21,153	24,107	29,088	33,273	28,202	23,351
United Arab Emirates	8,522	10,010	11,199	13,746	17,410	19,520	21,024
Venezuela	12,080	7,283	6,807	10,131	12,714	11,390	8,346
OPEC	112,412	113,933	123,965	138,778	152,525	142,971	134,659
	1995	1996	1997	1998	1999	2000	2001
Algeria	12,688	11,135	10,517	10,517	9,164	9,201	9,940
Angola	1,468	2,040	2,597	2,079	3,109	3,040	3,040
Ecuador	4,153	3,932	4,955	5,576	3,017	3,721	4,981
Indonesia	40,921	44,240	46,223	31,942	30,598	40,365	34,668
IR Iran	12,774	14,989	14,123	14,286	13,433	15,207	18,194
Iraq	665	3,532	4,419	5,983	10,917	13,210	13,832
Kuwait	7,784	8,373	8,246	8,616	7,616	7,156	7,828
SP Libyan AJ	5,147	5,587	5,533	5,600	4,253	4,018	4,425
Nigeria	8,222	6,438	9,501	9,211	10,105	10,553	11,482
Qatar	3,398	2,868	3,322	3,409	2,499	3,248	3,753
Saudi Arabia	28,087	27,765	28,743	30,013	27,995	30,197	31,182
United Arab Emirates	20,984	22,638	29,952	24,728	33,231	35,009	42,053
Venezuela	11,937	9,810	14,917	16,755	14,492	16,865	19,211
OPEC	158,227	163,348	183,048	168,715	170,430	191,790	204,588
	2002	2003	2004	2005	2006	2007	2008
Algeria	11,422	12,916	18,960	20,718	21,340	25,715	38,060
Angola	3,760	5,480	5,832	8,353	8,778	13,662	17,077
Ecuador	6,006	6,254	7,575	9,568	11,280	12,591	18,692
Indonesia	35,652	39,546	50,554	69,408	80,333	93,088	129,767
IR Iran	22,275	26,598	35,389	40,969	50,020	56,582	67,246
Iraq	9,817	9,934	19,954	18,748	21,480	24,809	37,219
Kuwait	9,000	10,985	12,630	15,801	15,953	23,593	26,060
SP Libyan AJ	5,511	6,141	8,735	11,188	13,213	19,515	27,907
Nigeria	13,631	17,193	19,442	25,639	31,113	38,788	44,672
Qatar	4,046	4,891	5,996	10,061	16,440	22,005	23,482
Saudi Arabia	32,290	36,916	47,376	59,463	69,707	90,157	117,673
United Arab Emirates	47,845	57,668	78,428	93,862	112,930	148,489	175,500
Venezuela	13,360	10,483	17,021	24,008	32,498	45,463	33,773
OPEC	214,615	245,006	327,892	407,786	485,084	614,457	757,128

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series. All figures cif.

Estimated current account balances in OPEC Members, 1988–2008 (*m \$*)

	1988	1989	1990	1991	1992	1993	1994
Algeria	-2,040	-1,081	1,420	2,367	1,020	362	-1,820
Angola	-469	-132	-236	-580	-735	-669	-340
Ecuador	-683	-716	-360	-707	-122	-845	-912
Indonesia	-1,552	-1,280	-3,240	-4,392	-3,122	-2,298	-2,961
IR Iran	-1,869	-191	327	-9,448	-6,504	-4,215	4,950
Iraq	-3,717	-2,872	-2,418	-3,407	-7,076	-8,451	-9,128
Kuwait	4,602	9,136	3,886	-26,479	-450	2,499	3,243
SP Libyan AJ	-1,826	-1,026	2,201	-219	1,407	-1,366	26
Nigeria	-215	-1,255	2,407	-1,269	-294	-884	-2,390
Qatar	-261	-4	306	-100	-9	-659	-502
Saudi Arabia	-7,341	-9,552	-4,153	-27,637	-17,739	-17,269	-10,487
United Arab Emirates	2,533	4,549	5,230	1,634	3,043	3,046	29
Venezuela	-5,809	2,161	8,279	1,736	-3,749	-1,993	2,541
OPEC	-18,647	-2,263	13,651	-68,500	-34,330	-32,742	-17,750

	1995	1996	1997	1998	1999	2000	2001
Algeria	-2,305	1,190	3,210	-920	300	9,142	7,025
Angola	-295	3,266	-884	-1,867	-1,710	796	-1,431
Ecuador	-994	4	-427	-2,001	877	921	-624
Indonesia	-6,760	-7,801	-5,202	4,097	5,783	7,992	6,901
IR Iran	3,358	5,232	2,213	-2,139	6,555	12,481	5,985
Iraq	-10,547	-10,046	-10,130	-12,045	-14,528	-8,169	-15,410
Kuwait	5,016	7,107	7,935	2,215	5,010	14,671	8,325
SP Libyan AJ	1,672	1,238	1,567	-209	2,136	6,270	3,332
Nigeria	-2,645	5,384	3,748	-4,315	502	7,015	974
Qatar	-2,160	-1,246	-1,679	-455	2,171	4,576	4,157
Saudi Arabia	-5,326	680	306	-13,148	411	14,317	9,353
United Arab Emirates	108	4,344	5,149	894	897	12,144	9,589
Venezuela	2,014	8,914	3,732	-4,432	2,112	11,853	1,983
OPEC	-18,864	18,265	9,538	-34,326	10,516	94,008	40,158

	2002	2003	2004	2005	2006	2007	2008
Algeria	4,583	7,030	10,168	18,072	18,545	32,483	37,082
Angola	-150	-720	686	5,138	10,690	9,402	17,671
Ecuador	-1,271	-422	-542	348	1,618	1,650	1,194
Indonesia	7,822	8,156	2,878	278	10,836	10,365	606
IR Iran	3,585	816	1,441	16,637	20,402	34,079	17,799
Iraq	-782	-935	-2,405	1,918	7,096	16,746	17,355
Kuwait	4,263	9,426	18,142	34,308	51,571	47,471	63,939
SP Libyan AJ	694	3,402	4,616	14,945	22,170	28,454	36,579
Nigeria	-971	5,465	15,461	24,202	21,500	21,972	12,900
Qatar	3,824	5,754	7,552	7,482	9,459	10,446	32,195
Saudi Arabia	11,873	28,048	49,295	89,990	98,934	95,017	141,800
United Arab Emirates	3,014	7,153	10,571	24,365	36,040	37,007	43,100
Venezuela	7,599	11,796	15,519	25,447	27,149	20,001	44,325
OPEC	44,083	84,969	133,383	263,129	336,009	365,094	466,546

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 8

Summary

Annual average exchange rates for OPEC Members, 1988–2008 (*units of national currency/\$*)

	1988	1989	1990	1991	1992	1993	1994
Algeria	5.915	7.609	8.958	18.473	21.836	23.345	35.059
Angola ¹	–	–	–	–	–	–	–
Ecuador ²	301.611	526.348	767.751	1,046.250	1,533.960	1,919.110	2,196.730
Indonesia	1,685.700	1,770.060	1,842.810	1,950.320	2,029.920	2,087.100	2,160.750
IR Iran ³	68.683	72.015	68.096	67.505	65.552	1,267.770	1,748.750
Iraq ⁴	0.311	0.311	0.311	0.311	0.311	0.311	0.311
Kuwait	0.279	0.294	0.288	0.284	0.293	0.302	0.297
SP Libyan AJ	0.286	0.300	0.283	0.281	0.282	0.304	0.348
Nigeria ⁵	4.537	7.365	8.038	9.909	17.298	22.065	21.996
Qatar	3.640	3.640	3.640	3.640	3.640	3.640	3.640
Saudi Arabia	3.750	3.750	3.750	3.750	3.750	3.750	3.750
United Arab Emirates	3.671	3.671	3.671	3.671	3.671	3.671	3.671
Venezuela ⁶	0.015	0.035	0.047	0.057	0.068	0.091	0.149
	1995	1996	1997	1998	1999	2000	2001
Algeria	47.663	54.749	57.707	58.739	66.574	75.260	77.215
Angola ¹	0.003	0.128	0.229	0.393	2.791	10.041	22.058
Ecuador ²	2,564.490	3,189.470	3,998.270	5,446.570	11,786.800	25,000.000	1.000
Indonesia	2,248.610	2,342.300	2,909.380	10,013.600	7,855.150	8,421.780	10,260.900
IR Iran ³	1,747.930	1,750.760	1,752.920	1,751.860	1,752.930	1,764.430	1,753.560
Iraq ⁴	0.311	0.311	0.311	0.311	0.311	0.311	0.311
Kuwait	0.298	0.299	0.303	0.305	0.304	0.307	0.307
SP Libyan AJ	0.418	0.437	0.461	0.468	0.464	0.512	0.605
Nigeria ⁵	21.895	21.884	21.886	21.886	92.338	101.697	111.231
Qatar	3.640	3.640	3.640	3.640	3.640	3.640	3.640
Saudi Arabia	3.750	3.750	3.750	3.750	3.750	3.750	3.750
United Arab Emirates	3.671	3.671	3.671	3.673	3.673	3.673	3.673
Venezuela ⁶	0.177	0.417	0.489	0.548	0.606	0.680	0.724
	2002	2003	2004	2005	2006	2007	2008
Algeria	79.682	77.395	72.061	73.276	72.647	69.292	64.583
Angola ¹	43.530	74.606	83.541	87.159	80.368	76.706	75.033
Ecuador ²	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Indonesia	9,311.190	8,577.130	8,938.850	9,704.740	9,159.320	9,141.000	9,698.960
IR Iran ³	6,906.960	8,193.890	8,613.990	8,963.960	9,170.940	9,281.150	9,428.530
Iraq ⁴	0.311	–	1,453.420	1,472.000	1,467.420	1,254.570	1,193.000
Kuwait	0.304	0.298	0.295	0.292	0.290	0.284	0.269
SP Libyan AJ	1.271	1.293	1.305	1.308	1.314	1.263	1.224
Nigeria ⁵	120.578	129.222	132.888	131.274	128.652	125.808	118.546
Qatar	3.640	3.640	3.640	3.640	3.640	3.640	3.640
Saudi Arabia	3.750	3.750	3.750	3.747	3.745	3.748	3.750
United Arab Emirates	3.673	3.673	3.673	3.673	3.673	3.673	3.673
Venezuela ⁶	1.161	1.607	1.891	2.090	2.147	2.147	2.147

Notes: Conversions to the US dollar are based on annual average market exchange rates; otherwise, official rates are applied.

1. Data prior to 1995 are not comparable to current exchange rates definitions due to several re-adjustments of exchange rate units.
2. In 2000, the Ecuadorian Congress approved a new exchange rate system, whereby the US dollar was adopted as the main legal tender.
3. In May 1995, a rate of \$1 = IR 3000 was introduced applicable to exports. Starting in March 2002, a unified exchange rate replaced the dual foreign exchange rate system.
4. The parallel market rate was 1,100 ID/\$ in 1995; 2,500 ID/\$ in 1996; 2,300 ID/\$ in 1997; 2,200 ID/\$ in 1998; 2,100 ID/\$ in 1999; 2,000 ID/\$ in 2000; 1,900 ID/\$ in 2001; 2,000 ID/\$ in 2002; and 2,100 ID/\$ in 2003. On October 15, 2003, the new national currency known as the 'new Iraqi dinar' replaced the 'old dinar'.
5. The autonomous market rate was 82.3 N/\$ in 1995; 81 N/\$ in 1996; 83.5 N/\$ in 1997; and 85.25 N/\$ in 1998. In January 1999, the dual exchange rate system was abolished.
6. On January 1, 2008, the new Venezuelan bolivar (VEF), equivalent to 1,000 old bolivares (VEB), was introduced.

Proven crude oil reserves in OPEC Members, 1988–2008 (m b)

	1988	1989	1990	1991	1992	1993	1994
Algeria	9,200	9,236	9,200	9,200	9,200	9,200	9,979
Angola	2,000	2,074	1,625	1,450	1,334	1,901	2,965
Ecuador	1,515	1,442	1,355	1,524	3,240	3,660	3,491
Indonesia	9,000	5,114	5,415	5,909	5,598	5,167	4,980
IR Iran	92,860	92,860	92,850	92,860	92,860	92,860	94,300
Iraq	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Kuwait	94,525	97,125	97,025	96,500	96,500	96,500	96,500
SP Libyan AJ	22,800	22,800	22,800	22,800	22,800	22,800	22,800
Nigeria	16,000	16,000	17,100	20,000	20,991	20,991	20,991
Qatar	4,500	4,500	2,993	2,993	3,121	3,121	3,500
Saudi Arabia	254,989	260,050	260,342	260,936	261,203	261,355	261,374
United Arab Emirates	98,105	98,105	98,100	98,100	98,100	98,100	98,100
Venezuela ¹	58,505	59,040	60,054	62,649	63,330	64,448	64,877
OPEC	763,999	768,346	768,859	774,921	778,276	780,102	783,856
	1995	1996	1997	1998	1999	2000	2001
Algeria	9,979	10,800	11,200	11,314	11,314	11,314	11,314
Angola	3,125	3,695	3,900	4,030	5,050	5,972	6,500
Ecuador	3,385	3,453	3,674	4,102	4,428	4,566	4,630
Indonesia	4,980	4,980	4,867	5,100	5,201	5,123	5,095
IR Iran	93,700	92,600	92,600	93,700	93,100	99,530	99,080
Iraq	100,000	112,000	112,500	112,500	112,500	112,500	115,000
Kuwait	96,500	96,500	96,500	96,500	96,500	96,500	96,500
SP Libyan AJ	29,500	29,500	29,500	29,500	29,500	36,000	36,000
Nigeria	20,828	20,828	20,828	22,500	29,000	29,000	31,506
Qatar	3,700	3,700	3,700	3,700	3,700	13,157	15,207
Saudi Arabia	261,450	261,444	261,541	261,542	262,784	262,766	262,697
United Arab Emirates	98,100	97,800	97,800	97,800	97,800	97,800	97,800
Venezuela ¹	66,329	72,667	74,931	76,108	76,848	76,848	77,685
OPEC	791,576	809,967	813,541	818,396	827,725	851,076	859,014
	2002	2003	2004	2005	2006	2007	2008
Algeria	11,314	11,800	11,350	12,270	12,200	12,200	12,200
Angola	8,900	8,801	9,035	9,050	9,330	9,500	9,500
Ecuador	5,060	5,060	5,180	5,180	5,180	6,368	6,511
Indonesia	4,722	4,320	4,301	4,188	4,370	3,990	3,990
IR Iran	130,690	133,250	132,460	136,270	138,400	136,150	137,620
Iraq	115,000	115,000	115,000	115,000	115,000	115,000	115,000
Kuwait	96,500	99,000	101,500	101,500	101,500	101,500	101,500
SP Libyan AJ	36,000	39,126	39,126	41,464	41,464	43,663	44,271
Nigeria	34,349	35,255	35,876	36,220	37,200	37,200	37,200
Qatar	15,207	26,089	25,494	25,288	26,185	25,090	25,405
Saudi Arabia	262,790	262,730	264,310	264,211	264,251	264,209	264,063
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	97,800	97,800
Venezuela ¹	77,307	77,226	79,729	80,012	87,324	99,377	172,323
OPEC	895,639	915,457	921,161	928,453	940,204	952,048	1,027,383

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

1. Including proven reserves of the Magna Reserve Project in the Orinoco Belt, which amounted to 94,168m b in 2008.

Table 10

Summary

World proven crude oil reserves by region, 1988–2008 (*m b*)

	1988	1989	1990	1991	1992	1993	1994
North America	32,959	32,401	31,839	29,974	28,838	27,993	27,356
Latin America	121,957	121,499	122,746	125,506	130,183	131,362	131,340
Eastern Europe	64,800	70,975	67,198	66,865	66,209	65,650	65,300
Western Europe	16,626	16,241	16,934	17,113	17,731	17,712	19,673
Middle East	653,830	661,348	660,019	660,471	661,317	661,471	663,752
Africa	57,815	58,073	58,599	60,243	61,139	61,203	63,924
Asia and Pacific	39,796	35,146	35,943	36,850	36,659	38,028	38,010
Total world	987,780	995,683	993,278	997,021	1,002,075	1,003,418	1,009,354
OPEC	763,999	768,346	768,859	774,921	778,276	780,102	783,856
<i>OPEC percentage</i>	<i>77.3</i>	<i>77.2</i>	<i>77.4</i>	<i>77.7</i>	<i>77.7</i>	<i>77.7</i>	<i>77.7</i>
	1995	1996	1997	1998	1999	2000	2001
North America	27,245	26,856	27,477	25,911	26,469	26,901	27,101
Latin America	132,473	138,792	140,886	123,836	125,714	122,233	124,584
Eastern Europe	65,020	63,848	64,864	85,400	88,901	89,268	114,614
Western Europe	21,268	18,989	19,124	18,459	18,857	19,280	19,498
Middle East	663,380	673,932	674,429	675,456	676,387	692,979	697,038
Africa	71,515	74,085	74,405	77,022	84,570	93,307	96,860
Asia and Pacific	37,966	37,789	38,907	40,009	42,361	42,681	43,235
Total world	1,018,867	1,034,291	1,040,092	1,046,094	1,063,258	1,086,648	1,122,930
OPEC	791,576	809,967	813,541	818,396	827,725	851,076	859,014
<i>OPEC percentage</i>	<i>77.7</i>	<i>78.3</i>	<i>78.2</i>	<i>78.2</i>	<i>77.8</i>	<i>78.3</i>	<i>76.5</i>
	2002	2003	2004	2005	2006	2007	2008
North America	27,167	26,954	26,243	26,579	26,699	25,872	26,217
Latin America	117,528	117,045	118,978	118,455	124,252	137,398	210,507
Eastern Europe	123,312	126,694	126,095	127,266	128,852	128,979	128,979
Western Europe	18,309	16,923	17,174	16,952	15,369	14,913	14,805
Middle East	728,957	744,815	748,423	751,690	754,616	750,619	752,258
Africa	101,889	112,170	113,184	117,372	118,794	121,349	122,041
Asia and Pacific	40,448	40,221	40,242	40,640	40,964	40,223	40,278
Total world	1,157,610	1,184,823	1,190,338	1,198,953	1,209,545	1,219,351	1,295,085
OPEC	895,639	915,457	921,161	928,453	940,204	952,048	1,027,383
<i>OPEC percentage</i>	<i>77.4</i>	<i>77.3</i>	<i>77.4</i>	<i>77.4</i>	<i>77.7</i>	<i>78.1</i>	<i>79.3</i>

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Proven natural gas reserves in OPEC Members, 1988–2008 (*billion standard cu m*)

	1988	1989	1990	1991	1992	1993	1994
Algeria	3,234	3,250	3,300	3,626	3,650	3,700	2,963
Angola	49	51	50	49	51	48	51
Ecuador	106	107	111	110	109	108	107
Indonesia	2,561	2,553	2,864	1,840	1,820	1,820	1,820
IR Iran	14,200	17,000	17,003	19,800	20,700	20,700	20,764
Iraq	2,690	3,115	3,107	3,100	3,100	3,100	3,115
Kuwait	1,378	1,400	1,518	1,500	1,485	1,498	1,499
SP Libyan AJ	827	1,218	1,208	1,309	1,299	1,289	1,310
Nigeria	2,476	2,832	2,840	3,400	3,716	3,683	3,450
Qatar	4,621	4,620	4,615	6,428	7,079	7,100	8,500
Saudi Arabia	5,020	5,218	5,223	5,221	5,249	5,249	5,260
United Arab Emirates	5,663	5,650	5,623	5,793	5,795	5,795	6,777
Venezuela	2,856	2,993	3,429	3,582	3,693	3,693	3,965
OPEC	45,681	50,006	50,890	55,757	57,746	57,783	59,581

	1995	1996	1997	1998	1999	2000	2001
Algeria	3,690	3,700	4,077	4,077	4,520	4,523	4,523
Angola	49	49	46	48	60	269	269
Ecuador	106	105	103	102	29	10	10
Indonesia	1,950	2,050	2,152	2,181	2,620	2,682	2,603
IR Iran	19,350	23,000	23,000	24,100	22,370	26,600	26,600
Iraq	3,360	3,360	3,188	3,188	3,285	3,109	3,109
Kuwait	1,494	1,489	1,490	1,482	1,482	1,557	1,557
SP Libyan AJ	1,313	1,313	1,315	1,315	1,314	1,314	1,314
Nigeria	3,474	3,475	3,483	3,512	3,512	4,106	4,633
Qatar	8,500	8,500	8,500	10,900	11,157	14,443	25,783
Saudi Arabia	5,545	5,693	5,882	6,068	6,146	6,301	6,456
United Arab Emirates	5,859	5,784	6,063	5,996	5,936	6,060	6,060
Venezuela	4,065	4,052	4,121	4,147	4,152	4,152	4,180
OPEC	58,754	62,570	63,420	67,116	66,583	75,126	87,096

	2002	2003	2004	2005	2006	2007	2008
Algeria	4,523	4,545	4,545	4,504	4,504	4,504	4,504
Angola	269	269	270	270	270	270	272
Ecuador	10	9	9	9	9	8	8
Indonesia	2,557	2,608	2,769	2,756	2,659	3,002	3,100
IR Iran	26,690	27,570	27,500	27,580	26,850	28,080	29,610
Iraq	3,190	3,170	3,170	3,170	3,170	3,170	3,170
Kuwait	1,557	1,572	1,572	1,572	1,780	1,784	1,784
SP Libyan AJ	1,503	1,491	1,491	1,491	1,420	1,540	1,540
Nigeria	4,997	5,055	5,229	5,152	5,207	5,292	5,249
Qatar	25,783	25,783	25,783	25,636	25,636	25,636	25,466
Saudi Arabia	6,646	6,754	6,834	6,900	7,154	7,305	7,570
United Arab Emirates	6,060	6,060	6,060	6,060	6,040	6,072	6,091
Venezuela	4,181	4,219	4,287	4,315	4,708	4,838	4,983
OPEC	87,966	89,105	89,519	89,415	89,407	91,502	93,347

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 12

Summary

World proven natural gas reserves by region, 1988–2008 (*billion standard cu m*)

	1988	1989	1990	1991	1992	1993	1994
North America	7,451	7,465	7,521	7,442	7,345	6,832	6,538
Latin America	7,099	7,109	7,538	7,656	7,839	7,935	7,868
Eastern Europe	40,467	49,293	51,600	52,389	53,497	54,944	55,162
Western Europe	5,260	5,232	5,705	5,835	6,239	6,243	6,296
Middle East	34,359	37,864	38,014	43,127	44,788	44,976	47,438
Africa	7,682	8,466	8,524	9,603	9,947	10,185	9,223
Asia and Pacific	9,910	10,386	10,928	10,614	10,347	11,244	10,994
Total world	112,227	125,815	129,830	136,666	140,002	142,358	143,520
OPEC	45,681	50,006	50,890	55,757	57,746	57,783	59,581
<i>OPEC percentage</i>	<i>40.7</i>	<i>39.7</i>	<i>39.2</i>	<i>40.8</i>	<i>41.2</i>	<i>40.6</i>	<i>41.5</i>
	1995	1996	1997	1998	1999	2000	2001
North America	6,606	6,556	6,545	6,393	6,460	6,708	6,889
Latin America	7,932	7,978	8,075	7,291	7,672	7,720	7,814
Eastern Europe	54,418	53,671	54,206	53,919	53,309	53,160	53,238
Western Europe	6,421	6,393	7,072	7,108	7,563	7,446	7,258
Middle East	45,635	49,467	49,795	53,406	52,053	59,811	71,259
Africa	9,923	10,173	10,635	10,793	11,440	12,463	13,133
Asia and Pacific	11,732	12,291	12,609	12,869	12,233	12,469	13,362
Total world	142,667	146,529	148,936	151,779	150,730	159,776	172,953
OPEC	58,754	62,570	63,420	67,116	66,583	75,126	87,096
<i>OPEC percentage</i>	<i>41.2</i>	<i>42.7</i>	<i>42.6</i>	<i>44.2</i>	<i>44.2</i>	<i>47.0</i>	<i>50.4</i>
	2002	2003	2004	2005	2006	2007	2008
North America	6,959	6,956	7,051	7,421	7,599	8,360	9,168
Latin America	7,359	7,247	7,393	7,263	7,624	7,768	8,007
Eastern Europe	53,471	54,397	54,197	54,526	54,588	54,650	55,000
Western Europe	6,900	6,195	6,015	5,836	5,524	5,344	5,292
Middle East	71,622	72,653	72,521	72,518	72,235	73,643	75,289
Africa	13,760	13,887	14,195	14,269	14,317	14,608	14,692
Asia and Pacific	13,488	13,763	14,008	14,439	14,543	15,180	15,394
Total world	173,558	175,098	175,379	176,272	176,429	179,554	182,842
OPEC	87,966	89,105	89,519	89,415	89,407	91,502	93,347
<i>OPEC percentage</i>	<i>50.7</i>	<i>50.9</i>	<i>51.0</i>	<i>50.7</i>	<i>50.7</i>	<i>51.0</i>	<i>51.1</i>

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Crude oil production in OPEC Members, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
Algeria	672.9	727.3	783.5	803.0	756.5	747.3	752.5
Angola	452.1	452.7	473.8	497.0	549.1	504.5	550.3
Ecuador	300.8	278.9	286.1	309.3	320.5	340.4	372.7
Indonesia	1,161.5	1,231.0	1,299.3	1,450.0	1,347.7	1,327.3	1,332.8
IR Iran	2,478.5	2,814.1	3,135.3	3,406.8	3,431.6	3,425.2	3,596.0
Iraq	2,744.5	2,785.8	2,112.6	282.5	526.2	659.5	748.7
Kuwait ¹	1,190.1	1,277.5	858.6	185.3	1,057.2	1,881.8	2,006.6
SP Libyan AJ	1,022.7	1,129.2	1,389.1	1,405.9	1,432.7	1,361.0	1,389.8
Nigeria	1,341.3	1,716.3	1,726.7	1,893.1	1,957.0	1,905.2	1,820.9
Qatar	228.0	320.2	405.6	391.2	423.2	390.3	378.7
Saudi Arabia ¹	5,100.1	5,064.5	6,412.5	8,117.8	8,331.7	8,047.7	8,049.0
United Arab Emirates	1,323.5	1,593.0	1,762.6	2,027.4	2,235.7	2,159.3	2,166.5
Venezuela	1,578.1	1,747.4	2,135.2	2,286.2	2,345.6	2,326.0	2,367.9
OPEC	19,594.3	21,137.9	22,780.9	23,055.5	24,714.7	25,075.5	25,532.4
	1995	1996	1997	1998	1999	2000	2001
Algeria	752.5	805.7	846.1	827.3	749.6	796.0	776.6
Angola	607.1	679.2	713.6	712.5	720.8	736.1	740.4
Ecuador	380.5	377.9	381.8	367.3	362.6	392.2	394.5
Indonesia	1,328.4	1,326.7	1,330.4	1,315.4	1,355.5	1,272.5	1,214.2
IR Iran	3,595.0	3,596.0	3,603.4	3,714.0	3,439.0	3,661.3	3,572.0
Iraq	736.9	740.4	1,383.9	2,181.1	2,719.8	2,810.0	2,593.7
Kuwait ¹	2,006.6	2,005.6	2,007.1	2,051.5	1,872.7	1,996.1	1,947.0
SP Libyan AJ	1,399.0	1,394.0	1,395.8	1,449.0	1,287.2	1,347.2	1,323.5
Nigeria	1,842.6	1,863.1	1,876.7	1,939.0	1,781.5	2,053.6	2,017.6
Qatar	389.8	393.1	405.0	618.1	608.5	648.2	632.9
Saudi Arabia ¹	8,023.4	8,102.3	8,011.7	8,280.2	7,564.7	8,094.5	7,888.9
United Arab Emirates	2,148.0	2,161.3	2,160.7	2,244.1	2,048.8	2,174.7	2,115.2
Venezuela	2,378.5	2,381.0	2,411.0	3,120.0	2,800.4	2,891.0	2,791.9
OPEC	25,588.4	25,826.3	26,527.1	28,819.6	27,311.2	28,873.3	28,008.3
	2002	2003	2004	2005	2006	2007	2008
Algeria	729.9	942.4	1,311.4	1,352.0	1,368.8	1,371.6	1,356.0
Angola	894.2	901.2	1,020.3	1,241.4	1,384.6	1,694.6	1,896.3
Ecuador	378.6	402.0	507.3	511.9	518.4	511.4	501.4
Indonesia	1,125.4	1,139.7	1,094.4	1,059.3	883.0	837.6	856.7
IR Iran	3,248.0	3,741.6	3,834.2	4,091.5	4,072.6	4,030.7	4,055.7
Iraq	2,126.5	1,377.8	2,107.1	1,853.2	1,957.2	2,035.2	2,280.5
Kuwait ¹	1,745.9	2,107.6	2,288.7	2,573.4	2,664.5	2,574.5	2,676.0
SP Libyan AJ	1,200.9	1,431.9	1,580.7	1,693.2	1,751.2	1,673.9	1,721.5
Nigeria	1,801.7	2,166.3	2,327.5	2,365.9	2,233.9	2,059.3	2,017.4
Qatar	568.9	676.0	755.3	765.9	802.9	845.3	842.8
Saudi Arabia ¹	7,093.1	8,410.3	8,897.0	9,353.3	9,207.9	8,816.0	9,198.0
United Arab Emirates	1,900.3	2,248.0	2,343.6	2,378.0	2,568.0	2,529.0	2,572.2
Venezuela	2,782.0	2,643.0	3,009.4	3,066.8	3,035.6	2,949.5	3,118.5
OPEC	25,595.3	28,187.9	31,076.8	32,305.7	32,448.6	31,928.6	33,093.0

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

1. Including share of production from Neutral Zone.

Table 14

Summary

World crude oil production by region, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
North America	9,419.7	8,836.3	8,562.4	8,611.7	8,406.8	8,143.0	8,012.3
Latin America	6,114.2	6,346.6	6,871.6	7,134.0	7,270.8	7,350.8	7,556.3
Eastern Europe	12,367.7	12,037.7	11,274.6	10,139.3	8,843.1	7,921.0	7,167.4
Western Europe	4,045.9	3,896.2	4,085.1	4,299.6	4,555.8	4,818.6	5,568.4
Middle East	14,149.9	15,133.7	16,076.9	15,892.1	17,563.1	18,264.5	18,808.5
Africa	4,961.2	5,551.5	5,966.5	6,206.7	6,329.3	6,150.8	6,146.6
Asia and Pacific	5,854.4	6,004.3	6,269.6	6,413.3	6,358.3	6,458.2	6,629.6
Total world	56,913.0	57,806.3	59,106.7	58,696.7	59,327.3	59,106.9	59,889.1
OPEC	19,594.3	21,137.9	22,780.9	23,055.5	24,714.7	25,075.5	25,532.4
<i>OPEC percentage</i>	<i>34.4</i>	<i>36.6</i>	<i>38.5</i>	<i>39.3</i>	<i>41.7</i>	<i>42.4</i>	<i>42.6</i>
	1995	1996	1997	1998	1999	2000	2001
North America	7,939.8	7,865.8	7,865.7	7,679.4	7,227.1	7,213.1	7,178.8
Latin America	7,721.2	8,148.0	8,476.2	9,467.4	9,122.9	9,316.5	9,327.4
Eastern Europe	7,052.7	6,937.9	7,099.7	7,087.6	7,221.8	7,630.6	8,249.6
Western Europe	5,796.2	6,159.5	6,180.0	6,078.9	6,150.3	6,287.5	6,033.6
Middle East	18,856.3	19,012.3	19,603.7	21,115.6	20,283.2	21,410.4	20,776.6
Africa	6,248.6	6,426.3	6,581.8	6,674.1	6,284.0	6,745.6	6,613.3
Asia and Pacific	6,828.7	7,022.3	7,117.2	7,044.4	7,106.6	7,253.2	7,207.6
Total world	60,443.5	61,572.1	62,924.1	65,147.4	63,395.9	65,856.9	65,386.9
OPEC	25,588.4	25,826.3	26,527.1	28,819.6	27,311.2	28,873.3	28,008.3
<i>OPEC percentage</i>	<i>42.3</i>	<i>41.9</i>	<i>42.2</i>	<i>44.2</i>	<i>43.1</i>	<i>43.8</i>	<i>42.8</i>
	2002	2003	2004	2005	2006	2007	2008
North America	7,191.3	7,140.1	6,823.9	6,538.3	6,447.8	6,489.5	6,303.5
Latin America	9,474.5	9,549.4	9,961.8	10,130.3	10,077.8	9,795.6	9,811.1
Eastern Europe	9,040.0	9,960.9	10,745.7	11,083.2	11,532.4	11,996.7	12,028.9
Western Europe	5,951.6	5,628.2	5,374.9	4,905.1	4,501.5	4,319.9	4,037.9
Middle East	18,618.3	20,408.5	21,981.5	22,722.0	22,900.8	22,362.0	23,125.5
Africa	6,429.2	7,246.4	8,276.9	8,815.7	8,958.4	9,103.7	9,323.7
Asia and Pacific	7,275.9	7,287.7	7,347.1	7,445.9	7,310.7	7,319.5	7,397.7
Total world	63,980.8	67,221.1	70,511.7	71,640.5	71,729.3	71,386.9	72,028.3
OPEC	25,595.3	28,187.9	31,076.8	32,305.7	32,448.6	31,928.6	33,093.0
<i>OPEC percentage</i>	<i>40.0</i>	<i>41.9</i>	<i>44.1</i>	<i>45.1</i>	<i>45.2</i>	<i>44.7</i>	<i>45.9</i>

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Marketed production of natural gas in OPEC Members, 1988–2008 (*million standard cu m*)

	1988	1989	1990	1991	1992	1993	1994
Algeria	46,290	48,400	51,600	53,910	52,465	53,140	51,157
Angola	500	430	540	580	570	560	560
Ecuador	80	80	100	100	100	100	100
Indonesia	38,510	43,234	47,580	51,370	54,190	55,860	63,473
IR Iran	20,000	22,200	24,200	32,200	35,100	36,900	40,400
Iraq	5,600	6,450	3,980	1,740	2,270	2,550	3,170
Kuwait	6,840	8,160	4,190	500	2,620	5,420	5,970
SP Libyan AJ	5,500	6,800	6,200	6,540	6,770	6,360	6,390
Nigeria	3,770	4,322	4,010	4,400	4,421	5,050	4,550
Qatar	5,860	6,200	6,300	7,630	12,620	13,500	13,500
Saudi Arabia	29,100	29,800	33,520	35,170	38,250	40,040	42,770
United Arab Emirates	19,360	22,380	22,110	25,810	22,170	22,990	25,820
Venezuela	19,028	19,538	21,966	21,902	21,617	25,613	24,675
OPEC	200,438	217,994	226,296	241,852	253,163	268,083	282,535
	1995	1996	1997	1998	1999	2000	2001
Algeria	55,622	59,024	67,714	72,511	81,507	83,119	78,240
Angola	560	560	570	580	560	570	530
Ecuador	120	120	100	100	100	140	160
Indonesia	63,360	66,660	67,150	64,250	70,960	68,365	66,300
IR Iran	38,600	40,410	47,000	50,000	56,755	60,240	66,000
Iraq	3,170	3,240	3,050	2,950	3,180	3,150	2,760
Kuwait	9,278	9,302	9,270	9,491	8,688	9,600	9,500
SP Libyan AJ	6,340	6,420	6,570	6,360	5,200	5,880	6,180
Nigeria	4,844	5,460	5,850	5,900	6,950	12,460	14,900
Qatar	13,500	13,700	17,400	19,580	22,050	24,900	27,000
Saudi Arabia	42,930	44,510	45,840	46,720	46,200	49,810	53,690
United Arab Emirates	31,320	33,800	36,310	37,070	38,990	38,380	44,940
Venezuela	25,200	29,730	30,211	31,440	26,771	27,801	31,710
OPEC	294,844	312,936	337,035	346,952	367,911	384,415	401,910
	2002	2003	2004	2005	2006	2007	2008*
Algeria	80,367	82,829	82,009	89,235	88,209	84,827	86,505
Angola	600	650	750	650	680	830	680
Ecuador	100	150	240	260	280	275	260
Indonesia	70,350	72,700	72,800	68,700	69,300	68,261	70,000
IR Iran	75,000	81,500	89,663	103,500	108,600	111,900	116,300
Iraq	2,360	1,560	1,000	1,450	1,450	1,460	1,880
Kuwait	8,710	10,000	10,900	12,300	12,410	12,060	12,700
SP Libyan AJ	5,900	5,500	8,060	11,300	13,195	15,280	15,900
Nigeria	15,967	19,023	22,388	22,400	28,500	32,500	32,825
Qatar	29,500	31,400	39,170	45,800	50,700	63,200	76,981
Saudi Arabia	57,320	60,060	65,680	71,240	73,461	74,420	80,440
United Arab Emirates	43,390	44,800	46,290	47,790	48,790	50,290	50,240
Venezuela	28,415	26,060	23,900	23,444	20,340	20,729	20,750
OPEC	417,979	436,232	462,850	498,069	515,915	536,032	565,461

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 16

Summary

World marketed production of natural gas by region, 1988–2008 (*million standard cu m*)

	1988	1989	1990	1991	1992	1993	1994
North America	582,498	595,216	611,194	616,016	633,128	651,464	682,075
Latin America	79,578	81,798	85,696	85,642	82,317	93,043	94,765
Eastern Europe	770,169	792,874	803,038	794,918	763,871	746,051	705,378
Western Europe	200,560	205,110	203,850	216,240	219,600	231,280	233,820
Middle East	94,530	106,180	105,740	115,040	126,510	135,910	146,480
Africa	63,510	68,202	70,890	74,890	74,606	78,720	77,077
Asia and Pacific	133,450	143,964	151,170	164,300	175,970	183,810	201,133
Total world	1,924,295	1,993,344	2,031,578	2,067,046	2,076,002	2,120,278	2,140,728
OPEC	200,438	217,994	226,296	241,852	253,163	268,083	282,535
<i>OPEC percentage</i>	<i>10.4</i>	<i>10.9</i>	<i>11.1</i>	<i>11.7</i>	<i>12.2</i>	<i>12.6</i>	<i>13.2</i>

	1995	1996	1997	1998	1999	2000	2001
North America	685,328	697,549	700,829	709,042	710,710	726,434	742,345
Latin America	99,630	109,950	114,471	122,670	125,251	131,461	138,770
Eastern Europe	693,533	699,302	657,056	672,034	682,102	699,097	701,480
Western Europe	241,800	278,990	271,960	271,640	277,020	282,630	284,750
Middle East	152,708	159,962	178,680	187,161	196,193	209,000	232,900
Africa	82,296	88,084	98,394	103,511	113,797	125,589	130,270
Asia and Pacific	210,470	227,740	239,190	241,880	258,390	273,475	281,960
Total world	2,165,765	2,261,577	2,260,580	2,307,938	2,363,463	2,447,685	2,512,475
OPEC	294,844	312,936	337,035	346,952	367,911	384,415	401,910
<i>OPEC percentage</i>	<i>13.6</i>	<i>13.8</i>	<i>14.9</i>	<i>15.0</i>	<i>15.6</i>	<i>15.7</i>	<i>16.0</i>

	2002	2003	2004	2005	2006	2007	2008*
North America	723,856	723,582	710,100	696,970	708,745	719,550	749,100
Latin America	140,795	154,440	164,860	173,004	180,400	187,474	194,230
Eastern Europe	714,579	747,887	771,248	784,870	804,430	814,780	832,790
Western Europe	293,940	295,910	302,240	293,640	282,600	269,590	282,750
Middle East	247,520	262,600	289,193	319,970	337,601	356,670	382,511
Africa	134,034	144,502	153,597	175,625	186,094	192,767	202,110
Asia and Pacific	302,760	322,480	340,040	362,810	378,850	389,501	410,580
Total world	2,557,484	2,651,401	2,731,278	2,806,888	2,878,720	2,930,332	3,054,071
OPEC	417,979	436,232	462,850	498,069	515,915	536,032	565,461
<i>OPEC percentage</i>	<i>16.3</i>	<i>16.5</i>	<i>16.9</i>	<i>17.7</i>	<i>17.9</i>	<i>18.3</i>	<i>18.5</i>

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 17
Summary

Refining capacity in OPEC Members, 1988–2008 (1,000 b/cd)

	1988	1989	1990	1991	1992	1993	1994
Algeria	471.2	474.5	474.5	474.5	474.5	474.5	468.6
Angola	32.1	32.1	37.6	32.1	32.1	32.1	32.1
Ecuador	133.0	135.1	135.1	135.1	135.1	135.1	135.1
Indonesia	738.7	751.3	751.3	782.8	782.8	782.8	895.3
IR Iran	615.0	777.0	777.0	957.0	957.0	1,092.0	1,092.0
Iraq	365.5	550.0	550.0	550.0	550.0	595.0	603.0
Kuwait	670.0	670.0	670.0	670.0	670.0	670.0	820.0
SP Libyan AJ	342.0	342.0	342.0	342.0	342.0	342.0	342.0
Nigeria	265.5	400.5	400.5	400.5	400.5	400.5	400.5
Qatar	63.0	63.0	63.0	63.0	63.0	63.0	63.0
Saudi Arabia	1,425.0	1,750.0	1,750.0	1,750.0	1,550.0	1,550.0	1,670.0
United Arab Emirates	180.0	180.0	192.5	192.5	192.5	205.0	205.0
Venezuela	1,201.1	1,167.0	1,224.0	1,224.0	1,224.0	1,181.0	1,181.0
OPEC	6,502.1	7,292.5	7,367.5	7,573.5	7,373.5	7,523.0	7,740.4
	1995	1996	1997	1998	1999	2000	2001
Algeria	462.2	462.2	462.2	462.2	462.2	462.2	462.2
Angola	32.1	32.1	32.1	39.0	39.0	39.0	39.0
Ecuador	135.1	148.0	168.0	176.0	176.0	176.0	176.0
Indonesia	891.2	891.2	891.2	929.7	929.7	1,057.0	1,057.0
IR Iran	1,092.0	1,092.0	1,208.0	1,524.0	1,524.0	1,474.0	1,474.0
Iraq	603.0	603.0	603.0	603.0	603.0	603.0	603.0
Kuwait	820.0	797.0	874.5	829.6	899.0	899.0	899.0
SP Libyan AJ	342.0	342.0	342.0	342.0	342.0	380.0	380.0
Nigeria	424.0	424.0	424.0	424.0	424.0	445.0	445.0
Qatar	63.0	63.0	63.0	63.0	63.0	63.0	63.0
Saudi Arabia	1,670.0	1,670.0	1,693.0	1,780.0	1,810.0	1,825.0	1,825.0
United Arab Emirates	211.0	246.0	291.0	291.0	411.0	420.0	491.3
Venezuela	1,181.0	1,183.2	1,183.2	1,200.3	1,188.4	1,183.2	1,183.2
OPEC	7,926.6	7,953.7	8,235.2	8,663.8	8,871.3	9,026.4	9,097.7
	2002	2003	2004	2005	2006	2007	2008
Algeria	462.2	462.2	462.2	462.2	455.2	475.0	523.1
Angola	39.0	39.0	39.0	39.0	39.0	39.0	39.0
Ecuador	176.0	176.0	176.0	176.0	176.0	188.4	188.4
Indonesia	1,057.0	1,057.0	1,055.5	1,057.0	1,057.0	1,050.6	1,050.6
IR Iran	1,474.0	1,474.0	1,474.0	1,474.0	1,474.0	1,474.0	1,474.0
Iraq	603.0	603.0	603.0	603.0	638.5	638.5	658.5
Kuwait	899.0	831.0	936.0	936.0	932.0	936.0	936.0
SP Libyan AJ	380.0	380.0	380.0	380.0	380.0	380.0	380.0
Nigeria	445.0	445.0	445.0	445.0	445.0	445.0	445.0
Qatar	80.0	80.0	80.0	80.0	80.0	80.0	80.0
Saudi Arabia	1,825.0	2,064.0	2,077.0	2,091.0	2,135.5	2,130.0	2,135.0
United Arab Emirates	491.3	466.3	466.3	466.3	466.3	466.3	466.3
Venezuela	1,199.0	1,003.8	1,045.7	1,054.3	1,039.8	1,756.1	1,748.6
OPEC	9,130.5	9,081.3	9,239.7	9,263.8	9,318.3	10,058.8	10,124.5

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Some figures were converted from barrels per stream day. According to direct communications, refinery capacity for Kuwait was 336,000 b/cd in 1992 and 552,000 b/cd in 1993. For the years 1991 and 1992 in Iraq, and for the years 1991–93 in Kuwait, pre-Gulf crisis capacity is given. All data excludes condensate refineries.

Table 18

Summary

World refining capacity by region, 1988–2008 (1,000 b/cd)

	1988	1989	1990	1991	1992	1993	1994
North America	17,510.7	17,423.8	17,557.7	17,705.1	17,037.5	16,988.9	17,418.5
Latin America	7,357.5	7,564.0	7,765.7	7,538.9	7,604.8	7,443.6	7,387.6
Eastern Europe ¹	14,317.0	14,317.0	12,255.1	12,202.7	12,204.5	12,183.9	12,305.2
Western Europe	14,937.8	14,734.6	14,833.0	14,973.5	15,055.7	14,887.0	14,757.8
Middle East	4,377.7	5,049.2	5,055.8	5,266.9	5,079.9	5,260.1	5,559.1
Africa	2,651.5	2,790.8	2,826.4	2,820.2	2,818.8	2,746.1	2,780.9
Asia and Pacific	12,254.6	12,399.0	12,849.1	13,207.4	14,129.8	14,426.2	14,992.1
Total world	73,406.7	74,278.4	73,142.8	73,714.6	73,930.9	73,935.8	75,201.2
OPEC	6,502.1	7,292.5	7,367.5	7,573.5	7,373.5	7,523.0	7,740.4
<i>OPEC percentage</i>	<i>8.9</i>	<i>9.8</i>	<i>10.1</i>	<i>10.3</i>	<i>10.0</i>	<i>10.2</i>	<i>10.3</i>
	1995	1996	1997	1998	1999	2000	2001
North America	17,359.2	17,324.4	17,627.6	17,802.7	18,452.6	18,444.8	18,508.4
Latin America	7,447.2	7,457.9	7,922.6	7,811.3	7,869.9	8,106.7	7,993.4
Eastern Europe ¹	12,193.9	12,125.4	11,976.2	11,364.3	11,314.9	9,972.2	10,164.6
Western Europe	14,698.9	14,672.2	14,864.4	14,980.0	14,840.0	14,873.5	14,938.8
Middle East	5,565.1	5,528.3	5,781.0	6,134.5	6,353.9	6,337.9	6,409.2
Africa	2,795.9	2,833.3	2,888.3	2,944.5	2,982.5	3,257.7	3,247.3
Asia and Pacific	15,905.8	16,604.3	16,866.6	18,681.8	20,545.2	21,296.0	21,489.4
Total world	75,966.0	76,545.7	77,926.8	79,719.1	82,359.0	82,288.8	82,751.2
OPEC	7,926.6	7,953.7	8,235.2	8,663.8	8,871.3	9,026.4	9,097.7
<i>OPEC percentage</i>	<i>10.4</i>	<i>10.4</i>	<i>10.6</i>	<i>10.9</i>	<i>10.8</i>	<i>11.0</i>	<i>11.0</i>
	2002	2003	2004	2005	2006	2007	2008
North America	18,606.8	18,686.0	18,792.2	19,143.2	19,313.8	19,416.7	19,409.1
Latin America	8,255.3	8,128.8	8,150.0	8,147.0	7,980.4	7,991.0	8,135.9
Eastern Europe ¹	10,128.3	10,085.5	9,871.1	9,822.4	9,859.4	9,921.4	9,814.9
Western Europe	14,991.5	15,047.8	15,116.6	15,415.9	15,445.4	15,405.2	15,439.2
Middle East	6,423.9	6,570.0	6,688.0	6,707.7	6,903.0	6,914.6	7,036.2
Africa	3,278.3	3,303.8	3,267.8	3,288.8	3,250.6	3,275.4	3,278.4
Asia and Pacific	21,374.4	21,259.2	22,605.0	22,863.6	23,900.5	24,438.1	25,089.8
Total world	83,058.5	83,081.1	84,490.7	85,388.6	86,653.1	87,362.4	88,203.5
OPEC	9,130.5	9,081.3	9,239.7	9,263.8	9,318.3	10,058.8	10,124.5
<i>OPEC percentage</i>	<i>11.0</i>	<i>10.9</i>	<i>10.9</i>	<i>10.8</i>	<i>10.8</i>	<i>11.5</i>	<i>11.5</i>

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Some figures were converted from barrels per stream day. All data excludes condensate refineries.

1. Downward changes as of 1990 reflect more accurate statistics from the countries of the former Soviet Union.

Output of refined products in OPEC Members, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
Algeria	433.3	433.6	435.3	428.6	434.5	426.1	429.8
Angola	29.7	32.7	33.0	34.2	35.4	32.5	36.4
Ecuador	–	–	–	–	–	–	–
Indonesia	606.5	640.4	711.2	677.8	649.9	770.5	767.4
IR Iran	614.1	669.9	751.0	806.1	851.4	911.7	916.9
Iraq	351.5	389.2	344.8	274.3	358.0	417.7	457.7
Kuwait	652.2	689.0	554.7	105.7	313.3	449.4	782.4
SP Libyan AJ	222.8	261.5	278.0	282.0	282.4	286.8	295.4
Nigeria	154.8	214.2	257.2	242.8	218.9	220.3	108.4
Qatar	37.6	49.3	57.2	53.2	58.4	49.4	57.1
Saudi Arabia	1,442.3	1,335.2	1,537.6	1,417.1	1,447.5	1,482.0	1,511.3
United Arab Emirates	174.1	177.8	187.7	183.8	185.4	193.4	208.4
Venezuela	975.8	1,010.1	1,038.6	1,087.8	1,050.6	1,069.3	1,126.8
OPEC	5,694.7	5,902.9	6,186.3	5,593.4	5,885.7	6,309.1	6,698.1
	1995	1996	1997	1998	1999	2000	2001
Algeria	440.7	429.4	435.6	410.2	430.6	441.4	456.0
Angola	37.1	37.6	38.7	36.0	40.1	37.3	38.7
Ecuador	–	–	–	–	–	–	–
Indonesia	854.3	892.9	887.6	928.4	933.7	968.2	1,006.1
IR Iran	942.0	957.0	974.4	1,337.8	1,361.2	1,316.4	1,436.7
Iraq	447.8	438.3	444.5	459.1	442.8	493.2	531.9
Kuwait	821.7	787.7	879.6	876.1	903.3	729.5	659.7
SP Libyan AJ	300.4	304.7	307.6	317.5	324.9	337.8	341.5
Nigeria	161.3	193.0	192.5	113.6	131.1	88.6	227.8
Qatar	57.8	60.9	54.8	59.5	59.2	57.8	42.1
Saudi Arabia	1,449.9	1,641.0	1,584.4	1,600.3	1,593.2	1,649.7	1,636.9
United Arab Emirates	230.1	234.9	298.4	222.4	232.9	315.3	309.5
Venezuela	1,201.1	1,335.2	1,327.3	1,332.7	1,209.3	1,240.8	1,264.5
OPEC	6,944.1	7,312.7	7,425.4	7,693.5	7,662.3	7,676.0	7,951.5
	2002	2003	2004	2005	2006	2007	2008
Algeria	469.6	447.9	446.6	451.9	451.2	501.8	516.5
Angola	40.4	41.2	40.4	41.9	49.8	60.6	47.8
Ecuador	141.6	108.2	137.1	132.0	133.0	170.2	194.3
Indonesia	1,002.4	944.4	1,011.6	1,054.1	1,053.5	1,213.2	1,184.1
IR Iran	1,440.5	1,344.7	1,437.4	1,439.8	1,447.9	1,498.0	1,587.0
Iraq	518.2	463.8	491.0	477.4	484.2	480.8	453.2
Kuwait	721.2	839.2	840.1	910.8	886.7	877.4	1,003.2
SP Libyan AJ	369.8	322.7	401.3	459.8	468.3	497.0	362.7
Nigeria	307.0	307.4	341.0	388.0	369.4	378.7	372.2
Qatar	43.1	115.3	118.6	119.1	131.8	131.8	126.2
Saudi Arabia	1,596.9	1,760.6	1,912.6	1,974.4	1,960.1	1,873.6	1,970.9
United Arab Emirates	424.7	430.2	439.8	441.6	423.8	393.0	395.9
Venezuela	1,228.7	1,016.2	1,042.8	1,198.4	1,079.7	1,056.2	1,142.7
OPEC	8,304.0	8,141.9	8,660.2	9,089.2	8,939.2	9,132.4	9,356.7

Table 20

Summary

World output of refined products by region, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
North America	16,639.3	16,860.7	16,986.4	16,911.2	17,013.5	17,522.4	17,628.6
Latin America	5,356.4	5,554.8	5,706.2	5,777.4	5,910.4	6,045.3	6,258.2
Eastern Europe	10,698.9	10,546.6	9,850.4	9,202.5	7,762.4	6,849.0	5,996.7
Western Europe	12,844.9	12,868.7	13,234.6	13,436.9	13,829.2	13,930.0	14,266.8
Middle East	4,057.9	4,102.4	4,278.5	3,696.4	4,117.2	4,409.1	4,864.9
Africa	1,974.1	2,123.0	2,223.2	2,217.9	2,204.2	2,263.7	2,238.1
Asia and Pacific	9,683.1	10,387.6	11,056.2	11,758.2	12,505.6	13,344.7	13,819.5
Total world	61,254.5	62,443.8	63,335.6	63,000.6	63,342.5	64,364.4	65,072.7
OPEC	5,694.7	5,902.9	6,186.3	5,593.4	5,885.7	6,309.1	6,698.1
<i>OPEC percentage</i>	<i>9.3</i>	<i>9.5</i>	<i>9.8</i>	<i>8.9</i>	<i>9.3</i>	<i>9.8</i>	<i>10.3</i>
	1995	1996	1997	1998	1999	2000	2001
North America	17,833.2	18,355.2	18,675.2	18,918.4	18,934.9	19,305.1	19,200.2
Latin America	6,223.7	6,469.6	6,554.7	6,750.3	6,592.6	6,653.1	6,801.6
Eastern Europe	6,014.0	5,814.7	5,839.8	5,768.0	5,697.9	5,828.0	6,154.8
Western Europe	14,241.7	14,590.2	14,885.9	15,262.7	14,572.8	14,833.1	14,774.8
Middle East	4,881.3	5,060.4	5,190.6	5,534.4	5,554.4	5,534.2	5,593.2
Africa	2,362.6	2,397.7	2,403.9	2,334.6	2,416.4	2,442.0	2,622.2
Asia and Pacific	14,604.8	15,540.9	16,351.5	16,306.8	17,256.7	17,843.9	17,941.8
Total world	66,161.2	68,228.7	69,901.6	70,875.2	71,025.6	72,439.5	73,088.4
OPEC	6,944.1	7,312.7	7,425.4	7,693.5	7,662.3	7,676.0	7,951.5
<i>OPEC percentage</i>	<i>10.5</i>	<i>10.7</i>	<i>10.6</i>	<i>10.9</i>	<i>10.8</i>	<i>10.6</i>	<i>10.9</i>
	2002	2003	2004	2005	2006	2007	2008
North America	19,326.1	19,592.8	19,950.3	19,883.8	19,960.4	20,051.0	19,977.6
Latin America	7,067.3	6,915.8	7,148.2	7,235.0	7,320.1	7,263.9	7,604.9
Eastern Europe	6,544.7	6,600.6	6,743.6	6,979.3	7,175.0	7,414.3	7,676.3
Western Europe	14,390.7	14,691.7	14,925.2	15,002.3	14,851.3	14,761.0	15,289.7
Middle East	5,726.7	5,944.3	6,249.7	6,394.5	6,387.5	6,334.2	6,643.1
Africa	2,702.5	2,635.9	2,771.7	2,931.1	2,887.6	3,067.2	2,965.2
Asia and Pacific	18,309.9	18,531.2	20,264.7	20,765.0	21,505.6	22,477.4	22,883.6
Total world	74,067.8	74,912.5	78,053.4	79,191.1	80,087.5	81,368.9	83,040.4
OPEC	8,304.0	8,141.9	8,660.2	9,089.2	8,939.2	9,132.4	9,356.7
<i>OPEC percentage</i>	<i>11.2</i>	<i>10.9</i>	<i>11.1</i>	<i>11.5</i>	<i>11.2</i>	<i>11.2</i>	<i>11.3</i>

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series. Data excludes production of gas plants.

Consumption of refined products in OPEC Members, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
Algeria	170.8	179.3	187.4	187.1	187.7	188.9	178.6
Angola	27.7	28.2	27.2	26.5	25.2	28.1	30.7
Ecuador	84.9	83.7	86.5	93.5	89.7	87.3	92.9
Indonesia	527.4	578.0	634.3	675.4	708.6	713.6	755.3
IR Iran	882.2	934.5	1,002.1	1,064.7	1,063.1	1,110.6	1,132.8
Iraq	318.9	346.4	338.1	322.4	372.9	402.3	418.3
Kuwait	169.8	160.3	51.2	80.1	101.1	95.2	106.2
SP Libyan AJ	135.1	141.7	142.5	146.5	145.0	143.9	175.1
Nigeria	182.9	187.4	160.4	190.8	242.8	211.1	161.2
Qatar	23.0	25.5	24.7	22.3	26.4	27.4	29.1
Saudi Arabia	686.4	650.5	647.2	638.7	694.9	733.9	765.9
United Arab Emirates	112.3	115.7	120.0	123.3	126.4	135.6	135.0
Venezuela	393.8	393.7	399.5	403.1	431.3	424.8	412.1
OPEC	3,715.2	3,825.0	3,821.1	3,974.2	4,215.2	4,302.8	4,393.2
	1995	1996	1997	1998	1999	2000	2001
Algeria	172.7	170.8	165.6	169.9	177.7	187.7	188.7
Angola	27.8	28.4	29.3	24.3	33.3	36.4	41.3
Ecuador	104.9	112.8	118.3	120.1	108.1	120.1	133.9
Indonesia	774.5	853.3	931.6	888.2	931.7	996.4	1,026.0
IR Iran	1,140.8	1,175.5	1,229.6	1,218.0	1,191.6	1,189.1	1,220.5
Iraq	404.4	392.2	397.3	408.7	411.0	452.4	490.9
Kuwait	117.6	114.1	131.8	158.8	163.8	152.9	140.8
SP Libyan AJ	196.4	198.7	198.5	203.4	209.0	201.7	212.8
Nigeria	187.4	202.0	208.1	199.4	185.3	213.7	244.5
Qatar	30.1	31.2	32.5	35.0	33.0	35.1	37.5
Saudi Arabia	723.6	770.0	778.0	823.1	869.7	901.6	945.7
United Arab Emirates	135.7	134.2	137.0	133.4	136.1	144.5	154.8
Venezuela	415.9	433.2	461.1	485.0	442.6	485.9	496.1
OPEC	4,431.7	4,616.2	4,818.5	4,867.3	4,892.9	5,117.4	5,333.5
	2002	2003	2004	2005	2006	2007	2008
Algeria	203.7	218.3	232.9	245.9	255.2	277.6	299.6
Angola	42.5	48.5	49.6	52.5	57.4	59.1	62.3
Ecuador	142.3	142.9	144.7	153.4	164.2	174.5	181.3
Indonesia	1,075.4	1,112.9	1,143.7	1,139.9	1,061.3	1,047.9	1,054.1
IR Iran	1,257.9	1,313.8	1,374.8	1,479.2	1,598.6	1,680.1	1,776.1
Iraq	477.3	415.9	504.0	536.9	563.7	567.5	589.3
Kuwait	146.0	206.7	230.8	248.7	241.3	251.8	263.8
SP Libyan AJ	214.3	222.4	231.2	229.5	228.7	231.9	251.5
Nigeria	242.0	230.6	241.6	257.5	232.3	211.9	235.3
Qatar	45.7	43.7	68.9	73.2	95.6	107.6	115.9
Saudi Arabia	1,008.7	1,094.9	1,137.9	1,175.2	1,258.3	1,345.3	1,440.3
United Arab Emirates	170.7	190.1	194.1	204.3	213.9	224.1	233.3
Venezuela	480.3	465.2	489.1	520.6	569.6	604.2	637.9
OPEC	5,506.8	5,705.8	6,043.3	6,316.7	6,540.1	6,783.6	7,140.8

Notes: Revisions have been made throughout the time series.

Table 22

Summary

World consumption of refined products by region, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
North America	18,581.5	18,600.7	18,094.8	17,760.0	18,107.1	18,317.9	18,862.9
Latin America	4,834.5	4,997.9	5,004.9	5,108.0	5,266.3	5,309.3	5,560.5
Eastern Europe	9,252.0	9,074.5	9,315.9	8,855.1	7,505.3	6,464.2	5,659.8
Western Europe	13,754.8	13,766.3	13,862.9	14,230.9	14,344.6	14,219.2	14,333.3
Middle East	2,688.7	2,720.6	2,714.6	2,847.1	2,997.0	3,185.7	3,288.6
Africa	1,420.3	1,463.1	1,452.0	1,469.8	1,558.1	1,497.4	1,502.1
Asia and Pacific	11,569.2	12,315.5	13,074.5	13,683.4	14,457.3	15,149.9	16,039.5
Total world	62,101.0	62,938.7	63,519.6	63,954.3	64,235.7	64,143.7	65,246.7
OPEC	3,715.2	3,825.0	3,821.1	3,974.2	4,215.2	4,302.8	4,393.2
<i>OPEC percentage</i>	<i>6.0</i>	<i>6.1</i>	<i>6.0</i>	<i>6.2</i>	<i>6.6</i>	<i>6.7</i>	<i>6.7</i>
	1995	1996	1997	1998	1999	2000	2001
North America	18,839.2	19,509.6	19,892.5	20,152.9	20,757.7	20,964.1	21,104.9
Latin America	5,649.2	5,759.0	6,144.2	6,409.5	6,401.9	6,504.6	6,537.2
Eastern Europe	5,555.6	5,207.7	5,341.9	5,176.9	4,912.1	4,596.8	4,703.5
Western Europe	14,587.9	14,793.5	14,809.8	15,011.8	14,764.8	14,567.5	14,745.3
Middle East	3,314.0	3,393.3	3,503.1	3,611.0	3,637.2	3,781.2	3,857.2
Africa	1,531.7	1,556.1	1,609.7	1,671.6	1,700.0	1,764.0	1,884.4
Asia and Pacific	16,853.7	17,602.5	18,445.9	17,821.5	18,780.7	19,384.8	19,411.3
Total world	66,331.3	67,821.7	69,747.0	69,855.2	70,954.3	71,563.0	72,243.8
OPEC	4,431.7	4,616.2	4,818.5	4,867.3	4,892.9	5,117.4	5,333.5
<i>OPEC percentage</i>	<i>6.7</i>	<i>6.8</i>	<i>6.9</i>	<i>7.0</i>	<i>6.9</i>	<i>7.2</i>	<i>7.4</i>
	2002	2003	2004	2005	2006	2007	2008
North America	21,167.6	21,623.4	22,338.8	22,444.4	22,297.6	22,362.1	21,227.3
Latin America	6,399.3	6,303.0	6,527.7	6,689.5	6,893.1	7,161.2	7,351.2
Eastern Europe	4,503.1	4,632.5	4,759.9	4,904.4	5,114.3	5,220.7	5,313.1
Western Europe	14,589.2	14,705.2	14,546.0	14,588.0	14,572.4	14,223.5	14,115.1
Middle East	3,967.0	4,156.0	4,373.8	4,625.8	4,874.4	5,098.6	5,380.2
Africa	1,936.1	1,980.6	2,127.5	2,226.8	2,256.2	2,318.6	2,445.7
Asia and Pacific	20,143.6	20,725.3	21,916.4	22,294.6	22,675.8	23,189.6	23,393.8
Total world	72,706.0	74,125.9	76,590.2	77,773.6	78,683.8	79,574.5	79,226.5
OPEC	5,506.8	5,705.8	6,043.3	6,316.7	6,540.1	6,783.6	7,140.8
<i>OPEC percentage</i>	<i>7.6</i>	<i>7.7</i>	<i>7.9</i>	<i>8.1</i>	<i>8.3</i>	<i>8.5</i>	<i>9.0</i>

Notes: Revisions have been made throughout the time series.

Crude oil exports by OPEC Members, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
Algeria	244.0	280.5	280.6	344.7	279.4	308.0	329.2
Angola	353.9	365.6	439.0	459.9	508.4	464.7	500.6
Ecuador	193.5	183.8	179.6	188.2	214.6	229.9	250.4
Indonesia	646.6	675.7	684.7	798.8	652.0	681.6	792.6
IR Iran	1,696.0	2,120.0	2,220.0	2,420.0	2,528.0	2,600.0	2,650.0
Iraq	2,095.0	2,260.0	1,596.0	39.0	60.7	59.2	60.0
Kuwait	698.0	850.0	645.0	85.0	695.6	1,440.0	1,263.5
SP Libyan AJ	890.0	872.0	1,090.0	1,220.0	1,180.0	1,110.0	1,125.0
Nigeria	1,110.5	1,525.9	1,550.0	1,610.0	1,585.0	1,557.0	1,590.0
Qatar	226.0	320.0	347.8	336.6	362.3	340.6	322.6
Saudi Arabia	3,030.1	3,335.5	4,499.8	6,526.3	6,581.9	6,292.9	6,233.6
United Arab Emirates	1,321.5	1,589.0	1,761.6	2,024.4	2,060.0	1,970.0	1,955.0
Venezuela	972.7	986.3	1,242.0	1,381.3	1,429.0	1,540.3	1,696.4
OPEC	13,477.8	15,364.3	16,536.1	17,434.3	18,136.8	18,594.2	18,769.0
	1995	1996	1997	1998	1999	2000	2001
Algeria	332.8	390.8	373.1	549.4	414.6	461.1	441.5
Angola	566.7	621.8	660.7	725.4	732.2	748.6	693.9
Ecuador	271.4	243.4	263.6	247.5	243.1	251.9	257.2
Indonesia	743.9	706.7	709.7	678.0	781.9	622.5	599.2
IR Iran	2,621.0	2,630.0	2,587.0	2,512.0	2,291.0	2,492.2	2,184.6
Iraq	63.5	88.1	746.6	1,417.6	2,130.9	2,039.8	1,710.2
Kuwait	1,186.4	1,224.2	1,134.2	1,190.0	948.2	1,230.7	1,214.1
SP Libyan AJ	1,120.3	1,123.4	1,115.7	1,161.0	991.7	1,005.0	987.6
Nigeria	1,665.0	1,812.9	1,855.5	1,832.8	1,705.1	1,986.4	2,009.4
Qatar	333.0	367.0	401.5	572.4	580.5	617.6	605.5
Saudi Arabia	6,290.8	6,109.3	6,184.5	6,390.4	5,719.7	6,253.1	6,035.9
United Arab Emirates	1,925.0	1,943.2	1,949.0	2,039.0	1,919.0	1,814.9	1,786.7
Venezuela	1,819.9	1,976.4	2,210.8	2,243.9	1,923.0	2,003.5	1,964.7
OPEC	18,939.6	19,237.2	20,191.9	21,559.6	20,380.9	21,527.1	20,490.5
	2002	2003	2004	2005	2006	2007	2008
Algeria	566.2	741.0	893.2	970.3	947.2	1,253.5	840.9
Angola	849.3	823.0	940.9	946.9	1,010.3	1,157.6	1,044.5
Ecuador	243.3	267.0	373.7	380.0	376.3	341.7	348.4
Indonesia	639.9	433.0	412.7	374.4	301.3	319.3	294.1
IR Iran	2,093.6	2,396.3	2,684.1	2,394.5	2,377.2	2,466.8	2,438.1
Iraq	1,494.6	388.6	1,450.0	1,472.2	1,467.8	1,643.0	1,855.2
Kuwait	1,138.0	1,242.9	1,414.9	1,650.8	1,723.4	1,612.9	1,738.5
SP Libyan AJ	983.6	1,126.5	1,284.5	1,306.3	1,425.6	1,377.8	1,403.4
Nigeria	1,798.2	2,163.5	2,356.0	2,326.0	2,248.4	2,144.1	2,098.1
Qatar	567.8	540.7	542.7	677.3	620.3	615.1	703.1
Saudi Arabia	5,284.6	6,522.9	6,813.1	7,208.9	7,029.4	6,962.1	7,321.7
United Arab Emirates	1,614.0	2,048.0	2,172.0	2,195.0	2,420.3	2,342.7	2,334.4
Venezuela	1,572.0	1,535.0	1,566.2	1,787.8	1,919.4	2,115.6	1,769.6
OPEC	18,845.1	20,228.4	22,903.9	23,690.3	23,866.8	24,352.2	24,189.9

Notes: Totals may not add up due to independent rounding. Data includes re-exports. Nigerian exports include condensates.

Table 24

Summary

OPEC crude oil exports by region, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
North America	2,837.7	3,489.9	3,884.6	3,829.1	3,525.2	3,851.9	3,953.7
<i>United States</i>	2,603.6	3,206.1	3,575.8	3,511.5	3,306.5	3,620.2	3,648.0
Latin America	790.8	738.0	778.1	732.5	923.6	847.7	903.4
Eastern Europe	473.9	519.2	333.0	230.0	247.2	148.9	184.0
Western Europe	4,911.8	5,409.5	5,625.3	5,887.4	5,780.2	5,837.7	5,546.7
<i>France</i>	592.4	690.1	780.8	929.0	902.1	1,087.7	973.6
<i>Germany</i>	561.0	651.3	700.3	738.9	741.1	626.5	744.8
<i>Italy</i>	888.1	982.0	1,136.6	1,235.4	1,142.4	1,120.0	938.9
<i>United Kingdom</i>	250.0	216.0	306.8	329.6	274.2	350.8	231.0
Middle East	289.4	293.5	310.0	301.2	320.1	308.5	324.7
Africa	202.3	236.9	300.3	361.8	283.4	277.0	299.1
Asia and Pacific	3,864.5	4,601.3	5,155.5	5,991.4	6,813.4	7,133.5	7,397.4
<i>Japan</i>	2,321.6	2,682.5	2,964.5	3,128.2	3,253.5	3,371.2	3,598.7
Unspecified	107.5	76.1	149.3	100.9	243.7	189.0	160.0
Total world	13,477.8	15,364.3	16,536.1	17,434.3	18,136.8	18,594.2	18,769.0
	1995	1996	1997	1998	1999	2000	2001
North America	3,884.7	3,901.3	4,434.3	5,086.4	4,682.2	5,272.6	5,430.2
<i>United States</i>	3,537.5	3,559.4	4,074.2	4,684.2	4,304.3	4,962.0	5,081.5
Latin America	774.2	888.8	810.0	862.0	926.4	1,002.1	980.7
Eastern Europe	207.8	194.2	238.6	258.8	185.1	205.1	152.7
Western Europe	5,383.5	5,364.2	5,608.4	6,140.1	5,272.2	5,185.2	4,456.1
<i>France</i>	977.6	918.0	951.7	1,096.7	907.3	839.9	788.8
<i>Germany</i>	597.9	576.2	532.4	550.1	478.5	499.7	419.0
<i>Italy</i>	1,028.9	1,113.6	1,258.9	1,357.6	1,188.7	1,212.2	1,027.4
<i>United Kingdom</i>	205.4	183.8	137.4	157.2	95.3	76.2	83.5
Middle East	317.3	331.0	331.6	341.3	330.2	272.1	271.2
Africa	509.2	520.7	567.1	581.7	559.4	621.8	549.0
Asia and Pacific	7,631.2	7,768.8	7,932.6	8,113.7	7,909.5	8,333.6	8,104.8
<i>Japan</i>	3,598.0	3,558.2	3,743.3	3,563.2	3,492.8	3,542.5	2,991.6
Unspecified	231.7	268.3	269.2	175.7	515.7	634.6	545.9
Total world	18,939.6	19,237.2	20,191.9	21,559.6	20,380.9	21,527.1	20,490.5
	2002	2003	2004	2005	2006	2007	2008
North America	4,772.4	4,659.3	5,768.3	5,598.3	6,140.9	6,711.5	5,940.0
<i>United States</i>	4,374.4	4,272.8	5,267.7	5,026.9	5,727.4	6,299.8	5,370.8
Latin America	845.5	857.4	966.5	1,034.6	913.1	913.4	1,054.3
Eastern Europe	126.5	153.9	163.2	29.6	6.2	91.3	110.5
Western Europe	4,074.5	4,142.7	4,690.2	5,089.4	4,838.6	4,483.2	4,708.7
<i>France</i>	711.6	753.6	825.7	692.3	812.1	620.4	813.2
<i>Germany</i>	376.1	367.6	430.9	425.0	460.0	375.5	411.2
<i>Italy</i>	1,033.5	1,033.8	1,144.0	1,230.3	1,165.0	986.5	1,093.3
<i>United Kingdom</i>	127.6	112.4	128.4	108.1	99.3	109.8	191.2
Middle East	238.9	236.0	338.6	558.2	299.9	336.6	304.4
Africa	491.0	648.9	704.7	675.1	486.6	454.2	459.6
Asia and Pacific	7,909.2	8,827.9	9,582.1	10,256.8	10,688.6	10,947.8	11,401.6
<i>Japan</i>	3,830.9	3,708.5	4,307.0	5,932.6	5,790.1	5,168.5	3,787.4
Unspecified	387.1	702.3	690.2	448.2	493.0	414.4	210.7
Total world	18,845.1	20,228.4	22,903.9	23,690.3	23,866.8	24,352.2	24,189.9

Notes: Totals may not add up due to independent rounding. Data includes re-exports. Nigerian exports include condensates.

Share of total OPEC crude oil exports by region, 1988–2008 (*per cent*)

	1988	1989	1990	1991	1992	1993	1994
North America	21.1	22.7	23.5	22.0	19.4	20.7	21.1
<i>United States</i>	19.3	20.9	21.6	20.1	18.2	19.5	19.4
Latin America	5.9	4.8	4.7	4.2	5.1	4.6	4.8
Eastern Europe	3.5	3.4	2.0	1.3	1.4	0.8	1.0
Western Europe	36.4	35.2	34.0	33.8	31.9	31.4	29.6
<i>France</i>	4.4	4.5	4.7	5.3	5.0	5.8	5.2
<i>Germany</i>	4.2	4.2	4.2	4.2	4.1	3.4	4.0
<i>Italy</i>	6.6	6.4	6.9	7.1	6.3	6.0	5.0
<i>United Kingdom</i>	1.9	1.4	1.9	1.9	1.5	1.9	1.2
Middle East	2.1	1.9	1.9	1.7	1.8	1.7	1.7
Africa	1.5	1.5	1.8	2.1	1.6	1.5	1.6
Asia and Pacific	28.7	29.9	31.2	34.4	37.6	38.4	39.4
<i>Japan</i>	17.2	17.5	17.9	17.9	17.9	18.1	19.2
Unspecified	0.8	0.5	0.9	0.6	1.3	1.0	0.9
Total world	100	100	100	100	100	100	100

	1995	1996	1997	1998	1999	2000	2001
North America	20.5	20.3	22.0	23.6	23.0	24.5	26.5
<i>United States</i>	18.7	18.5	20.2	21.7	21.1	23.0	24.8
Latin America	4.1	4.6	4.0	4.0	4.5	4.7	4.8
Eastern Europe	1.1	1.0	1.2	1.2	0.9	1.0	0.7
Western Europe	28.4	27.9	27.8	28.5	25.9	24.1	21.7
<i>France</i>	5.2	4.8	4.7	5.1	4.5	3.9	3.8
<i>Germany</i>	3.2	3.0	2.6	2.6	2.3	2.3	2.0
<i>Italy</i>	5.4	5.8	6.2	6.3	5.8	5.6	5.0
<i>United Kingdom</i>	1.1	1.0	0.7	0.7	0.5	0.4	0.4
Middle East	1.7	1.7	1.6	1.6	1.6	1.3	1.3
Africa	2.7	2.7	2.8	2.7	2.7	2.9	2.7
Asia and Pacific	40.3	40.4	39.3	37.6	38.8	38.7	39.6
<i>Japan</i>	19.0	18.5	18.5	16.5	17.1	16.5	14.6
Unspecified	1.2	1.4	1.3	0.8	2.5	2.9	2.7
Total world	100	100	100	100	100	100	100

	2002	2003	2004	2005	2006	2007	2008
North America	25.3	23.0	25.2	23.6	25.7	27.6	24.6
<i>United States</i>	23.2	21.1	23.0	21.2	24.0	25.9	22.2
Latin America	4.5	4.2	4.2	4.4	3.8	3.8	4.4
Eastern Europe	0.7	0.8	0.7	0.1	0.0	0.4	0.5
Western Europe	21.6	20.5	20.5	21.5	20.3	18.4	19.5
<i>France</i>	3.8	3.7	3.6	2.9	3.4	2.5	3.4
<i>Germany</i>	2.0	1.8	1.9	2.9	1.9	1.5	1.7
<i>Italy</i>	5.5	5.1	5.0	2.9	4.9	4.1	4.5
<i>United Kingdom</i>	0.7	0.6	0.6	2.9	0.4	0.5	0.8
Middle East	1.3	1.2	1.5	2.9	1.3	1.4	1.3
Africa	2.6	3.2	3.1	2.9	2.0	1.9	1.9
Asia and Pacific	42.0	43.6	41.8	2.9	44.8	45.0	47.1
<i>Japan</i>	20.3	18.3	18.8	25.0	24.3	21.2	15.7
Unspecified	2.1	3.5	3.0	1.9	2.1	1.7	0.9
Total world	100	100	100	100	100	100	100

Notes: Data includes re-exports.

Table 26

Summary

World crude oil exports by region, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
North America	864.4	788.3	763.0	878.7	926.4	1,015.5	1,081.3
Latin America	2,909.7	2,890.6	3,148.7	3,377.9	3,498.4	3,622.3	3,872.1
Eastern Europe	2,822.9	2,502.1	2,132.9	1,215.0	1,479.7	1,802.0	1,878.1
Western Europe	2,451.0	2,379.7	2,564.7	2,832.4	3,073.1	3,350.9	4,029.1
Middle East	9,910.3	11,386.4	12,078.3	12,491.6	13,386.8	13,916.1	13,859.4
Africa	3,485.9	3,974.7	4,348.4	4,676.3	4,619.9	4,528.2	4,422.1
Asia and Pacific	1,917.8	1,902.0	2,099.2	2,305.1	2,228.9	2,235.9	2,291.7
Total world	24,362.0	25,823.9	27,135.3	27,777.0	29,213.2	30,470.9	31,433.8
OPEC	13,477.8	15,364.3	16,536.1	17,434.3	18,136.8	18,594.2	18,769.0
<i>OPEC percentage</i>	<i>55.3</i>	<i>59.5</i>	<i>60.9</i>	<i>62.8</i>	<i>62.1</i>	<i>61.0</i>	<i>59.7</i>
	1995	1996	1997	1998	1999	2000	2001
North America	1,152.5	1,182.3	1,139.6	1,258.7	1,168.0	1,231.3	1,168.0
Latin America	4,247.5	4,625.6	5,120.9	5,254.0	4,774.5	4,906.1	4,817.3
Eastern Europe	1,888.9	2,069.0	2,177.9	3,045.3	3,440.9	4,144.9	4,593.9
Western Europe	4,250.0	4,523.6	4,583.8	4,527.3	4,680.7	4,990.9	4,883.0
Middle East	13,864.2	13,830.4	14,489.2	15,602.7	15,152.5	16,087.6	15,231.9
Africa	4,597.1	4,891.5	5,053.3	5,274.1	4,893.8	5,209.0	5,098.0
Asia and Pacific	2,250.4	2,204.1	2,201.5	2,193.1	2,188.3	2,230.1	2,275.4
Total world	32,250.6	33,326.5	34,766.2	37,155.1	36,298.7	38,799.8	38,067.5
OPEC	18,939.6	19,237.2	20,191.9	21,559.6	20,380.9	21,527.1	20,490.5
<i>OPEC percentage</i>	<i>58.7</i>	<i>57.7</i>	<i>58.1</i>	<i>58.0</i>	<i>56.1</i>	<i>55.5</i>	<i>53.8</i>
	2002	2003	2004	2005	2006	2007	2008
North America	1,174.5	1,251.7	1,375.9	1,378.2	1,393.4	1,422.1	1,554.1
Latin America	4,477.7	4,523.1	4,605.7	4,739.1	4,900.2	4,727.2	4,378.8
Eastern Europe	3,970.5	4,626.2	4,827.0	5,344.4	5,542.7	5,878.7	5,658.2
Western Europe	4,822.8	4,502.0	4,354.8	3,740.1	3,443.2	3,222.2	2,785.6
Middle East	13,799.6	14,591.4	16,370.0	16,896.9	16,893.7	16,776.1	17,439.3
Africa	5,127.2	5,763.3	6,380.3	6,481.5	6,582.9	6,883.2	6,343.9
Asia and Pacific	2,332.6	2,095.1	2,005.8	1,961.1	1,876.6	1,923.0	1,954.6
Total world	35,704.9	37,352.7	39,919.5	40,541.3	40,632.7	40,832.6	40,114.4
OPEC	18,845.1	20,228.4	22,903.9	23,690.3	23,866.8	24,352.2	24,189.9
<i>OPEC percentage</i>	<i>52.8</i>	<i>54.2</i>	<i>57.4</i>	<i>58.4</i>	<i>58.7</i>	<i>59.6</i>	<i>60.3</i>

Notes: Revisions have been made throughout the time series. Data includes re-exports.

Exports of refined products by OPEC Members, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
Algeria	375.0	393.3	452.8	400.0	419.1	374.6	384.0
Angola	9.0	8.7	9.0	11.0	12.6	10.7	13.2
Ecuador	25.8	25.4	30.8	31.1	29.6	35.9	39.0
Indonesia	204.9	230.8	239.7	230.0	254.4	239.1	250.1
IR Iran	8.0	38.0	60.0	88.0	70.0	70.0	119.5
Iraq	110.0	145.0	126.2	11.5	16.1	17.6	17.8
Kuwait	635.0	690.0	380.0	40.0	256.0	419.0	622.3
SP Libyan AJ	90.0	127.5	150.0	140.0	170.0	142.0	130.0
Nigeria	21.0	30.0	30.0	31.0	30.0	32.5	25.0
Qatar	44.0	75.0	74.0	81.6	103.8	116.2	103.0
Saudi Arabia	1,141.0	1,072.6	1,305.8	1,226.1	1,287.6	1,385.7	1,360.1
United Arab Emirates	117.0	155.0	165.0	170.0	173.0	160.0	155.0
Venezuela	622.5	617.7	616.8	712.0	615.2	632.2	633.5
OPEC	3,403.2	3,609.0	3,640.2	3,172.3	3,437.4	3,635.6	3,852.5
	1995	1996	1997	1998	1999	2000	2001
Algeria	395.8	406.1	462.3	461.9	599.7	544.3	555.8
Angola	13.9	14.5	15.6	15.5	16.6	16.7	17.0
Ecuador	35.7	41.0	33.2	39.3	39.6	43.6	38.7
Indonesia	294.1	297.1	257.3	220.8	191.9	188.8	196.3
IR Iran	165.6	172.5	225.9	277.8	362.9	347.3	307.7
Iraq	18.3	23.6	18.9	23.0	23.0	23.0	25.0
Kuwait	794.2	751.5	848.0	795.0	838.6	674.5	642.3
SP Libyan AJ	132.7	125.3	147.9	168.6	201.2	237.0	225.0
Nigeria	38.8	22.6	25.3	3.8	14.1	47.3	65.7
Qatar	98.0	107.0	125.0	95.1	75.3	75.3	78.1
Saudi Arabia	1,321.6	1,492.0	1,392.9	1,368.9	1,279.7	1,228.1	1,082.6
United Arab Emirates	269.1	271.9	323.1	319.1	331.0	391.7	398.2
Venezuela	688.3	742.1	841.5	846.2	828.0	779.6	761.1
OPEC	4,266.1	4,467.2	4,716.8	4,635.1	4,801.5	4,597.1	4,393.5
	2002	2003	2004	2005	2006	2007	2008
Algeria	527.2	528.3	446.0	451.9	435.1	451.3	456.7
Angola	16.8	13.4	13.6	13.9	14.2	26.6	20.7
Ecuador	59.9	27.4	27.6	19.7	34.5	40.0	42.2
Indonesia	152.4	155.3	143.5	142.3	225.7	106.9	260.8
IR Iran	328.0	333.2	339.6	402.1	461.6	388.3	274.9
Iraq	22.5	10.5	11.5	13.5	56.3	65.6	84.9
Kuwait	572.2	623.1	604.2	614.2	749.5	739.1	707.9
SP Libyan AJ	221.1	145.4	161.5	162.5	183.1	198.4	156.7
Nigeria	78.2	67.7	66.9	49.3	50.3	53.4	49.2
Qatar	67.3	61.5	64.9	76.8	81.1	73.9	97.8
Saudi Arabia	993.5	1,128.6	1,334.4	1,385.4	1,277.6	1,138.8	1,058.3
United Arab Emirates	485.5	513.6	503.6	509.0	452.8	407.7	304.4
Venezuela	569.7	485.0	573.8	609.3	598.5	638.8	912.3
OPEC	4,094.3	4,092.9	4,291.0	4,449.7	4,620.2	4,328.9	4,426.7

Notes: Data includes re-exports and exports of petroleum products from gas plants.

Table 28

Summary

World exports of refined products by region, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
North America	1,142.3	1,197.0	1,260.7	1,414.2	1,394.6	1,447.9	1,401.1
Latin America	1,625.0	1,678.0	1,665.8	1,752.7	1,685.9	1,849.9	1,794.3
Eastern Europe	1,561.4	1,519.1	1,169.6	996.2	759.8	913.0	1,018.1
Western Europe	3,559.5	3,664.4	3,910.0	3,899.9	4,156.1	4,330.1	4,391.9
Middle East	2,418.0	2,554.4	2,499.0	1,975.9	2,285.2	2,542.5	2,775.2
Africa	641.7	726.6	827.9	779.1	834.3	807.9	840.3
Asia and Pacific	1,323.2	1,504.3	1,561.4	1,728.0	1,906.3	2,064.7	2,103.6
Total world	12,271.0	12,843.8	12,894.2	12,546.0	13,022.2	13,955.9	14,324.5
OPEC	3,403.2	3,609.0	3,640.2	3,172.3	3,437.4	3,635.6	3,852.5
<i>OPEC percentage</i>	<i>27.7</i>	<i>28.1</i>	<i>28.2</i>	<i>25.3</i>	<i>26.4</i>	<i>26.1</i>	<i>26.9</i>
	1995	1996	1997	1998	1999	2000	2001
North America	1,367.3	1,370.3	1,351.0	1,319.2	1,310.8	1,486.4	1,423.9
Latin America	1,790.9	1,838.5	2,012.1	2,150.4	2,148.9	2,117.0	2,245.2
Eastern Europe	1,007.4	1,150.7	1,177.6	1,064.8	1,089.5	1,272.3	1,456.2
Western Europe	4,227.1	4,473.9	4,592.5	4,655.3	4,597.0	4,836.0	4,761.5
Middle East	3,032.7	3,184.6	3,330.1	3,276.9	3,292.0	3,114.4	2,899.1
Africa	862.0	855.5	1,038.1	941.6	1,132.6	1,164.3	1,205.3
Asia and Pacific	2,360.9	2,691.7	2,951.6	2,916.9	2,786.4	2,898.6	3,030.6
Total world	14,648.3	15,565.3	16,453.0	16,325.1	16,357.2	16,889.1	17,021.8
OPEC	4,266.1	4,467.2	4,716.8	4,635.1	4,801.5	4,597.1	4,393.5
<i>OPEC percentage</i>	<i>29.1</i>	<i>28.7</i>	<i>28.7</i>	<i>28.4</i>	<i>29.4</i>	<i>27.2</i>	<i>25.8</i>
	2002	2003	2004	2005	2006	2007	2008
North America	1,330.8	1,370.4	1,360.6	1,474.9	1,633.3	1,673.0	2,086.3
Latin America	2,075.8	1,942.4	2,013.8	2,060.0	2,129.8	2,199.4	2,410.3
Eastern Europe	1,800.7	1,879.1	2,098.2	2,076.1	2,113.5	2,015.4	1,455.0
Western Europe	4,503.0	4,738.3	5,236.5	5,586.9	5,781.5	5,679.5	5,679.3
Middle East	2,835.8	3,051.7	3,220.6	3,375.8	3,450.8	3,199.3	2,905.2
Africa	1,168.5	1,083.4	1,032.8	1,019.7	1,025.8	1,077.0	1,020.5
Asia and Pacific	2,912.2	3,149.7	3,487.5	3,673.4	3,910.3	4,262.9	5,113.5
Total world	16,626.8	17,214.9	18,450.2	19,266.8	20,045.0	20,106.7	20,669.9
OPEC	4,094.3	4,092.9	4,291.0	4,449.7	4,620.2	4,328.9	4,426.7
<i>OPEC percentage</i>	<i>24.6</i>	<i>23.8</i>	<i>23.3</i>	<i>23.1</i>	<i>23.0</i>	<i>21.5</i>	<i>21.4</i>

Notes: Revisions have been made throughout the time series. Data includes re-exports and exports of petroleum products from gas plants.

Exports of crude oil and refined products by OPEC Members, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
Algeria	619.0	673.8	733.4	744.7	698.5	682.6	713.2
Angola	362.9	374.3	448.0	470.9	520.9	475.4	513.8
Ecuador	219.2	209.2	210.4	219.4	244.2	265.8	289.4
Indonesia	851.5	906.5	924.4	1,028.8	906.4	920.7	1,042.7
IR Iran	1,704.0	2,158.0	2,280.0	2,508.0	2,598.0	2,670.0	2,769.5
Iraq	2,205.0	2,405.0	1,722.2	50.5	76.8	76.8	77.8
Kuwait	1,333.0	1,540.0	1,025.0	125.0	951.6	1,859.0	1,885.8
SP Libyan AJ	980.0	999.5	1,240.0	1,360.0	1,350.0	1,252.0	1,255.0
Nigeria	1,131.5	1,555.9	1,580.0	1,641.0	1,615.0	1,589.5	1,615.0
Qatar	270.0	395.0	421.8	418.2	466.1	456.8	425.6
Saudi Arabia	4,171.1	4,408.1	5,805.6	7,752.4	7,869.5	7,678.6	7,593.7
United Arab Emirates	1,438.5	1,744.0	1,926.6	2,194.4	2,233.0	2,130.0	2,110.0
Venezuela	1,595.2	1,604.0	1,858.8	2,093.3	2,044.2	2,172.5	2,329.9
OPEC	16,881.0	18,973.3	20,176.3	20,606.5	21,574.3	22,229.8	22,621.5
	1995	1996	1997	1998	1999	2000	2001
Algeria	728.6	796.9	835.4	1,011.3	1,014.2	1,005.3	997.3
Angola	580.6	636.3	676.3	741.0	748.8	765.3	710.9
Ecuador	307.1	284.4	296.7	286.8	282.8	295.4	295.9
Indonesia	1,038.0	1,003.8	967.0	898.8	973.8	811.3	795.5
IR Iran	2,786.6	2,802.5	2,812.9	2,789.8	2,653.9	2,839.5	2,492.3
Iraq	81.8	111.7	765.5	1,440.6	2,153.9	2,062.8	1,735.2
Kuwait	1,980.6	1,975.7	1,982.2	1,985.0	1,786.7	1,905.2	1,856.4
SP Libyan AJ	1,253.0	1,248.7	1,263.6	1,329.6	1,192.9	1,242.0	1,212.6
Nigeria	1,703.8	1,835.5	1,880.8	1,836.7	1,719.2	2,033.7	2,075.2
Qatar	431.0	474.0	526.5	667.5	655.8	692.9	683.6
Saudi Arabia	7,612.4	7,601.3	7,577.4	7,759.3	6,999.3	7,481.2	7,118.4
United Arab Emirates	2,194.1	2,215.1	2,272.1	2,358.1	2,250.0	2,206.6	2,184.9
Venezuela	2,508.2	2,718.5	3,052.3	3,090.1	2,751.0	2,783.1	2,725.8
OPEC	23,205.7	23,704.4	24,908.7	26,194.7	25,182.4	26,124.2	24,884.0
	2002	2003	2004	2005	2006	2007	2008
Algeria	1,093.5	1,269.3	1,339.2	1,422.2	1,382.3	1,704.8	1,297.6
Angola	866.0	836.3	954.5	960.8	1,024.5	1,184.2	1,065.2
Ecuador	303.2	294.4	401.3	399.6	410.8	381.7	390.7
Indonesia	792.3	588.3	556.2	516.7	527.0	426.2	390.6
IR Iran	2,421.6	2,729.5	3,023.6	2,796.5	2,838.8	2,855.1	2,713.0
Iraq	1,517.1	399.1	1,461.5	1,485.7	1,524.1	1,708.6	1,940.1
Kuwait	1,710.2	1,866.0	2,019.0	2,265.0	2,472.9	2,352.0	2,446.4
SP Libyan AJ	1,204.6	1,271.9	1,446.0	1,468.8	1,608.7	1,576.2	1,560.0
Nigeria	1,876.4	2,231.2	2,422.9	2,375.2	2,298.7	2,197.5	2,113.2
Qatar	635.1	602.2	607.6	754.1	701.4	689.0	800.8
Saudi Arabia	6,278.1	7,651.5	8,147.5	8,594.3	8,306.9	8,100.9	8,380.0
United Arab Emirates	2,099.5	2,561.6	2,675.6	2,704.0	2,873.1	2,750.4	2,638.8
Venezuela	2,141.7	2,020.0	2,140.0	2,397.1	2,517.8	2,754.4	2,681.9
OPEC	22,939.5	24,321.4	27,194.9	28,140.0	28,487.0	28,681.1	28,418.2

Notes: Data includes re-exports and exports of petroleum products from gas plants. Nigerian exports include condensates.

Table 30

Summary

World exports of crude oil and refined products by region, 1988–2008 (1,000 b/d)

	1988	1989	1990	1991	1992	1993	1994
North America	2,006.7	1,985.3	2,023.7	2,292.9	2,321.0	2,463.4	2,482.4
Latin America	4,534.7	4,568.6	4,814.5	5,130.6	5,184.3	5,472.2	5,666.3
Eastern Europe	4,384.3	4,021.2	3,302.5	2,211.2	2,239.5	2,715.0	2,896.2
Western Europe	6,010.4	6,044.1	6,474.6	6,732.3	7,229.2	7,681.0	8,421.0
Middle East	12,328.2	13,940.8	14,577.3	14,467.5	15,672.0	16,458.6	16,634.6
Africa	4,127.6	4,701.4	5,176.3	5,455.4	5,454.2	5,336.0	5,262.4
Asia and Pacific	3,241.0	3,406.3	3,660.6	4,033.1	4,135.2	4,300.7	4,395.3
Total world	36,633.0	38,667.7	40,029.5	40,323.0	42,235.4	44,426.8	45,758.3
OPEC	16,881.0	18,973.3	20,176.3	20,606.5	21,574.3	22,229.8	22,621.5
<i>OPEC percentage</i>	<i>46.1</i>	<i>49.1</i>	<i>50.4</i>	<i>51.1</i>	<i>51.1</i>	<i>50.0</i>	<i>49.4</i>
	1995	1996	1997	1998	1999	2000	2001
North America	2,619.8	2,752.6	2,790.6	2,877.8	2,778.8	3,017.7	2,992.0
Latin America	6,038.4	6,464.1	7,133.0	7,404.4	6,923.5	7,023.1	7,062.5
Eastern Europe	2,896.3	3,219.7	3,355.5	4,110.1	4,530.4	5,417.2	6,050.0
Western Europe	8,477.1	8,997.5	9,176.4	9,182.5	9,277.7	9,826.9	9,644.4
Middle East	16,897.0	17,015.0	17,819.3	18,879.6	18,444.5	19,202.0	18,131.0
Africa	5,459.1	5,747.0	6,091.3	6,215.7	6,026.4	6,373.3	6,303.4
Asia and Pacific	4,611.3	4,895.8	5,153.1	5,110.0	4,974.7	5,128.7	5,306.0
Total world	46,998.9	49,091.8	51,519.2	53,780.2	52,956.0	55,988.9	55,489.3
OPEC	23,205.7	23,704.4	24,908.7	26,194.7	25,182.4	26,124.2	24,884.0
<i>OPEC percentage</i>	<i>49.4</i>	<i>48.3</i>	<i>48.3</i>	<i>48.7</i>	<i>47.6</i>	<i>46.7</i>	<i>44.8</i>
	2002	2003	2004	2005	2006	2007	2008
North America	3,005.3	3,122.1	3,236.5	3,353.0	3,526.6	3,638.6	3,640.4
Latin America	6,553.5	6,465.4	6,619.6	6,799.1	7,030.1	6,958.7	6,789.0
Eastern Europe	5,771.2	6,505.3	6,925.3	7,754.5	8,156.2	8,560.0	8,525.3
Western Europe	9,325.8	9,240.3	9,591.3	9,327.0	9,224.7	8,780.9	8,464.8
Middle East	16,635.4	17,643.1	19,590.6	20,272.7	20,344.5	19,975.5	20,344.4
Africa	6,295.7	6,846.7	7,423.1	7,521.7	7,636.5	7,993.5	7,320.0
Asia and Pacific	5,244.8	5,244.7	5,503.3	5,654.5	5,836.8	5,969.1	6,903.7
Total world	52,831.7	55,067.6	58,889.7	60,682.6	61,755.3	61,876.3	61,987.7
OPEC	22,939.5	24,321.4	27,194.9	28,140.0	28,487.0	28,681.1	28,418.2
<i>OPEC percentage</i>	<i>43.4</i>	<i>44.2</i>	<i>46.2</i>	<i>46.4</i>	<i>46.1</i>	<i>46.4</i>	<i>45.8</i>

Notes: Revisions have been made throughout the time series. Data includes re-exports and exports of petroleum products from gas plants.

Natural gas exports by OPEC Members, 1988–2008 (*million standard cu m*)

	1988	1989	1990	1991	1992	1993	1994
Algeria	26,120	29,420	31,330	33,890	35,488	35,054	31,693
Angola	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–
Indonesia	24,580	24,870	27,530	29,710	31,630	31,800	35,150
IR Iran	–	–	1,500	3,010	–	500	–
Iraq	3,100	3,600	2,000	–	–	–	–
Kuwait	–	–	–	–	–	–	–
SP Libyan AJ	1,060	1,430	1,240	1,580	1,840	1,600	1,480
Nigeria	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–
United Arab Emirates	3,180	3,110	3,200	3,450	3,420	3,350	4,150
Venezuela	–	–	–	–	–	–	–
OPEC	58,040	62,430	66,800	71,640	72,378	72,304	72,473
	1995	1996	1997	1998	1999	2000	2001
Algeria	37,356	40,970	48,740	52,690	59,320	61,693	56,975
Angola	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–
Indonesia	33,310	35,280	35,280	36,400	39,120	36,220	32,910
IR Iran	100	100	–	–	–	–	358
Iraq	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–
SP Libyan AJ	1,490	1,200	1,120	910	960	800	790
Nigeria	–	–	–	–	740	5,730	8,690
Qatar	–	–	2,860	4,790	8,100	14,040	16,540
Saudi Arabia	–	–	–	–	–	–	–
United Arab Emirates	6,530	6,740	7,310	6,720	7,070	6,950	7,460
Venezuela	–	–	–	–	–	–	–
OPEC	78,786	84,290	95,310	101,510	115,310	125,433	123,723
	2002	2003	2004	2005	2006	2007	2008*
Algeria	57,864	59,850	59,637	64,266	61,071	58,907	59,670
Angola	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–
Indonesia	37,685	39,400	38,500	36,300	34,400	33,940	33,499
IR Iran	670	3,413	3,560	4,735	5,727	6,023	4,246
Iraq	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–
SP Libyan AJ	630	750	1,200	5,400	8,410	9,960	10,400
Nigeria	8,633	11,790	12,600	12,000	17,580	21,200	20,548
Qatar	18,390	20,245	24,200	27,100	31,100	43,500	56,781
Saudi Arabia	–	–	–	–	–	–	–
United Arab Emirates	7,113	7,297	8,087	7,499	7,767	7,549	7,567
Venezuela	–	–	–	–	–	–	–
OPEC	130,985	142,745	147,784	157,300	166,055	181,079	192,711

Notes: Totals may not add up due to independent rounding.

Table 32

Summary

World natural gas exports by region, 1988–2008 (*million standard cu m*)

	1988	1989	1990	1991	1992	1993	1994
North America	37,660	40,410	43,130	51,030	63,680	67,545	75,340
Latin America	2,230	2,210	2,200	2,220	2,200	2,127	2,180
Eastern Europe	88,830	103,480	110,200	105,200	99,100	100,900	106,730
Western Europe	59,210	64,810	62,240	67,710	71,910	74,440	73,870
Middle East	6,280	6,710	6,700	6,460	3,420	3,850	4,160
Africa	27,180	30,850	32,570	35,470	37,328	36,654	33,173
Asia and Pacific	41,110	41,600	47,290	51,470	55,810	57,930	64,040
Total world	262,500	290,070	304,330	319,560	333,448	343,446	359,493
OPEC	58,040	62,430	66,800	71,640	72,378	72,304	72,473
<i>OPEC percentage</i>	<i>22.1</i>	<i>21.5</i>	<i>21.9</i>	<i>22.4</i>	<i>21.7</i>	<i>21.1</i>	<i>20.2</i>

	1995	1996	1997	1998	1999	2000	2001
North America	83,791	85,638	86,370	90,630	99,240	108,445	117,781
Latin America	2,178	2,436	2,981	3,825	8,750	10,540	13,870
Eastern Europe	117,270	123,460	116,450	121,100	127,490	131,670	130,590
Western Europe	71,370	90,120	89,660	88,480	95,500	109,490	114,380
Middle East	7,130	7,340	10,670	12,010	15,670	23,700	31,788
Africa	38,846	42,170	49,860	53,600	61,020	68,223	66,455
Asia and Pacific	66,660	72,700	74,830	76,000	79,490	78,480	78,600
Total world	387,245	423,864	430,821	445,645	487,160	530,548	553,464
OPEC	78,786	84,290	95,310	101,510	115,310	125,433	123,723
<i>OPEC percentage</i>	<i>20.3</i>	<i>19.9</i>	<i>22.1</i>	<i>22.8</i>	<i>23.7</i>	<i>23.6</i>	<i>22.4</i>

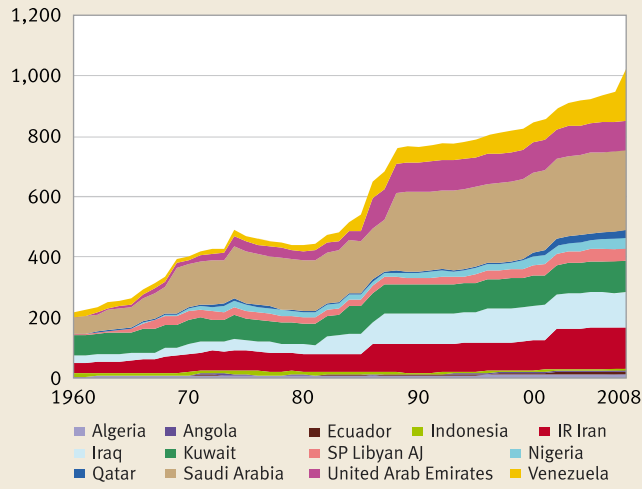
	2002	2003	2004	2005	2006	2007	2008
North America	122,220	118,444	126,336	124,800	121,060	129,500	130,949
Latin America	16,000	23,260	29,640	30,950	33,270	33,890	31,300
Eastern Europe	130,410	139,276	158,200	163,900	164,170	162,500	165,210
Western Europe	131,340	145,700	156,620	160,960	168,590	169,240	185,190
Middle East	34,633	40,565	46,447	49,934	57,534	70,172	79,484
Africa	67,127	72,740	75,727	92,166	106,561	110,047	115,918
Asia and Pacific	83,555	91,430	95,800	100,700	101,040	104,590	102,579
Total world	585,285	631,415	688,770	723,410	752,225	779,939	810,630
OPEC	130,985	142,745	147,784	157,300	166,055	181,079	192,711
<i>OPEC percentage</i>	<i>22.4</i>	<i>22.6</i>	<i>21.5</i>	<i>21.7</i>	<i>22.1</i>	<i>23.2</i>	<i>23.8</i>

Notes: Totals may not add up due to independent rounding.

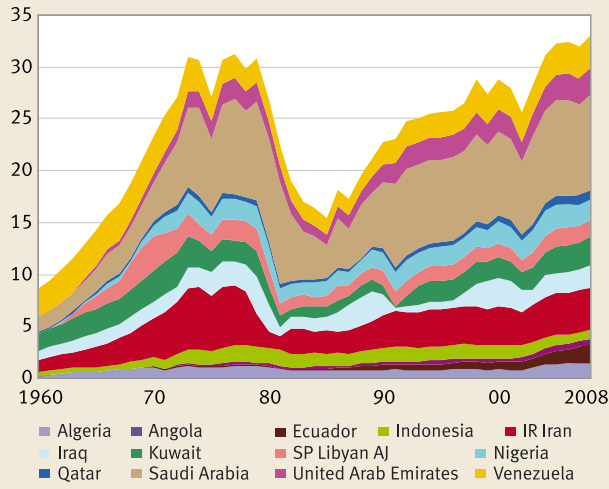
data
Oil and gas



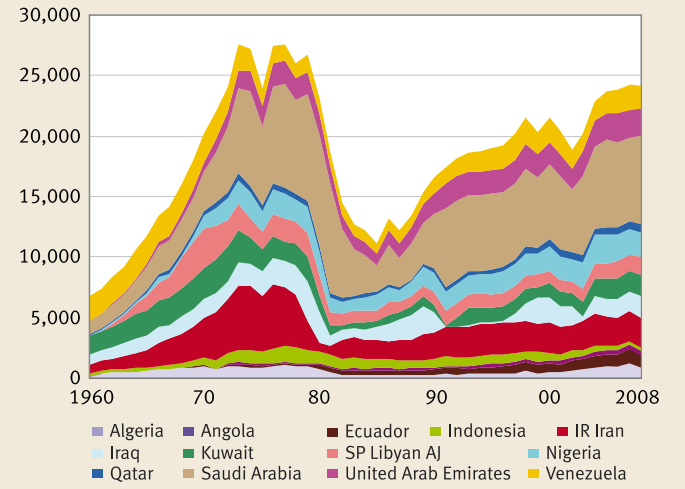
OPEC proven crude oil reserves
(bn b)



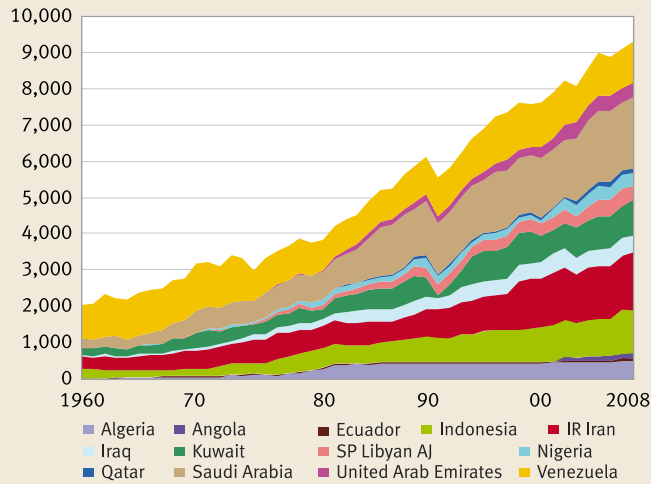
OPEC crude oil production
(m b/d)



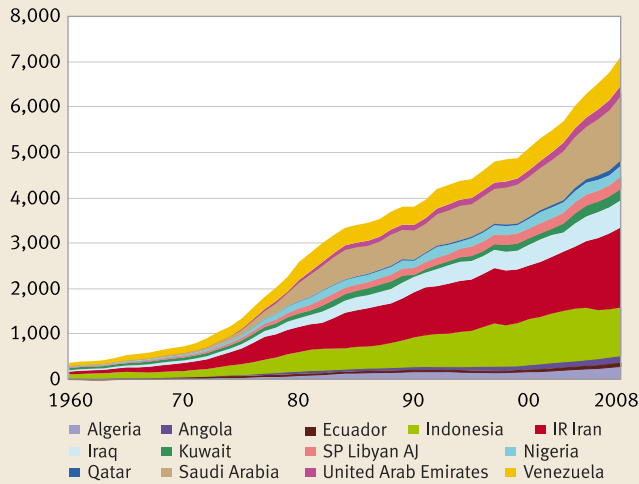
OPEC crude oil exports
(1,000 b/d)



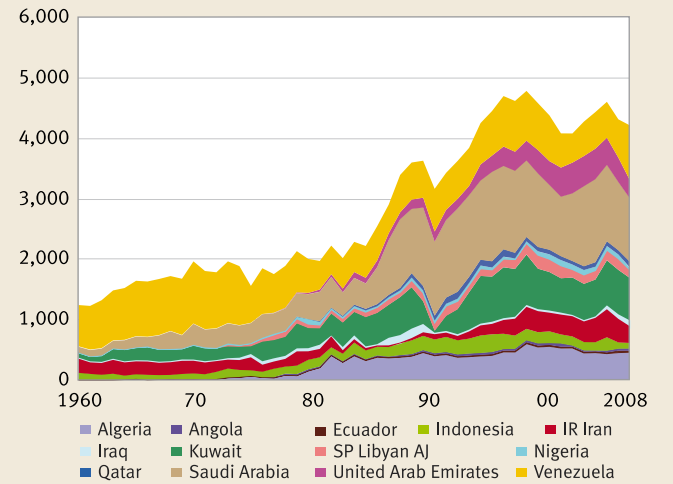
OPEC production of refined products
(1,000 b/d)



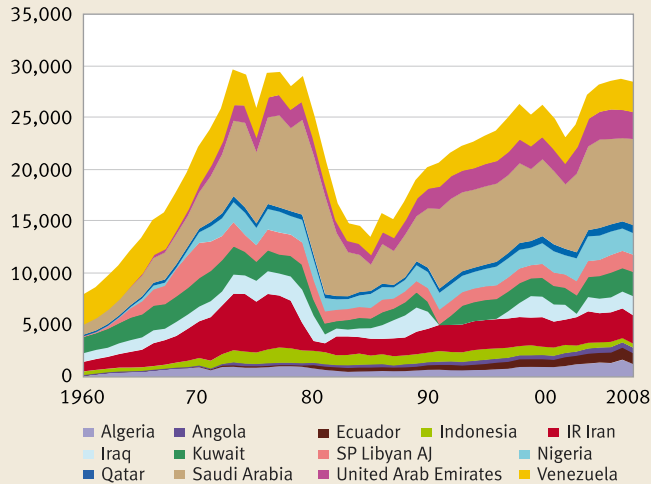
OPEC consumption of refined products
(1,000 b/d)



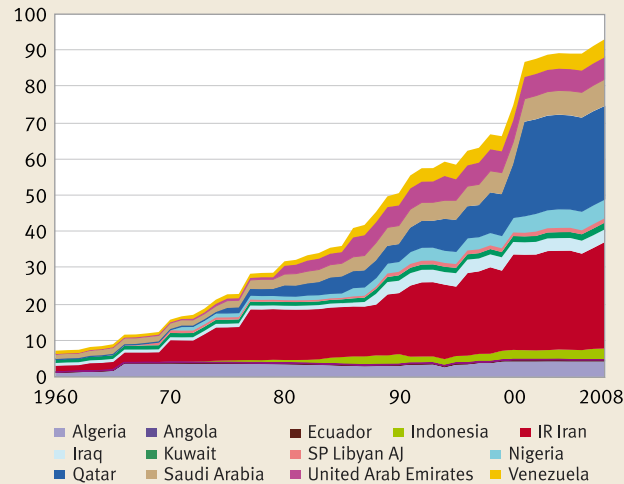
OPEC exports of refined products
(1,000 b/d)



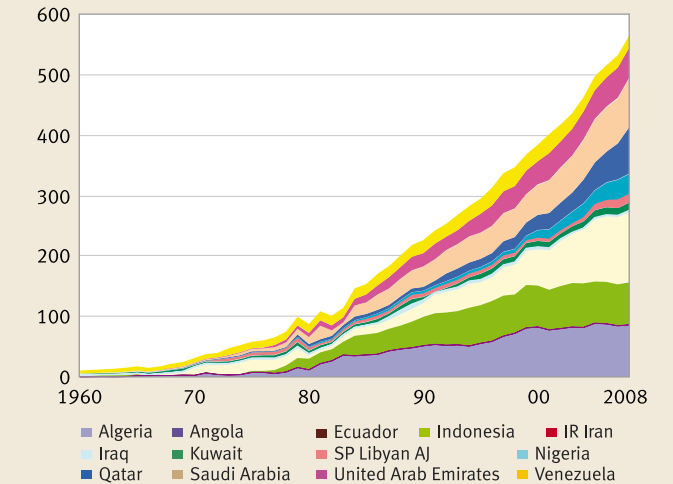
OPEC exports of crude oil and refined products
(1,000 b/d)



OPEC proven natural gas reserves by country
(1,000 bn standard cu m)



OPEC marketed production of natural gas
(bn standard cu m)



World proven crude oil reserves by country, 2004–2008 (m b)

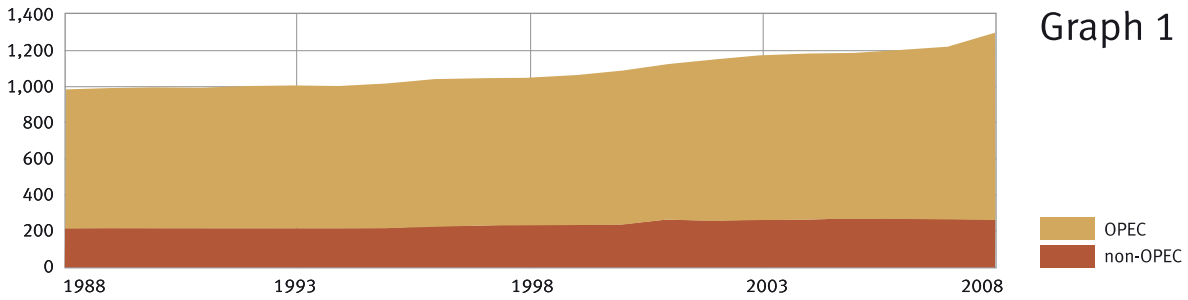
	2004	2005	2006	2007	2008	% change 08/07
North America	26,243	26,579	26,699	25,872	26,217	1.3
Canada ¹	4,352	5,208	4,942	4,900	4,900	–
United States	21,891	21,371	21,757	20,972	21,317	1.6
Latin America	118,978	118,455	124,252	137,398	210,507	53.2
Argentina	2,478	2,320	2,468	2,587	2,616	1.1
Brazil	11,243	11,772	12,182	12,624	12,624	–
Colombia	1,478	1,453	1,506	1,510	1,510	–
Ecuador	5,180	5,180	5,180	6,368	6,511	2.2
Mexico	14,803	13,670	12,850	12,187	12,187	–
Venezuela ²	79,729	80,012	87,324	99,377	172,323	73.4
Others	4,067	4,048	2,743	2,744	2,736	–0.3
Eastern Europe	126,095	127,266	128,852	128,979	128,979	–
Former USSR	125,224	126,372	128,020	128,146	128,146	–
Others	871	894	832	833	833	–
Western Europe	17,174	16,952	15,369	14,913	14,805	–0.7
Denmark	1,327	1,277	1,157	1,113	1,113	–
Norway	9,722	9,697	8,548	8,172	8,172	–
United Kingdom	3,998	3,870	3,593	3,593	3,593	–
Others	2,127	2,108	2,071	2,035	1,927	–5.3
Middle East	748,423	751,690	754,616	750,619	752,258	0.2
IR Iran	132,460	136,270	138,400	136,150	137,620	1.1
Iraq	115,000	115,000	115,000	115,000	115,000	–
Kuwait	101,500	101,500	101,500	101,500	101,500	–
Oman	5,572	5,572	5,572	5,572	5,572	–
Qatar	25,494	25,288	26,185	25,090	25,405	1.3
Saudi Arabia	264,310	264,211	264,251	264,209	264,063	–0.1
Syrian Arab Republic	3,159	3,000	3,000	2,500	2,500	–
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	–
Others	3,128	3,049	2,908	2,798	2,798	–
Africa	113,184	117,372	118,794	121,349	122,041	0.6
Algeria	11,350	12,270	12,200	12,200	12,200	–
Angola	9,035	9,050	9,330	9,500	9,500	–
Egypt	3,620	3,720	3,720	4,070	4,070	–
Gabon	2,190	2,146	1,995	1,995	1,995	–
SP Libyan AJ	39,126	41,464	41,464	43,663	44,271	1.4
Nigeria	35,876	36,220	37,200	37,200	37,200	–
Sudan	6,405	6,402	6,615	6,700	6,700	–
Others	5,581	6,100	6,270	6,020	6,105	1.4
Asia and Pacific	40,242	40,640	40,964	40,223	40,278	0.1
Australia	4,057	4,158	4,158	4,158	4,158	–
Brunei	1,120	1,105	1,200	1,200	1,200	–
China	15,528	15,587	15,615	15,493	15,493	–
India	5,565	5,919	5,693	5,459	5,459	–
Indonesia	4,301	4,188	4,370	3,990	3,990	–
Malaysia	5,160	5,252	5,357	5,357	5,357	–
Vietnam	3,084	3,119	3,250	3,410	3,410	–
Others	1,428	1,313	1,321	1,156	1,211	4.7
Total world	1,190,338	1,198,953	1,209,545	1,219,351	1,295,085	6.2
OPEC	921,161	928,453	940,204	952,048	1,027,383	7.9
OPEC percentage	77.4	77.4	77.7	78.1	79.3	

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series. For some countries condensates are included.

1. Data refers to conventional crude oil.

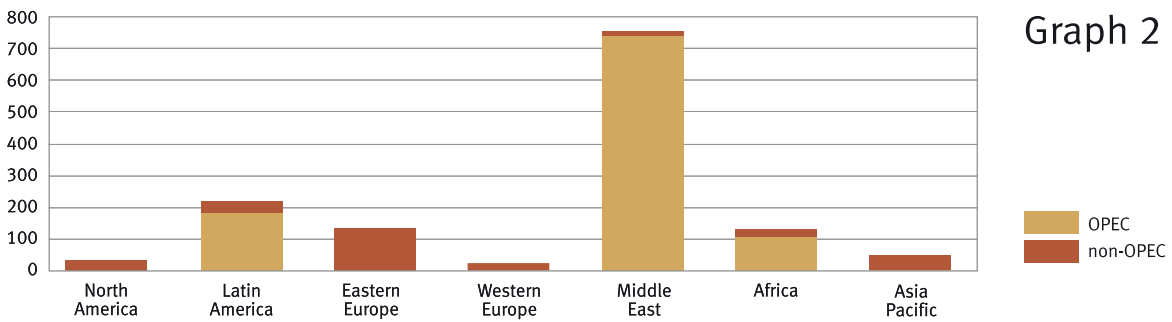
2. Including proven reserves of the Magna Reserve Project in the Orinoco Belt, which amounted to 94,168m b in 2008.

World proven crude oil reserves, 1988–2008 (bn b)



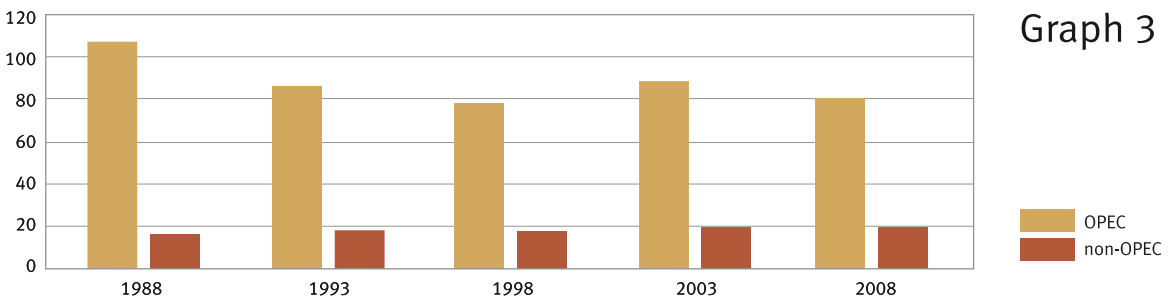
Graph 1

Crude oil reserves by region, 2008 (bn b)



Graph 2

Crude oil reserves to production ratios, 1988–2008 (years)



Graph 3

World proven natural gas reserves by country, 2004–2008 (billion standard cu m)

	2004	2005	2006	2007	2008	% change 08/07
North America	7,051	7,421	7,599	8,360	9,168	9.7
Canada	1,600	1,633	1,622	1,630	1,700	4.3
United States	5,451	5,788	5,977	6,730	7,468	11.0
Latin America	7,393	7,263	7,624	7,768	8,007	3.1
Argentina	553	439	446	440	428	-2.7
Bolivia	757	740	740	740	740	–
Ecuador	9	9	9	8	8	–
Mexico	419	408	392	373	359	-3.8
Trinidad & Tobago	532	530	480	480	500	4.2
Venezuela	4,287	4,315	4,708	4,838	4,983	3.0
Others	835	822	849	889	989	11.2
Eastern Europe	54,197	54,526	54,588	54,650	55,000	0.6
Romania	295	628	628	628	629	0.2
Former USSR	53,747	53,747	53,762	53,814	54,163	0.6
Others	155	151	198	208	208	–
Western Europe	6,015	5,836	5,524	5,344	5,292	-1.0
Germany	191	178	155	137	119	-13.1
Netherlands	1,449	1,387	1,316	1,266	1,236	-2.4
Norway	3,159	3,108	3,022	2,961	2,985	0.8
United Kingdom	826	728	684	647	625	-3.4
Others	390	435	347	333	327	-1.8
Middle East	72,521	72,518	72,235	73,643	75,289	2.2
IR Iran	27,500	27,580	26,850	28,080	29,610	5.4
Iraq	3,170	3,170	3,170	3,170	3,170	–
Kuwait	1,572	1,572	1,780	1,784	1,784	–
Oman	690	690	690	690	690	–
Qatar	25,783	25,636	25,636	25,636	25,466	-0.7
Saudi Arabia	6,834	6,900	7,154	7,305	7,570	3.6
United Arab Emirates	6,060	6,060	6,040	6,072	6,091	0.3
Others	912	910	915	906	908	0.2
Africa	14,195	14,269	14,317	14,608	14,692	0.6
Algeria	4,545	4,504	4,504	4,504	4,504	–
Angola	270	270	270	270	272	0.7
Egypt	1,869	1,920	1,985	2,060	2,170	5.3
SP Libyan AJ	1,491	1,491	1,420	1,540	1,540	–
Nigeria	5,229	5,152	5,207	5,292	5,249	-0.8
Others	791	932	931	943	958	1.6
Asia and Pacific	14,008	14,439	14,543	15,180	15,394	1.4
Australia	2,403	2,429	2,485	2,510	2,600	3.6
Bangladesh	422	407	383	374	370	-1.1
China	2,020	2,270	2,420	2,630	2,660	1.1
India	923	1,101	1,075	1,055	1,065	0.9
Indonesia	2,769	2,756	2,659	3,002	3,100	3.3
Malaysia	2,464	2,480	2,480	2,475	2,475	–
Myanmar	485	485	515	600	590	-1.7
Pakistan	798	852	847	850	852	0.2
Papua New Guinea	428	428	435	435	442	1.6
Others	1,296	1,231	1,244	1,249	1,240	-0.7
Total world	175,379	176,272	176,429	179,554	182,842	1.8
OPEC	89,519	89,415	89,407	91,502	93,347	2.0
<i>OPEC percentage</i>	<i>51.0</i>	<i>50.7</i>	<i>50.7</i>	<i>51.0</i>	<i>51.1</i>	

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 35

Oil and gas data

Active rigs in OPEC Members and in world, 2004–2008

	2004	2005	2006	2007	2008	% change 08/07
Algeria	19	21	24	27	26	-3.1
Angola	3	3	4	4	5	15.4
Ecuador	10	12	11	11	10	-5.5
Indonesia	49	55	49	57	65	12.3
IR Iran	41	40	44	50	50	-
Iraq	na	na	na	na	29	-
Kuwait	10	12	14	12	13	4.7
SP Libyan AJ	10	9	10	13	15	13.2
Nigeria	8	9	10	8	7	-11.2
Qatar	9	12	11	13	11	-10.6
Saudi Arabia	32	37	65	77	77	0.2
United Arab Emirates	16	16	16	14	12	-13.9
Venezuela	55	68	81	76	80	5.4
OPEC	262	294	339	362	400	10.4
North America	1,559	1,838	2,118	2,111	2,257	6.9
Canada	369	458	470	343	379	10.5
United States	1,190	1,380	1,648	1,768	1,878	6.2
Latin America	290	316	324	355	384	8.2
Argentina	71	77	80	81	80	-1.2
Bolivia	5	3	3	3	3	-2.9
Brazil	26	27	31	40	52	29.6
Chile	-	-	0	1	2	37.5
Colombia	9	15	22	36	41	14.9
Mexico	110	107	83	92	103	11.7
Trinidad & Tobago	4	3	5	6	5	-16.4
Western Europe	70	70	77	78	98	26.0
France	1	1	-	1	1	-20.0
Germany	4	4	4	5	9	94.6
Italy	6	4	5	4	5	10.2
Netherlands	4	4	5	4	3	-37.7
Norway	17	17	17	18	20	13.8
United Kingdom	16	21	27	26	22	-13.7
Middle East	230	248	238	265	280	5.4
Bahrain	-	-	-	-	-	-
Oman	35	34	38	48	54	13.5
Syrian Arab Republic	24	22	23	21	20	-0.8
Yemen	9	12	16	15	14	-5.5
Africa	48	50	58	66	65	-2.1
Egypt	28	29	36	46	55	20.6
Gabon	2	2	2	3	2	-37.5
South Africa	-	-	-	-	-	-
Asia and Pacific	197	225	228	241	252	4.7
Australia	14	16	20	22	27	23.9
Brunei	3	2	3	4	3	-23.5
India	70	79	82	84	81	-3.6
Malaysia	14	13	13	15	13	-14.1
New Zealand	4	5	5	5	5	10.2
Pakistan	11	12	17	19	22	15.1
World¹	2,395	2,746	3,043	3,116	3,336	7.0
<i>OPEC percentage</i>	<i>11</i>	<i>11</i>	<i>11</i>	<i>12</i>	<i>12</i>	<i>3.1</i>

Notes: Geographic area totals include all countries in the region, some of which may not have been mentioned in the breakdown. Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

1. Excluding China and the former Soviet Union.

Wells completed in OPEC Members, 2004–2008

	2004	2005	2006	2007	2008*	% change 08/07
Algeria	190	198	285	300	316	5.3
Oil	122	131	210	205	200	-2.4
Gas	33	37	38	55	80	44.7
Dry	18	15	7	10	14	42.9
Others	17	16	30	30	30	-
Average depth (ft)	9,910	9,915	8,968	9,300	9,644	3.7
Angola	50	45	57	75	99	31.6
Oil	38	40	48	61	78	27.1
Gas	na	na	na	na	na	na
Dry	5	2	4	10	25	150.0
Others	7	3	5	4	3	-20.0
Average depth (ft)	9,000	9,000	9,000	9,100	9,201	1.1
Ecuador	112	134	154	149	144	-3.2
Oil	97	118	125	146	171	16.8
Gas	na	na	na	na	na	na
Dry	6	7	11	1	0	-90.9
Others	9	9	18	2	0	-88.9
Average depth (ft)	9,725	9,728	9,730	9,732	9,733	-
Indonesia	1,100	1,150	1,075	1,100	1,126	2.3
Oil	807	605	566	570	574	0.7
Gas	88	430	402	420	439	4.5
Dry	80	52	49	55	62	12.2
Others	125	63	58	55	52	-5.2
Average depth (ft)	3,330	3,350	3,120	3,350	3,597	7.4
IR Iran	177	183	188	235	294	25.0
Oil	97	90	155	194	243	25.2
Gas	20	15	22	31	44	40.9
Dry	6	10	3	4	5	33.3
Others	54	68	8	6	5	-25.0
Average depth (ft)	7,200	7,225	7,228	7,232	7,235	-
Iraq	20	15	19	na	na	na
Oil	na	10	14	na	na	na
Gas	na	na	na	na	na	na
Dry	na	1	1	na	na	na
Others	na	4	4	na	na	na
Average depth (ft)	3,177	6,562	6,565	na	na	na
Kuwait	73	67	73	73	73	-
Oil	64	59	60	60	60	-
Gas	na	na	na	na	na	na
Dry	1	2	1	1	1	-
Others	8	6	12	12	12	-
Average depth (ft)	8,150	8,175	8,175	8,193	8,211	0.2
SP Libyan AJ	130	115	128	153	183	19.5
Oil	83	102	108	139	179	28.7
Gas	25	2	3	4	5	33.3
Dry	10	4	4	5	6	25.0
Others	12	7	13	5	2	-61.5
Average depth (ft)	6,705	6,710	6,555	6,500	6,446	-0.8
Nigeria	85	95	143	183	234	28.0
Oil	62	69	104	153	225	47.1
Gas	7	8	12	14	16	16.7
Dry	9	10	15	1	-	-93.3
Others	7	8	12	15	19	25.0
Average depth (ft)	9,010	9,015	9,015	9,150	9,287	1.5

Table 36

Oil and gas data

Wells completed in OPEC Members, 2004–2008

	2004	2005	2006	2007	2008*	% change 08/07
Qatar	82	62	85	88	91	3.5
Oil	45	12	17	20	24	17.6
Gas	9	31	44	66	99	50.0
Dry	3	4	5	1	–	–80.0
Others	25	15	19	2	–	–89.5
Average depth (ft)	12,365	9,479	9,480	9,450	9,420	–0.3
Saudi Arabia	315	373	420	483	555	15.0
Oil	na	na	333	383	441	15.0
Gas	na	na	35	45	58	28.6
Dry	na	na	4	5	6	25.0
Others	na	na	24	50	104	108.3
Average depth (ft)	8,000	8,005	8,010	8,100	8,191	1.1
Saudi–Kuwait Neutral Zone	25	17	54	20	7	–63.0
Oil	21	14	47	18	7	–61.7
Gas	na	na	na	2	na	na
Dry	na	1	1	na	na	na
Others	4	2	6	na	na	na
Average depth (ft)	6,520	6,525	6,520	6,568	6,616	0.7
United Arab Emirates	101	109	105	112	119	6.7
Oil	51	94	93	96	99	3.2
Gas	35	6	5	7	10	40.0
Dry	3	4	3	2	1	–33.3
Others	12	5	4	7	12	75.0
Average depth (ft)	8,937	8,905	8,910	8,512	8,132	–4.5
Venezuela	1,175	1,281	1,508	1,550	1,593	2.8
Oil	915	997	1,170	1,195	1,221	2.1
Gas	6	7	10	35	123	250.0
Dry	11	12	15	30	60	100.0
Others	243	265	313	290	269	–7.3
Average depth (ft)	5,752	5,755	5,756	5,760	5,764	0.1
OPEC	3,635	3,844	4,294	4,521	4,835	6.9
Oil	2,402	2,341	3,050	3,240	3,520	8.6
Gas	223	536	571	679	873	28.6
Dry	152	124	123	125	182	45.2
Others	523	471	526	478	508	6.3
Average depth (ft)	7,699	7,739	7,645	7,765	7,806	0.5
Total world¹	89,478	97,430	104,009	105,831	107,685	1.8
Oil	20,043	36,358	44,328	45,160	46,008	1.9
Gas	41,490	46,623	41,715	44,083	46,585	5.7
Dry	6,789	7,146	7,247	7,306	7,365	0.8
Others	2,995	1,788	4,560	3,079	2,079	–32.5
Average depth (ft)	5,604	5,605	5,842	6,376	6,959	9.1

Notes: Others = service and suspended wells. Figures include development and exploration wells.

1. Excluding Eastern Europe. Summation of wells by category may not equal total due to unavailability of individual data for some countries.

Producing wells in OPEC Members, 2004–2008

	2004	2005	2006	2007	2008*	% change 08/07
Algeria	1,420	1,475	1,580	1,790	2,028	13.3
Flowing	1,070	1,098	1,195	1,350	1,525	13.0
Artificial lift	350	377	385	440	503	14.3
Angola	1,070	1,110	1,183	1,250	1,321	5.7
Flowing	565	599	651	689	729	5.8
Artificial lift	505	511	532	561	592	5.5
Ecuador	715	765	807	3,134	3,447	10.0
Flowing	15	18	18	75	83	10.0
Artificial lift	700	747	789	3,059	3,365	10.0
Indonesia	8,195	8,505	8,775	9,546	10,423	9.2
Flowing	1,245	1,288	1,325	1,650	2,055	24.5
Artificial lift	6,950	7,217	7,450	7,896	8,369	6.0
IR Iran	1,450	1,540	1,435	1,737	2,074	19.4
Flowing	1,450	1,540	1,435	1,717	2,054	19.7
Artificial lift	–	–	–	20	20	–
Iraq	801	1,480	1,490	1,508	1,526	1.2
Flowing	748	1,250	1,258	1,273	1,288	1.2
Artificial lift	53	230	232	235	238	1.3
Kuwait	975	1,030	1,055	1,103	1,286	16.6
Flowing	975	1,020	1,040	1,043	1,046	0.3
Artificial lift	–	10	15	60	240	300.0
SP Libyan AJ	1,590	1,685	1,725	1,875	2,060	9.9
Flowing	970	1,010	1,035	1,030	1,025	–0.5
Artificial lift	620	675	690	845	1,035	22.5
Nigeria	2,710	2,775	2,825	2,984	3,152	5.6
Flowing	2,065	2,081	2,125	2,243	2,368	5.6
Artificial lift	645	694	700	741	784	5.9
Qatar	485	320	332	413	516	24.9
Flowing	325	219	227	295	383	30.0
Artificial lift	160	101	105	118	133	12.4
Saudi Arabia	1,820	1,885	1,900	2,310	2,811	21.7
Flowing	1,700	1,760	1,771	2,170	2,659	22.5
Artificial lift	120	125	129	140	152	8.5
Saudi-Kuwait Neutral Zone	655	662	679	719	761	5.9
Flowing	232	238	241	259	278	7.5
Artificial lift	423	424	438	460	483	5.0
United Arab Emirates	1,507	1,583	1,659	1,719	1,782	3.7
Flowing	1,126	1,186	1,247	1,276	1,306	2.3
Artificial lift	381	397	412	443	476	7.5
Venezuela	12,723	13,625	14,430	14,540	14,651	0.8
Flowing	570	610	720	740	761	2.8
Artificial lift	12,153	13,015	13,710	13,800	13,891	0.7
OPEC¹	36,116	38,440	39,875	44,628	47,839	7.2
Flowing	13,056	13,917	14,288	15,810	17,560	11.1
Artificial lift	23,060	24,523	25,587	28,818	30,280	5.1
Total world^{1,2}	716,251	772,500	787,240	659,595	552,647	–16.2
Flowing	34,520	39,957	30,648	35,303	40,664	15.2
Artificial lift	680,796	603,537	604,260	603,899	603,537	–0.1

Notes: Excluding shut-in wells. Figures as at year-end.

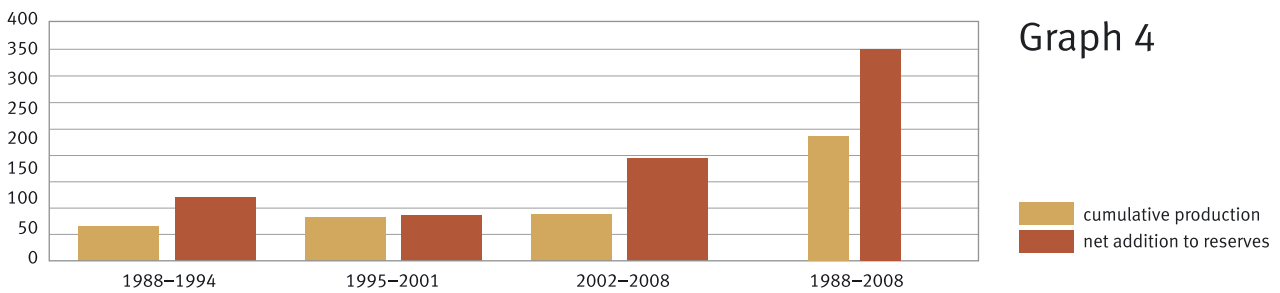
1. Summation of wells by category may not equal the total for OPEC due to lack of data for some countries.

2. Excluding Eastern Europe.

OPEC cumulative production and net addition to reserves (bn b)

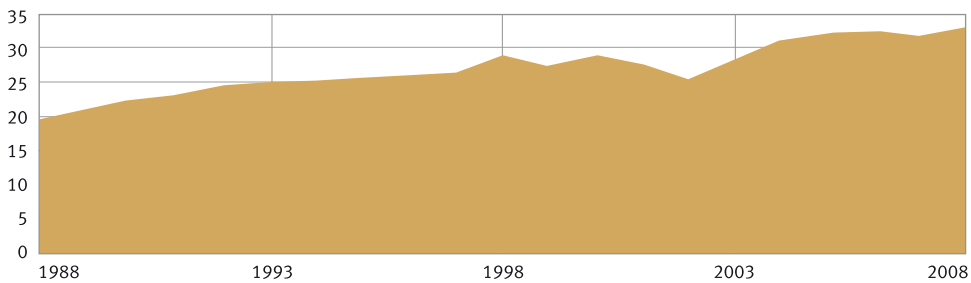
	Production	Net addition to reserves		Production	Net addition to reserves
before 1988	240.658		1998	338.787	4.86
1988	247.830	86.38	1999	348.755	9.33
1989	255.545	4.35	2000	359.323	23.35
1990	263.860	0.51	2001	369.546	7.94
1991	272.275	6.06	2002	378.888	36.63
1992	281.321	3.35	2003	389.177	19.82
1993	290.474	1.83	2004	400.551	5.70
1994	299.793	3.75	2005	412.342	7.29
1995	309.133	7.72	2006	424.186	11.75
1996	318.585	18.39	2007	435.840	11.84
1997	328.268	3.57	2008	447.952	75.34

OPEC cumulative production and net addition to reserves, 1988–2008 (bn b)



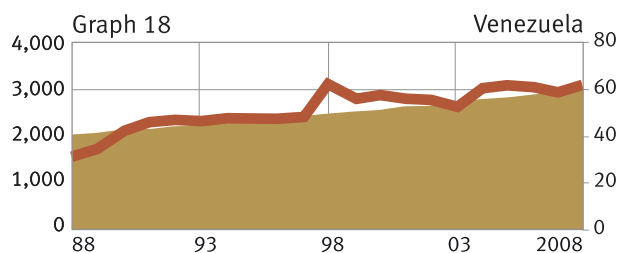
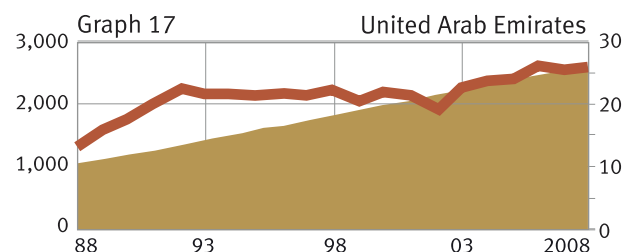
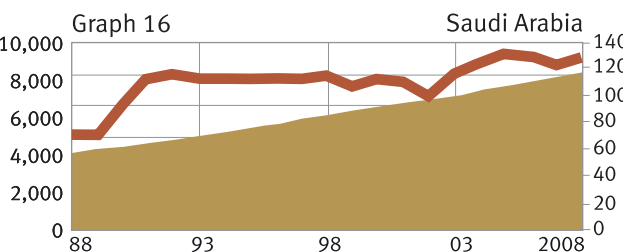
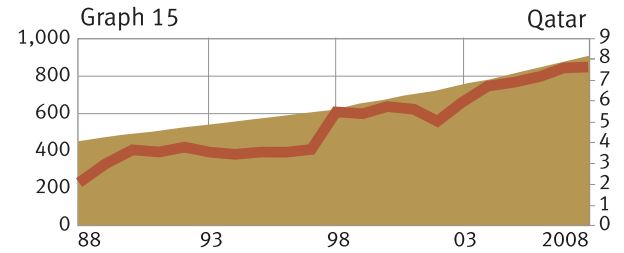
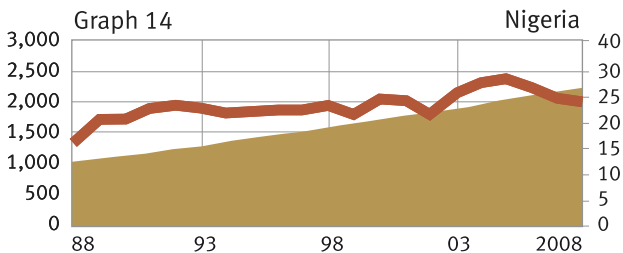
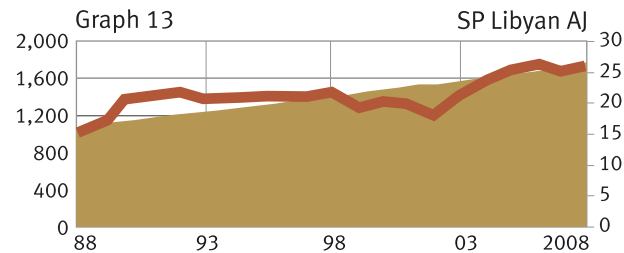
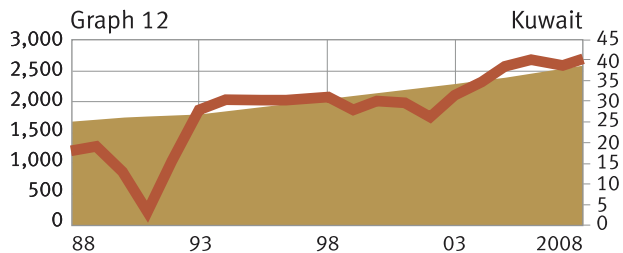
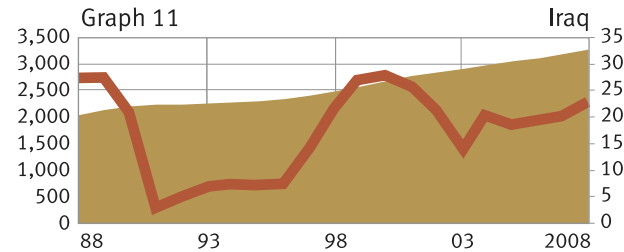
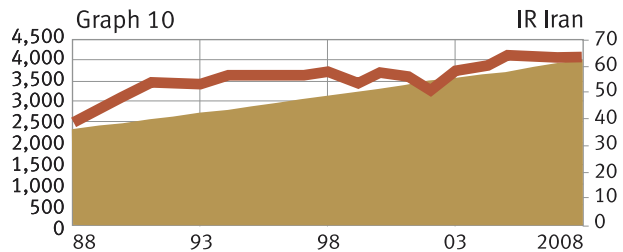
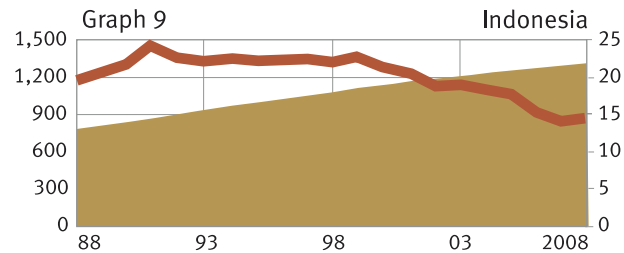
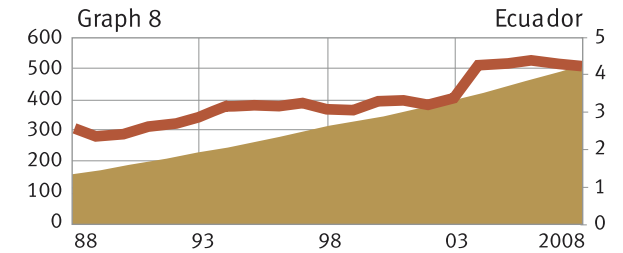
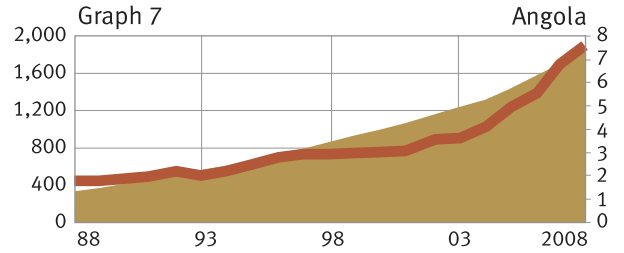
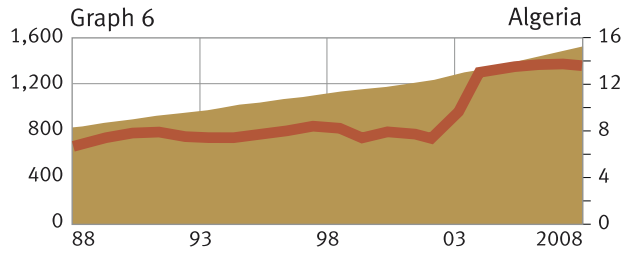
Graph 4

OPEC crude oil production, 1988–2008 (m b/d)



Graph 5

Cumulative and daily crude oil production



■ cumulative (right hand side figures, bn b)
 ■ daily (left hand side figures, 1,000 b/d)

Table 38

Oil and gas data

Algeria — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1918–1957		2,533	–	1983	660.9	7,194,116	–6.2
1958	8.8	5,745	–	1984	695.4	7,448,633	5.2
1959	25.6	15,089	190.9	1985	672.4	7,694,050	–3.3
1960	181.1	81,372	607.4	1986	673.9	7,940,017	0.2
1961	330.9	202,150	82.7	1987	648.2	8,176,620	–3.8
1962	436.9	361,619	32.0	1988	672.9	8,422,905	3.8
1963	504.3	545,688	15.4	1989	727.3	8,688,369	8.1
1964	557.8	749,843	10.6	1990	783.5	8,974,340	7.7
1965	558.7	953,769	0.2	1991	803.0	9,267,435	2.5
1966	718.7	1,216,094	28.6	1992	756.5	9,544,314	–5.8
1967	825.7	1,517,475	14.9	1993	747.3	9,817,079	–1.2
1968	904.2	1,848,412	9.5	1994	752.5	10,091,741	0.7
1969	946.4	2,193,848	4.7	1995	752.5	10,366,404	–
1970	1,029.1	2,569,469	8.7	1996	805.7	10,661,290	7.1
1971	785.4	2,856,140	–23.7	1997	846.1	10,970,116	5.0
1972	1,062.3	3,244,942	35.3	1998	827.3	11,272,081	–2.2
1973	1,097.3	3,645,457	3.3	1999	749.6	11,545,697	–9.4
1974	1,008.6	4,013,596	–8.1	2000	796.0	11,837,030	6.2
1975	982.6	4,372,245	–2.6	2001	776.6	12,120,489	–2.4
1976	1,075.1	4,765,728	9.4	2002	729.9	12,386,902	–6.0
1977	1,152.3	5,186,312	7.2	2003	942.4	12,730,878	29.1
1978	1,161.2	5,610,136	0.8	2004	1,311.4	13,210,851	39.2
1979	1,153.8	6,031,277	–0.6	2005	1,352.0	13,704,331	3.1
1980¹	1,019.9	6,404,548	–11.6	2006	1,368.8	14,203,954	1.2
1981	797.8	6,695,745	–21.8	2007	1,371.6	14,704,588	0.2
1982	704.5	6,952,888	–11.7	2008	1,356.0	15,200,884	–1.1

Notes: 1. Data not comparable due to inclusion of condensates prior to 1978.

Angola — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1956	0.1	44	–	1983	177.5	784,324	40.9
1957	0.2	105	37.2	1984	206.0	859,720	16.1
1958	0.8	411	404.8	1985	231.6	944,268	12.4
1959	0.8	719	0.8	1986	282.3	1,047,308	21.9
1960	1.1	1,127	31.7	1987	357.7	1,177,852	26.7
1961	1.8	1,783	61.5	1988	452.1	1,343,331	26.4
1962	8.0	4,689	342.8	1989	452.7	1,508,553	0.1
1963	13.4	9,563	67.7	1990	473.8	1,681,478	4.7
1964	15.3	15,171	14.7	1991	497.0	1,862,867	4.9
1965	11.1	19,233	–27.4	1992	549.1	2,063,854	10.5
1966	10.7	23,138	–3.8	1993	504.5	2,247,986	–8.1
1967	9.1	26,450	–15.2	1994	550.3	2,448,848	9.1
1968	12.6	31,056	38.7	1995	607.1	2,670,457	10.3
1969	40.4	45,803	221.1	1996	679.2	2,919,052	11.9
1970	83.9	76,423	107.6	1997	713.6	3,179,514	5.1
1971	109.6	116,425	30.6	1998	712.5	3,439,568	–0.2
1972	139.0	167,282	26.8	1999	720.8	3,702,672	1.2
1973	152.2	222,849	9.6	2000	736.1	3,972,081	2.1
1974	168.3	284,284	10.6	2001	740.4	4,242,318	0.6
1975	162.6	343,626	–3.4	2002	894.2	4,568,691	20.8
1976	135.3	393,135	–16.8	2003	901.2	4,897,633	0.8
1977	177.6	457,949	31.3	2004	1,020.3	5,271,065	13.2
1978	166.1	518,569	–6.5	2005	1,241.4	5,724,167	21.7
1979	136.7	568,459	–17.7	2006	1,384.6	6,229,546	11.5
1980	150.0	623,359	9.7	2007	1,694.6	6,848,075	22.4
1981	137.5	673,547	–8.3	2008	1,896.3	7,542,136	11.9
1982	126.0	719,537	–8.4				

Notes: 1988, 2000, 2003, 2006: direct communications to the Secretariat and secondary sources.

Ecuador — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1960	7.5	2,745	—	1985	280.6	1,050,161	9.6
1961	8.0	5,665	6.7	1986	256.5	1,143,792	-8.6
1962	7.0	8,220	-12.5	1987	180.9	1,209,805	-29.5
1963	6.8	10,702	-2.9	1988	300.8	1,319,906	66.3
1964	7.6	13,484	11.8	1989	278.9	1,421,704	-7.3
1965	7.8	16,331	2.6	1990	286.1	1,526,131	2.6
1966	7.3	18,995	-6.4	1991	309.3	1,639,025	8.1
1967	6.2	21,258	-15.1	1992	320.5	1,756,328	3.6
1968	5.0	23,088	-19.4	1993	340.4	1,880,586	6.2
1969	4.4	24,694	-12.0	1994	372.7	2,016,620	9.5
1970	4.1	26,191	-6.8	1995	380.5	2,155,505	2.1
1971	3.7	27,541	-9.8	1996	377.9	2,293,827	-0.7
1972	78.1	56,126	2,010.8	1997	381.8	2,433,175	1.0
1973	208.8	132,338	167.3	1998	367.3	2,567,257	-3.8
1974	177.0	196,943	-15.2	1999	362.6	2,699,616	-1.3
1975	160.9	255,671	-9.1	2000	392.2	2,843,162	8.2
1976	187.9	324,427	16.8	2001	394.5	2,987,147	0.6
1977	183.4	391,382	-2.4	2002	378.6	3,125,325	-4.0
1978	201.8	465,037	10.0	2003	402.0	3,272,065	6.2
1979	214.2	543,226	6.2	2004	507.3	3,457,730	26.2
1980	204.1	617,927	-4.7	2005	511.9	3,644,561	0.9
1981	211.0	694,942	3.4	2006	518.4	3,833,768	1.3
1982	198.3	767,322	-6.0	2007	511.4	4,020,429	-1.3
1983	237.5	854,009	19.8	2008	501.4	4,203,948	-2.0
1984	256.1	947,742	7.8				

Table 38

Oil and gas data

Indonesia — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1893	2.0	730	–	1951	151.9	1,320,894	14.6
1894	2.0	1,460	–	1952	170.6	1,383,334	12.3
1895	3.0	2,555	50.0	1953	205.9	1,458,487	20.7
1896	4.0	4,019	33.3	1954	217.6	1,537,911	5.7
1897	7.0	6,574	75.0	1955	235.5	1,623,869	8.2
1898	8.0	9,494	14.3	1956	254.8	1,717,126	8.2
1899	5.0	11,319	–37.5	1957	312.1	1,831,042	22.5
1900	6.0	13,515	20.0	1958	325.1	1,949,704	4.2
1901	11.0	17,530	83.3	1959	373.1	2,085,885	14.8
1902	7.0	20,085	–36.4	1960	409.6	2,235,799	9.8
1903	16.0	25,925	128.6	1961	424.3	2,390,668	3.6
1904	18.0	32,513	12.5	1962	453.4	2,556,159	6.9
1905	22.0	40,543	22.2	1963	444.0	2,718,219	–2.1
1906	22.0	48,573	–	1964	456.6	2,885,335	2.8
1907	27.0	58,428	22.7	1965	480.6	3,060,754	5.3
1908	28.0	68,676	3.7	1966	464.6	3,230,333	–3.3
1909	30.0	79,626	7.1	1967	505.4	3,414,804	8.8
1910	30.0	90,576	–	1968	600.7	3,634,660	18.9
1911	33.0	102,621	10.0	1969	742.3	3,905,600	23.6
1912	30.0	113,601	–9.1	1970	853.6	4,217,164	15.0
1913	31.0	124,916	3.3	1971	892.1	4,542,780	4.5
1914	31.0	136,231	–	1972	1,080.8	4,938,353	21.2
1915	33.0	148,276	6.5	1973	1,338.5	5,426,905	23.8
1916	34.0	160,720	3.0	1974	1,374.5	5,928,598	2.7
1917	36.0	173,860	5.9	1975	1,306.5	6,405,470	–4.9
1918	35.0	186,635	–2.8	1976	1,503.6	6,955,791	15.1
1919	42.0	201,965	20.0	1977	1,686.2	7,571,238	12.1
1920	47.9	219,496	14.0	1978	1,635.2	8,168,086	–3.0
1921	46.5	236,469	–2.9	1979	1,590.8	8,748,731	–2.7
1922	46.8	253,551	0.6	1980	1,575.7	9,325,438	–0.9
1923	54.4	273,407	16.2	1981	1,604.2	9,910,982	1.8
1924	55.9	293,866	2.8	1982	1,324.8	10,394,534	–17.4
1925	58.7	315,292	5.0	1983	1,245.3	10,849,068	–6.0
1926	58.2	336,535	–0.9	1984	1,280.1	11,317,585	2.8
1927	75.2	363,983	29.2	1985	1,181.5	11,748,832	–7.7
1928	87.6	396,044	16.5	1986	1,256.8	12,207,564	6.4
1929	107.6	435,318	22.8	1987	1,158.1	12,630,257	–7.9
1930	114.3	477,038	6.2	1988	1,161.5	13,055,378	0.3
1931	97.4	512,589	–14.8	1989	1,231.0	13,504,693	6.0
1932	106.6	551,605	9.4	1990	1,299.3	13,978,938	5.5
1933	116.9	594,273	9.7	1991	1,450.0	14,508,188	11.6
1934	127.5	640,811	9.1	1992	1,347.7	15,001,446	–7.1
1935	129.2	687,969	1.3	1993	1,327.3	15,485,910	–1.5
1936	136.7	738,001	5.8	1994	1,332.8	15,972,382	0.4
1937	155.4	794,722	13.7	1995	1,328.4	16,457,248	–0.3
1938	157.0	852,027	1.0	1996	1,326.7	16,942,822	–0.1
1939	170.1	914,113	8.3	1997	1,330.4	17,428,404	0.3
1940	169.4	976,114	–0.4	1998	1,315.4	17,908,514	–1.1
1941	147.1	1,029,805	–13.2	1999	1,355.5	18,403,271	3.1
1942	65.8	1,053,822	–55.3	2000	1,272.5	18,869,006	–6.1
1943	132.3	1,102,112	101.1	2001	1,214.2	19,312,182	–4.6
1944	60.8	1,124,364	–54.0	2002	1,125.4	19,722,953	–7.3
1945	20.8	1,131,956	–65.8	2003	1,139.7	20,138,929	1.3
1946	5.7	1,134,037	–72.6	2004	1,094.4	20,539,479	–4.0
1947	22.0	1,142,067	286.0	2005	1,059.3	20,926,124	–3.2
1948	86.8	1,173,836	294.5	2006	883.0	21,248,419	–16.6
1949	118.4	1,217,052	36.4	2007	837.6	21,554,149	–5.1
1950	132.6	1,265,451	12.0	2008	856.7	21,867,691	2.3

IR Iran — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1913	5.0	1,825	–	1961	1,202.2	4,606,520	12.6
1914	8.0	4,745	60.0	1962	1,334.5	5,093,613	11.0
1915	10.0	8,395	25.0	1963	1,491.3	5,637,937	11.7
1916	12.0	12,787	20.0	1964	1,710.7	6,264,053	14.7
1917	19.0	19,722	58.3	1965	1,908.3	6,960,583	11.6
1918	23.6	28,336	24.2	1966	2,131.8	7,738,690	11.7
1919	27.8	38,483	17.8	1967	2,603.2	8,688,858	22.1
1920	33.4	50,707	20.1	1968	2,839.8	9,728,225	9.1
1921	45.7	67,388	36.8	1969	3,375.8	10,960,392	18.9
1922	61.0	89,653	33.5	1970	3,829.0	12,357,977	13.4
1923	69.1	114,874	13.3	1971	4,539.5	14,014,894	18.6
1924	88.5	147,265	28.1	1972	5,023.1	15,853,349	10.7
1925	96.0	182,305	8.5	1973	5,860.9	17,992,577	16.7
1926	98.2	218,148	2.3	1974	6,021.6	20,190,461	2.7
1927	108.7	257,824	10.7	1975	5,350.1	22,143,248	–11.2
1928	118.7	301,268	9.2	1976	5,882.9	24,296,396	10.0
1929	115.5	343,426	–2.7	1977	5,662.8	26,363,325	–3.7
1930	125.6	389,270	8.7	1978	5,241.7	28,276,547	–7.4
1931	121.6	433,654	–3.2	1979	3,167.9	29,432,830	–39.6
1932	135.2	483,137	11.2	1980	1,467.4	29,969,896	–53.7
1933	149.0	537,522	10.2	1981	1,262.8	30,430,833	–13.9
1934	158.5	595,374	6.4	1982	2,420.6	31,314,367	91.7
1935	156.9	652,643	–1.0	1983	2,441.7	32,205,582	0.9
1936	171.4	715,375	9.2	1984	2,032.4	32,949,441	–16.8
1937	213.2	793,193	24.4	1985	2,192.3	33,749,640	7.9
1938	214.7	871,559	0.7	1986	2,037.1	34,493,186	–7.1
1939	214.1	949,705	–0.3	1987	2,297.6	35,331,818	12.8
1940	181.2	1,016,024	–15.4	1988	2,478.5	36,238,958	7.9
1941	139.1	1,066,796	–23.2	1989	2,814.1	37,266,096	13.5
1942	198.0	1,139,066	42.3	1990	3,135.3	38,410,483	11.4
1943	204.4	1,213,672	3.2	1991	3,406.8	39,653,959	8.7
1944	278.8	1,315,713	36.4	1992	3,431.6	40,909,922	0.7
1945	357.6	1,446,237	28.3	1993	3,425.2	42,160,122	–0.2
1946	402.2	1,593,040	12.5	1994	3,596.0	43,472,662	5.0
1947	424.7	1,748,055	5.6	1995	3,595.0	44,784,837	–
1948	520.2	1,938,448	22.5	1996	3,596.0	46,100,973	–
1949	560.9	2,143,177	7.8	1997	3,603.4	47,416,207	0.2
1950	664.3	2,385,646	18.4	1998	3,714.0	48,771,817	3.1
1951	349.6	2,513,250	–47.4	1999	3,439.0	50,027,052	–7.4
1952	27.6	2,523,352	–92.1	2000	3,661.3	51,367,070	6.5
1953	26.8	2,533,134	–2.9	2001	3,572.0	52,670,850	–2.4
1954	61.4	2,555,545	129.1	2002	3,248.0	53,856,370	–9.1
1955	328.9	2,675,594	435.7	2003	3,741.6	55,222,054	15.2
1956	541.8	2,873,892	64.7	2004	3,834.2	56,625,371	2.5
1957	719.8	3,136,619	32.9	2005	4,091.5	58,118,768	6.7
1958	826.1	3,438,146	14.8	2006	4,072.6	59,605,267	–0.5
1959	928.2	3,776,939	12.4	2007	4,030.7	61,076,473	–1.0
1960	1,067.7	4,167,717	15.0	2008	4,055.7	62,560,849	0.6

Table 38

Oil and gas data

Iraq — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1928	2.7	988	–	1969	1,521.2	6,910,839	1.2
1929	3.0	2,083	11.1	1970	1,548.6	7,476,078	1.8
1930	2.0	2,813	–33.3	1971	1,694.1	8,094,425	9.4
1931	2.0	3,543	–	1972	1,465.5	8,630,798	–13.5
1932	1.4	4,056	–30.0	1973	2,018.1	9,367,404	37.7
1933	1.6	4,640	14.3	1974	1,970.6	10,086,673	–2.4
1934	16.5	10,662	931.3	1975	2,261.7	10,912,194	14.8
1935	78.1	39,169	373.3	1976	2,415.4	11,796,236	6.8
1936	85.7	70,535	9.7	1977	2,348.2	12,653,333	–2.8
1937	92.4	104,261	7.8	1978	2,562.0	13,588,476	9.1
1938	91.5	137,658	–1.0	1979	3,476.9	14,857,556	35.7
1939	85.5	168,866	–6.6	1980	2,646.4	15,826,156	–23.9
1940	55.9	189,325	–34.6	1981	897.4	16,153,707	–66.1
1941	36.3	202,575	–35.1	1982	1,078.4	16,547,318	20.2
1942	55.7	222,905	53.4	1983	1,098.8	16,948,376	1.9
1943	79.3	251,850	42.4	1984	1,221.3	17,395,379	11.2
1944	92.5	285,705	16.6	1985	1,404.4	17,907,969	15.0
1945	100.1	322,241	8.2	1986	1,876.5	18,592,904	33.6
1946	101.8	359,398	1.7	1987	2,358.7	19,453,818	25.7
1947	103.0	396,993	1.2	1988	2,744.5	20,458,289	16.4
1948	76.6	425,029	–25.6	1989	2,785.8	21,475,101	1.5
1949	90.6	458,098	18.3	1990	2,112.6	22,246,208	–24.2
1950	139.6	509,052	54.1	1991	282.5	22,349,308	–86.6
1951	180.8	575,044	29.5	1992	526.2	22,541,898	86.3
1952	389.0	717,418	115.2	1993	659.5	22,782,603	25.3
1953	581.4	929,629	49.5	1994	748.7	23,055,870	13.5
1954	636.2	1,161,842	9.4	1995	736.9	23,324,835	–1.6
1955	697.0	1,416,247	9.6	1996	740.4	23,595,829	0.5
1956	641.0	1,650,853	–8.0	1997	1,383.9	24,100,958	86.9
1957	449.5	1,814,920	–29.9	1998	2,181.1	24,897,053	57.6
1958	731.3	2,081,845	62.7	1999	2,719.8	25,889,795	24.7
1959	856.9	2,394,613	17.2	2000	2,810.0	26,918,241	3.3
1960	972.2	2,750,439	13.5	2001	2,593.7	27,864,935	–7.7
1961	1,007.1	3,118,030	3.6	2002	2,126.5	28,641,106	–18.0
1962	1,009.2	3,486,388	0.2	2003	1,377.8	29,144,013	–35.2
1963	1,161.9	3,910,482	15.1	2004	2,107.1	29,915,198	52.9
1964	1,255.2	4,369,885	8.0	2005	1,853.2	30,591,598	–12.1
1965	1,312.6	4,848,984	4.6	2006	1,957.2	31,305,985	5.6
1966	1,392.2	5,357,137	6.1	2007	2,035.2	32,048,849	4.0
1967	1,228.1	5,805,393	–11.8	2008	2,280.5	32,883,526	12.1
1968	1,503.3	6,355,601	22.4				

Kuwait — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1946	16.2	5,913	–	1978	2,131.4	20,471,641	8.2
1947	44.5	22,156	174.7	1979	2,500.3	21,384,250	17.3
1948	127.2	68,711	185.8	1980	1,663.7	21,993,164	–33.5
1949	246.5	158,683	93.8	1981	1,129.7	22,405,504	–32.1
1950	344.4	284,389	39.7	1982	824.3	22,706,374	–27.0
1951	561.4	489,300	63.0	1983	1,054.1	23,091,120	27.9
1952	747.1	762,739	33.1	1984	1,163.0	23,516,778	10.3
1953	861.9	1,077,332	15.4	1985	936.3	23,858,536	–19.5
1954	959.7	1,427,623	11.3	1986	1,174.3	24,287,170	25.4
1955	1,103.6	1,830,437	15.0	1987	971.6	24,641,808	–17.3
1956	1,108.5	2,236,148	0.4	1988	1,190.1	25,077,395	22.5
1957	1,171.6	2,663,782	5.7	1989	1,277.5	25,543,698	7.3
1958	1,435.8	3,187,849	22.6	1990	858.6	25,857,094	–32.8
1959	1,441.1	3,713,850	0.4	1991	185.3	25,924,731	–78.4
1960	1,691.8	4,333,049	17.4	1992	1,057.2	26,311,666	470.5
1961	1,735.0	4,966,324	2.6	1993	1,881.8	26,998,523	78.0
1962	1,957.8	5,680,921	12.8	1994	2,006.6	27,730,932	6.6
1963	2,096.3	6,446,071	7.1	1995	2,006.6	28,463,341	–
1964	2,301.0	7,288,237	9.8	1996	2,005.6	29,197,391	–
1965	2,360.3	8,149,746	2.6	1997	2,007.1	29,929,982	0.1
1966	2,484.1	9,056,443	5.2	1998	2,051.5	30,678,780	2.2
1967	2,499.8	9,968,870	0.6	1999	1,872.7	31,362,315	–8.7
1968	2,613.5	10,925,411	4.5	2000	1,996.1	32,092,887	6.6
1969	2,773.4	11,937,702	6.1	2001	1,947.0	32,803,556	–2.5
1970	2,989.6	13,028,906	7.8	2002	1,745.9	33,440,809	–10.3
1971	3,196.7	14,195,701	6.9	2003	2,107.6	34,210,083	20.7
1972	3,283.0	15,397,279	2.7	2004	2,288.7	35,047,748	8.6
1973	3,020.4	16,499,725	–8.0	2005	2,573.4	35,987,039	12.4
1974	2,546.1	17,429,052	–15.7	2006	2,664.5	36,959,581	3.5
1975	2,084.2	18,189,785	–18.1	2007	2,574.5	37,899,274	–3.4
1976	2,145.4	18,975,000	2.9	2008	2,676.0	38,878,693	3.9
1977	1,969.0	19,693,684	–8.2				

Notes: Figures include share of production from Neutral Zone.

Table 38

Oil and gas data

SP Libyan AJ – cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1961	18.2	6,643	–	1985	997.7	14,803,707	1.3
1962	182.3	73,183	901.6	1986	1,308.0	15,281,127	31.1
1963	441.8	234,440	142.3	1987	972.5	15,636,091	–25.6
1964	862.4	550,078	95.2	1988	1,022.7	16,010,407	5.2
1965	1,218.8	994,940	41.3	1989	1,129.2	16,422,557	10.4
1966	1,501.1	1,542,841	23.2	1990	1,389.1	16,929,582	23.0
1967	1,740.5	2,178,124	15.9	1991	1,405.9	17,442,752	1.2
1968	2,602.1	3,130,493	49.5	1992	1,432.7	17,967,121	1.9
1969	3,109.1	4,265,314	19.5	1993	1,361.0	18,463,883	–5.0
1970	3,318.0	5,476,384	6.7	1994	1,389.8	18,971,170	2.1
1971	2,760.8	6,484,076	–16.8	1995	1,399.0	19,481,819	0.7
1972	2,239.4	7,303,696	–18.9	1996	1,394.0	19,992,025	–0.4
1973	2,174.9	8,097,535	–2.9	1997	1,395.8	20,501,479	0.1
1974	1,521.3	8,652,809	–30.1	1998	1,449.0	21,030,374	3.8
1975	1,479.8	9,192,936	–2.7	1999	1,287.2	21,500,196	–11.2
1976	1,932.6	9,900,269	30.6	2000	1,347.2	21,993,272	4.7
1977	2,063.4	10,653,397	6.8	2001	1,323.5	22,476,335	–1.8
1978	1,982.5	11,377,013	–3.9	2002	1,200.9	22,914,663	–9.3
1979	2,091.7	12,140,485	5.5	2003	1,431.9	23,437,307	19.2
1980	1,831.6	12,810,843	–12.4	2004	1,580.7	24,015,843	10.4
1981	1,217.8	13,255,340	–33.5	2005	1,693.2	24,633,861	7.1
1982	1,136.0	13,669,980	–6.7	2006	1,751.2	25,273,044	3.4
1983	1,121.1	14,079,167	–1.3	2007	1,673.9	25,884,017	–4.4
1984	984.6	14,439,530	–12.2	2008	1,721.5	26,514,080	2.8

Nigeria – cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1958	5.1	1,862	–	1984	1,388.0	10,343,631	12.3
1959	11.2	5,950	119.6	1985	1,498.9	10,890,729	8.0
1960	17.4	12,318	55.4	1986	1,466.6	11,426,038	–2.2
1961	46.0	29,108	164.4	1987	1,323.0	11,908,933	–9.8
1962	67.5	53,745	46.7	1988	1,341.3	12,399,867	1.4
1963	76.5	81,668	13.3	1989	1,716.3	13,026,316	28.0
1964	120.2	125,661	57.1	1990	1,726.7	13,656,562	0.6
1965	274.2	225,744	128.1	1991	1,893.1	14,347,544	9.6
1966	417.6	378,168	52.3	1992	1,957.0	15,063,806	3.4
1967	319.1	494,640	–23.6	1993	1,905.2	15,759,204	–2.6
1968	141.3	546,355	–55.7	1994	1,820.9	16,423,824	–4.4
1969	540.3	743,565	282.4	1995	1,842.6	17,096,371	1.2
1970	1,083.1	1,138,896	100.5	1996	1,863.1	17,778,253	1.1
1971	1,531.2	1,697,784	41.4	1997	1,876.7	18,463,264	0.7
1972	1,815.7	2,362,331	18.6	1998	1,939.0	19,171,015	3.3
1973	2,054.3	3,112,150	13.1	1999	1,781.5	19,821,263	–8.1
1974	2,255.0	3,935,225	9.8	2000	2,053.6	20,572,881	15.3
1975	1,783.2	4,586,093	–20.9	2001	2,017.6	21,309,305	–1.8
1976	2,066.8	5,342,537	15.9	2002	1,801.7	21,966,925	–10.7
1977	2,085.1	6,103,598	0.9	2003	2,166.3	22,757,640	20.2
1978	1,897.0	6,796,000	–9.0	2004	2,327.5	23,609,489	7.4
1979	2,302.0	7,636,228	21.3	2005	2,365.9	24,473,059	1.7
1980	2,058.0	8,389,456	–10.6	2006	2,233.9	25,288,426	–5.6
1981	1,439.6	8,914,910	–30.0	2007	2,059.3	26,040,057	–7.8
1982	1,287.0	9,384,665	–10.6	2008	2,017.4	26,778,413	–2.0
1983	1,235.5	9,835,623	–4.0				

Qatar — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1949	2.0	730	—	1979	508.1	3,026,842	4.4
1950	33.6	12,994	—	1980	471.4	3,199,374	-7.2
1951	49.3	30,989	46.7	1981	415.2	3,350,924	-11.9
1952	69.0	56,243	40.0	1982	332.0	3,472,104	-20.0
1953	85.0	87,268	23.2	1983	269.0	3,570,289	-19.0
1954	99.9	123,731	17.5	1984	325.3	3,689,348	20.9
1955	115.0	165,706	15.1	1985	289.3	3,794,957	-11.1
1956	123.9	211,053	7.7	1986	305.7	3,906,528	5.6
1957	138.5	261,606	11.8	1987	218.9	3,986,431	-28.4
1958	175.1	325,517	26.4	1988	228.0	4,069,875	4.1
1959	170.4	387,713	-2.7	1989	320.2	4,186,764	40.5
1960	174.6	451,617	2.5	1990	405.6	4,334,808	26.7
1961	177.2	516,295	1.5	1991	391.2	4,477,596	-3.6
1962	186.2	584,258	5.1	1992	423.2	4,632,487	8.2
1963	191.5	654,156	2.8	1993	390.3	4,774,946	-7.8
1964	215.3	732,955	12.4	1994	378.7	4,913,172	-3.0
1965	232.6	817,854	8.0	1995	389.8	5,055,460	2.9
1966	291.3	924,179	25.2	1996	393.1	5,199,318	0.8
1967	323.6	1,042,293	11.1	1997	405.0	5,347,148	3.0
1968	339.5	1,166,550	4.9	1998	618.1	5,572,755	52.6
1969	355.5	1,296,307	4.7	1999	608.5	5,794,857	-1.6
1970	362.4	1,428,583	1.9	2000	648.2	6,032,088	6.5
1971	430.7	1,585,789	18.8	2001	632.9	6,263,096	-2.4
1972	482.4	1,762,347	12.0	2002	568.9	6,470,726	-10.1
1973	570.3	1,970,507	18.2	2003	676.0	6,717,466	18.8
1974	518.4	2,159,723	-9.1	2004	755.3	6,993,909	11.7
1975	437.6	2,319,447	-15.6	2005	765.9	7,273,463	1.4
1976	497.3	2,501,464	13.6	2006	802.9	7,566,530	4.8
1977	444.6	2,663,744	-10.6	2007	845.3	7,875,064	5.3
1978	486.7	2,841,383	9.5	2008	842.8	8,183,527	-0.3

Table 38

Oil and gas data

Saudi Arabia — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1938	1.4	511	–	1974	8,479.7	23,094,166	11.6
1939	10.8	4,453	671.4	1975	7,075.4	25,676,687	–16.6
1940	13.9	9,540	28.7	1976	8,577.2	28,815,932	21.2
1941	11.8	13,847	–15.1	1977	9,199.9	32,173,898	7.3
1942	12.4	18,373	5.1	1978	8,301.1	35,203,793	–9.8
1943	13.3	23,228	7.3	1979	9,532.6	38,683,202	14.8
1944	21.3	31,024	60.2	1980	9,900.5	42,306,785	3.9
1945	58.4	52,340	174.2	1981	9,808.0	45,886,705	–0.9
1946	164.2	112,273	181.2	1982	6,483.0	48,253,000	–33.9
1947	246.2	202,136	49.9	1983	4,539.4	49,909,884	–30.0
1948	390.3	344,986	58.5	1984	4,079.1	51,402,828	–10.1
1949	476.7	518,981	22.1	1985	3,175.0	52,561,686	–22.2
1950	546.7	718,527	14.7	1986	4,784.2	54,307,919	50.7
1951	761.5	996,474	39.3	1987	3,975.2	55,758,849	–16.9
1952	824.8	1,298,351	8.3	1988	5,100.1	57,625,503	28.3
1953	844.6	1,606,630	2.4	1989	5,064.5	59,474,046	–0.7
1954	961.8	1,957,687	13.9	1990	6,412.5	61,814,608	26.6
1955	976.6	2,314,146	1.5	1991	8,117.8	64,777,605	26.6
1956	1002.8	2,681,171	2.7	1992	8,331.7	67,827,007	2.6
1957	1030.8	3,057,413	2.8	1993	8,047.7	70,764,418	–3.4
1958	1058.5	3,443,765	2.7	1994	8,049.0	73,702,303	–
1959	1152.7	3,864,501	8.9	1995	8,023.4	76,630,844	–0.3
1960	1,313.5	4,345,242	13.9	1996	8,102.3	79,596,286	1.0
1961	1,480.1	4,885,478	12.7	1997	8,011.7	82,520,556	–1.1
1962	1,642.9	5,485,137	11.0	1998	8,280.2	85,542,829	3.4
1963	1,786.0	6,137,027	8.7	1999	7,564.7	88,303,945	–8.6
1964	1,896.5	6,831,146	6.2	2000	8,094.5	91,266,532	7.0
1965	2,205.3	7,636,080	16.3	2001	7,888.9	94,145,980	–2.5
1966	2,601.8	8,585,737	18.0	2002	7,093.1	96,734,962	–10.1
1967	2,805.0	9,609,562	7.8	2003	8,410.3	99,804,721	18.6
1968	3,042.9	10,723,264	8.5	2004	8,897.0	103,061,023	5.8
1969	3,216.2	11,897,177	5.7	2005	9,353.3	106,474,978	5.1
1970	3,799.1	13,283,848	18.1	2006	9,207.9	109,835,861	–1.6
1971	4,768.9	15,024,497	25.5	2007	8,816.0	113,053,701	–4.3
1972	6,016.3	17,226,462	26.2	2008	9,198.0	116,420,169	4.3
1973	7,596.2	19,999,075	26.3				

Notes: Figures include share of production from Neutral Zone.

United Arab Emirates — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1962	14.2	5,183	–	1986	1,128.6	9,759,296	11.8
1963	48.2	22,776	239.4	1987	1,242.3	10,212,731	10.1
1964	186.8	91,145	287.6	1988	1,323.5	10,697,122	6.5
1965	282.2	194,148	51.1	1989	1,593.0	11,278,568	20.4
1966	360.0	325,548	27.6	1990	1,762.6	11,921,927	10.6
1967	382.1	465,014	6.1	1991	2,027.4	12,661,931	15.0
1968	496.6	646,770	30.0	1992	2,235.7	13,480,186	10.3
1969	627.8	875,917	26.4	1993	2,159.3	14,268,325	–3.4
1970	779.6	1,160,471	24.2	1994	2,166.5	15,059,110	0.3
1971	1,059.5	1,547,188	35.9	1995	2,148.0	15,843,130	–0.9
1972	1,202.7	1,987,377	13.5	1996	2,161.3	16,634,166	0.6
1973	1,532.6	2,546,776	27.4	1997	2,160.7	17,422,821	–
1974	1,678.6	3,159,465	9.5	1998	2,244.1	18,241,918	3.9
1975	1,663.8	3,766,752	–0.9	1999	2,048.8	18,989,730	–8.7
1976	1,936.4	4,475,475	16.4	2000	2,174.7	19,785,670	6.1
1977	1,998.7	5,205,004	3.2	2001	2,115.2	20,557,718	–2.7
1978	1,830.5	5,873,137	–8.4	2002	1,900.3	21,251,327	–10.2
1979	1,830.7	6,541,339	–	2003	2,248.0	22,071,847	18.3
1980	1,701.9	7,164,231	–7.0	2004	2,343.6	22,929,605	4.3
1981	1,502.3	7,712,570	–11.7	2005	2,378.0	23,797,575	1.5
1982	1,248.8	8,168,382	–16.9	2006	2,568.0	24,734,895	8.0
1983	1,149.0	8,587,775	–8.0	2007	2,529.0	25,657,980	–1.5
1984	1,069.0	8,979,037	–7.0	2008	2,572.2	26,599,405	1.7
1985	1,009.1	9,347,375	–5.6				

Table 38

Oil and gas data

Venezuela — cumulative crude oil production (1,000 b)

Year	Daily average	Cumulative	% change in daily av	Year	Daily average	Cumulative	% change in daily av
1917	0.3	110	–	1963	3,247.9	17,284,661	1.5
1918	0.9	438	200.0	1964	3,392.8	18,526,426	4.5
1919	0.8	730	–11.1	1965	3,472.9	19,794,034	2.4
1920	1.3	1,206	62.5	1966	3,371.1	21,024,486	–2.9
1921	4.0	2,666	207.7	1967	3,542.1	22,317,352	5.1
1922	6.1	4,892	52.5	1968	3,604.8	23,636,709	1.8
1923	11.9	9,236	95.1	1969	3,594.1	24,948,556	–0.3
1924	24.9	18,349	109.2	1970	3,708.0	26,301,976	3.2
1925	54.6	38,278	119.3	1971	3,549.1	27,597,397	–4.3
1926	97.7	73,939	78.9	1972	3,219.9	28,775,880	–9.3
1927	165.5	134,346	69.4	1973	3,366.0	30,004,470	4.5
1928	289.5	240,303	74.9	1974	2,976.3	31,090,820	–11.6
1929	372.8	376,375	28.8	1975	2,346.2	31,947,183	–21.2
1930	370.5	511,608	–0.6	1976	2,294.4	32,786,934	–2.2
1931	320.2	628,481	–13.6	1977	2,237.9	33,603,767	–2.5
1932	319.0	745,235	–0.4	1978	2,165.5	34,394,184	–3.2
1933	323.8	863,422	1.5	1979	2,356.4	35,254,273	8.8
1934	373.4	999,713	15.3	1980	2,165.0	36,046,663	–8.1
1935	406.9	1,148,231	9.0	1981	2,108.3	36,816,192	–2.6
1936	422.5	1,302,866	3.8	1982	1,895.0	37,507,867	–10.1
1937	508.9	1,488,615	20.4	1983	1,800.8	38,165,159	–5.0
1938	515.2	1,676,663	1.2	1984	1,695.5	38,785,712	–5.8
1939	560.4	1,881,209	8.8	1985	1,564.0	39,356,572	–7.8
1940	502.3	2,065,051	–10.4	1986	1,648.5	39,958,275	5.4
1941	621.3	2,291,825	23.7	1987	1,575.5	40,533,332	–4.4
1942	405.9	2,439,979	–34.7	1988	1,578.1	41,110,930	0.2
1943	491.5	2,619,376	21.1	1989	1,747.4	41,748,731	10.7
1944	702.3	2,876,418	42.9	1990	2,135.2	42,528,079	22.2
1945	886.0	3,199,808	26.2	1991	2,286.2	43,362,542	7.1
1946	1,064.3	3,588,277	20.1	1992	2,345.6	44,221,032	2.6
1947	1,191.5	4,023,175	12.0	1993	2,326.0	45,070,022	–0.8
1948	1,338.8	4,513,176	12.4	1994	2,367.9	45,934,305	1.8
1949	1,321.4	4,995,487	–1.3	1995	2,378.5	46,802,458	0.4
1950	1,498.0	5,542,257	13.4	1996	2,381.0	47,673,904	0.1
1951	1,704.6	6,164,436	13.8	1997	2,411.0	48,553,919	1.3
1952	1,803.9	6,824,663	5.8	1998	3,120.0	49,692,719	29.4
1953	1,765.0	7,468,888	–2.2	1999	2,800.4	50,714,865	–10.2
1954	1,895.3	8,160,673	7.4	2000	2,891.0	51,772,971	3.2
1955	2,157.2	8,948,051	13.8	2001	2,791.9	52,792,016	–3.4
1956	2,456.8	9,847,239	13.9	2002	2,782.0	53,807,446	–0.4
1957	2,779.2	10,861,647	13.1	2003	2,643.0	54,772,141	–5.0
1958	2,604.8	11,812,399	–6.3	2004	3,009.4	55,873,581	13.9
1959	2,771.0	12,823,814	6.4	2005	3,066.8	56,992,963	1.9
1960	2,846.1	13,865,487	2.7	2006	3,035.6	58,100,957	–1.0
1961	2,919.9	14,931,250	2.6	2007	2,949.5	59,177,525	–2.8
1962	3,199.8	16,099,177	9.6	2008	3,118.5	60,318,881	5.7

Table 39

Oil and gas data

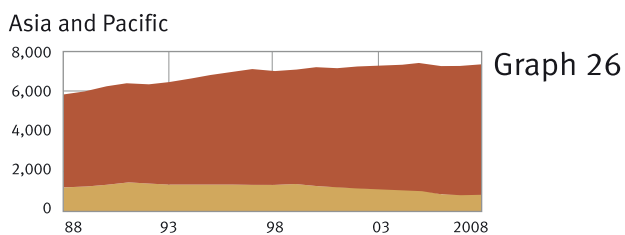
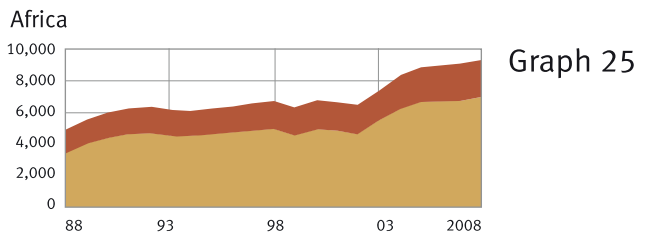
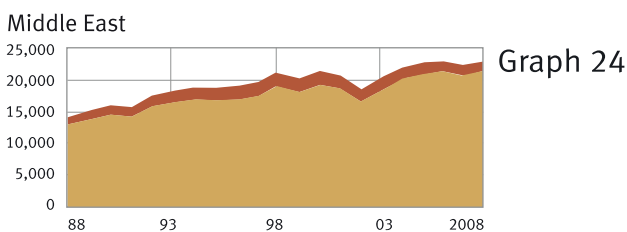
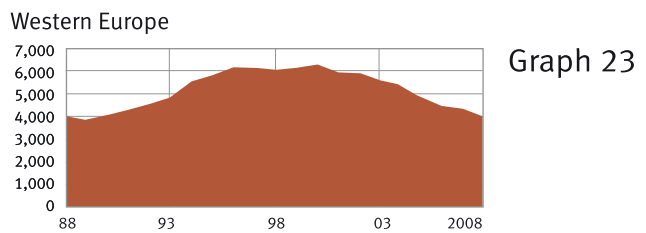
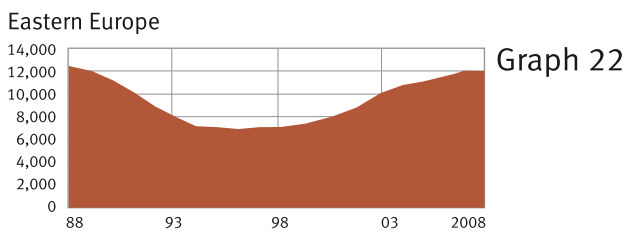
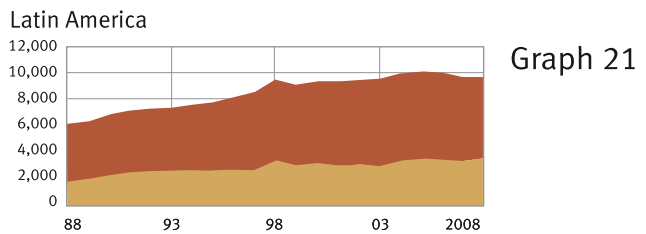
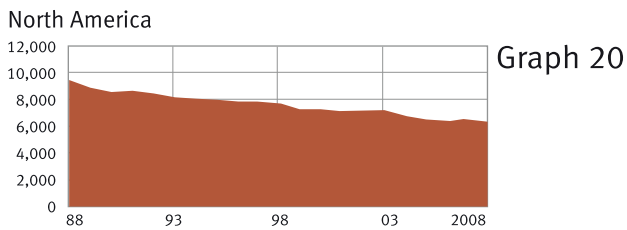
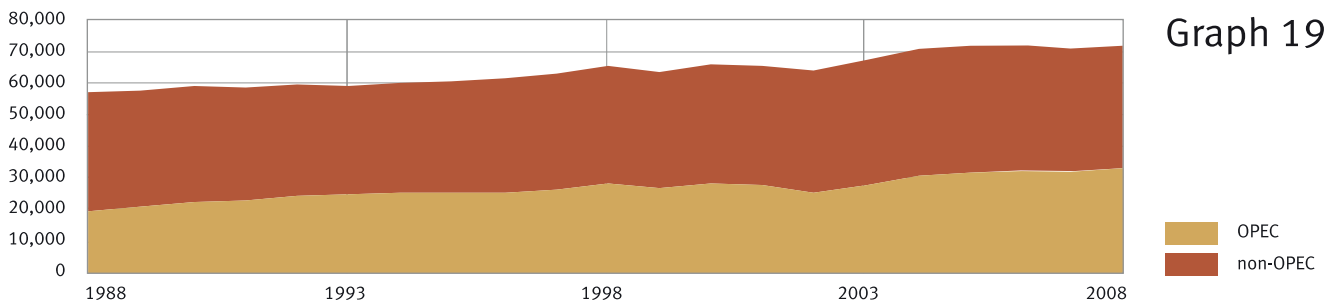
World crude oil production by country, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
North America	6,823.9	6,538.3	6,447.8	6,489.5	6,303.5	-2.9
Canada	1,405.2	1,360.0	1,345.7	1,388.4	1,348.7	-2.9
United States	5,418.7	5,178.4	5,102.1	5,101.1	4,954.8	-2.9
Latin America	9,961.8	10,130.3	10,077.8	9,795.6	9,811.1	0.2
Argentina	694.7	664.6	657.7	641.5	641.6	-
Brazil	1,477.4	1,633.6	1,722.7	1,748.0	1,812.1	3.7
Chile	4.0	4.0	3.0	2.0	2.0	-
Colombia	531.3	525.8	531.0	529.5	589.2	11.3
Ecuador	507.3	511.9	518.4	511.4	501.4	-2.0
Mexico	3,383.0	3,333.6	3,255.7	3,081.7	2,798.5	-9.2
Peru	94.1	111.3	77.6	77.0	89.3	15.9
Trinidad & Tobago	122.1	145.0	144.9	120.5	114.7	-4.8
Venezuela	3,009.4	3,066.8	3,035.6	2,949.5	3,118.5	5.7
Others	138.5	133.9	131.2	134.4	143.9	7.1
Eastern Europe	10,745.7	11,083.2	11,532.4	11,996.7	12,028.9	0.3
Albania	7.0	7.0	7.0	7.0	7.0	-
Hungary	22.0	19.0	17.8	16.6	16.0	-3.8
Romania	112.1	106.2	98.3	93.2	78.1	-16.2
Former USSR	10,580.2	10,927.5	11,388.0	11,860.6	11,906.8	0.4
Others	24.4	23.4	21.3	19.3	21.1	9.2
Western Europe	5,374.9	4,905.1	4,501.5	4,319.9	4,037.9	-6.5
Denmark	389.2	377.1	342.0	304.6	279.8	-8.1
France	22.9	21.6	21.4	19.6	19.6	0.1
Germany	68.2	68.4	66.7	66.3	58.6	-11.6
Italy	102.2	114.5	110.2	107.7	99.5	-7.6
Netherlands	40.8	29.0	26.2	40.2	33.6	-16.4
Norway	2,797.4	2,552.7	2,353.6	2,210.5	2,107.5	-4.7
Turkey	43.2	43.5	41.6	41.9	41.6	-0.8
United Kingdom	1,851.3	1,644.2	1,486.4	1,477.4	1,350.4	-8.6
Former Yugoslavia	35.0	32.2	32.4	30.8	26.7	-13.5
Others	24.8	21.6	21.0	20.8	20.6	-1.0
Middle East	21,981.5	22,722.0	22,900.8	22,362.0	23,125.5	3.4
Bahrain	187.1	186.5	183.3	184.7	184.5	-0.1
IR Iran	3,834.2	4,091.5	4,072.6	4,030.7	4,055.7	0.6
Iraq	2,107.1	1,853.2	1,957.2	2,035.2	2,280.5	12.1
Kuwait ¹	2,288.7	2,573.4	2,664.5	2,574.5	2,676.0	3.9
Oman	719.7	714.8	687.1	646.4	664.4	2.8
Qatar	755.3	765.9	802.9	845.3	842.8	-0.3
Saudi Arabia ¹	8,897.0	9,353.3	9,207.9	8,816.0	9,198.0	4.3
Syrian Arab Republic	455.0	415.8	400.0	380.0	363.5	-4.3
United Arab Emirates	2,343.6	2,378.0	2,568.0	2,529.0	2,572.2	1.7
Yemen	393.8	389.6	357.3	320.2	287.9	-10.1
Africa	8,276.9	8,815.7	8,958.4	9,103.7	9,323.7	2.4
Algeria	1,311.4	1,352.0	1,368.8	1,371.6	1,356.0	-1.1
Angola	1,020.3	1,241.4	1,384.6	1,694.6	1,896.3	11.9
Cameroon	70.0	82.3	87.5	82.2	80.0	-2.6
Congo	237.6	241.1	247.2	243.1	259.7	6.8
Egypt	594.6	578.9	533.1	516.4	516.8	0.1
Gabon	252.5	253.5	250.0	250.1	243.8	-2.5
SP Libyan AJ	1,580.7	1,693.2	1,751.2	1,673.9	1,721.5	2.8
Nigeria	2,327.5	2,365.9	2,233.9	2,059.3	2,017.4	-2.0
Tunisia	69.3	69.6	67.2	90.6	90.0	-0.6
Others	813.0	937.8	1,034.9	1,122.1	1,142.2	1.8
Asia and Pacific	7,347.1	7,445.9	7,310.7	7,319.5	7,397.7	1.1
Australia	440.2	443.7	424.1	448.7	463.7	3.4
Brunei	189.7	187.8	198.1	172.9	157.5	-8.9
China	3,485.0	3,617.2	3,673.5	3,736.0	3,802.1	1.8
India	682.6	652.1	675.6	684.1	682.0	-0.3
Indonesia	1,094.4	1,059.3	883.0	837.6	856.7	2.3
Malaysia	762.4	726.9	704.0	695.3	694.2	-0.1
New Zealand	20.2	18.5	18.2	41.7	60.1	44.3
Others	672.6	740.5	734.2	703.3	681.4	-3.1
Total world	70,511.7	71,640.5	71,729.3	71,386.9	72,028.3	0.9
OPEC	31,076.8	32,305.7	32,448.6	31,928.6	33,093.0	3.6
OPEC percentage	44.1	45.1	45.2	44.7	45.9	2.7

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

1. Figures include share of production from Neutral Zone.

World crude oil production, 1988–2008 (1,000 b/d)



Natural gas production in OPEC Members, 2004–2008 (million standard cu m)

	2004	2005	2006	2007	2008*	% change 08/07
Algeria						
Gross production	183,878	193,101	194,782	198,182	201,186	1.5
Marketed production	82,009	89,235	88,209	84,827	86,505	2.0
Flaring	3,624	2,996	3,340	4,675	4,953	5.9
Reinjection	82,928	86,563	90,216	93,045	92,918	-0.1
Shrinkage	15,317	14,307	13,017	15,635	16,810	7.5
Angola						
Gross production	7,800	8,500	9,400	10,810	10,050	-7.0
Marketed production	750	650	680	830	680	-18.1
Flaring	6,200	6,500	6,500	7,300	6,920	-5.2
Reinjection	800	1,200	2,070	2,500	2,300	-8.0
Shrinkage	50	150	150	180	150	-16.7
Ecuador						
Gross production	1,250	1,240	1,250	1,240	1,250	0.8
Marketed production	240	260	280	275	260	-5.5
Flaring	780	780	770	770	770	0.0
Reinjection	230	200	200	195	220	12.8
Shrinkage	-	-	-	-	-	-
Indonesia						
Gross production	85,073	84,547	83,662	79,455	81,800	3.0
Marketed production	72,800	68,700	69,300	68,261	70,000	2.5
Flaring	3,821	3,657	3,167	2,765	2,750	-0.5
Reinjection	1,325	1,600	1,101	370	450	21.6
Shrinkage	7,127	10,590	10,094	8,059	8,600	6.7
IR Iran						
Gross production	149,141	161,500	167,800	174,200	180,423	3.6
Marketed production	89,663	103,500	108,600	111,900	116,300	3.9
Flaring	13,070	12,000	15,830	15,695	16,811	7.1
Reinjection	29,298	30,500	26,663	28,479	27,412	-3.7
Shrinkage	17,110	15,500	16,707	18,126	19,900	9.8
Iraq						
Gross production	10,500	11,350	11,900	13,596	14,781	8.7
Marketed production	1,000	1,450	1,450	1,460	1,880	28.8
Flaring	8,000	7,900	6,600	6,621	6,005	-9.3
Reinjection	500	800	800	763	900	17.9
Shrinkage	1,000	1,200	3,050	4,752	5,996	26.2
Kuwait						
Gross production	11,861	13,300	13,670	13,310	13,870	4.2
Marketed production	10,900	12,300	12,410	12,060	12,700	5.3
Flaring	250	1	260	250	200	-20.0
Reinjection	-	-	-	-	-	-
Shrinkage	711	1,000	1,000	1,000	970	-3.0
SP Libyan AJ						
Gross production	16,560	21,845	27,064	29,219	30,310	3.7
Marketed production	8,060	11,300	13,195	15,280	15,900	4.1
Flaring	900	2,584	2,980	2,909	3,940	35.4
Reinjection	6,700	3,544	3,634	3,366	3,526	4.8
Shrinkage	900	4,417	7,255	7,664	6,944	-9.4
Nigeria						
Gross production	59,761	58,350	61,800	68,400	72,638	6.2
Marketed production	22,388	22,400	28,500	32,500	32,825	1.0
Flaring	24,119	23,000	22,300	22,300	19,073	-14.5
Reinjection	11,277	11,000	9,000	10,000	14,423	44.2
Shrinkage	1,977	1,950	2,000	3,600	6,317	75.5
Qatar						
Gross production	48,470	57,600	64,200	77,200	90,887	17.7
Marketed production	39,170	45,800	50,700	63,200	76,981	21.8
Flaring	300	3,900	4,100	4,200	3,597	-14.4
Reinjection	3,600	2,000	3,400	3,500	4,758	35.9
Shrinkage	5,400	5,900	6,000	6,300	5,551	-11.9
Saudi Arabia						
Gross production	76,460	81,350	85,001	83,280	86,400	3.7
Marketed production	65,680	71,240	73,461	74,420	80,440	8.1
Flaring	220	200	70	200	-	-
Reinjection	470	160	217	100	160	60.0
Shrinkage	10,090	9,750	11,253	8,560	5,800	-32.2
United Arab Emirates						
Gross production	68,030	70,470	76,194	78,963	80,055	1.4
Marketed production	46,290	47,790	48,790	50,290	50,240	-0.1
Flaring	920	910	950	970	980	1.0
Reinjection	15,800	16,500	20,984	22,033	23,135	5.0
Shrinkage	5,020	5,270	5,470	5,670	5,700	0.5
Venezuela						
Gross production	68,295	73,348	73,471	71,622	71,978	0.5
Marketed production	23,900	23,444	20,340	20,729	20,750	0.1
Flaring	5,436	7,077	5,182	7,184	9,173	27.7
Reinjection	29,629	30,375	32,318	30,974	30,200	-2.5
Shrinkage	9,330	12,452	15,631	12,735	11,855	-6.9
OPEC						
Gross production	787,079	836,501	870,194	899,477	935,628	4.0
Marketed production	462,850	498,069	515,915	536,032	565,461	5.5
Flaring	67,640	71,505	72,049	75,839	75,172	-0.9
Reinjection	182,557	184,442	190,603	195,325	200,402	2.6
Shrinkage	74,032	82,486	91,627	92,281	94,593	2.5

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 41

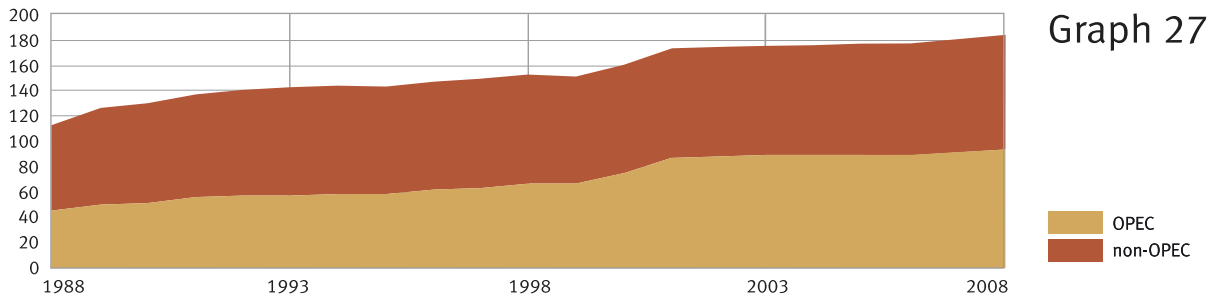
Oil and gas data

World marketed production of natural gas by country, 2004–2008 (*million standard cu m*)

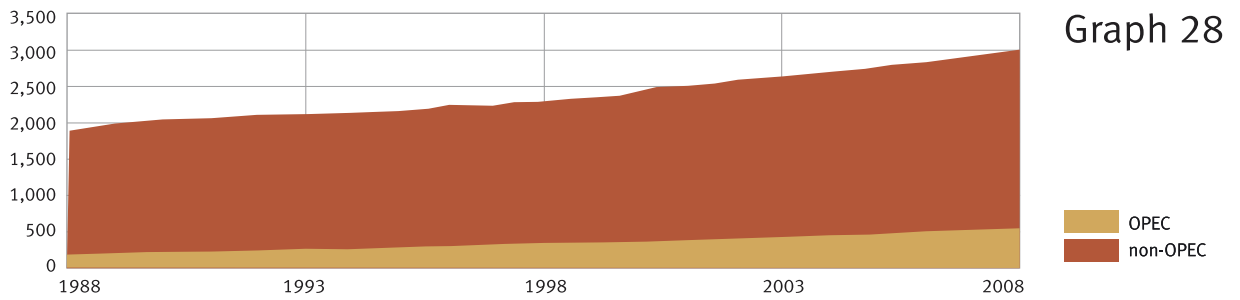
	2004	2005	2006	2007	2008*	% change 08/07
North America	710,100	696,970	708,745	719,550	749,100	4.1
Canada	183,600	185,770	185,500	179,350	166,900	-6.9
United States	526,500	511,200	523,245	540,200	582,200	7.8
Latin America	164,860	173,004	180,400	187,474	194,230	3.6
Argentina	44,900	45,600	46,100	44,800	44,060	-1.7
Bolivia	10,100	12,400	13,000	14,090	14,200	0.8
Brazil	9,700	9,800	9,900	9,830	12,620	28.4
Chile	1,960	2,050	1,960	1,750	1,650	-5.7
Colombia	6,400	6,800	7,300	7,640	9,000	17.8
Ecuador	240	260	280	275	260	-5.5
Mexico	37,400	39,200	42,900	46,290	48,600	5.0
Trinidad & Tobago	29,000	31,470	36,440	39,000	39,300	0.8
Venezuela	23,900	23,444	20,340	20,729	20,750	0.1
Others	1,260	1,980	2,180	3,070	3,790	23.5
Eastern Europe	771,248	784,870	804,430	814,780	832,790	2.2
Hungary	2,730	2,800	3,000	2,600	2,610	0.4
Poland	4,400	4,300	4,300	4,300	4,100	-4.7
Romania	12,600	12,400	12,100	11,600	10,700	-7.8
Former USSR	750,788	764,640	784,300	795,550	814,650	2.4
Others	730	730	730	730	730	-
Western Europe	302,240	293,640	282,600	269,590	282,750	4.9
Denmark	9,450	10,400	10,400	9,200	10,090	9.7
Germany	18,300	16,600	16,600	15,100	13,800	-8.6
Italy	12,980	12,100	10,800	9,710	9,140	-5.9
Netherlands	77,500	72,800	70,700	68,300	75,800	11.0
Norway	81,000	87,000	87,600	89,700	99,200	10.6
United Kingdom	95,970	87,800	79,800	72,300	69,900	-3.3
Others	7,040	6,940	6,700	5,280	4,820	-8.7
Middle East	289,193	319,970	337,601	356,670	382,511	7.2
Bahrain	9,800	10,700	11,100	11,800	12,640	7.1
IR Iran	89,663	103,500	108,600	111,900	116,300	3.9
Iraq	1,000	1,450	1,450	1,460	1,880	28.8
Kuwait	10,900	12,300	12,410	12,060	12,700	5.3
Oman	18,500	19,800	23,700	24,050	24,000	-0.2
Qatar	39,170	45,800	50,700	63,200	76,981	21.8
Saudi Arabia	65,680	71,240	73,461	74,420	80,440	8.1
Syrian Arab Republic	7,100	6,100	6,100	6,200	6,040	-2.6
United Arab Emirates	46,290	47,790	48,790	50,290	50,240	-0.1
Others	1,090	1,290	1,290	1,290	1,290	-
Africa	153,597	175,625	186,094	192,767	202,110	4.8
Algeria	82,009	89,235	88,209	84,827	86,505	2.0
Angola	750	650	680	830	680	-18.1
Egypt	32,400	42,500	45,200	46,500	48,300	3.9
SP Libyan AJ	8,060	11,300	13,195	15,280	15,900	4.1
Nigeria	22,388	22,400	28,500	32,500	32,825	1.0
Equatorial Guinea	1,300	1,300	1,300	2,920	6,670	128.4
Others	6,690	8,240	9,010	9,910	11,230	13.3
Asia and Pacific	340,040	362,810	378,850	389,501	410,580	5.4
Australia	37,080	42,140	43,600	43,700	47,500	8.7
Bangladesh	13,100	14,000	15,300	16,270	17,900	10.0
Brunei	12,200	13,000	13,800	13,450	13,400	-0.4
China	40,980	49,950	58,600	67,900	76,100	12.1
India	28,200	29,900	31,200	31,400	32,200	2.5
Indonesia	72,800	68,700	69,300	68,261	70,000	2.5
Malaysia	53,800	55,700	55,860	55,500	57,300	3.2
Myanmar	10,200	12,200	12,600	13,520	12,400	-8.3
New Zealand	4,220	3,920	4,000	4,100	3,900	-4.9
Pakistan	34,460	35,500	36,120	36,460	37,500	2.9
Thailand	22,400	23,700	24,300	26,000	28,760	10.6
Others	10,600	14,100	14,170	12,940	13,620	5.3
Total world	2,731,278	2,806,888	2,878,720	2,930,332	3,054,071	4.2
OPEC	462,850	498,069	515,915	536,032	565,461	5.5
<i>OPEC percentage</i>	<i>16.9</i>	<i>17.7</i>	<i>17.9</i>	<i>18.3</i>	<i>18.5</i>	

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

World proven natural gas reserves, 1988–2008 (trillion cu m)



World marketed natural gas production, 1988–2008 (bn cu m)



World natural gas reserves to production ratios (gross production minus re-injection) (years)

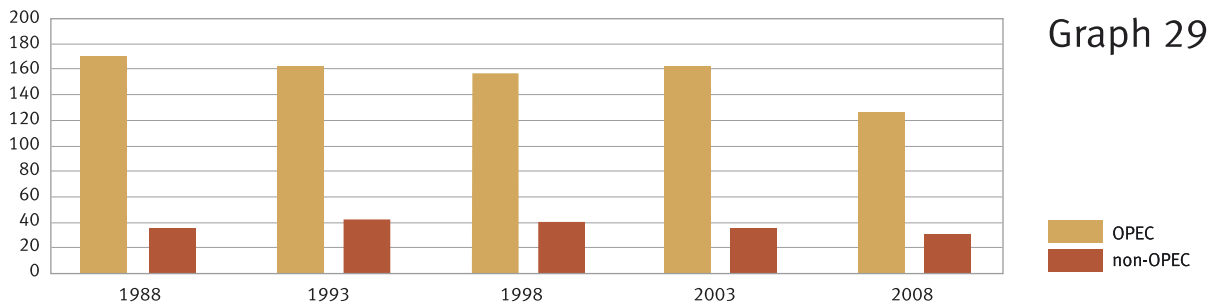


Table 42

Oil and gas data

Crude oil production by companies in OPEC Members, 2004–2008 (1,000 b/d)

Algeria	2004	2005	2006*	2007*	2008*	% change 08/07
Sonatrach	1,299.1	1,274.3	1,292.0	1,293.7	1,285.1	-0.7
Total Algérie	12.3	12.7	12.9	12.9	12.9	na
Medaloil	na	na	na	na	na	na
Hispanoil	na	na	na	na	na	na
Braspetro	na	na	na	na	na	na
Anadarko	na	65.0	64.0	65.0	58.0	na
Total	1,311.4	1,352.0	1,368.8	1,371.6	1,356.0	-1.1

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.

Angola	2004	2005	2006*	2007*	2008*	% change 08/07
Sonangol	403.2	494.8	551.9	675.4	778.2	na
Chevron	132.2	161.0	179.5	246.2	283.6	na
Elf	240.9	288.5	321.8	368.0	368.0	na
Texaco	123.3	150.2	167.5	205.0	236.2	na
Others	120.7	147.0	163.9	199.9	230.4	na
Total	1,020.3	1,241.4	1,384.6	1,694.6	1,896.3	11.9

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.

Ecuador	2004	2005	2006*	2007*	2008*	% change 08/07
Petroproducción	317.1	320.0	324.2	257.5	264.0	2.5
Others	190.2	191.9	194.2	253.9	237.4	-6.5
Total	507.3	511.9	518.4	511.4	501.4	-2.0

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.

Indonesia	2004	2005	2006*	2007*	2008*	% change 08/07
Pertamina	48.5	48.8	41.0	38.9	39.8	na
PT Stanvac	na	na	na	na	na	na
Calasiatic/Topco	na	na	na	na	na	na
Production sharing:	1,015.8	1,010.5	842.0	798.7	816.9	na
PT Caltex	506.1	495.8	413.1	425.5	435.2	na
Inpex	na	na	na	na	na	na
Arri	na	na	na	na	na	na
ARCO	na	na	na	na	na	na
Hudbay Oil	na	na	na	na	na	na
Total Indonésie	82.0	88.0	73.3	88.5	90.5	na
Calasiatic/Topco	na	na	na	na	na	na
Unocal	55.8	53.8	44.8	na	na	na
Petromer Trend	na	na	na	na	na	na
Conoco Phillips	44.2	60.7	50.6	54.6	55.8	na
Maxus SES	na	na	na	na	na	na
Asamera North, South	na	na	na	na	na	na
Exxon Mobil	21.3	14.0	12.0	8.7	8.9	na
CNOOC	81.7	65.0	54.0	51.1	52.3	na
Tesoro	na	na	na	na	na	na

Crude oil production by companies in OPEC Members, 2004–2008 (1,000 b/d)

Indonesia (cont'd)	2004	2005	2006*	2007*	2008*	% change 08/07
Marathon	na	na	na	na	na	na
CSR	na	na	na	na	na	na
Hufco	na	na	na	na	na	na
Kodeco Energy	14.3	11.1	9.2	9.1	9.3	na
Vico	29.2	20.1	16.7	15.6	16.0	na
PTSI	na	na	na	na	na	na
Lasmo	na	na	na	na	na	na
PT Stanvac (Rimau)	na	na	na	na	na	na
Others	211.3	202.0	168.1	145.6	148.9	na
Total	1,094.4	1,059.3	883.0	837.6	856.7	2.3

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.
Revisions have been made throughout the time series.

IR Iran	2004	2005	2006*	2007*	2008*	% change 08/07
NIOC	3,834.2	4,091.5	4,072.6	4,030.7	4,055.7	na
Total	3,834.2	4,091.5	4,072.6	4,030.7	4,055.7	0.6

Iraq	2004	2005	2006*	2007*	2008*	% change 08/07
INOC	2,107.1	1,853.2	1,957.2	2,035.2	2,280.5	na
Total	2,107.1	1,853.2	1,957.2	2,035.2	2,280.5	12.1

Kuwait	2004	2005	2006*	2007*	2008*	% change 08/07
KOC	2,067.8	2,573.4	2,664.5	2,574.5	2,676.0	na
AOC	na	na	na	na	na	na
Total	2,288.7	2,573.4	2,664.5	2,574.5	2,676.0	3.9

SP Libyan AJ	2004	2005	2006*	2007*	2008*	% change 08/07
Ageco/NOC	461.0	493.8	510.7	488.1	512.5	na
Oasis/NOC	493.7	528.9	547.0	522.8	533.1	na
Occidental/OMV/NOC	26.3	28.2	29.2	27.9	28.4	na
Agip	236.9	253.8	262.5	250.9	255.8	na
Esso Standard/NOC	na	na	na	na	na	na
Mobil/NOC	na	na	na	na	na	na
UMM Jawaby/ Sirte/NOC	79.0	84.6	87.5	83.6	85.3	na
Aquitaine/NOC	na	na	na	na	na	na
Wintershall	105.3	112.8	116.7	111.5	113.7	na
NOC, Others	178.5	191.2	197.7	189.0	192.7	na
Total	1,580.7	1,693.2	1,751.2	1,673.9	1,721.5	2.8

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.
Revisions have been made throughout the time series.

Table 42

Oil and gas data

Crude oil production by companies in OPEC Members, 2004–2008 (1,000 b/d)

Nigeria	2004	2005	2006*	2007*	2008*	% change 08/07
Shell/NNPC	1,073.3	1,091.0	1,030.1	949.6	930.3	na
Gulf/NNPC	462.4	470.0	443.8	409.1	400.8	na
Mobil/NNPC	344.8	350.5	330.9	305.1	298.9	na
Agip/NNPC	179.2	182.2	172.0	158.6	155.3	na
Elf/NNPC	152.8	155.3	146.6	135.2	132.4	na
Texaco/NNPC	65.3	66.3	62.6	57.7	56.6	na
Pan Ocean	4.1	4.2	3.9	3.6	3.6	na
Tenneco	na	na	na	na	na	na
Phillips	na	na	na	na	na	na
Others	23.2	23.6	22.3	20.6	20.1	na
Production sharing	na	na	na	na	na	na
Ashland	22.4	22.7	21.5	19.8	19.4	na
Total	2,327.5	2,365.9	2,233.9	2,059.3	2,017.4	-2.0

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.
Revisions have been made throughout the time series.

Qatar	2004	2005	2006*	2007*	2008*	% change 08/07
QGPC						
Offshore	507.1	514.2	539.0	567.5	559.8	-1.4
Onshore	248.2	251.7	263.9	277.8	283.0	1.9
Total	755.3	765.9	802.9	845.3	842.8	-0.3

Saudi Arabia	2004	2005	2006*	2007*	2008*	% change 08/07
Aramco	8,572.4	9,100.0	8,960.0	8,520.5	8,889.7	na
AOC	na	na	na	na	na	na
Getty Oil Company	na	na	na	na	na	na
Total	8,897.0	9,353.3	9,207.9	8,816.0	9,198.0	4.3

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.
Revisions have been made throughout the time series.

United Arab Emirates	2004	2005	2006*	2007*	2008*	% change 08/07
Abu Dhabi:						
ADCO	1,211.2	1,239.0	1,353.0	1,340.0	1,362.9	na
ADMA	551.8	564.8	614.9	608.0	618.4	na
Total	34.9	36.4	39.3	38.7	39.4	na
ADOC	27.4	28.8	31.1	30.6	31.2	na
Amerada Hess	12.1	12.3	13.2	13.0	13.3	na
Zadco	383.3	392.9	426.8	420.1	427.3	na
Dubai:						
DPC	122.9	103.8	89.7	78.5	79.8	na
Sharjah:						
Buttes	na	na	na	na	na	na
Total	2,343.6	2,378.0	2,568.0	2,529.0	2,572.2	1.7

Notes: Sum of individual figures may not equal totals due to unavailability of data for some companies.
Revisions have been made throughout the time series.

Venezuela	2004	2005	2006*	2007*	2008*	% change 08/07
Lagoven	na	na	na	na	na	na
Maraven	na	na	na	na	na	na
Meneven	na	na	na	na	na	na
Corpoven	na	na	na	na	na	na
PDVSA	3,009.4	3,066.8	3,035.6	2,949.5	3,118.5	na
Total	3,009.4	3,066.8	3,035.6	2,949.5	3,118.5	5.7

Parent companies' percentage equity in companies holding producing rights in OPEC Members, 2008

	BP	Total	Exxon	Mobil	Shell	Chevron	Texaco	Govt or NOC	Others
Algeria									
Sonatrach	-	-	-	-	-	-	-	100.00	-
Total Algérie	-	85.00	-	-	-	-	-	15.00	-
Medaloil	-	-	-	-	-	-	-	51.00	49.00
Hispanoil	-	-	-	-	-	-	-	51.00	49.00
Braspetro	-	-	-	-	-	-	-	51.00	49.00
Angola									
Sonangol	-	-	-	-	-	-	-	100.00	-
Chevron	-	10.00	-	-	-	39.00	-	41.00	10.00
Elf	-	27.50	-	-	-	-	20.00	25.00	27.50
Texaco	-	32.60	-	-	-	-	16.40	51.00	-
Ecuador									
Petroecuador-Texaco	-	-	-	-	-	-	37.50	62.50	-
Indonesia									
Pertamina	-	-	-	-	-	-	-	100.00	-
PT Stanvac	-	-	50.00	50.00	-	-	-	-	-
Calasiatic/Topco	-	-	-	-	-	50.00	50.00	-	-
Production sharing									
PT Caltex	-	-	-	-	-	50.00	50.00	-	-
Inpex	-	-	-	-	-	-	-	-	100.00
ARCO	-	-	-	-	-	-	-	-	100.00
Total Indonésie	-	100.00	-	-	-	-	-	-	-
Hudbay Oil	-	-	-	-	-	-	-	-	100.00
Mobil	-	-	-	100.00	-	-	-	-	-
Unocal	-	-	-	-	-	-	-	-	100.00
Petromer Trend	-	-	-	-	-	-	-	-	100.00
Maxus	-	-	-	-	-	-	-	-	100.00
Conoco	-	-	-	-	-	-	-	-	100.00
Tesoro	-	-	-	-	-	-	-	-	100.00
Asamera	-	-	-	-	-	-	-	-	100.00
Marathon	-	-	-	-	-	-	-	-	100.00
IR Iran									
NIOC	-	-	-	-	-	-	-	100.00	-
Iraq									
INOC	-	-	-	-	-	-	-	100.00	-
Kuwait									
KOC	-	-	-	-	-	-	-	100.00	-
AOC	-	-	-	-	-	-	-	20.00	80.00
SP Libyan AJ									
Oasis/NOC	-	-	-	-	-	-	-	59.17	40.83
Occidental/OMV//NOC	-	-	-	-	-	-	-	51.00	49.00
Agip/NOC	-	-	-	-	-	-	-	50.00	50.00
Umm Jawaby/Sirte/NOC	-	-	-	-	-	-	-	100.00	-
Aquitaine/NOC	-	-	-	-	-	-	-	85.00	15.00
Wintershall	-	-	-	-	-	-	-	-	100.00
Glesenberg	-	-	-	-	-	-	-	82.90	17.10
Grace Petroleum/Sirte	-	-	-	-	-	-	-	88.00	12.00
Occidental/OMV/NOC	-	-	-	-	-	-	-	81.00	19.00
Nigeria									
Shell/NNPC	-	-	-	-	30.00	-	-	60.00	10.00
Chevron/NNPC	-	-	-	-	-	40.00	-	60.00	-
Mobil/NNPC	-	-	-	40.00	-	-	-	60.00	-
Agip/Phillips/NNPC	-	-	-	-	-	-	-	60.00	40.00
Elf/NNPC	-	-	-	-	-	-	-	60.00	40.00
Texaco/NNPC	-	-	-	-	-	20.00	20.00	60.00	-
Pan Ocean	-	-	-	-	-	-	-	60.00	40.00
Tenneco	-	-	-	-	-	-	-	80.00	20.00
Phillips	-	-	-	-	-	-	-	60.00	40.00
Production sharing									
Ashland	-	-	-	-	-	-	-	50.00	50.00
Qatar									
QGPC	-	-	-	-	-	-	-	100.00	-
Saudi Arabia									
Aramco	-	-	-	-	-	-	-	100.00	-
AOC	-	-	-	-	-	-	-	20.00	80.00
Getty Oil Company	-	-	-	-	-	-	-	-	100.00
United Arab Emirates									
ADCO	9.50	9.50	4.75	4.75	9.50	-	-	60.00	2.00
ADMA	14.67	13.33	-	-	-	-	-	60.00	12.00
Total	-	65.70	-	-	-	-	-	-	34.30
ADOC	-	-	-	-	-	-	-	-	100.00
Amerada Hess	-	-	-	-	-	-	-	-	100.00
DPC	-	-	-	-	-	-	-	-	100.00
Buttes	-	-	-	-	-	-	-	-	100.00
Zadco	-	-	-	-	-	-	-	88.00	12.00
Venezuela									
PDVSA	-	-	-	-	-	-	-	100.00	-

Table 44

Oil and gas data

Parent companies' estimated gross share of crude oil production in OPEC Members, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007*	2008*
Algeria	1,311	1,352	1,369	1,372	1,356
Total Algérie	12	13	13	13	13
Government or NOC	1,299	1,274	1,292	1,294	1,285
Others	–	65	64	65	58
Angola	1,020	1,241	1,385	1,695	1,896
Sonangol	403	495	552	675	778
Chevron	132	161	180	246	284
Elf	241	288	322	368	368
Texaco	123	150	168	205	236
Others	121	147	164	200	230
Ecuador	507	512	518	511	501
Government or NOC	317	320	324	258	264
Others	190	192	194	254	237
Indonesia	1,094	1,059	883	838	857
Total Indonésie	82	88	73	89	91
Exxon	21	14	12	9	9
Mobil	–	–	–	–	–
Chevron	253	248	207	213	218
Texaco	253	248	207	213	218
Government or NOC	49	49	41	39	40
Others	436	412	344	275	282
IR Iran	3,834	4,092	4,073	4,031	4,056
Government or NOC	3,834	4,092	4,073	4,031	4,056
Others	–	–	–	–	–
Iraq	2,107	1,853	1,957	2,035	2,281
Government or NOC	2,107	1,853	1,957	2,035	2,281
Others	–	–	–	–	–
Kuwait	2,289	2,573	2,665	2,575	2,676
Government or NOC	2,289	2,573	2,665	2,575	2,676
Others	–	–	–	–	–
SP Libyan AJ	1,581	1,693	1,751	1,674	1,721
Government or NOC	1,162	1,245	1,287	1,230	1,267
Others	418	448	464	444	455
Nigeria	2,327	2,366	2,234	2,059	2,017
Total	61	62	59	54	53
Mobil	137	140	132	122	119
Shell	322	328	309	285	279
Chevron	197	201	189	175	171
Texaco	12	13	12	11	11
Government or NOC	1,397	1,420	1,341	1,236	1,211
Others	200	203	192	177	173
Qatar	755	766	803	845	843
Government or NOC	755	766	803	845	843
Others	–	–	–	–	–
Saudi Arabia	8,897	9,353	9,208	8,816	9,198
Government or NOC	8,572	9,100	8,958	8,521	8,890
Others	325	253	250	295	308
United Arab Emirates	2,344	2,378	2,568	2,529	2,572
BP	177	179	194	191	194
Total	191	194	209	206	209
Exxon	81	83	89	88	89
Mobil	81	83	89	88	89
Shell	104	106	114	112	114
Government or NOC	1,261	1,280	1,382	1,361	1,384
Others	448	454	491	483	491
Venezuela	3,009	3,067	3,036	2,950	3,118
Government or NOC	3,009	3,067	3,036	2,950	3,118
Others	–	–	–	–	–
OPEC	31,077	32,306	32,449	31,929	33,093
BP	177	179	194	191	194
Total	587	645	676	730	734
Exxon	102	97	101	97	98
Mobil	219	222	221	209	208
Shell	426	433	423	398	394
Chevron	583	610	576	634	672
Texaco	389	411	386	429	465
Government or NOC	26,455	27,533	27,710	27,048	28,092
Others	2,138	2,175	2,162	2,193	2,236

Notes: Totals may not add up due to independent rounding.

Refinery capacity in OPEC Members by location, 2004–2008 (1,000 b/cd)

	Location	2004	2005	2006	2007	2008
Algeria		462.2	462.2	455.2	475.0	523.1
Sonatrach	Skikda	323.4	323.4	309.8	323.4	359.1
	Arzew	53.9	53.9	57.5	53.9	59.8
	El Harrach	58.2	58.2	60.4	58.2	58.5
	Hassi Messaoud	26.7	26.7	27.5	26.7	31.4
	In Amenas	–	–	–	–	–
	Adrar	–	–	–	12.8	14.4
Angola		39.0	39.0	39.0	39.0	39.0
Fina Petróleos de Angola	Luanda	39.0	39.0	39.0	39.0	39.0
Ecuador		176.0	176.0	176.0	188.4	188.4
Petroindustrial	Esmeraldas	110.0	110.0	110.0	110.0	110.0
	Santa Elena	38.0	38.0	38.0	45.0	45.0
	Shushufindi	20.0	20.0	20.0	20.0	20.0
Petroproducción	Lago Agrio	1.0	1.0	1.0	1.0	1.0
	Sucumbíos	–	–	–	1.7	1.7
Andes Petroleum	Sucumbíos	–	–	–	3.5	3.5
Repsol YPF	Orellana	7.0	7.0	7.0	7.2	7.2
Indonesia		1,055.5	1,057.0	1,057.0	1,050.6	1,050.6
Pertamina	Musi ¹	133.7	135.2	135.2	127.3	127.3
	Balongan	125.0	125.0	125.0	125.0	125.0
	Dumai	120.0	120.0	120.0	122.0	122.0
	Cilacap	348.0	348.0	348.0	348.0	348.0
	Balikpapan	260.0	260.0	260.0	260.0	260.0
	Sungai Pakning	50.0	50.0	50.0	50.0	50.0
	Pangkalan Brandan	5.0	5.0	5.0	4.5	4.5
	Wonokromo	na	na	na	na	na
	Cepu	3.8	3.8	3.8	3.8	3.8
	Kasim	10.0	10.0	10.0	10.0	10.0
IR Iran		1,474.0	1,474.0	1,474.0	1,474.0	1,474.0
NIOC	Abadan	400.0	400.0	400.0	400.0	400.0
	Arak	150.0	150.0	150.0	150.0	150.0
	Tehran	225.0	225.0	225.0	225.0	225.0
	Isfahan	265.0	265.0	265.0	265.0	265.0
	Tabriz	112.0	112.0	112.0	112.0	112.0
	Shiraz	40.0	40.0	40.0	40.0	40.0
	Kermanshah	30.0	30.0	30.0	30.0	30.0
	Lavan	20.0	20.0	20.0	20.0	20.0
	Masjid-I-Sulaiman	–	–	–	–	–
	Bandar Abbas	232.0	232.0	232.0	232.0	232.0
Iraq		603.0	603.0	638.5	638.5	658.5
INOC	Basrah	126.0	126.0	150.0	150.0	160.0
	Daurah	100.0	100.0	110.0	110.0	90.0
	Kirkuk	27.0	27.0	10.0	10.0	10.0
	Baiji (Salaheddin)	140.0	140.0	150.0	150.0	150.0
	Baiji (North)	150.0	150.0	160.0	160.0	170.0
	Khanaqin/Alwand	10.5	10.5	10.0	10.0	10.0
	Samawah	27.0	27.0	20.0	20.0	20.0
	Haditha	14.0	14.0	10.0	10.0	20.0
	Muftiah	4.5	4.5	4.5	4.5	4.5
	Gaiyarah	4.0	4.0	4.0	4.0	4.0
	Najaf	–	–	10.0	10.0	20.0
Kuwait		936.0	936.0	932.0	936.0	936.0
KNPC	Mina Al-Ahmadi	466.0	466.0	462.0	466.0	466.0
	Shuaiba	200.0	200.0	200.0	200.0	200.0
	Mina Abdullah	270.0	270.0	270.0	270.0	270.0

Table 45

Oil and gas data

Refinery capacity in OPEC Members by location, 2004–2008 (1,000 b/cd)

	Location	2004	2005	2006	2007	2008
SP Libyan AJ		380.0	380.0	380.0	380.0	380.0
NOC	Zawia	120.0	120.0	120.0	120.0	120.0
	Marsa El-Brega	10.0	10.0	10.0	10.0	10.0
	Ras Lanuf	220.0	220.0	220.0	220.0	220.0
	Tobruk	20.0	20.0	20.0	20.0	20.0
	Sarir	10.0	10.0	10.0	10.0	10.0
Nigeria		445.0	445.0	445.0	445.0	445.0
WRPC	Warri	125.0	125.0	125.0	125.0	125.0
KRPC	Kaduna	110.0	110.0	110.0	110.0	110.0
PHRC	Port Hartcourt	60.0	60.0	60.0	60.0	60.0
	Port Hartcourt New	150.0	150.0	150.0	150.0	150.0
Qatar		80.0	80.0	80.0	80.0	80.0
Qatar Petroleum	Mesaieed I	–	–	–	–	–
	Mesaieed II	80.0	80.0	80.0	80.0	80.0
Saudi Arabia		2,077.0	2,091.0	2,135.5	2,130.0	2,135.0
Saudi Aramco	Ras Tanura	525.0	535.0	550.0	550.0	550.0
	Jeddah	84.0	84.0	88.0	85.0	88.0
	Riyadh	120.0	121.0	127.5	120.0	122.0
Getty	Mina Saud	–	–	–	–	–
AOC	Khafji	30.0	30.0	30.0	30.0	30.0
Saudi Aramco	Yanbu (domestic)	235.0	235.0	235.0	235.0	235.0
Saudi Aramco/Mobil	Yanbu (export)	400.0	403.0	400.0	400.0	400.0
Saudi Aramco/Shell	Jubail	313.0	308.0	305.0	310.0	310.0
Saudi Aramco/Petrola	Rabigh	370.0	375.0	400.0	400.0	400.0
United Arab Emirates		466.3	466.3	466.3	466.3	466.3
ADNOC	Al-Ruwais	120.0	120.0	120.0	120.0	120.0
	Umm Al-Narr	85.0	85.0	85.0	85.0	85.0
Metro Oil	Fujairah	70.0	70.0	70.0	70.0	70.0
Emirate Oil	Jebel Ali	120.0	120.0	120.0	120.0	120.0
Sharjah Oil Refinery	Hamriyah	71.3	71.3	71.3	71.3	71.3
Venezuela		1,045.7	1,054.3	1,039.8	1,756.1	1,748.6
PDVSA	Amuay	–	–	–	454.3	454.3
	Caripito	–	–	–	–	–
	Cardon	–	–	–	260.0	260.0
	Paraguaná Refining Centre	736.7	736.7	720.4	721.4	721.4
	San Lorenzo	–	–	–	–	–
	Bajo Grande	9.4	11.1	12.1	13.1	4.7
	Morón	–	–	–	–	–
	Tucupita	–	–	–	–	–
	Puerto La Cruz/El Chaure	175.0	173.1	175.2	175.2	175.3
	San Roque	–	–	–	–	5.1
	El Palito	124.6	133.4	132.1	132.1	127.8
	Barinas	–	–	–	–	–
OPEC		9,239.7	9,263.8	9,318.3	10,058.8	10,124.5

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Some figures were converted from barrels per stream day. Capacity excludes condensate refineries.

1. Plaju and Sungai Gerong.

World refining capacity by country, 2004–2008 (1,000 b/cd)

	2004	2005	2006	2007	2008	% change 08/07
North America	18,792.2	19,143.2	19,313.8	19,416.7	19,409.1	–
Canada	2,017.4	2,017.0	2,041.2	1,969.5	2,029.5	3.0
United States	16,774.9	17,126.2	17,272.6	17,447.2	17,379.7	–0.4
Latin America	8,150.0	8,147.0	7,980.4	7,991.0	8,135.9	1.8
Argentina	625.1	624.6	624.6	626.1	626.1	–
Brazil	1,920.1	1,908.3	1,908.3	1,908.3	1,908.3	–
Colombia	285.9	285.9	285.9	285.9	285.9	–
Ecuador	176.0	176.0	176.0	188.4	188.4	–
Mexico	1,684.0	1,684.0	1,540.0	1,540.0	1,540.0	–
Netherlands Antilles	320.0	320.0	320.0	320.0	320.0	–
Trinidad & Tobago	165.0	175.0	168.0	168.0	168.0	–
Venezuela	1,045.7	1,054.3	1,039.8	1,756.1	1,748.6	–0.4
Virgin Islands	495.0	495.0	500.0	500.0	500.0	–
Others	1,433.2	1,423.9	1,417.8	698.3	850.7	21.8
Eastern Europe	9,871.1	9,822.4	9,859.4	9,921.4	9,814.9	–1.1
Former USSR	8,389.1	8,223.8	8,260.8	8,311.3	8,014.9	–3.6
Others	1,482.0	1,598.6	1,598.6	1,610.1	1,800.0	11.8
Western Europe	15,116.6	15,415.9	15,445.4	15,405.2	15,439.2	0.2
Belgium	803.0	857.6	790.6	797.6	797.6	–
France	1,951.3	1,979.5	1,958.8	1,938.1	1,986.2	2.5
Germany	2,323.2	2,428.2	2,417.4	2,417.1	2,417.5	–
Italy	2,320.9	2,324.4	2,337.2	2,337.2	2,337.2	–
Netherlands	1,227.5	1,221.9	1,211.9	1,226.9	1,207.7	–1.6
Spain	1,271.5	1,271.5	1,271.5	1,277.0	1,271.5	–0.4
United Kingdom	1,825.4	1,876.9	1,887.1	1,857.7	1,857.7	–
Others	3,393.8	3,455.9	3,570.9	3,553.6	3,563.7	0.3
Middle East	6,688.0	6,707.7	6,903.0	6,914.6	7,036.2	1.8
IR Iran	1,474.0	1,474.0	1,474.0	1,474.0	1,474.0	–
Iraq	603.0	603.0	638.5	638.5	658.5	3.1
Kuwait	936.0	936.0	932.0	936.0	936.0	–
Qatar	80.0	80.0	80.0	80.0	80.0	–
Saudi Arabia	2,077.0	2,091.0	2,135.5	2,130.0	2,135.0	0.2
United Arab Emirates	466.3	466.3	466.3	466.3	466.3	–
Others	1,051.7	1,057.4	1,176.7	1,189.8	1,286.5	8.1
Africa	3,267.8	3,288.8	3,250.6	3,275.4	3,278.4	0.1
Algeria	462.2	462.2	455.2	475.0	523.1	10.1
Angola	39.0	39.0	39.0	39.0	39.0	–
Egypt	726.3	726.3	726.3	726.3	726.3	–
Gabon	17.3	17.3	17.3	17.3	24.0	38.7
SP Libyan AJ	380.0	380.0	380.0	380.0	380.0	–
Nigeria	445.0	445.0	445.0	445.0	445.0	–
Others	1,198.0	1,219.0	1,187.8	1,192.8	1,141.0	–4.3
Asia and Pacific	22,605.0	22,863.6	23,900.5	24,438.1	25,089.8	2.7
China	6,289.0	6,587.0	7,029.0	7,511.0	7,946.0	5.8
India	2,513.0	2,558.0	2,992.0	3,132.0	3,255.5	3.9
Indonesia	1,055.5	1,057.0	1,057.0	1,050.8	1,050.6	–
Japan	4,706.9	4,671.9	4,676.7	4,650.7	4,690.7	0.9
South Korea	2,576.5	2,576.5	2,633.5	2,633.5	2,676.5	1.6
Singapore	1,318.6	1,318.6	1,318.6	1,344.0	1,344.0	–
Taiwan	920.0	1,220.0	1,290.0	1,290.0	1,290.0	–
Australia	755.0	701.6	704.7	701.1	736.3	5.0
Others	2,470.5	2,173.0	2,199.0	2,125.0	2,100.1	–1.2
Total world	84,490.7	85,388.6	86,653.1	87,362.4	88,203.5	1.0
OPEC	9,239.7	9,263.8	9,318.3	10,058.8	10,124.5	0.7
<i>OPEC percentage</i>	<i>10.9</i>	<i>10.8</i>	<i>10.8</i>	<i>11.5</i>	<i>11.5</i>	

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Some figures were converted from barrels per stream day.

Table 47

Oil and gas data

Output of refined products by type in OPEC Members, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
Algeria	446.6	451.9	451.2	501.8	516.5	2.9
Gasoline	42.2	49.3	49.4	44.8	60.9	35.9
Kerosene	27.9	23.1	20.9	22.6	21.6	-4.6
Distillates	131.3	128.7	138.2	141.4	178.0	25.9
Residuals	113.9	112.6	100.9	104.3	121.6	16.6
Others	131.4	138.1	141.7	188.7	134.5	-28.7
Angola	40.4	41.9	49.8	60.6	47.8	-21.2
Gasoline	-	-	1.5	1.4	1.8	26.0
Kerosene	-	-	6.3	7.6	7.0	-7.8
Distillates	-	-	9.3	10.5	10.8	2.5
Residuals	-	-	10.5	11.3	11.0	-2.3
Others	-	-	22.3	29.8	17.2	-42.3
Ecuador	137.1	132.0	133.0	170.2	194.3	14.2
Gasoline	21.0	16.3	19.3	43.0	44.7	4.0
Kerosene	1.4	3.6	4.5	8.5	8.5	0.1
Distillates	32.5	34.6	33.0	31.0	32.9	6.3
Residuals	62.5	58.2	56.8	68.3	65.0	-4.8
Others	19.6	19.2	19.3	19.4	15.3	-21.4
Indonesia	1,011.6	1,054.1	1,053.5	1,213.2	1,184.1	-2.4
Gasoline	206.2	194.6	461.5	562.3	540.3	-3.9
Kerosene	196.0	147.2	147.3	142.3	133.9	-5.9
Distillates	289.0	259.3	257.6	231.2	276.0	19.4
Residuals	80.4	76.0	66.2	67.9	52.1	-23.3
Others	240.0	377.1	120.9	209.5	181.8	-13.2
IR Iran	1,437.4	1,439.8	1,447.9	1,498.0	1,587.0	5.9
Gasoline	-	208.0	274.2	319.0	306.3	-4.0
Kerosene	-	177.7	132.8	133.5	159.5	19.5
Distillates	-	402.8	506.1	475.8	503.1	5.7
Residuals	-	436.1	482.6	442.8	462.2	4.4
Others	-	215.2	52.2	126.9	155.9	22.9
Iraq	491.0	477.4	484.2	480.8	453.2	-5.7
Gasoline	-	-	-	-	59.9	na
Kerosene	-	-	-	-	46.7	na
Distillates	-	-	-	-	83.7	na
Residuals	-	-	-	-	209.5	na
Others	-	-	-	-	53.3	na
Kuwait	840.1	910.8	886.7	877.4	1,003.2	14.3
Gasoline	44.8	65.6	65.7	59.3	54.2	-8.7
Kerosene	145.8	102.4	169.1	182.5	171.8	-5.9
Distillates	246.1	360.0	295.7	249.1	243.3	-2.3
Residuals	176.5	128.7	180.5	192.5	184.8	-4.0
Others	226.8	254.0	175.7	194.0	349.1	79.9
SP Libyan AJ	401.3	459.8	468.3	497.0	362.7	-27.0
Gasoline	-	17.9	18.4	19.5	18.2	-7.0
Kerosene	-	32.9	31.8	32.8	34.3	4.6
Distillates	-	84.9	87.7	87.8	84.4	-3.9
Residuals	-	118.3	136.1	134.0	141.2	5.4
Others	-	205.9	194.2	222.9	84.6	-62.0

Output of refined products by type in OPEC Members, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
Nigeria	341.0	388.0	369.4	378.7	372.2	-1.7
Gasoline	–	70.2	–	–	56.2	–
Kerosene	–	49.1	–	–	26.9	–
Distillates	–	95.7	–	–	21.3	–
Residuals	–	76.2	–	–	0.4	–
Others	–	96.8	–	–	267.4	–
Qatar	118.6	119.1	131.8	131.8	126.2	-4.3
Gasoline	39.9	38.4	39.7	45.7	44.6	-2.4
Kerosene	21.5	19.9	24.4	24.0	24.2	0.9
Distillates	21.1	19.4	20.6	21.0	24.3	15.4
Residuals	8.0	9.4	13.6	7.8	3.9	-50.2
Others	28.0	31.9	33.4	33.3	29.3	-12.2
Saudi Arabia	1,912.6	1,974.4	1,960.1	1,873.6	1,970.9	5.2
Gasoline	317.9	313.2	281.0	351.7	338.8	-3.7
Kerosene	183.5	221.7	211.9	184.3	190.4	3.3
Distillates	643.5	647.6	662.4	653.4	676.1	3.5
Residuals	473.4	487.6	495.9	477.8	476.5	-0.3
Others	294.3	304.4	308.9	206.3	289.2	40.2
United Arab Emirates	439.8	441.6	423.8	393.0	395.9	0.7
Gasoline	40.7	43.6	61.2	54.6	50.6	-7.4
Kerosene	117.0	117.4	117.0	107.5	106.4	-1.1
Distillates	96.9	87.1	90.5	86.7	86.0	-0.7
Residuals	23.5	23.7	21.4	20.1	16.5	-18.0
Others	161.7	169.9	133.7	124.1	136.5	9.9
Venezuela	1,042.8	1,198.4	1,079.7	1,056.2	1,142.7	8.2
Gasoline	281.1	284.9	288.6	298.1	309.3	3.8
Kerosene	84.0	80.4	79.1	81.4	78.7	-3.4
Distillates	286.8	331.4	307.5	274.8	316.5	15.2
Residuals	244.8	271.8	252.0	216.3	286.4	32.4
Others	146.0	229.9	152.6	185.7	151.9	-18.2
OPEC	8,660.2	9,089.2	8,939.2	9,132.4	9,356.7	2.5
Gasoline	na	na	na	na	na	na
Kerosene	na	na	na	na	na	na
Distillates	na	na	na	na	na	na
Residuals	na	na	na	na	na	na
Others	na	na	na	na	na	na

Notes: Totals may not add up due to independent rounding. Data may include production of gas plants, GTL and condensate refineries.

Table 48

Oil and gas data

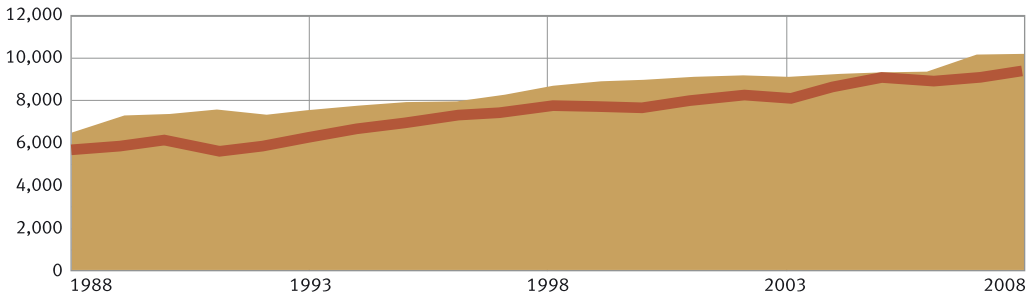
World output of refined products by country, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
North America	19,950.3	19,883.8	19,960.4	20,051.0	19,977.6	-0.4
Canada	2,141.6	2,084.3	2,055.1	2,095.1	2,006.4	-4.2
United States	17,808.7	17,799.5	17,905.3	17,955.9	17,971.2	0.1
Latin America	7,148.2	7,235.0	7,320.1	7,263.9	7,604.9	4.7
Argentina	604.7	603.3	627.4	671.8	673.4	0.2
Brazil	1,858.9	1,781.3	1,913.7	1,754.3	1,941.9	10.7
Ecuador	137.1	132.0	133.0	170.2	194.3	14.2
Mexico	1,505.3	1,474.7	1,474.0	1,457.0	1,434.1	-1.6
Venezuela	1,042.8	1,198.4	1,079.7	1,056.2	1,142.7	8.2
Virgin Islands	443.4	445.2	446.9	452.0	457.1	1.1
Others	1,556.1	1,600.1	1,645.4	1,702.4	1,761.4	3.5
Eastern Europe	6,743.6	6,979.3	7,175.0	7,414.3	7,676.3	3.5
Bulgaria	118.0	131.3	150.8	150.5	149.8	-0.4
Romania	280.6	319.5	306.7	290.5	287.3	-1.1
Former USSR	5,522.0	5,693.2	5,869.7	6,108.5	6,357.1	4.1
Others	823.0	835.3	847.9	864.8	882.0	2.0
Western Europe	14,925.2	15,002.3	14,851.3	14,761.0	15,289.7	3.6
Belgium	885.0	761.7	747.3	785.8	815.0	3.7
France	1,836.8	1,798.6	1,808.8	1,789.9	1,846.3	3.1
Germany	2,441.8	2,516.6	2,485.3	2,450.8	2,534.8	3.4
Italy	1,960.1	2,027.3	1,965.7	2,024.8	2,093.2	3.4
Netherlands	1,766.2	1,800.6	1,721.6	1,546.5	1,606.2	3.9
Norway	291.1	319.3	338.3	337.0	348.2	3.3
Portugal	271.8	281.6	290.0	270.0	278.8	3.2
Spain	1,198.9	1,218.8	1,240.3	1,210.2	1,250.3	3.3
United Kingdom	1,856.3	1,782.3	1,677.9	1,671.4	1,740.1	4.1
Others	2,417.4	2,495.5	2,576.2	2,674.7	2,776.9	3.8
Middle East	6,249.7	6,394.5	6,387.5	6,334.2	6,643.1	4.9
IR Iran	1,437.4	1,439.8	1,447.9	1,498.0	1,587.0	5.9
Iraq	491.0	477.4	484.2	480.8	453.2	-5.7
Kuwait	840.1	910.8	886.7	877.4	1,003.2	14.3
Qatar	118.6	119.1	131.8	131.8	126.2	-4.3
Saudi Arabia	1,912.6	1,974.4	1,960.1	1,873.6	1,970.9	5.2
United Arab Emirates	439.8	441.6	423.8	393.0	395.9	0.7
Others	1,010.2	1,031.4	1,053.0	1,079.5	1,106.7	2.5
Africa	2,771.7	2,931.1	2,887.6	3,067.2	2,965.2	-3.3
Algeria	446.6	451.9	451.2	501.8	516.5	2.9
Angola	40.4	41.9	49.8	60.6	47.8	-21.2
Egypt	536.4	562.4	500.4	553.9	558.8	0.9
Gabon	17.1	17.3	17.5	17.8	18.1	1.6
SP Libyan AJ	401.3	459.8	468.3	497.0	362.7	-27.0
Nigeria	341.0	388.0	369.4	378.7	372.2	-1.7
Others	989.0	1,009.8	1,031.0	1,057.3	1,089.2	3.0
Asia and Pacific	20,264.7	20,765.0	21,505.6	22,477.4	22,883.6	1.8
Australia	709.8	679.1	631.7	686.6	667.2	-2.8
China	5,518.9	5,684.8	6,137.3	6,627.8	6,962.8	5.1
India	2,520.2	2,491.5	2,784.6	3,026.7	3,171.2	4.8
Indonesia	1,011.6	1,054.1	1,053.5	1,213.2	1,184.1	-2.4
Japan	4,388.1	4,503.7	4,397.6	4,338.2	4,262.0	-1.8
Philippines	200.4	217.1	205.3	205.3	184.1	-10.3
Singapore	965.9	995.4	1,025.8	1,062.7	1,106.8	4.1
South Korea	2,443.3	2,556.5	2,613.7	2,600.5	2,567.8	-1.3
New Zealand	106.8	109.3	106.8	102.5	107.2	4.6
Taiwan	941.1	970.9	1,001.6	1,011.2	1,002.3	-0.9
Others	1,458.6	1,502.6	1,548.0	1,602.8	1,668.1	4.1
Total world	78,053.4	79,191.1	80,087.5	81,368.9	83,040.4	2.1
OPEC	8,660.2	9,089.2	8,939.2	9,132.4	9,356.7	2.5
OPEC percentage	11.1	11.5	11.2	11.2	11.3	0.4

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series. Data may include production of gas plants, GTL and condensate refineries.

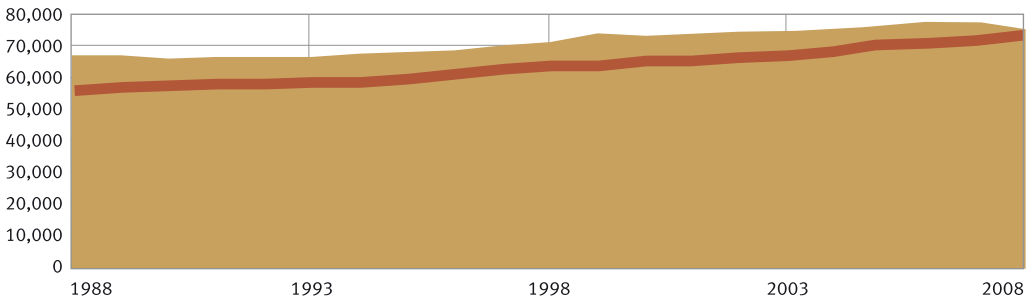
Output of refined products vs refinery capacity, 1988–2008 (1,000 b/d)

OPEC



Graph 30

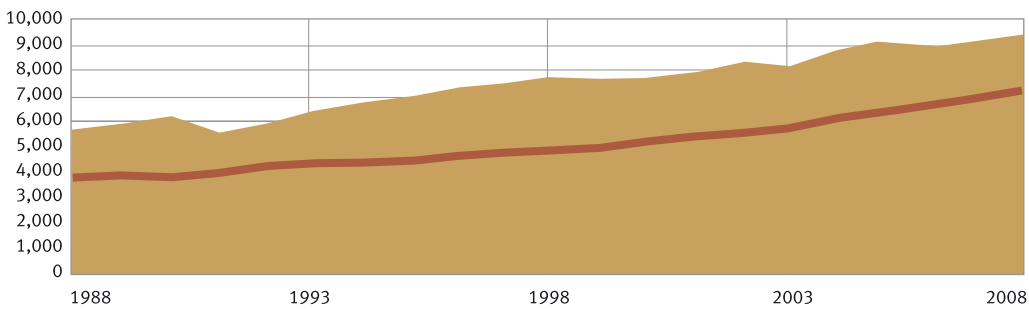
Non-OPEC



Graph 31

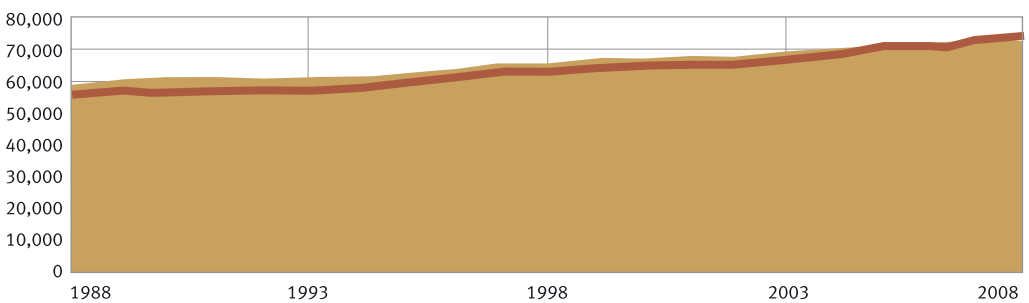
Production and consumption of refined products, 1988–2008 (1,000 b/d)

OPEC



Graph 32

Non-OPEC



Graph 33

Table 49

Oil and gas data

Consumption of refined products by type in OPEC Members, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
Algeria	232.9	245.9	255.2	277.6	299.6	7.9
Gasoline	41.3	47.2	49.3	48.3	52.4	8.5
Kerosene	8.0	8.2	8.0	8.1	8.9	9.7
Distillates	113.0	120.6	124.4	144.4	158.9	10.0
Residuals	0.2	0.2	0.5	0.5	0.4	-1.0
Others	70.3	69.6	73.0	76.3	79.0	3.5
Angola	49.6	52.5	57.4	59.1	62.3	5.4
Gasoline	8.2	8.7	9.5	9.8	10.4	6.5
Kerosene	10.4	11.3	11.9	12.4	13.1	5.9
Distillates	21.4	23.5	27.3	28.0	29.7	6.3
Residuals	2.9	3.0	3.5	3.7	3.8	1.6
Others	6.7	6.0	5.2	5.3	5.3	0.1
Ecuador	144.7	153.4	164.2	174.5	181.3	3.9
Gasoline	30.2	31.1	32.1	34.2	36.7	7.3
Kerosene	7.0	7.3	7.5	7.8	7.3	-6.6
Distillates	51.9	54.0	58.3	60.7	64.5	6.3
Residuals	23.3	24.1	25.6	26.2	24.5	-6.6
Others	32.4	36.8	40.8	45.6	48.4	6.0
Indonesia	1,143.7	1,139.9	1,061.3	1,047.9	1,054.1	0.6
Gasoline	282.1	300.8	290.4	281.3	282.1	0.3
Kerosene	255.1	236.0	218.3	223.3	226.4	1.4
Distillates	465.9	474.6	438.5	424.2	428.2	1.0
Residuals	98.9	82.7	84.8	88.5	87.2	-1.5
Others	41.7	45.8	29.3	30.7	30.2	-1.5
IR Iran	1,374.8	1,479.2	1,598.6	1,680.1	1,776.1	5.7
Gasoline	355.3	371.0	383.1	389.4	414.4	6.4
Kerosene	165.1	143.4	142.5	148.0	159.3	7.6
Distillates	433.0	483.8	513.3	534.0	551.7	3.3
Residuals	191.3	233.1	296.3	337.0	368.7	9.4
Others	230.2	247.8	263.4	271.7	282.0	3.8
Iraq	504.0	536.9	563.7	567.5	589.3	3.8
Gasoline	78.8	82.6	87.8	92.1	94.8	2.9
Kerosene	49.3	53.4	58.1	46.4	48.5	4.5
Distillates	176.1	179.1	187.0	191.6	198.5	3.6
Residuals	166.3	170.3	177.0	181.9	191.4	5.2
Others	33.6	51.6	53.8	55.6	56.2	1.1
Kuwait	230.8	248.7	241.3	251.8	263.8	4.8
Gasoline	46.7	49.1	51.8	53.5	55.2	3.1
Kerosene	12.1	13.1	12.7	13.9	15.7	13.0
Distillates	17.4	21.7	31.6	39.3	42.2	7.5
Residuals	149.6	158.6	139.2	138.3	143.7	3.9
Others	5.0	6.2	6.2	6.9	7.1	3.1
SP Libyan AJ	231.2	229.5	228.7	231.9	251.5	8.4
Gasoline	49.6	54.1	56.7	60.1	64.7	7.8
Kerosene	13.7	13.9	13.6	13.2	11.6	-12.0
Distillates	79.4	78.2	77.0	78.9	88.8	12.5
Residuals	46.7	46.6	44.8	39.7	42.1	6.2
Others	41.8	36.7	36.7	40.1	44.2	10.3

Consumption of refined products by type in OPEC Members, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
Nigeria	241.6	257.5	232.3	211.9	235.3	11.1
Gasoline	146.0	164.3	156.2	142.4	163.0	14.4
Kerosene	32.8	37.4	36.2	35.4	34.8	-1.6
Distillates	43.6	40.6	30.6	24.5	26.0	6.4
Residuals	14.1	10.1	4.2	5.0	6.9	36.8
Others	5.1	5.1	5.1	4.5	4.6	1.0
Qatar	68.9	73.2	95.6	107.6	115.9	7.6
Gasoline	14.3	16.7	19.1	20.6	22.3	8.3
Kerosene	10.3	10.7	16.8	17.0	18.4	8.4
Distillates	14.6	15.3	23.9	32.2	36.3	12.8
Residuals	13.2	13.1	13.4	14.4	14.5	1.0
Others	16.5	17.4	22.5	23.5	24.3	3.6
Saudi Arabia	1,137.9	1,175.2	1,258.3	1,345.3	1,440.3	7.1
Gasoline	281.3	298.1	315.9	347.2	373.5	7.6
Kerosene	55.2	56.2	55.9	57.8	61.8	7.1
Distillates	433.3	462.0	503.9	532.3	577.8	8.5
Residuals	272.5	262.0	278.1	299.3	311.4	4.0
Others	95.6	97.0	104.5	108.7	115.8	6.5
United Arab Emirates	194.1	204.3	213.9	224.1	233.3	4.1
Gasoline	72.0	75.3	79.0	83.5	86.9	4.1
Kerosene	3.1	3.6	4.0	4.2	4.5	7.1
Distillates	81.5	87.0	91.4	95.9	98.8	3.0
Residuals	20.5	20.5	20.6	21.1	22.0	4.5
Others	17.0	18.0	18.9	19.4	21.0	8.1
Venezuela	489.1	520.6	569.6	604.2	637.9	5.6
Gasoline	232.4	240.1	256.9	274.0	286.9	4.7
Kerosene	12.2	5.6	5.2	5.6	5.4	-3.6
Distillates	115.7	120.9	132.3	136.6	148.5	8.7
Residuals	35.6	39.6	44.5	41.2	34.1	-17.2
Others	93.1	114.4	130.6	146.9	163.1	11.1
OPEC	6,043.3	6,316.7	6,540.1	6,783.6	7,140.8	5.3
Gasoline	1,638.3	1,739.1	1,787.8	1,836.4	1,943.3	5.8
Kerosene	634.4	599.9	590.4	592.9	615.7	3.8
Distillates	2,046.8	2,161.5	2,239.4	2,322.4	2,449.9	5.5
Residuals	1,035.0	1,063.8	1,132.5	1,196.7	1,250.7	4.5
Others	689.0	752.4	790.0	835.1	881.1	5.5

Notes: Revisions have been made throughout the time series.

Table 50

Oil and gas data

World consumption of refined products by country, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
North America	22,338.8	22,444.4	22,297.6	22,362.1	21,227.3	-5.1
Canada	2,255.9	2,287.1	2,243.2	2,308.6	2,271.5	-1.6
United States	20,080.3	20,154.7	20,051.8	20,050.8	18,953.2	-5.5
Others	2.6	2.7	2.7	2.7	2.6	-3.7
Latin America	6,527.7	6,689.5	6,893.1	7,161.2	7,351.2	2.7
Argentina	453.3	461.9	501.3	550.1	565.4	2.8
Brazil	2,075.8	2,120.0	2,167.4	2,254.5	2,374.2	5.3
Colombia	230.9	226.0	236.4	247.2	250.3	1.3
Ecuador	144.7	153.4	164.2	174.5	181.3	3.9
Mexico	1,934.0	2,003.8	2,013.5	2,053.2	2,038.7	-0.7
Venezuela	489.1	520.6	569.6	604.2	637.9	5.6
Others	1,199.8	1,203.8	1,240.7	1,277.5	1,303.3	2.0
Eastern Europe	4,759.9	4,904.4	5,114.3	5,220.7	5,313.1	1.8
Czech Republic	200.3	207.1	207.1	206.1	210.0	1.9
Slovakia	80.8	84.0	86.2	94.8	97.0	2.3
Romania	216.6	219.8	225.8	234.2	235.2	0.5
Former USSR	3,555.8	3,643.7	3,802.1	3,864.8	3,939.4	1.9
Others	706.5	749.8	793.2	820.8	831.5	1.3
Western Europe	14,546.0	14,588.0	14,572.4	14,223.5	14,115.1	-0.8
France	1,877.5	1,860.6	1,854.1	1,828.8	1,834.4	0.3
Germany	2,603.9	2,586.3	2,631.2	2,404.6	2,501.3	4.0
Italy	1,725.8	1,688.2	1,677.7	1,642.1	1,601.7	-2.5
Netherlands	603.8	650.3	636.9	629.9	624.8	-0.8
Spain	1,381.5	1,413.2	1,397.4	1,421.1	1,373.6	-3.3
United Kingdom	1,530.7	1,572.8	1,554.8	1,496.4	1,460.4	-2.4
Others	4,822.8	4,816.6	4,820.3	4,800.6	4,718.9	-1.7
Middle East	4,373.8	4,625.8	4,874.4	5,098.6	5,380.2	5.5
IR Iran	1,374.8	1,479.2	1,598.6	1,680.1	1,776.1	5.7
Iraq	504.0	536.9	563.7	567.5	589.3	3.8
Kuwait	230.8	248.7	241.3	251.8	263.8	4.8
Qatar	68.9	73.2	95.6	107.6	115.9	7.6
Saudi Arabia	1,137.9	1,175.2	1,258.3	1,345.3	1,440.3	7.1
Syrian Arab Republic	235.5	264.0	270.1	276.7	286.1	3.4
United Arab Emirates	194.1	204.3	213.9	224.1	233.3	4.1
Others	627.8	644.3	632.9	645.4	675.4	4.6
Africa	2,127.5	2,226.8	2,256.2	2,318.6	2,445.7	5.5
Algeria	232.9	245.9	255.2	277.6	299.6	7.9
Angola	49.6	52.5	57.4	59.1	62.3	5.4
Egypt	566.7	599.6	617.9	634.7	654.9	3.2
SP Libyan AJ	231.2	229.5	228.7	231.9	251.5	8.4
Nigeria	241.6	257.5	232.3	211.9	235.3	11.1
Tunisia	82.8	84.2	81.2	82.5	82.5	-
Others	722.7	757.8	783.5	820.9	859.5	4.7
Asia and Pacific	21,916.4	22,294.6	22,675.8	23,189.6	23,393.8	0.9
Australia	827.2	856.5	868.4	884.0	895.0	1.2
China	6,179.7	6,341.7	6,755.9	7,170.2	7,554.3	5.4
India	2,472.3	2,475.4	2,533.7	2,665.9	2,793.7	4.8
Indonesia	1,143.7	1,139.9	1,061.3	1,047.9	1,054.1	0.6
Japan	5,242.7	5,248.6	5,124.4	4,936.1	4,675.8	-5.3
New Zealand	131.1	133.6	135.4	136.2	132.8	-2.5
South Korea	2,151.2	2,187.1	2,176.1	2,210.1	2,149.2	-2.8
Thailand	751.6	761.9	773.9	769.5	753.4	-2.1
Others	3,016.9	3,149.7	3,246.7	3,369.8	3,385.5	0.5
Total world	76,590.2	77,773.6	78,683.8	79,574.5	79,226.5	-0.4
OPEC	6,043.3	6,316.7	6,540.1	6,783.6	7,140.8	5.3
<i>OPEC percentage</i>	<i>7.9</i>	<i>8.1</i>	<i>8.3</i>	<i>8.5</i>	<i>9.0</i>	<i>5.7</i>

Notes: Revisions have been made throughout the time series.

OPEC Members' crude oil exports by destination, 2004–2008 (1,000 b/d)

Algeria	2004	2005	2006	2007	2008
North America	354.3	390.4	509.6	738.9	435.6
Canada	127.1	122.1	149.6	166.0	146.3
United States	227.2	268.3	360.1	572.9	289.3
Latin America	85.4	100.6	40.8	48.5	22.8
Eastern Europe	–	2.7	1.0	–	–
Western Europe	399.5	435.1	289.9	374.3	324.2
Belgium	–	0.3	0.1	45.2	0.1
France	141.4	15.4	68.1	36.6	73.8
Germany	14.8	55.5	46.9	49.9	11.0
Italy	78.2	62.1	68.0	30.0	58.3
Netherlands	5.0	20.3	1.9	31.1	29.1
Spain	53.6	56.3	68.7	68.1	72.2
United Kingdom	32.6	38.1	32.2	43.4	49.8
Middle East	8.6	–	–	–	–
Africa	–	–	–	–	–
Asia and Pacific	45.4	41.5	20.9	37.8	55.4
Unspecified	–	–	85.1	54.1	2.9
Total world	893.2	970.3	947.2	1,253.5	840.9

Angola	2004	2005	2006	2007	2008
North America	321.5	475.1	537.1	543.1	588.1
Canada	–	15.5	21.6	50.3	81.1
United States	321.5	459.6	515.5	492.8	507.0
Latin America	–	–	–	–	–
Eastern Europe	–	–	–	–	–
Western Europe	65.8	131.7	89.2	233.9	298.2
Belgium	–	–	0.7	15.2	18.3
France	55.3	85.3	64.9	97.8	113.7
Netherlands	–	3.2	2.1	30.5	57.1
Spain	10.5	33.8	11.3	30.3	16.6
United Kingdom	–	–	–	–	–
Middle East	–	–	–	–	–
Africa	–	–	–	–	–
Asia and Pacific	10.5	2.5	39.4	23.1	0.5
Unspecified	543.0	337.6	344.6	357.6	157.6
Total world	940.9	946.9	1,010.3	1,157.6	1,044.5

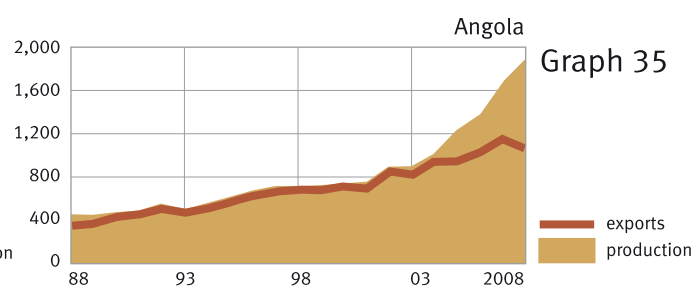
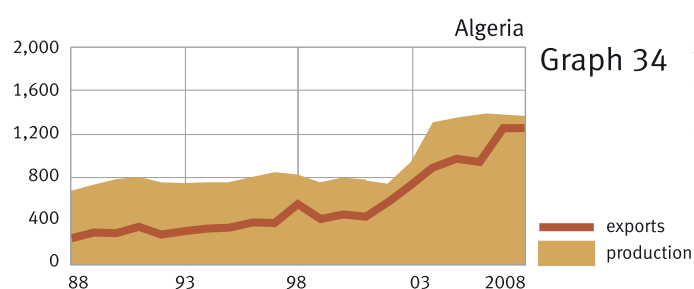


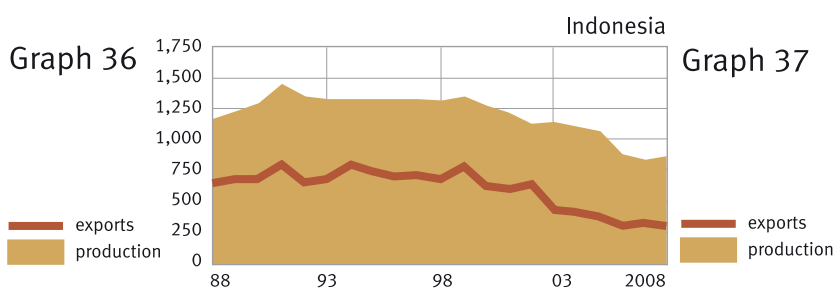
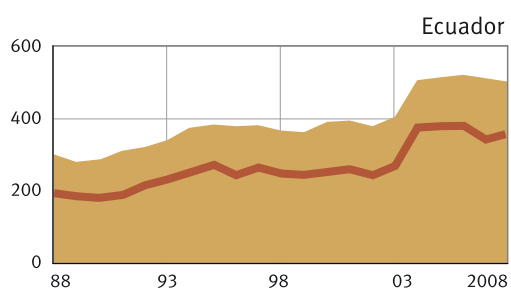
Table 51

Oil and gas data

OPEC Members' crude oil exports by destination, 2004–2008 (1,000 b/d)

Ecuador	2004	2005	2006	2007	2008
North America	227.6	231.5	229.2	208.2	226.1
Canada	33.1	33.7	33.4	10.2	16.5
United States	194.5	197.8	195.9	198.0	209.6
Latin America	131.5	133.8	132.5	120.3	107.9
Eastern Europe	–	–	–	–	–
Western Europe	–	–	–	–	–
Middle East	–	–	–	–	–
Africa	–	–	–	–	–
Asia and Pacific	14.5	14.7	14.6	13.2	14.4
Unspecified	–	–	–	–	–
Total world	373.7	380.0	376.3	341.7	348.4

Indonesia	2004	2005	2006	2007	2008
North America	33.4	22.4	15.7	20.5	16.3
United States	33.4	22.4	15.7	20.5	16.3
Latin America	–	–	–	–	–
Eastern Europe	–	–	–	–	–
Western Europe	–	–	–	–	–
Italy	–	–	–	–	–
Middle East	–	–	–	–	–
Africa	–	–	–	–	–
Asia and Pacific	379.3	352.0	228.6	298.7	232.1
Australia	57.2	80.4	50.4	65.8	50.0
China	–	–	–	–	–
Japan	139.9	140.6	109.7	143.4	127.0
Philippines	–	–	–	–	–
South Korea	103.8	126.4	62.1	81.2	43.5
Singapore	–	–	–	–	–
Taiwan	–	–	–	–	–
Unspecified	–	–	56.9	–	45.7
Total world	412.7	374.4	301.3	319.3	294.1



OPEC Members' crude oil exports by destination, 2004–2008 (1,000 b/d)

IR Iran	2004	2005	2006	2007	2008
North America	–	–	–	–	–
Canada	–	–	–	–	–
United States	–	–	–	–	–
Latin America	58.8	–	–	2.3	–
Eastern Europe	139.9	–	–	–	–
Western Europe	794.0	1,061.2	871.7	847.4	749.0
France	124.8	210.7	205.6	132.2	88.6
Germany	0.5	14.6	5.0	8.4	9.0
Italy	226.5	293.8	291.8	192.4	162.0
Netherlands	52.0	42.3	12.5	–	3.7
United Kingdom	–	–	–	–	0.8
Middle East	29.7	211.7	–	–	–
Africa	186.3	–	149.2	148.1	147.0
Asia and Pacific	1,347.0	1,121.6	1,350.6	1,469.1	1,542.0
Australia	1.6	–	–	–	–
Japan	730.5	822.1	684.3	450.4	437.7
Unspecified	128.4	–	5.7	–	–
Total world	2,684.1	2,394.5	2,377.2	2,466.8	2,438.1

Notes: Corresponds to a fiscal year ending March 20.

Iraq	2004	2005	2006	2007	2008
North America	1,034.7	927.6	659.2	593.4	758.9
United States	892.4	813.7	659.2	593.4	627.0
Latin America	–	–	–	–	–
Eastern Europe	–	–	–	91.3	109.7
Western Europe	326.7	393.6	365.8	326.3	392.3
France	29.9	44.4	70.8	59.3	60.6
Germany	2.2	–	1.2	3.1	3.6
Italy	129.5	180.3	136.6	139.8	178.1
Netherlands	48.9	23.5	32.2	41.0	44.1
Spain	57.2	89.7	66.1	65.3	36.8
United Kingdom	–	–	–	–	–
Middle East	38.8	37.3	–	26.8	2.5
Africa	–	–	–	–	–
Asia and Pacific	49.8	113.8	442.8	605.3	591.8
Japan	40.0	36.2	63.9	42.3	42.8
Unspecified	–	–	–	–	–
Total world	1,450.0	1,472.2	1,467.8	1,643.0	1,855.2

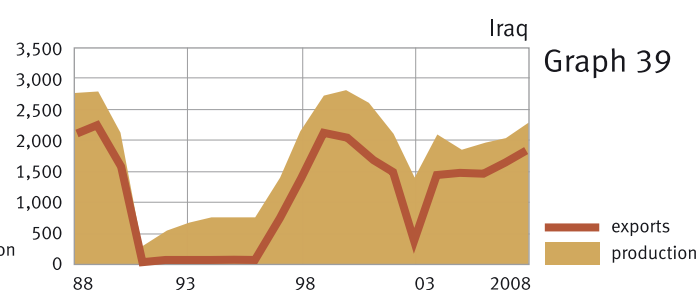
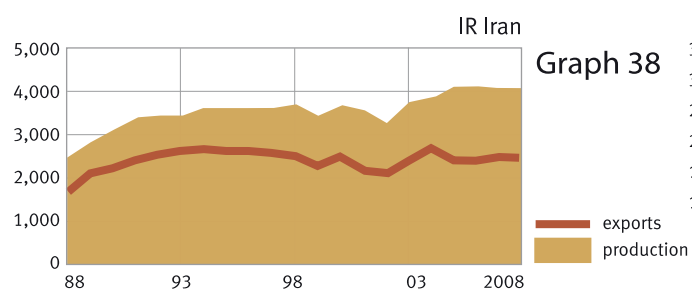


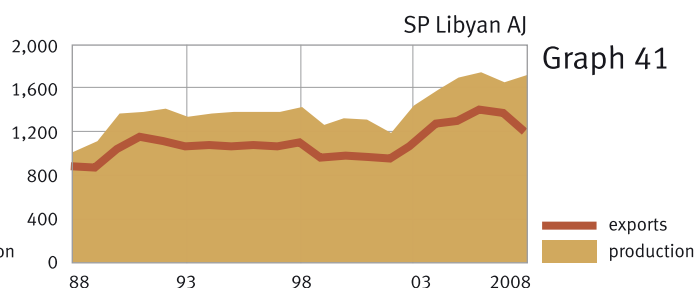
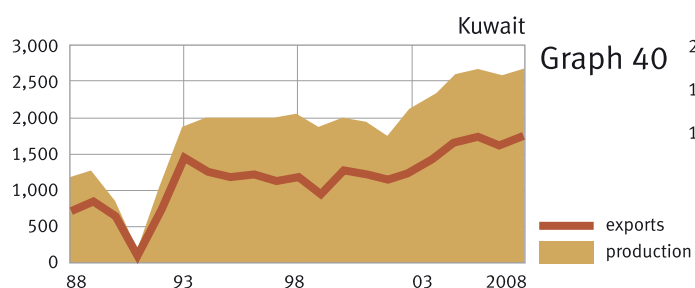
Table 51

Oil and gas data

OPEC Members' crude oil exports by destination, 2004–2008 (1,000 b/d)

Kuwait	2004	2005	2006	2007	2008
North America	179.1	123.0	125.6	111.9	137.5
United States	179.1	123.0	125.6	111.9	137.5
Latin America	–	–	–	–	2.1
Eastern Europe	–	–	5.2	–	–
Western Europe	121.7	111.8	129.6	109.0	117.5
France	33.9	23.9	31.6	28.1	60.0
Germany	1.2	–	1.2	0.2	5.3
Italy	–	0.9	1.2	0.5	–
Netherlands	83.9	85.0	91.0	67.3	168.9
Spain	–	–	–	–	–
United Kingdom	–	–	–	–	–
Middle East	–	–	–	–	–
Africa	13.0	35.0	46.4	43.7	38.6
Asia and Pacific	1,101.0	1,381.1	1,415.9	1,347.4	1,438.3
Australia	1.1	3.0	0.5	0.5	–
Japan	904.1	573.6	296.2	296.2	607.1
Unspecified	–	–	0.7	0.8	4.5
Total world	1,414.9	1,650.8	1,723.4	1,612.9	1,738.5

SP Libyan AJ	2004	2005	2006	2007	2008
North America	21.5	64.7	77.1	80.0	39.8
Latin America	1.7	–	–	31.1	33.9
Eastern Europe	1.6	0.3	–	–	–
Western Europe	1,172.6	1,135.6	1,215.9	1,109.3	1,215.2
Austria	22.0	5.2	21.1	26.7	18.3
Belgium	0.7	1.2	–	3.4	–
France	82.3	86.4	77.6	94.8	139.4
Germany	256.7	240.3	230.1	198.0	207.8
Italy	444.6	434.3	442.1	468.9	488.3
Netherlands	–	6.7	1.2	5.2	11.8
Spain	144.2	114.9	103.0	89.0	118.6
Switzerland	47.5	50.1	49.5	46.5	71.6
United Kingdom	–	9.0	22.5	16.8	46.3
Middle East	–	–	–	–	–
Africa	21.2	24.0	35.9	23.4	24.1
Asia and Pacific	47.0	81.7	96.7	134.1	90.2
Unspecified	18.9	–	–	–	–
Total world	1,284.5	1,306.3	1,425.6	1,377.8	1,403.4



OPEC Members' crude oil exports by destination, 2004–2008 (1,000 b/d)

Nigeria	2004	2005	2006	2007	2008
North America	951.4	985.8	1,571.6	1,670.7	1,380.5
United States	877.1	936.5	1,526.1	1,639.9	1,345.9
Latin America	236.2	224.3	–	–	–
Eastern Europe	21.7	26.6	–	–	0.8
Western Europe	484.5	498.3	613.1	447.7	631.4
France	106.2	18.1	112.0	62.3	120.4
Germany	55.0	13.4	87.2	57.7	83.3
Italy	29.0	10.3	53.6	45.0	54.2
Netherlands	37.8	10.8	55.8	37.1	53.1
Sweden	–	0.8	–	–	8.9
United Kingdom	3.3	1.9	11.4	29.2	61.6
Middle East	–	–	–	–	–
Africa	211.0	209.2	–	–	–
Asia and Pacific	451.3	381.8	63.6	25.6	85.4
Japan	80.2	10.8	32.1	8.5	–
Unspecified	–	–	–	–	–
Total world	2,356.0	2,326.0	2,248.4	2,144.1	2,098.1

Notes: Exports include condensates.

Qatar	2004	2005	2006	2007	2008
North America	4.0	–	1.4	–	–
United States	3.9	–	1.4	–	–
Latin America	–	–	–	–	–
Eastern Europe	–	–	–	–	–
Western Europe	3.0	–	–	–	–
France	–	–	–	–	–
Germany	–	–	–	–	–
Italy	–	–	–	–	–
Netherlands	–	–	–	–	–
Middle East	–	–	–	–	–
Africa	–	130.3	–	–	–
Asia and Pacific	535.8	547.1	618.9	615.1	703.1
Japan	347.8	389.2	441.2	436.8	480.7
Thailand	–	–	–	–	–
Unspecified	–	–	–	–	–
Total world	542.7	677.3	620.3	615.1	703.1

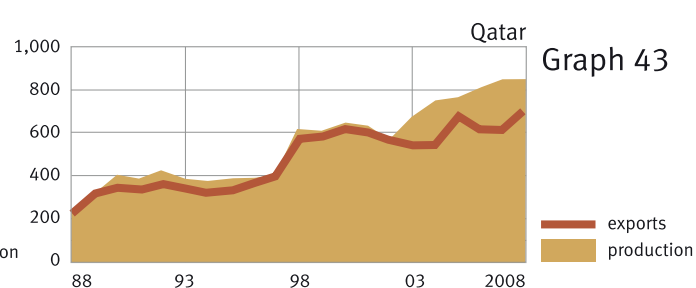
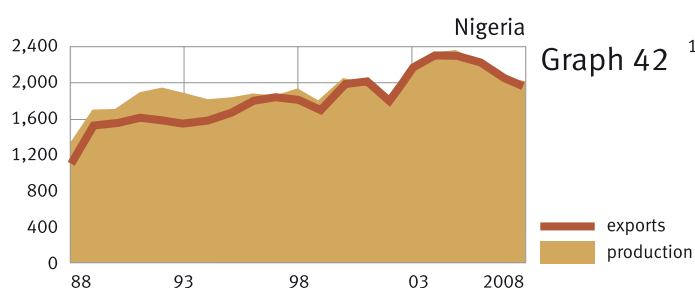


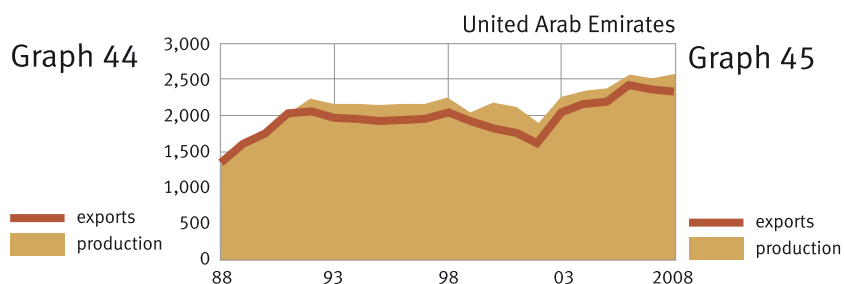
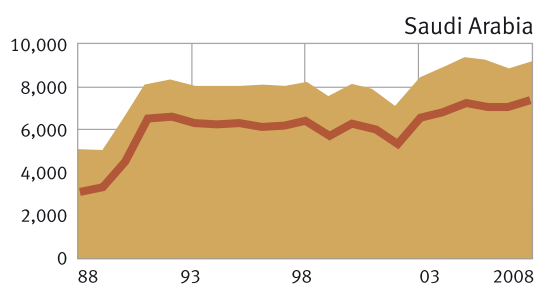
Table 51

Oil and gas data

OPEC Members' crude oil exports by destination, 2004–2008 (1,000 b/d)

Saudi Arabia	2004	2005	2006	2007	2008
North America	1,529.8	1,454.6	1,464.4	1,566.5	1,618.3
United States	1,515.7	1,309.1	1,398.0	1,528.5	1,506.0
Latin America	61.1	65.2	65.1	61.2	63.1
Eastern Europe	–	–	–	–	–
Western Europe	1,259.1	1,207.3	1,026.8	838.5	852.0
France	251.8	205.5	145.6	91.0	147.4
Germany	84.7	81.7	59.8	31.6	52.5
Italy	236.3	248.6	171.0	109.6	151.5
Netherlands	260.9	251.0	158.6	97.6	110.8
Spain	137.9	125.1	109.0	75.0	126.2
United Kingdom	65.7	23.8	0.1	–	–
Middle East	261.5	309.2	299.9	309.8	302.0
Africa	243.1	235.7	216.5	196.6	204.7
Asia and Pacific	3,458.4	3,936.9	3,956.6	3,989.5	4,281.7
Japan	1,016.8	2,451.9	2,535.9	2,209.9	1,136.1
Unspecified	–	–	–	–	–
Total world	6,813.1	7,208.9	7,029.4	6,962.1	7,321.7

United Arab Emirates	2004	2005	2006	2007	2008
North America	5.0	9.0	6.6	12.3	8.8
United States	4.7	9.0	6.1	4.2	4.0
Latin America	–	–	–	–	–
Eastern Europe	–	–	–	–	–
Western Europe	–	5.0	28.2	20.3	9.6
France	–	2.6	24.4	17.6	9.2
Germany	–	–	–	–	–
Italy	–	–	–	–	–
Netherlands	–	–	–	–	–
United Kingdom	–	1.8	3.7	2.7	–
Middle East	–	–	–	–	–
Africa	30.0	41.0	34.4	33.2	45.2
Asia and Pacific	2,137.0	2,140.0	2,351.1	2,276.9	2,270.9
Japan	1,047.7	1,508.2	1,626.8	1,575.4	956.0
Unspecified	–	–	–	–	–
Total world	2,172.0	2,195.0	2,420.3	2,342.7	2,334.4



OPEC Members' crude oil exports by destination, 2004–2008 (1,000 b/d)

Venezuela	2004	2005	2006	2007	2008
North America	1,106.0	914.3	943.2	1,166.0	730.2
Canada	51.3	26.9	19.3	28.3	2.0
United States	1,018.2	887.5	923.9	1,137.7	728.3
Latin America	391.6	510.8	674.7	650.0	824.5
Brazil	29.3	38.2	50.5	48.6	48.6
Chile	19.7	25.7	33.9	32.7	32.7
Jamaica	9.7	12.6	16.6	16.0	16.0
Netherland Antilles	70.5	91.9	121.4	116.9	380.1
Panama	6.2	8.1	10.7	10.3	0.6
Puerto Rico	10.8	14.1	18.7	18.0	0.2
Eastern Europe	–	–	–	–	–
Western Europe	63.4	109.9	208.3	176.5	119.3
France	–	–	11.4	0.6	–
Germany	15.7	19.7	28.5	26.6	38.7
Italy	–	–	0.8	0.4	0.8
Netherlands	–	–	21.9	11.8	25.4
Spain	9.1	11.4	64.9	25.5	41.0
United Kingdom	26.8	33.6	29.3	17.7	32.7
Middle East	–	–	–	–	–
Africa	–	–	4.3	9.2	–
Asia and Pacific	5.2	142.2	88.9	112.0	95.6
Japan	–	–	–	5.5	–
Unspecified	–	110.7	–	1.9	–
Total world	1,566.2	1,787.8	1,919.4	2,115.6	1,769.6

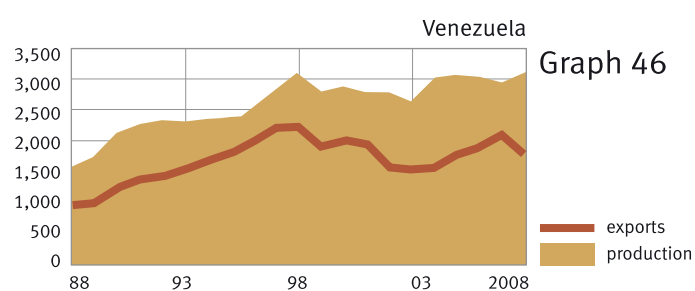


Table 52

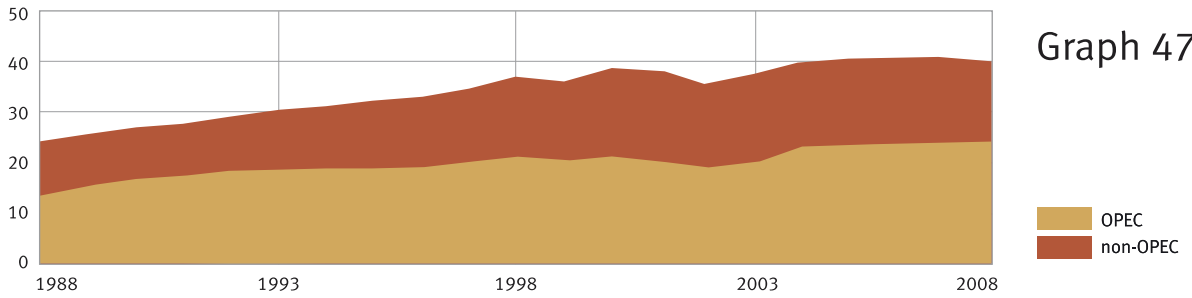
Oil and gas data

World crude oil exports by country, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
North America	1,375.9	1,378.2	1,393.4	1,422.1	1,554.1	9.3
Canada	1,355.5	1,357.9	1,372.8	1,401.2	1,525.4	8.9
United States	20.4	20.3	20.6	20.9	28.7	37.4
Latin America	4,605.7	4,739.1	4,900.2	4,727.2	4,378.8	-7.4
Columbia	227.6	231.2	233.8	243.6	246.1	1.0
Ecuador	373.7	380.0	376.3	341.7	348.4	2.0
Mexico	2,123.8	2,021.4	2,047.7	1,738.4	1,445.8	-16.8
Trinidad & Tobago	70.6	69.7	71.0	26.0	10.3	-60.3
Venezuela	1,566.2	1,787.8	1,919.4	2,115.6	1,769.6	-16.4
Others	243.9	249.1	252.1	261.9	558.6	113.3
Eastern Europe	4,827.0	5,344.4	5,542.7	5,878.7	5,658.2	-3.8
Former USSR	4,822.0	5,335.1	5,523.9	5,864.3	5,646.3	-3.7
Others	5.0	9.3	18.8	14.5	12.0	-17.2
Western Europe	4,354.8	3,740.1	3,443.2	3,222.2	2,785.6	-13.6
Norway	2,730.8	2,377.1	2,209.8	2,011.6	1,702.3	-15.4
United Kingdom	1,249.4	1,009.4	927.9	933.2	839.8	-10.0
Others	374.6	353.6	305.5	277.5	243.5	-12.3
Middle East	16,370.0	16,896.9	16,893.7	16,776.1	17,439.3	4.0
IR Iran	2,684.1	2,394.5	2,377.2	2,466.8	2,438.1	-1.2
Iraq	1,450.0	1,472.2	1,467.8	1,643.0	1,855.2	12.9
Kuwait	1,414.9	1,650.8	1,723.4	1,612.9	1,738.5	7.8
Oman	765.2	760.8	769.2	683.0	592.7	-13.2
Qatar	542.7	677.3	620.3	615.1	703.1	14.3
Saudi Arabia	6,813.1	7,208.9	7,029.4	6,962.1	7,321.7	5.2
Syrian Arab Republic	246.8	247.8	247.8	250.2	252.7	1.0
United Arab Emirates	2,172.0	2,195.0	2,420.3	2,342.7	2,334.4	-0.4
Others	281.3	289.6	238.3	200.2	202.9	1.4
Africa	6,380.3	6,481.5	6,582.9	6,883.2	6,343.9	-7.8
Algeria	893.2	970.3	947.2	1,253.5	840.9	-32.9
Angola	940.9	946.9	1,010.3	1,157.6	1,044.5	-9.8
Cameroon	94.0	95.3	97.4	98.9	99.3	0.5
Congo	215.2	236.6	237.5	239.3	240.2	0.4
Egypt	42.8	45.0	57.2	44.0	45.0	2.3
Gabon	202.2	202.0	203.8	207.1	208.7	0.7
SP Libyan AJ	1,284.5	1,306.3	1,425.6	1,377.8	1,403.4	1.9
Nigeria	2,356.0	2,326.0	2,248.4	2,144.1	2,098.1	-2.1
Others	351.5	353.3	355.6	360.8	363.9	0.8
Asia and Pacific	2,005.8	1,961.1	1,876.6	1,923.0	1,954.6	1.6
Australia	283.6	230.0	234.6	239.3	239.3	-
Brunei	188.9	198.9	200.7	204.3	206.1	0.9
China	109.4	161.2	125.8	76.1	77.1	1.3
Indonesia	412.7	374.4	301.3	319.3	294.1	-7.9
Malaysia	375.5	382.6	390.7	400.6	402.3	0.4
Vietnam	395.7	362.8	365.0	385.7	405.4	5.1
Others	240.1	251.2	258.7	297.8	330.3	10.9
Total world	39,919.5	40,541.3	40,632.7	40,832.6	40,114.4	-1.8
OPEC	22,903.9	23,690.3	23,866.8	24,352.2	24,189.9	-0.7
OPEC percentage	57.4	58.4	58.7	59.6	60.3	

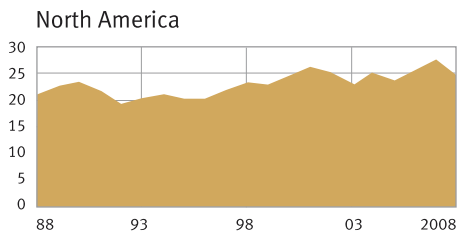
Notes: Revisions have been made throughout the time series. Data includes re-exports. Nigerian exports include condensates.

Crude oil exports, 1988–2008 (m b/d)

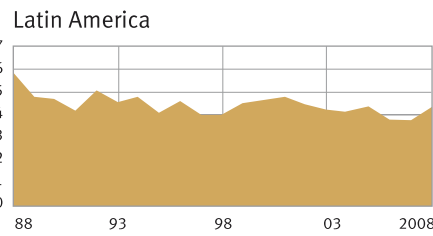


Graph 47

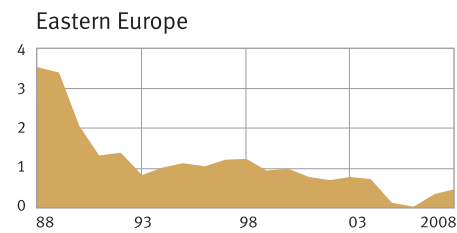
Percentage of OPEC crude oil exports to regions



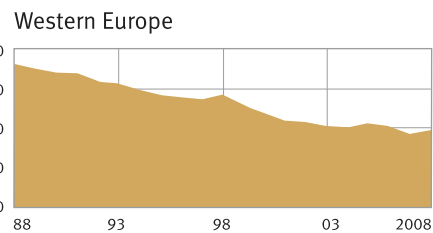
Graph 48



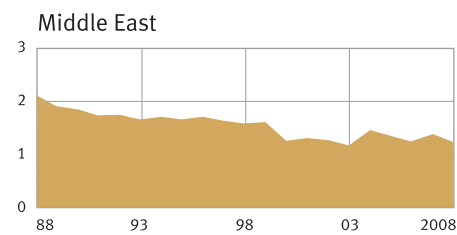
Graph 49



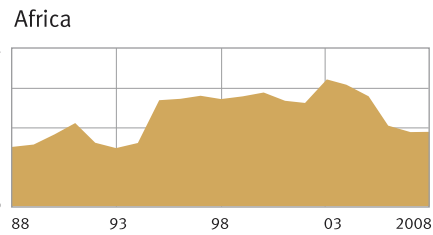
Graph 50



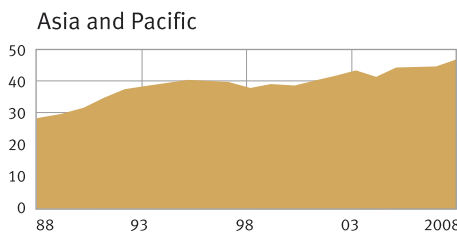
Graph 51



Graph 52



Graph 53



Graph 54

Table 53

Oil and gas data

OPEC refined product exports by destination, 2004–2008 (1,000 b/d)

Algeria	2004	2005	2006	2007	2008
North America	121.7	84.7	173.7	116.6	134.6
United States	121.7	84.7	171.9	114.4	125.8
Latin America	18.8	35.0	41.4	26.0	42.8
Eastern Europe	0.2	–	–	–	–
Western Europe	241.0	89.9	166.6	175.7	164.5
France	22.3	4.2	61.8	44.3	14.0
Italy	52.6	16.7	16.6	32.3	5.9
Netherlands	36.3	38.8	32.8	45.9	22.7
Spain	55.2	17.7	45.6	45.1	11.0
United Kingdom	7.3	4.1	–	0.7	5.1
Middle East	–	2.2	15.6	40.0	3.5
Africa	52.2	1.2	1.8	50.2	82.0
Asia and Pacific	12.1	6.2	34.2	27.3	29.3
Unspecified	–	232.8	1.6	15.5	–
Total world	446.0	451.9	435.1	451.3	456.7

Indonesia	2004	2005	2006	2007	2008
North America	4.5	2.3	10.9	9.7	6.7
United States	4.5	2.3	10.9	9.7	6.7
Latin America	–	–	–	–	–
Western Europe	13.4	1.5	0.4	1.4	0.3
Italy	8.1	–	–	–	–
Middle East	–	–	–	–	–
Africa	–	–	–	–	–
Asia and Pacific	125.6	98.4	214.4	95.8	72.1
Japan	73.8	80.6	175.0	73.0	56.7
South Korea	29.6	16.3	38.5	22.9	14.6
Singapore	–	–	–	–	–
Unspecified	–	40.1	–	–	–
Total world	143.5	142.3	225.7	106.9	260.8

OPEC refined product exports by destination, 2004–2008 (1,000 b/d)

Kuwait	2004	2005	2006	2007	2008
North America	30.9	53.8	28.6	22.0	11.2
United States	26.7	10.1	20.5	33.6	707.9
Latin America	–	–	–	–	–
Western Europe	88.6	119.9	181.9	236.7	194.7
Italy	–	–	–	–	23.8
Netherlands	5.4	–	–	–	24.8
United Kingdom	80.9	0.1	0.2	0.2	375.3
Middle East	–	–	–	–	–
Africa	–	–	–	–	–
Asia and Pacific	484.7	440.5	539.0	480.4	501.9
Australia	–	2.4	1.2	4.3	13.4
Japan	285.5	243.4	314.6	272.1	431.2
Unspecified	–	–	–	–	–
Total world	604.2	614.2	749.5	739.1	707.9

Saudi Arabia	2004	2005	2006	2007	2008
North America	61.0	50.8	36.2	30.2	16.0
Latin America	37.7	33.2	19.8	25.6	24.6
Western Europe	134.5	152.3	136.0	99.4	106.6
Middle East	141.8	155.5	197.3	167.2	155.2
Africa	101.1	113.4	123.8	124.1	135.4
Asia and Pacific	858.3	880.2	764.5	692.1	620.6
Unspecified	–	–	–	–	–
Total world	1,334.4	1,385.4	1,277.6	1,138.8	1,058.3

Venezuela	2004	2005	2006	2007	2008
North America	431.2	248.9	196.4	210.3	429.5
United States	384.3	239.7	194.0	196.8	407.0
Latin America	–	170.0	178.6	221.3	351.8
Western Europe	142.6	117.1	66.3	94.9	91.3
Italy	40.4	27.9	10.0	24.7	21.5
United Kingdom	2.3	11.7	9.8	10.4	3.9
Africa	–	7.5	5.7	9.1	11.9
Asia and Pacific	–	–	141.1	87.0	27.8
Japan	–	–	0.1	–	–
Unspecified	–	65.7	10.4	16.1	–
Total world	573.8	609.3	598.5	638.8	912.3

Table 54

Oil and gas data

World exports of refined products by country, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
North America	1,360.6	1,474.9	1,633.3	1,673.0	2,086.3	24.7
Canada	414.9	442.0	463.3	443.1	444.8	0.4
United States	945.6	1,032.8	1,169.8	1,229.8	1,641.4	33.5
Others	0.1	0.1	0.1	0.1	0.1	–
Latin America	2,013.8	2,060.0	2,129.8	2,199.4	2,410.3	9.6
Brazil	185.3	186.7	179.8	192.8	162.8	–15.6
Ecuador	27.6	19.7	34.5	40.0	42.2	5.6
Mexico	82.6	77.7	128.0	121.4	143.5	18.2
Netherland Antilles	214.5	219.6	224.2	229.6	231.5	0.8
Trinidad & Tobago	126.6	130.2	133.0	104.4	94.2	–9.8
Venezuela	573.8	609.3	598.5	638.8	912.3	42.8
Virgin Islands	395.2	402.7	410.3	419.0	421.3	0.5
Others	408.3	414.2	421.5	453.4	402.6	–11.2
Eastern Europe	2,098.2	2,076.1	2,113.5	2,015.4	1,455.0	–27.8
Romania	66.9	67.7	68.6	95.3	106.4	11.6
Former USSR	1,868.0	1,836.0	1,864.0	1,729.5	1,126.9	–34.8
Others	163.4	172.4	180.9	190.6	221.7	16.3
Western Europe	5,236.5	5,586.9	5,781.5	5,679.5	5,679.3	–
Belgium	452.1	456.6	432.4	429.5	400.3	–6.8
France	481.1	562.9	535.0	530.8	570.7	7.5
Germany	483.5	535.8	556.7	571.8	516.9	–9.6
Italy	469.6	550.2	501.6	584.8	527.4	–9.8
Netherlands	1,493.7	1,604.8	1,789.0	1,565.3	1,644.6	5.1
United Kingdom	625.3	615.5	579.5	611.1	560.8	–8.2
Others	1,231.3	1,261.2	1,387.3	1,386.4	1,458.5	5.2
Middle East	3,220.6	3,375.8	3,450.8	3,199.3	2,905.2	–9.2
Bahrain	243.2	253.0	246.3	253.2	237.9	–6.0
IR Iran	339.6	402.1	461.6	388.3	274.9	–29.2
Iraq	11.5	13.5	56.3	65.6	84.9	29.4
Kuwait	604.2	614.2	749.5	739.1	707.9	–4.2
Qatar	64.9	76.8	81.1	73.9	97.8	32.3
Saudi Arabia	1,334.4	1,385.4	1,277.6	1,138.8	1,058.3	–7.1
United Arab Emirates	503.6	509.0	452.8	407.7	304.4	–25.3
Others	119.3	121.9	125.6	132.7	139.1	4.8
Africa	1,032.8	1,019.7	1,025.8	1,077.0	1,020.5	–5.3
Algeria	446.0	451.9	435.1	451.3	456.7	1.2
Angola	13.6	13.9	14.2	26.6	20.7	–22.3
Egypt	82.6	73.7	68.4	64.7	67.0	3.6
Gabon	7.3	7.3	7.3	7.4	7.4	0.9
Nigeria	66.9	49.3	50.3	53.4	49.2	–8.0
SP Libyan AJ	161.5	162.5	183.1	198.4	156.7	–21.0
Others	255.0	261.1	267.5	275.2	262.8	–4.5
Asia and Pacific	3,487.5	3,673.4	3,910.3	4,262.9	5,113.5	20.0
Australia	139.1	96.9	84.3	63.9	50.2	–21.5
China	336.3	329.7	323.2	313.3	355.6	13.5
Indonesia	143.5	142.3	225.7	106.9	260.8	144.0
Japan	89.9	173.4	203.6	287.1	405.8	41.3
Malaysia	221.2	229.6	238.4	247.9	189.3	–23.7
Singapore	1,083.4	1,124.6	1,167.3	1,474.5	1,623.4	10.1
Others	1,474.1	1,576.8	1,667.7	1,769.3	2,228.5	26.0
Total world	18,450.2	19,266.8	20,045.0	20,106.7	20,669.9	2.8
OPEC	4,291.0	4,449.7	4,620.2	4,328.9	4,426.7	2.3
OPEC percentage	23.3	23.1	23.0	21.5	21.4	–0.5

Notes: Revisions have been made throughout the time series. Data includes re-exports of petroleum products from gas plants.

World natural gas exports by country, 2004–2008 (million standard cu m)

	2004	2005	2006	2007	2008*	% change 08/07
North America	126,336	124,800	121,060	129,500	130,949	1.1
Canada	102,100	104,200	99,750	107,100	103,300	-3.5
United States	24,236	20,600	21,310	22,400	27,649	23.4
Latin America	29,640	30,950	33,270	33,890	31,300	-7.6
Argentina	7,830	6,820	6,140	2,590	890	-65.6
Bolivia	7,910	10,400	10,800	11,700	11,790	0.8
Mexico		30	80	1,500	1,250	-16.7
Trinidad & Tobago	13,900	13,700	16,250	18,100	17,370	-4.0
Eastern Europe	158,200	163,900	164,170	162,500	165,210	1.7
Former USSR	158,200	163,900	164,170	162,500	165,210	1.7
Western Europe	156,620	160,960	168,590	169,240	185,190	9.4
Austria	700	700	330	100	-	-
Belgium	3,300	4,400	4,500	3,160	2,600	-17.7
Denmark	4,290	5,290	5,090	4,510	5,500	22.0
France	770	770	770	1,100	1,000	-9.1
Germany	12,500	15,100	14,730	14,100	14,980	6.2
Italy	60	400	370	70	210	200.0
Netherlands	48,400	46,300	48,600	50,400	55,100	9.3
Norway	74,600	78,300	84,000	85,400	95,250	11.5
United Kingdom	12,000	9,700	10,200	10,400	10,550	1.4
Middle East	46,447	49,934	57,534	70,172	79,484	13.3
IR Iran	3,560	4,735	5,727	6,023	4,246	-29.5
Oman	10,600	10,600	12,940	13,100	10,890	-16.9
Qatar	24,200	27,100	31,100	43,500	56,781	30.5
United Arab Emirates	8,087	7,499	7,767	7,549	7,567	0.2
Africa	75,727	92,166	106,561	110,047	115,918	5.3
Algeria	59,637	64,266	61,071	58,907	59,670	1.3
Egypt	1,100	8,230	16,900	15,700	16,930	7.8
Equatorial Guinea	-	-	-	1,430	5,170	261.5
SP Libyan AJ	1,200	5,400	8,410	9,960	10,400	4.4
Mozambique	1,190	2,270	2,600	2,850	3,200	12.3
Nigeria	12,600	12,000	17,580	21,200	20,548	-3.1
Asia and Pacific	95,800	100,700	101,040	104,590	102,579	-1.9
Australia	11,700	15,100	18,030	20,060	20,300	1.2
Brunei	9,500	9,300	9,810	9,400	9,200	-2.1
Indonesia	38,500	36,300	34,400	33,940	33,499	-1.3
Malaysia	28,600	31,100	29,820	31,290	31,030	-0.8
Myanmar	7,500	8,900	8,980	9,900	8,550	-13.6
Total world	688,770	723,410	752,225	779,939	810,630	3.9
OPEC	147,784	157,300	166,055	181,079	192,711	6.4
<i>OPEC percentage</i>	<i>21.5</i>	<i>21.7</i>	<i>22.1</i>	<i>23.2</i>	<i>23.8</i>	

Notes: Totals may not add up due to independent rounding.

Table 56

Oil and gas data

World imports of crude oil by country, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
North America	10,984.8	11,024.2	10,943.1	10,849.8	10,569.2	-2.6
Canada	896.8	898.2	825.1	832.8	815.8	-2.1
United States	10,088.0	10,126.0	10,118.0	10,017.0	9,753.4	-2.6
Latin America	1,952.4	1,936.7	1,949.7	1,943.7	1,922.4	-1.1
Brazil	412.6	419.6	426.8	391.8	371.9	-5.1
Chile	217.2	211.5	222.3	190.7	174.8	-8.3
Cuba	39.8	44.5	45.2	46.0	46.0	0.1
Netherlands Antilles	218.0	221.9	225.9	230.2	230.5	0.1
Puerto Rico	125.4	126.9	128.4	130.2	130.4	0.2
Virgin Islands	447.1	450.7	454.3	458.4	458.8	0.1
Others	492.3	461.5	446.8	496.4	510.0	2.7
Eastern Europe	1,013.5	1,096.9	1,173.2	1,205.6	1,141.0	-5.4
Bulgaria	113.9	123.8	142.1	142.7	134.0	-6.1
Former Czechoslovakia	129.3	155.3	155.8	144.3	162.6	12.7
Romania	150.3	177.4	179.1	175.8	172.8	-1.8
Former USSR	39.8	40.0	44.3	62.3	48.2	-22.7
Others	580.2	600.4	651.9	680.5	623.5	-8.4
Western Europe	12,117.6	12,035.0	11,815.0	11,682.7	11,623.6	-0.5
Belgium	692.7	645.4	636.8	665.7	681.1	2.3
France	1,736.6	1,722.3	1,670.6	1,646.0	1,682.4	2.2
Germany	2,250.8	2,301.3	2,246.5	2,189.8	2,152.7	-1.7
Greece	407.8	377.0	399.1	409.6	387.7	-5.4
Italy	1,746.7	1,804.6	1,752.8	1,775.8	1,650.8	-7.0
Netherlands	1,044.4	1,051.8	959.7	985.8	983.4	-0.2
Spain	1,178.3	1,189.2	1,207.5	1,149.7	1,165.5	1.4
Sweden	417.6	405.9	390.8	363.7	423.2	16.4
Turkey	480.6	470.3	484.3	472.7	440.2	-6.9
United Kingdom	1,150.8	1,078.2	1,048.7	1,028.8	1,062.0	3.2
Others	1,011.4	989.1	1,018.3	995.2	994.8	-
Middle East	504.6	507.0	510.5	514.6	647.5	25.8
Bahrain	226.1	227.3	228.4	229.7	212.1	-7.7
Syrian Arab Republic	-	-	-	-	-	-
Yemen	-	-	-	-	-	-
Others	278.5	279.8	282.1	284.9	435.4	52.8
Africa	871.8	911.9	892.0	914.8	931.7	1.9
Côte d'Ivoire	72.7	81.0	81.7	82.6	82.7	0.2
Kenya	41.3	35.8	36.6	37.5	37.5	-
Morocco	120.3	140.8	143.8	147.0	147.3	0.2
Others	637.6	654.3	629.9	647.6	664.2	2.6
Asia and Pacific	14,859.2	15,237.9	15,681.1	16,030.1	16,137.1	0.7
Australia	399.0	382.7	388.2	385.0	378.5	-1.7
India	1,935.7	2,052.6	2,207.0	2,412.3	2,552.8	5.8
Indonesia	255.1	341.5	289.6	298.3	260.8	-12.6
Japan	4,036.9	4,130.6	4,062.9	3,985.6	3,966.4	-0.5
New Zealand	92.8	94.7	94.6	92.5	100.8	8.9
Philippines	199.8	211.5	214.0	207.4	183.2	-11.7
Singapore	892.4	806.2	762.7	698.6	648.6	-7.2
South Korea	2,277.4	2,329.3	2,412.5	2,392.3	2,331.6	-2.5
Taiwan	1,004.5	1,045.8	999.2	964.8	909.4	-5.7
Thailand	860.4	826.8	828.1	801.1	810.7	1.2
Others	2,905.1	3,016.1	3,422.4	3,792.3	3,994.4	5.3
Total world	42,303.8	42,749.6	42,964.6	43,141.2	42,972.5	-0.4

Notes: Revisions have been made throughout the time series.

World imports of refined products by country, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008	% change 08/07
North America	2,502.0	2,914.1	2,754.8	2,713.1	2,432.8	-10.3
Canada	261.2	298.5	291.8	282.3	347.4	23.1
United States	2,236.3	2,610.9	2,458.2	2,425.9	2,080.4	-14.2
Others	4.5	4.6	4.8	5.0	5.0	0.1
Latin America	1,450.3	1,554.0	1,723.0	1,907.1	2,013.2	5.6
Brazil	215.7	222.1	261.3	320.1	343.5	7.3
Cuba	70.8	72.4	74.7	77.2	78.6	1.8
Mexico	307.1	382.1	394.7	408.0	477.7	17.1
Netherland Antilles	62.7	61.3	63.5	65.9	66.0	0.1
Panama	18.2	18.7	19.3	20.0	17.2	-13.8
Puerto Rico	102.5	105.2	108.1	111.2	106.3	-4.4
Others	673.4	692.1	801.3	904.8	924.0	2.1
Eastern Europe	372.4	398.9	418.2	397.7	352.8	-11.3
Bulgaria	30.0	36.3	37.6	34.1	30.2	-11.5
Former USSR	10.0	10.4	10.7	11.1	11.4	3.2
Hungary	35.1	42.4	44.1	47.3	44.8	-5.3
Poland	139.0	160.7	165.8	138.8	120.2	-13.4
Others	158.3	149.1	160.1	166.4	146.2	-12.1
Western Europe	5,572.2	6,118.5	6,444.3	5,984.0	6,142.3	2.6
Belgium	354.5	415.3	394.5	356.8	374.0	4.8
France	647.5	743.1	718.3	693.4	699.5	0.9
Germany	691.2	711.8	755.3	582.8	704.3	20.8
Italy	283.2	269.6	270.4	241.9	230.3	-4.8
Netherlands	1,174.6	1,340.9	1,555.7	1,368.1	1,459.2	6.7
United Kingdom	382.8	467.4	550.9	494.6	436.7	-11.7
Others	2,038.5	2,170.3	2,199.3	2,246.3	2,238.4	-0.4
Middle East	544.3	464.5	514.7	530.2	537.2	1.3
Syrian Arab Republic	21.7	20.5	21.2	22.0	20.7	-5.9
Others	522.7	443.9	493.4	508.3	516.5	1.6
Africa	725.3	773.7	805.0	843.3	791.8	-6.1
Egypt	68.6	75.9	82.1	67.8	68.8	1.5
Morocco	66.6	77.2	80.0	83.0	81.8	-1.4
Nigeria	173.6	154.3	154.8	171.3	129.3	-24.5
Senegal	15.4	23.9	24.6	25.3	25.3	0.1
Tunisia	66.2	63.8	65.7	67.8	67.8	0.1
Others	335.0	378.7	397.8	428.1	418.7	-2.2
Asia and Pacific	6,101.4	6,170.7	6,803.1	6,589.8	7,085.0	7.5
Australia	202.3	224.6	255.0	252.9	339.6	34.3
China	762.1	634.1	733.4	846.6	803.5	-5.1
Hong Kong	348.0	332.8	347.7	363.2	330.8	-8.9
India	192.8	244.4	343.4	389.1	408.1	4.9
Japan	1,343.8	1,323.7	1,385.9	954.2	933.5	-2.2
New Zealand	43.3	38.5	40.3	50.7	44.3	-12.5
Singapore	1,150.3	1,293.9	1,496.1	1,648.5	1,949.3	18.2
Others	2,058.8	2,078.7	2,201.5	2,084.6	2,275.9	9.2
Total world	17,268.0	18,394.3	19,463.2	18,965.2	19,355.1	2.1

Notes: Revisions have been made throughout the time series. Data includes petroleum products from gas plants.

Table 58

Oil and gas data

World imports of natural gas by country, 2004–2008 (*million standard cu m*)

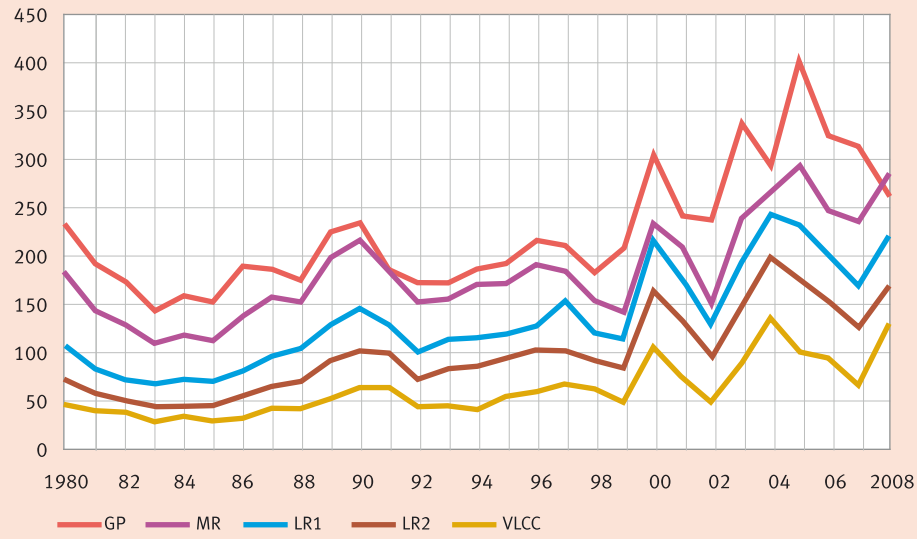
	2004	2005	2006	2007	2008*	% change 08/07
North America	131,800	132,634	126,390	144,150	129,300	-10.3
Canada	11,150	10,140	9,370	13,200	15,900	20.5
United States	120,650	122,494	117,020	130,950	113,400	-13.4
Latin America	27,730	26,680	28,700	26,220	28,180	7.5
Argentina	800	1,740	1,800	1,900	1,300	-31.6
Brazil	7,600	8,800	9,460	10,050	11,030	9.8
Chile	7,200	6,500	5,560	2,400	690	-71.3
Dominican Republic	130	250	250	250	480	92.0
Mexico	11,200	8,600	10,790	10,810	13,800	27.7
Puerto Rico	680	670	720	720	810	12.5
Uruguay	120	120	120	90	70	-22.2
Eastern Europe	51,390	51,690	53,400	47,240	47,450	0.4
Bulgaria	2,800	2,850	2,850	2,850	3,100	8.8
Estonia	970	970	970	970	630	-35.1
Former Czechoslovakia	15,930	15,880	16,160	14,220	14,200	-0.1
Hungary	11,000	10,800	11,670	10,500	11,430	8.9
Latvia	1,750	1,750	1,700	1,700	750	-55.9
Lithuania	2,930	2,930	2,900	2,900	3,090	6.6
Poland	9,810	10,210	10,900	9,300	9,750	4.8
Romania	6,200	6,300	6,250	4,800	4,500	-6.3
Western Europe	336,060	361,360	379,550	382,115	401,600	5.1
Austria	7,880	8,680	8,730	8,300	8,050	-3.0
Belgium	21,700	21,900	22,650	22,500	20,680	-8.1
Denmark	280	280	280	140	-	-
Finland	4,610	4,200	4,400	4,300	4,500	4.7
France	47,300	49,000	49,500	46,970	49,350	5.1
Germany	88,700	90,700	90,800	83,700	87,050	4.0
Greece	2,750	2,860	3,290	3,600	4,140	15.0
Ireland	3,350	3,050	4,000	4,160	5,000	20.2
Italy	67,700	73,600	77,300	73,950	76,750	3.8
Luxembourg	1,400	1,400	1,390	1,300	1,200	-7.7
Netherlands	15,300	17,300	18,500	18,480	17,900	-3.1
Portugal	3,560	4,200	4,200	4,320	4,500	4.2
Spain	27,400	33,400	34,700	35,250	39,400	11.8
Sweden	1,050	1,030	950	1,015	1,000	-1.5
Switzerland	2,770	2,840	2,800	2,780	3,300	18.7
Turkey	22,200	27,000	30,200	36,500	37,500	2.7
United Kingdom	13,400	15,100	21,060	30,050	36,450	21.3
Former Yugoslavia	4,710	4,820	4,800	4,800	4,830	0.6
Middle East	7,500	7,876	9,563	11,414	26,720	134.1
IR Iran	5,200	5,176	6,263	7,264	6,900	-5.0
Jordan	1,100	1,300	1,900	2,400	2,720	13.3
Oman	-	-	-	-	1,700	-
United Arab Emirates	1,200	1,400	1,400	1,750	15,400	780.0
Africa	2,490	3,570	3,900	4,150	4,450	7.2
South Africa	1,190	2,270	2,600	2,850	3,200	12.3
Tunisia	1,300	1,300	1,300	1,300	1,250	-3.8
Asia and Pacific	131,800	139,600	150,722	164,650	172,930	5.0
China	-	-	1,000	3,950	4,470	13.2
India	2,600	6,000	7,990	10,000	10,850	8.5
Japan	76,000	78,000	81,852	88,850	92,030	3.6
South Korea	29,800	30,500	34,100	34,500	36,700	6.4
Singapore	6,600	6,600	6,600	6,500	8,200	26.2
Taiwan	9,300	9,600	10,200	11,050	12,130	9.8
Thailand	7,500	8,900	8,980	9,800	8,550	-12.8
Total world	688,770	723,410	752,225	779,939	810,630	3.9
OPEC	6,400	6,576	7,663	9,014	22,300	147.4
<i>OPEC percentage</i>	<i>0.9</i>	<i>0.9</i>	<i>1.0</i>	<i>1.2</i>	<i>2.8</i>	

Notes: Since joining the EU in 2004, Estonia, Latvia and Lithuania are listed separately and not included under FSU.

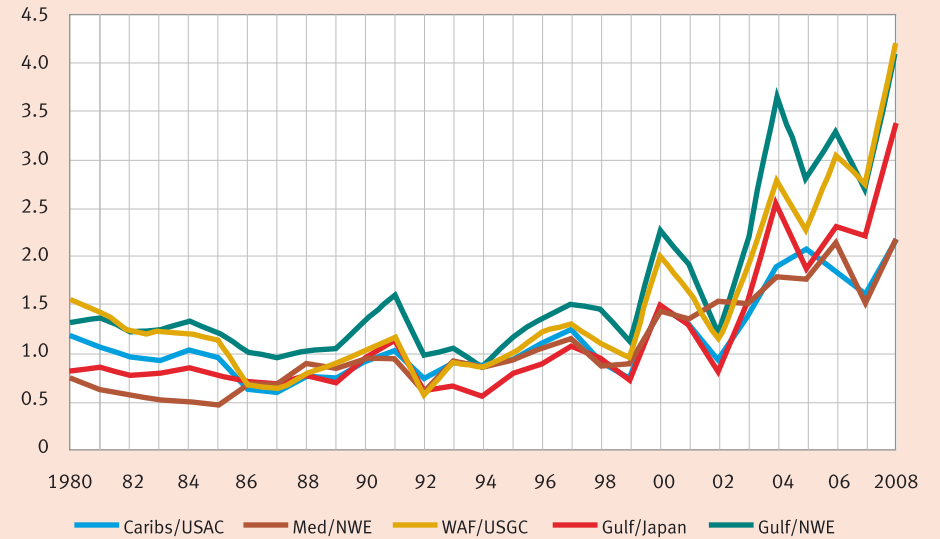
Transportation



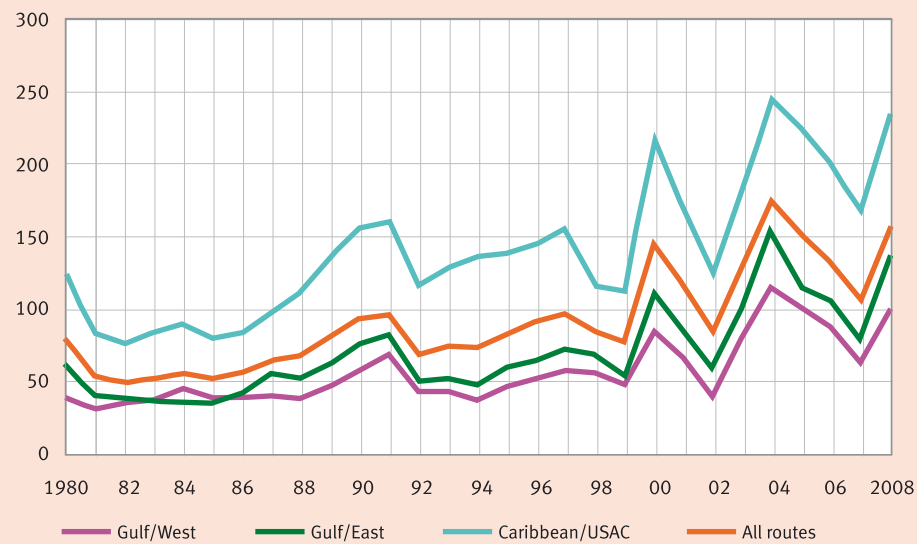
Spot freight rates for AFRA sizes
(% of Worldscale)



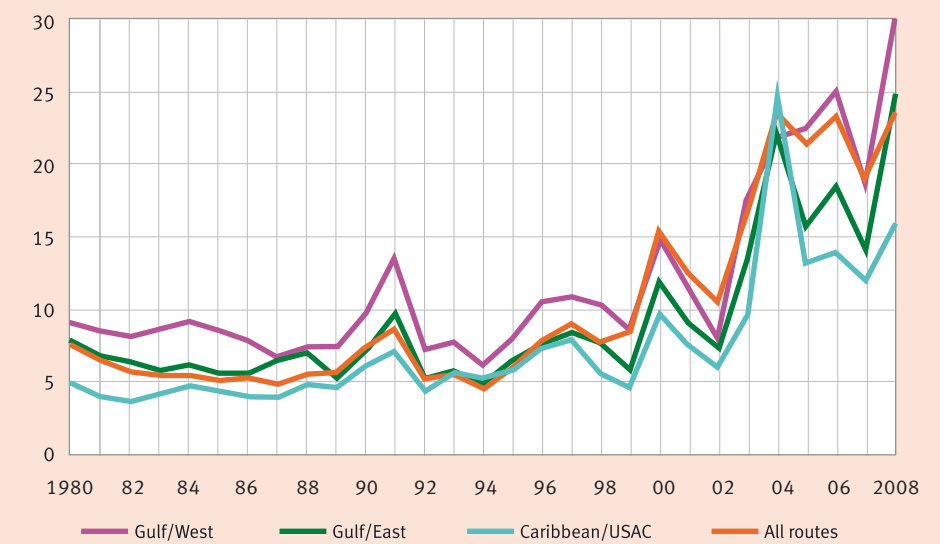
Spot freight costs for major routes
(\$/b)



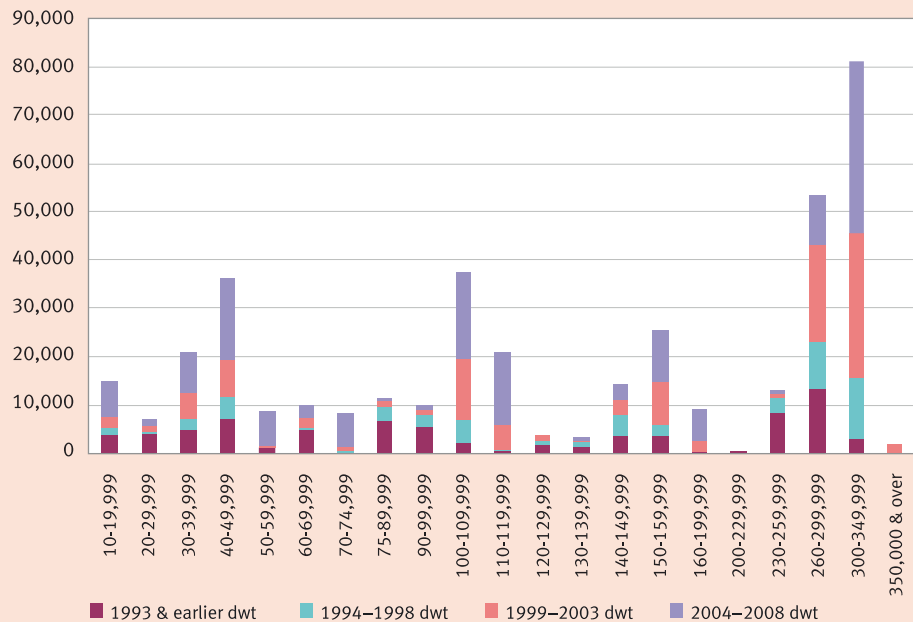
Spot tanker freight rates for all sizes
(% of Worldscale)



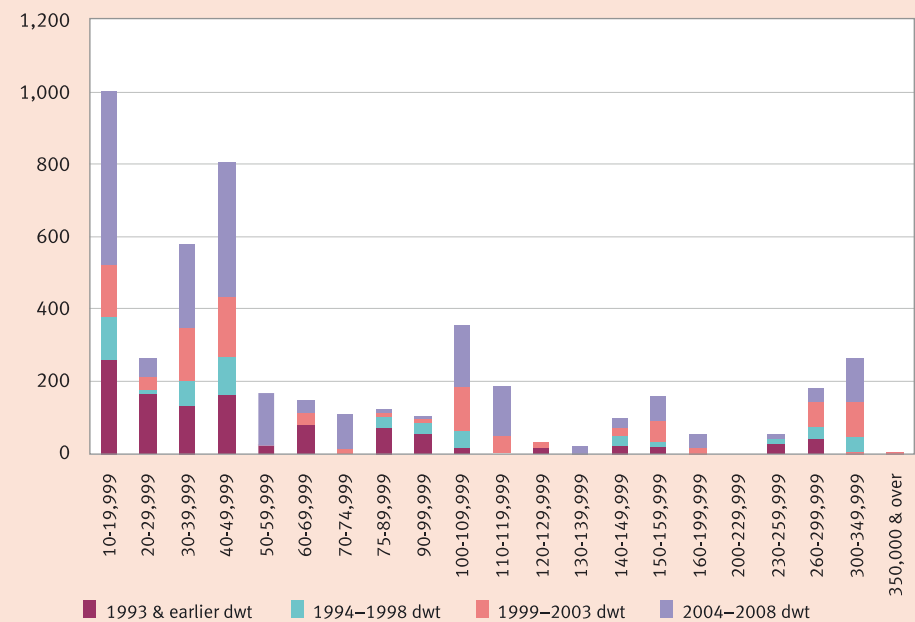
Spot tanker freight costs for all sizes
(\$/tonne)



World tanker fleet by age — 10,000 dwt and over
(dwt k/tonnes)



World tanker fleet by age — 10,000 dwt and over
(number of vessels)



Tanker fleet development in OPEC Members, 2004–2008 (1,000 dwt)

	2004		2005		2006		2007		2008	
	number	dwt	number	dwt	number	dwt	number	dwt	number	dwt
Algeria	1	23	1	23	1	23	1	23	5	331
Angola	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	8	269
Indonesia	29	994	29	994	29	994	40	1,368	40	1,368
IR Iran	32	6,050	32	6,050	32	6,050	29	6,202	42	9,560
Iraq	1	37	1	37	1	37	1	37	2	26
Kuwait	22	3,176	19	2,941	18	2,802	22	3,241	21	3,113
SP Libyan AJ	6	275	6	275	6	275	8	627	8	627
Nigeria	2	409	2	409	2	409	2	409	2	409
Qatar	6	438	6	438	6	438	6	528	6	528
Saudi Arabia	19	1,721	19	1,721	41	10,055	41	10,055	46	10,483
United Arab Emirates	7	275	9	400	6	218	6	218	13	660
Venezuela	21	1,348	21	1,348	21	1,348	21	1,348	16	1,091
OPEC	146	14,746	145	14,636	163	22,649	177	24,056	209	28,465
Total world	3,670	318,116.7	3,892	340,213.6	4,177	359,618	4,418	375,591.0	4,825	398,196.0
<i>OPEC percentage</i>		4.6		4.3		6.3		6.4		7.1

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Total world includes commercial units and government-owned vessels.

Table 60

World tanker fleet by age, 2008 (1,000 dwt)

	up to 1993		1994–1998		1999–2003		2004–2008		Total	
	no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
10,000–19,999	265	3,988.3	118	1,666.5	147	2,273.0	471	6,980.3	1,001	14,908.0
20,000–29,999	171	4,678.1	14	400.2	32	761.0	47	1,167.3	264	7,006.5
30,000–39,999	139	5,055.4	68	2,399.1	149	5,280.1	223	8,117.7	579	20,852.3
40,000–49,999	169	7,379.1	104	4,687.7	168	7,629.6	363	16,564.3	804	36,260.7
50,000–59,999	29	1,564.3	1	55.2	1	59.7	134	6,857.9	165	8,537.1
60,000–69,999	80	5,234.7	8	543.3	29	1,958.8	31	2,012.5	148	9,749.3
70,000–74,999	5	344.6	1	37.0	16	1,112.6	90	6,619.6	111	8,113.8
75,000–89,999	96	8,627.9	30	2,807.2	33	2,725.0	92	6,807.6	250	20,967.7
90,000–99,999	62	5,867.8	27	2,600.2	11	1,026.0	2	188.0	102	9,682.0
100,000–109,999	24	2,506.4	44	4,657.5	122	12,892.5	165	17,389.3	355	37,445.7
110,000–119,999	8	894.6	2	220.5	46	5,190.5	128	14,531.9	184	20,837.5
120,000–129,999	16	2,003.5	7	878.2	6	756.4	na	na	29	3,638.2
130,000–139,999	12	1,636.8	7	937.6	2	274.1	1	137.5	22	2,986.0
140,000–149,999	27	3,947.6	29	4,299.0	21	3,097.9	19	2,795.8	96	14,140.3
150,000–159,999	25	3,860.5	15	2,312.4	57	8,941.7	64	10,030.0	161	25,144.5
160,000–199,999	2	352.1	na	na	16	2,611.5	35	5,822.1	53	8,785.7
200,000–229,999	1	214.9	na	na	na	na	na	na	1	214.9
230,000–259,999	34	8,613.7	12	3,109.8	4	1,040.0	1	259.8	51	13,023.3
260,000–299,999	48	13,606.5	34	9,851.6	68	19,968.9	33	9,764.5	183	53,191.5
300,000–349,999	11	3,337.1	42	12,747.3	97	29,813.1	113	35,044.9	263	80,942.3
350,000 and over	na	na	na	na	4	1,769.4	na	na	4	1,769.4
Total world	1,223	83,713.7	562	54,210.4	1,028	109,181.7	2,012	151,090.9	4,825	398,196.7

Notes: Figures as at year-end. Totals may not add up due to independent rounding. World tanker fleet includes commercial vessels of 10,000 dwt and over owned by independent oil companies as well as government institutions.

Table 61

Transportation

World liquid gas carrier fleet by size and type, 2008 (1,000 cu m)

	no	LPG capacity	no	LPG capacity	no	LPG capacity
up to 999	66	45.0	–	–	66	45.0
1,000–1,999	276	398.0	–	–	276	398.0
2,000–4,999	281	928.0	2	23.0	283	951.0
5,000–9,999	177	1,196.0	2	23.0	179	1,219.0
10,000–19,999	61	832.0	5	57.0	66	889.0
20,000–39,999	77	2,299.0	5	149.2	82	2,448.2
40,000–59,999	24	1,360.0	6	252.9	30	1,612.9
60,000–99,999	114	8,974.0	17	1,307.1	131	10,281.1
100,000 and over	–	–	217	30,125.5	217	30,125.5
Total world	1,076	16,032.0	254	31,937.7	1,330	47,969.7

Notes: Figures as at year-end. Totals may not add up due to independent rounding.

Table 62

Liquid gas carrier fleet in OPEC Members, 2008 (1,000 cu m)

	no	LPG capacity	no	LNG capacity	no	Total capacity
Algeria	11	395.0	9	1,067.0	20	1,462.0
Angola	–	–	–	–	–	–
Ecuador	6	22.9	–	–	6	22.9
Indonesia	4	174.4	–	–	4	174.4
IR Iran	1	12.1	–	–	1	12.1
Iraq	–	–	–	–	–	–
Kuwait	4	215.2	–	–	4	321.3
SP Libyan AJ	2	7.9	–	–	2	7.9
Nigeria	–	–	25	3,741.0	25	3,741.0
Qatar	4	328.0	28	3,658.0	32	3,986.0
Saudi Arabia	–	–	–	–	–	–
United Arab Emirates	1	3.2	8	1,096.0	9	1,099.2
Venezuela	2	23.6	–	–	2	23.6
OPEC	35	1,182.3	70	9,562.0	105	10,850.4
Total world	1,076	16,032.0	254	31,937.7	1,330	47,969.7
<i>OPEC percentage</i>		7.4		29.5		22.4

Notes: Figures as at year-end. Totals may not add up due to independent rounding. LNG vessels for the UAE are registered under the Liberian flag. Nigerian vessels are registered under Bahama and Bermuda flags.

World combined carrier fleet by size, 2004–2008 (1,000 dwt)

	2004		2005		2006		2007		2008	
	no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
10,000–19,999	1	15.2	1	15.2	1	15.2	2	28.4	2	28.4
20,000–29,999	1	26.4	1	26.4	1	26.4	1	26.4	1	26.4
30,000–39,999	–	–	–	–	–	–	–	–	–	–
40,000–49,999	9	418.8	9	418.8	9	418.8	9	418.8	8	375.3
50,000–59,999	9	489.7	9	489.7	8	436.1	7	381.5	3	163.5
60,000–69,999	5	326.4	5	326.4	5	326.4	5	326.4	2	132.5
70,000–79,999	18	1,356.8	15	1,110.4	15	1,110.4	16	1,211.6	5	375.4
80,000–99,999	21	1,388.3	28	2,333.8	31	2,631.2	33	2,809.1	7	608.4
100,000–124,999	15	1,905.2	25	2,578.6	16	1,667.0	15	1,670.3	14	1,487.6
125,000–159,999	24	2,739.4	8	1,143.3	3	365.5	–	–	4	487.3
160,000–199,999	9	1,517.9	9	1,517.9	16	2,526.0	14	2,257.1	1	164.1
200,000–249,999	–	–	–	–	–	–	–	–	–	–
250,000–319,999	5	1,523.9	4	1,233.1	4	1,233.1	4	1,233.1	–	–
Total world	117	11,708.1	114	11,193.7	109	10,756.2	106	10,362.8	46	3,848.9

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Vessels of 10,000 dwt and over.

Table 64

World laid-up tanker and combined carrier tonnage by size, 2004–2008 (1,000 dwt)

	2004		2005		2006		2007		2008	
	no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
up to 44,999	4	80.0	4	100.0	4	100.0	5	100.0	1	200.0
45,000–79,999	–	–	–	–	–	–	–	–	–	–
80,000–159,999	–	–	–	–	–	–	–	–	–	–
160,000–199,999	–	–	–	–	–	–	–	–	–	–
200,000–319,999	1	–	–	–	–	–	–	–	–	–
320,000 and over	–	–	–	–	–	–	–	–	–	–
Total world	5	400.0	4	100.0	4	100.0	5	100.0	1	200.0

Notes: Figures as at year-end.

Table 65

Transportation

Average spot freight rates for all routes, 1999–2008 (percentage of *Worldscale*)

		GP 16.5–24.9	MR 25.0–44.9	LR1 45.0–79.9	LR2 80.0–159.9	VLCC 160.0–319.9
1999		208.2	141.7	114.2	83.8	49.3
2000		306.6	234.8	217.7	164.0	106.9
2001		241.6	209.2	175.9	133.9	74.4
2002		236.5	150.0	129.2	95.6	48.1
2003		338.2	240.3	193.3	147.7	90.0
2004		292.9	266.4	243.9	199.5	137.6
2005		404.4	294.4	232.8	174.7	100.8
2006		324.2	246.7	200.8	153.0	95.4
2007		313.2	235.6	169.3	125.2	66.2
2008		263.6	283.4	219.9	167.7	128.9
2006	Jan	401.4	368.6	242.4	222.6	118.2
	Feb	330.5	240.8	225.9	164.6	125.0
	Mar	342.8	252.5	200.9	148.0	100.9
	Apr	280.1	210.8	165.3	124.4	72.7
	May	253.9	190.4	175.2	131.4	62.5
	Jun	321.2	220.8	190.3	130.8	83.1
	Jul	353.6	266.3	207.3	156.1	104.8
	Aug	342.4	260.3	210.1	159.7	116.6
	Sep	311.2	264.5	201.2	171.0	115.6
	Oct	290.3	234.8	191.0	154.5	102.5
	Nov	364.4	239.2	207.8	136.4	75.8
	Dec	298.6	211.4	192.1	136.0	66.7
2007	Jan	273.3	251.0	197.2	161.5	60.6
	Feb	340.1	247.8	190.9	144.5	65.8
	Mar	289.1	213.0	166.9	117.1	70.5
	Apr	336.2	253.0	171.8	144.5	78.4
	May	351.3	263.5	189.6	134.4	62.4
	Jun	371.3	255.2	154.4	110.9	72.5
	Jul	333.1	250.8	161.7	117.1	61.8
	Aug	334.2	254.0	130.5	97.9	52.2
	Sep	217.7	185.0	128.3	90.1	53.1
	Oct	239.3	193.6	134.8	99.9	52.2
	Nov	311.2	204.3	165.8	124.0	60.2
	Dec	362.0	256.3	240.1	160.2	104.4
2008	Jan	240.8	265.3	194.0	151.1	130.7
	Feb	225.5	223.7	158.0	118.7	105.8
	Mar	231.6	244.3	184.5	156.7	116.7
	Apr	271.9	256.1	212.2	178.6	126.8
	May	323.2	281.1	244.1	223.2	187.0
	Jun	342.2	342.4	273.1	205.7	179.3
	Jul	289.1	331.2	276.9	259.2	196.3
	Aug	307.8	327.0	257.9	162.7	114.2
	Sep	310.8	340.6	251.1	157.9	114.4
	Oct	228.7	309.0	228.5	143.5	105.2
	Nov	196.2	251.3	171.9	121.1	81.3
	Dec	195.5	229.0	186.8	133.4	88.9

Notes: GP = general purpose; MR = medium range; LR1 = large range 1; LR2 = large range 2; VLCC = very large crude carrier. Tanker sizes are in 1,000 dwt. Average spot freight rates are the average of all spot freight rates by tanker size reported each month in the spot market.

Freight costs in the spot market, 1999–2008 (\$/b)

		Crude oil					Petroleum products			
		Carib/USAC	Med/NWE	WAF/USGC	Gulf/Japan	Gulf/NWE	Gulf/Japan	Med/Med	Carib/USAC	S'pore/Japan
1999		0.75	0.88	0.95	0.71	1.11	1.98	0.59	0.92	1.16
2000		1.49	1.44	2.01	1.50	2.27	3.03	0.84	1.35	1.84
2001		1.29	1.35	1.62	1.28	1.91	3.55	0.99	1.43	2.12
2002		0.93	1.53	1.12	0.80	1.18	2.54	0.69	0.98	1.42
2003		1.37	1.51	1.88	1.52	2.16	3.24	0.96	1.22	1.83
2004		1.89	1.79	2.79	2.56	3.66	3.65	1.21	1.69	2.20
2005		2.07	1.76	2.27	1.86	2.79	4.99	1.31	1.69	2.86
2006		1.85	2.15	3.05	2.31	3.30	6.22	1.36	1.96	3.62
2007		1.60	1.51	2.74	2.20	2.68	4.44	1.76	2.49	2.82
2008		2.15	2.15	4.17	3.35	4.06	6.45	2.56	2.94	3.37
2006	Jan	3.15	3.58	4.20	2.77	3.96	10.01	2.15	2.76	4.93
	Feb	1.83	2.72	3.04	2.89	3.80	8.47	1.80	2.11	4.99
	Mar	1.51	2.49	2.77	2.34	3.40	4.64	1.22	1.97	3.23
	Apr	1.74	1.28	3.33	1.70	2.81	4.01	1.16	1.71	2.66
	May	1.79	1.73	3.10	1.40	2.49	5.98	1.44	1.83	3.86
	Jun	1.87	1.52	3.04	1.89	3.09	5.94	1.17	1.78	3.45
	Jul	1.82	2.54	3.00	3.24	3.76	4.56	1.41	2.15	3.03
	Aug	1.83	2.55	3.00	3.12	3.80	6.69	1.39	2.22	3.99
	Sep	1.79	2.34	3.37	2.72	3.76	7.07	1.25	1.79	4.30
	Oct	1.58	2.02	2.73	2.46	3.44	6.10	1.09	1.70	3.70
	Nov	1.59	1.52	2.57	1.70	2.77	3.65	1.17	1.47	2.32
	Dec	1.73	1.53	2.51	1.44	2.53	7.50	1.11	2.06	3.00
2007	Jan	1.68	2.19	2.86	1.76	2.15	4.58	1.81	2.49	3.39
	Feb	2.01	1.29	2.98	1.77	2.10	3.92	1.93	2.70	2.35
	Mar	1.74	1.66	2.70	2.40	2.92	4.46	2.04	3.37	2.43
	Apr	1.50	1.66	3.05	1.75	2.33	4.23	2.11	2.90	2.35
	May	1.59	1.29	2.48	2.32	2.73	4.63	2.21	2.74	3.09
	Jun	1.34	1.16	2.53	1.89	2.55	4.17	1.97	3.01	2.70
	Jul	1.55	1.26	2.24	1.56	1.97	4.52	1.49	2.54	2.93
	Aug	1.03	0.98	1.86	1.43	1.91	4.64	1.23	1.99	2.91
	Sep	1.12	1.08	1.81	1.45	1.85	4.20	1.05	1.71	2.84
	Oct	1.33	1.59	2.19	1.49	1.90	3.83	1.23	1.77	2.53
	Nov	1.46	1.63	2.80	2.33	2.92	4.14	1.99	2.11	2.46
	Dec	2.87	2.28	5.35	6.22	6.86	5.93	2.05	2.50	3.84
2008	Jan	1.99	2.00	3.48	3.83	4.85	5.80	1.97	2.62	3.23
	Feb	1.41	1.52	2.93	3.11	3.69	4.59	1.86	2.68	2.57
	Mar	2.13	2.37	4.01	2.93	3.69	4.63	2.01	2.67	2.73
	Apr	2.16	2.83	4.57	3.15	3.63	4.28	2.64	2.91	2.46
	May	2.67	2.92	5.75	5.04	5.63	4.97	2.98	3.63	2.62
	Jun	2.82	2.51	4.85	4.95	5.71	8.10	3.68	3.82	3.57
	Jul	2.29	2.90	6.40	5.78	5.92	7.78	2.88	3.76	4.12
	Aug	2.28	1.87	4.03	2.27	3.66	9.40	2.51	3.65	4.29
	Sep	2.52	1.87	3.89	2.94	3.78	9.10	3.07	3.26	4.49
	Oct	1.88	1.64	3.65	2.58	3.54	8.48	2.69	2.28	4.53
	Nov	1.20	1.24	3.07	1.73	2.46	6.21	2.21	2.01	3.19
	Dec	2.44	2.15	3.44	1.89	2.20	4.11	2.25	2.03	2.60

Notes: Carib = Caribbean; USAC = US Atlantic Coast; Med = Mediterranean; NWE = north-west Europe; WAF = West Africa; USGC = US Gulf Coast; S'pore = Singapore. Freight costs are based on the weighted averages of spot freight rates in the typical size range.

Table 67

Transportation

Spot tanker freight rates for all sizes, 1999–2008

		Gulf/West		Gulf/East		Caribbean/USAC		all routes	
		% of Worldscale	equivalent \$/t	% of Worldscale	equivalent \$/t	% of Worldscale	equivalent \$/t	% of Worldscale	equivalent \$/t
1999		49	8.57	56	5.81	113	4.62	78	8.48
2000		86	15.00	112	12.05	217	9.83	146	15.46
2001		67	11.69	85	9.16	170	7.68	116	12.56
2002		40	7.99	60	7.25	125	6.10	85	10.48
2003		82	17.60	102	13.38	182	9.61	128	16.46
2004		116	21.88	155	22.35	245	24.99	175	23.61
2005		102	22.49	116	15.59	225	13.16	151	21.31
2006		89	25.06	106	18.59	203	13.98	134	23.34
2007		63	18.64	79	14.00	169	11.98	107	18.87
2008		99	30	136	25	233	16	156	23
2006	Jan	102	28.66	133	23.24	246	16.92	178	31.06
	Feb	101	28.38	142	24.81	234	16.10	157	27.40
	Mar	106	29.79	112	19.57	189	13.00	136	23.73
	Apr	81	22.76	79	13.80	168	11.56	111	19.37
	May	72	20.23	72	12.58	190	13.07	109	19.02
	Jun	77	21.64	88	15.37	199	13.69	116	20.24
	Jul	93	26.13	114	19.92	208	14.31	140	24.43
	Aug	96	26.98	132	23.06	208	14.31	146	25.48
	Sep	99	27.82	137	23.93	187	12.87	150	26.18
	Oct	102	28.66	112	19.57	198	13.62	134	23.38
	Nov	77	21.64	81	14.15	197	13.55	115	20.07
	Dec	64	17.98	75	13.10	214	14.72	113	19.72
2007	Jan	66	19.40	65	11.56	206	14.58	118	20.89
	Feb	66	19.40	70	12.45	190	13.45	114	20.18
	Mar	65	19.11	82	14.58	195	13.81	110	19.47
	Apr	69	20.29	97	17.25	168	11.89	119	21.06
	May	71	20.87	70	12.45	186	13.17	111	19.65
	Jun	69	20.29	86	15.29	147	10.41	100	17.70
	Jul	68	19.99	79	14.05	152	10.76	103	18.23
	Aug	51	14.99	67	11.91	132	9.35	84	14.87
	Sep	55	16.17	69	12.27	118	8.35	82	14.51
	Oct	45	13.23	66	11.73	129	9.13	88	15.58
	Nov	49	14.41	69	12.27	170	12.04	102	18.05
	Dec	87	25.58	125	22.23	238	16.85	148	26.20
2008	Jan	118	35.53	156	28.10	215	14.56	163	26.06
	Feb	90	27.07	126	22.79	153	10.37	123	20.07
	Mar	90	27.04	119	21.51	231	15.62	147	21.39
	Apr	89	26.59	128	23.10	234	15.85	150	21.85
	May	138	41.29	204	36.92	290	19.60	211	32.61
	Jun	139	41.87	201	36.27	305	20.65	215	32.93
	Jul	144	43.36	235	42.40	248	16.79	209	34.18
	Aug	89	26.80	92	16.62	247	16.69	143	20.03
	Sep	92	27.74	119	21.58	274	18.51	162	22.61
	Oct	86	25.91	105	18.90	204	13.80	132	19.54
	Nov	60	18.03	70	12.66	130	8.80	87	13.17
	Dec	54	16.16	77	13.88	265	17.88	132	15.97

Notes: The above rates are calculated from all spot fixtures reported during the month for each route.

Crude oil pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Algeria			
Beni Mensour/Algiers	Sonatrach/TRC	89	20
Haoud El Hamra/Arzew	Sonatrach/TRC	498/510	28/34
Haoud El Hamra/Béjaia	Sonatrach/TRC	415	24/22
Haoud El Hamra/Skikda	Sonatrach/TRC	401	34
El Borma/Mesdar	Sonatrach/TRC	169	20
Hassi Berkine/Haoud El Hamra	Sonatrach/TRC	363	30
In Aménas/Algerian-Tunisian border	Sonatrach/TRC	165	24
In Aménas/Haoud El Hamra	Sonatrach/TRC	391	30
Mesdar/Haoud El Hamra	Sonatrach/TRC	67	26
R Baguel/Mesdar	Sonatrach/TRC	19	20
Angola			
East Kokongo/Malongo terminal	Chevron	39	24
Essungo/Lombo East terminal	Texpan	50	16
GS-N/Malongo terminal	Chevron	21	30
OBP1/Malongo terminal	Total	14	16
Ecuador			
Lago Agrio/Esmeraldas	Transpecuador (state)	305	26/20/26
Lago Agrio/Esmeraldas	Pesados Ecuador SA (private)	301	24/36
Indonesia			
Bangko/Dumai terminal	Caltex	47	30
Ukui field/Buatan Stat	Pt Stanvac	65	9
Melahin/SBM operating area	Unocal	2 x 6	30
Prabumulih/Plaju	Pertamina	57	24
Temano Stanvac area/Plaju	Asamera Conoco Phillips	265	8
Jene/Jirak	Pt Stanvac	28	8
Handil field/Senipah SBM	Total Indonesia	21	20/26
Bekapai field/Senipah SBM	Total Indonesia	32	12/16
Minas area/Dury tank farm	Caltex	37, 23	26, 30, 30
Iran			
Maron/Isfahan	NIOC	702	30/32
Ahwaz/Rey	NIOC	457	30/26
Isfahan/Rey	NIOC	599	24
Maile 40/Abadan	NIOC	166	12
Maile 40/Khordoragh	NIOC	69	16
Neka/Sari	NIOC	60	16/32
Rey/Tabriz	NIOC	1,246	16
Sari/Rey	NIOC	456	30/32
Tang-e-Fani/Kermanshah	NIOC	353	16
Iraq			
Kirkuk/Salaheldien	OPC	84	26
Baiji/Daura	OPC	213	12/16
East Baghdad/Daura	OPC	60	16
Nafut Khana/Daura	OPC	130	12
Zubair/Najebia Electrics	OPC	34	18/14
Others	OPC	231	17
Kuwait			
Mina/berth	KOC	15	48
North pier/beth	KOC	12, 9, 11	3 x 56
Bunker line/berth	KOC	15, 15	20, 24

Table 68

Transportation

Crude oil pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
SP Libyan AJ			
Ora-Beda gathering/Aseida gathering	Harouge	136	24
Amal/Ras Lanuf	Harouge	2 x 273	36/30
Aseida gathering/Ras Lanuf	Harouge	88	30
Asharara/Az-Zawiyah	Akakus	727	30
Asharara/Mellitah	Mellitah Oil and Gas	727	30
Bahi Gathering/Es-Sider	Waha Oil	71	30
Bahi Gathering/Es-Sider (parallel)	Waha Oil	71	30
Bu-Attifel/Intesar (103A)	Mellitah Oil and Gas	133	30
Dahra/Bahi gathering	Waha Oil	69	30
Dor Marada/Ora	Harouge	82	10
El-Feel/Asharara	Mellitah Oil and Gas	75	24
Faregh/Gialo	Waha Oil	65	12
Gialo/Waha	Waha Oil	152	30
Hamada/Az-Zawiyah	Arabian Oil	387	18
Hofra/Aseida gathering	Harouge	57	24
Intisar (A103)/Azzuwaytinah	Zuetina	220	40
Magid/Nafoora	Arabian Oil	105	14
Messla/Amal	Arabian Oil	206	42
Nafoora/Amal	Arabian Oil	52	32
Nasser/Al-Brayqah	Sirte	172	36
Raguba/Nasser Al-Brayqah line	Sirte	88	20
Rimal/Bu-Attifel	Mellitah Oil and Gas	76	12
Sabah/Zella	Zuetina	91	16
Samah/Dahra	Waha Oil	184	32
Sarir/Tobruk	Arabian Oil	513	34
Waha/Samah	Waha Oil	64	24
Waha/Zaggut	Waha Oil	43	24
Zaggut/Es-Sider	Waha Oil	267	24
Zaggut/Samah	Waha Oil	35	24
Zella/Hofra	Zuetina	113	20
Nigeria			
Escravos/Warri	NNPC	38	24
Warri/Kaduna	NNPC	383	16
Nkpoku/Bomu	Shell	29	24
Pennington/export terminal	Texaco	31	7/11/30
North Apoi/export berth	Texaco	16	13/30
Funiwa/export terminal	Texaco	16	18/30
Rumuekpe/Bonny terminal	Shell	2 x 67	28, 20/24
Alkiri/Bonny terminal	Shell	21	24
Rumuekpe/Npoku	Shell	22	20
Nembe Creek/Cawthorne channel	Shell	51	24/28
Bonny terminal/offshore platform	Shell	17	48
Kwale/Ogoda	Agip/NNPC	50	10/14
Rumuekpe/Ogoda	Agip/NNPC	14	14
Ogoda/Brass offshore terminal	Agip/NNPC	79	24/36
Azuzuma/Tebidaba	Agip/NNPC	22	12
Clough Creek/Tebidaba	Agip/NNPC	32	10
Tebidaba/Brass manifold	Agip/NNPC	28	18
Obama/Brass manifold	Agip/NNPC	16	18
Brass manifold/Brass offshore terminal	Agip/NNPC	23	24/36
Izombe/Ebocha	Ashland	16	10
Akam/Antan	Ashland	14	10
Parabe and Meji/Valve platform	Gulf	28, 10	8, 20
Makarba and Abiteye/Escravos	Gulf	15, 7	16, 26

Crude oil pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Nigeria (cont'd)			
Escravos/SBM	Gulf	15	26/42
Escravos/Warri	Gulf	420	24
Etim/Idoho	Mobil	16	13/14
Utue Ekpe/Idoho	Mobil	20, 28	16, 16/20
Idoho/Qit	Mobil	13	24
Qatar			
DP1/Halul island	Total	40	2 x 12
DP2/Halul island	Total	40	20
GIP/PS3/20" Mol line	QPQL	10	10
Mile 32/storage tanks/Messaieed	QP	36	20
Mile 42/storage tanks/Messaieed	QP	26	24
Mile 52/storage tanks/Messaieed	QP	16	16
PS1/Halul island	QPQL	20/12	20/12
PS2/Halul island	QP	16	14
PS3/Halul island	QP	44	20
Umm Bab station/M32	QP	14	16
Saudi Arabia			
Abqaiq/Yanbu Cot	Saudi Aramco	748	56
Abqaiq/Qatif	Saudi Aramco	44	30/32
Abqaiq/Qatif	Saudi Aramco	44	46/48
Abqaiq/Qatif	Saudi Aramco	43	30
Abqaiq/Qatif	Saudi Aramco	3 x 43	3 x (40/42)
Abqaiq/Dhahran	Saudi Aramco	39/2 x 38	3 x 14
Abu Ali/Berri	Saudi Aramco	49	30/32/34/36
Aindar-1/Abqaiq	Saudi Aramco	28	20/22
Aindar-1/Abqaiq	Saudi Aramco	28	24/26/28
Aindar-1/Abqaiq	Saudi Aramco	28	24/26/30/32
AY-1 KP 1131/pump station-1	Saudi Aramco	15	56
AY-1L KP 65.628/Rabigh	Saudi Aramco	90	36
Berri/Ras Tanura	Saudi Aramco	37	40/42
Dharan PS/Bapco	Saudi Aramco	40	12/18/20/22
Fazran-1/Aindar-2	Saudi Aramco	15	12
Haradh-1/Abqaiq	Saudi Aramco	111	18/20/24/30/31
Haradh-1/Abqaiq	Saudi Aramco	110	46/48
Haradh-3/Abqaiq	Saudi Aramco	134	36/40/42
Hawtah FCC/Hawtah Stabilizer	Saudi Aramco	206	24
Juaymah Terminal/Ras Tanura	Saudi Aramco	13	46/48
Khobar Valves/Bapco	Saudi Aramco	26	12
Khurais PS3/Riyadh	Saudi Aramco	88	26
Khurais-1/Khurais-3	Saudi Aramco	19	20/24
Khursaniyah PS/Ras Tanura	Saudi Aramco	67/65/63	30/(40/42)/22
Khursaniyah PS/KRT corridor km 191	Saudi Aramco	53	40/42/48
Km 50/Qatif junction	Saudi Aramco	31	46/48
New Qatif Gosp-2/Qatif North Gosp-1	Saudi Aramco	16	28
Qatif/Qaisumah PS	Saudi Aramco	270	30/31
Qatif/Jumayah	Saudi Aramco	3 x 24	48/(2 x 46/48)
Qatif/Ras Tanura	Saudi Aramco	19	40/42
Qatif junction/Ras Tanura	Saudi Aramco	18/3 x 17	46/48/(2 x 40/42)/34/36
Qatif North Gosp-1/Ras Tanura	Saudi Aramco	15	30
Safaniyah PS/Juaymah	Saudi Aramco	123	46/48
Safaniyah PS/ Khursaniyah	Saudi Aramco	4 x 66	30/2 x (40/42)/48/22
Shaybah Gosp-2/Abqaiq	Saudi Aramco	397	46
Tufaih/Jubail	Saudi Aramco	15	30

Table 68

Transportation

Crude oil pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Saudi Arabia (<i>cont'd</i>)			
UA-1 km 49/Abqaiq plants	Saudi Aramco	30	30/38/40
UA-1 km 78/Abqaiq plants	Saudi Aramco	47	34/36
Wafra field/Mina Saud (Al-Zour)	SAC	3 x 31	10/20/2016
Saudi-Kuwaiti Neutral Zone			
Wafra field/Mina Saud	SAC	3 x 31	10, 16, 20
Wafra field/Mina Abdullah	KOC	3 x 33	8 x 24
United Arab Emirates			
Murban/Jabel Dhanna	ADCO	3 x 71	24, 36, 36
Umm Shaif/Das Island	ADMA	21	36
Lower Zakum/Das Island	ADMA	57	30
Upper Zakum/Zirku Island	ZADCO	40	42
Venezuela			
<i>Western:</i>			
PT Bachaquero/Puerto Miranda	PDVSA	2 x 66	30
T Puerto Miranda/T Cardon	PDVSA	141	30
T Pta de Palmas/Puerto Miranda	PDVSA	42	24
PT Ulé (línea 1 and 2)/T Amuay	PDVSA	2 x 143	26
PT Lagunillas	PDVSA	26	34
<i>Eastern:</i>			
PT Travieso/P La Cruz	PDVSA	2 x 97, 1 x 62	16, 26, 30
PT Oficina/P La Cruz	PDVSA	97	30
PT Oficina/PT Anaco	PDVSA	34	16
PT Anaco/P La Cruz	PDVSA	62	16
PT Temblador/T Caripito	PDVSA	88	36
PT Morichal/T Pta Cuchillo	PDVSA	45	24
PT JUS-2/T Caripito	PDVSA	47	20
PT Las Palmas/P La Cruz	PDVSA	101	16
<i>South:</i>			
PT Silvestre/EI Palito	PDVSA	213	20
EP Mata Larga/PT Silvestre	PDVSA	165	20
<i>Others:</i>			
PT Morichal/PT Oficina	Bitor	92	36
PT Oficina/T Jose	Bitor	68	26/36
PT Zuata/T Jose	Petrozuata	122	36
T Jose/PT Zuata	Petrozuata	122	20
T Jose/PT Cerro Negro	O CerroNegro	211	20
PT Cerro Negro/T Jose	O CerroNegro	211	30/42
Ctro Operativo Bare/PT Oficina	Ameriven	33	30, 20

Notes: Figures as at year-end.

Gas pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Algeria			
<i>North network</i>			
Hassi R'Mel/Arzew	Sonatrach/TRC	316	20/24
Hassi R'Mel/Arzew (GZ1-GZ3)	Sonatrach/TRC	3 x 315	40, 40, 42
Hassi R'Mel/Skikda	Sonatrach/TRC	715	40/42
Hassi R'Mel/Qued Safsaf (Tunisian border)	Sonatrach/TRC	1,025	48
Hassi R'Mel/Iseer	Sonatrach/TRC	272	42
Hassi R'Mel/El Aricha (Moroccan border)	Sonatrach/TRC	324	48
<i>South network</i>			
Alae/Hassi R'Mel	Sonatrach/TRC	1,194	40, 48
Angola			
	–	–	–
Ecuador			
Amistad/Válvula de Playa	EDC Ecuador Ltd	42	13
Indonesia			
Grissik/Duri	PGN	536	28
West Natuna/Singapore	Gulf, Premier Oil, Conoco	656	28
West Natuna/Malaysia	Conoco	96	18
South Sumatra/Singapore	PGN	482	28
Arun field/Lhokseumawe	Pertamina	31	42
Rantau field/Besitang North Sumatra	Pertamina	48	18
P Brandan/Wampu North Sumatra	Pertamina	52	18
Prabumulih field/Pupuk Sriwidjaya	Pertamina	97	14/20
Prabumulih field/Pagardewa South Sumatra	Pertamina	63	20
Pagerungan field/ORF Grissik, East Java	PT Trans Java Pipeline	440	20
Badak field/Pupuk East Kalimantan	Pertamina	69	36
Senglang field/PLTG Sengkang, Sulawati	Pertamina	30	28
IR Iran			
Bid Boland/Qom/Qazvin/Rasht/Astara	NIGC	686	42/40
Asaluyeh/Kangan/Kazeroun/Noorabad/Pataveh	NIGC	277	56
Asaluyeh/Parsiyan/Isfahan/Kooh Namak	NIGC	913	56
Kooh Namak/Tehran	NIGC	2 x 70	30, 36
Kangan/Ghazvin/Tabriz/Bazargan (Igat 2)	NIGC	1078	56/48/40
Sarakhs/Mashad	NIGC	77, 83	16, 36
Sarakhs/Neka/Rasht	NIGC	732	36/30
Bid Boland/Shiraz	NIGC	171	16
Sarkhun/Bandar Abbas/Kerman	NIGC	344	24/20
Qeshm/Bandar Abbas	NIGC	44	12
Shiraz/Fasa	NIGC	71	16
Boroujerd/Khoramabad	NIGC	66	16
Mobarakeh/Yazd	NIGC	198	20/24
Kangan/Kazeroun (Igat 3)	NIGC	150	56
Asaluyeh/Saveh	NIGC	576	56
Saveh/Tehran	NIGC	75, 65	30, 36
Calvand/Tabriz	NIGC	172	30
Tabriz/Meyabdoab	NIGC	95	20
Neizar/Arak/Hamedan	NIGC	290	36/30
Omideh/Mahshahr	NIGC	44	30
Iraq			
North Gas/Baiji	OPC	90	24
Baiji-K3/Al Kaem	OPC	268	16
Baiji/Al Mushraq	OPC	131	18
North Gas Co/K1	OPC	21	18
North Gas Co/Taji	OPC	272	16
Taji/South Baghdad PWR St	OPC	35	18
Strategy/Kabesa Cement	OPC	24	10
Strategy/Hilla PWR St	OPC	45	16

Table 69

Transportation

Gas pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Iraq (cont'd)			
Strategy/Najaf PWR St	OPC	23	16
North Rumeila/Khor Al-Zubair	OPC	54	42
Khor Al-Zubair/Hartha PWR St	OPC	48	24
Rumeila/Nasriyaha	OPC	134	24
Trans-Iraq/Nasriyaha	OPC	292	42
Kuwait			
Well/Facility	KOC/Contractor	16 x 7	6 x 7
SP Libyan AJ			
Wafa/Mellitah	Mellitah Oil and Gas	525	32
Bahr Assalam/Mellitah	Mellitah Oil and Gas	110	36
Mellitah/Gelta (Italy)	Green Stream	540	32
Intesar (103A)/Brega	Zueitina	207	42
103D/103A	Zueitina	26	40
Bu-Attifel/Intesar (103A)	Mellitah Oil and Gas	133	34
Bouri/Bahr Assalam	Mellitah Oil and Gas	20	10
Waha/Nasser	Waha	110	24
Faregh/Intesar (103A)	Waha	110	24
Brega/Benghazi	Sirte Oil	247	34
Brega/Khoms	Sirte Oil	644	34
Khoms/Tripoli	Sirte Oil	110	34
Tripoli/Mellitah	Sirte Oil	115	34
Nasser/Brega	Sirte Oil	172	36
Attahaddy/km-91.5	Sirte Oil	25	30
Km-81.5/Brega	Sirte Oil	82	30
Raguba/km-110	Sirte Oil	88	20
Intesar (103A)/Sahel	Sirte Oil	80	30
Sahel/km-81.5	Sirte Oil	49	30
Km-91.5/Brega	Sirte Oil	92	36
Jakhira/Intesar (103A)	Wintershall	80	20
Nigeria			
Sapele/Ajaokuta	NGC	27	10/18
Escravos/Lagos	NGC	248	20/24/28/36
Oben/Ajaokuta Steel	NGC	122	24
Eriemu/Aladja	NGC	21	16
Rumuji/Bonny	NLNG	54	36
Oben/Sapele	NGC	22	18
Soku/Rumuji	NLNG	26	28
Bomu/Afam	NGC	2 x 6	8, 10
Alakiri/Ikot-Abasi	NGC	69	14/16/24
Qatar			
Ras Laffan/Abu Dhabi (UAE)	Dolphin Energy	230	48
Umm Said/Fahahil reinject compression	QGPC	56	20
Umm Said/Point 'B' power station	QGPC	28, 29, 29	30, 24, 24
Idd El Sharghi/Umm Said	QGPC	75	24
Fahail/Point 'B' plant	QGPC	28	24
Point 'B'/Umm Said	QGPC	28	24
Point 'B'/power station	QGPC	29	18
Dukhan/Messaied	QGPC	60	24/16/20
Saudi Arabia			
Abqaiq/Yanbu	Saudi Aramco	741	48
Pump Station and A47/Yanbu	Saudi Aramco	600	42/48/56
UBTG-1 km 0/Berri	Saudi Aramco	155	56
UBTG-1 km 0/Berri	Saudi Aramco	154	36/38/40/42
UBTG-1 km 56/AY-1 KP 916	Saudi Aramco	152	56

Gas pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Saudi Arabia (cont'd)			
UBTG-1 km 0/Juanyamah	Saudi Aramco	127	28/30/38/40
Safaniah PS/Juanyamah	Saudi Aramco	123	40
AY-1 KP 943/Riyadh	Saudi Aramco	95	48
Tanajib/Berri	Saudi Aramco	90	30
Haradh/Uthmaniya	Saudi Aramco	87	48
Abqaiq/Berri	Saudi Aramco	85	24/36
Haradh-3/Uthmaniya	Saudi Aramco	77	24/32
UA-1 km 199/Uthmaniya	Saudi Aramco	62	24/32
Juaymah/Jubail	Saudi Aramco	35	30/38/40
UBTG-1 km 0/UBTG-1 km 56	Saudi Aramco	35	48
UBTG-1 km 0/UBTG-1 km 56	Saudi Aramco	35	40
Hawiyah/UBTG-1 km 0	Saudi Aramco	35	56
Abqaiq-B/Shedgum	Saudi Aramco	33	42
Waqr Khuff/Haradh	Saudi Aramco	31	30
Hawiyah/Uthmaniyah	Saudi Aramco	29	32
Qatif North/Berri	Saudi Aramco	28	32
Haradh Khuff/Hawiyah	Saudi Aramco	27	30
Haradh Khuff/Hawiyah	Saudi Aramco	27	30
Haradh Khuff/Hawiyah	Saudi Aramco	27	30
Tinat Kuff/Haradh	Saudi Aramco	27	20
Abu Ali/Berri	Saudi Aramco	26	32
Berri/Abu Ali	Saudi Aramco	2 x 24	8/10"
Aindar/Shedgum	Saudi Aramco	21	12
Depco/Abqaiq	Saudi Aramco	20	40
Uthmaniyah/Uthmaniyah	Saudi Aramco	19	30
UBTG-1 km 1.6/UHWGT-1 km 29.6576	Saudi Aramco	18	14
Abqaiq/Abqaiq	Saudi Aramco	18	20/22/24
Uthmaniah/Uthmaniyah	Saudi Aramco	16	10/12
New Qatif/Qatif	Saudi Aramco	16	28
Yanbu/Yanbu	Saudi Aramco	15	24/30/32/36
Shedgum/Uthmaniyah	Saudi Aramco	15	42
Shedgum/Shedgum	Saudi Aramco	14	36
United Arab Emirates			
Habshan/Maqta	ADNOC	81	42
Bab/Maqta	ADNOC	83	30
Bab/Ruwais	ADNOC	68	30
Maqta/Taweelah	ADNOC	2 x 33	24, 36
Maqta/AI Ain	ADNOC	100	30
Murgam/Jabel Ali	Dubai-Government	47	24
Sajaa/Sharjah	Emmarat	27	18/6/4
Venezuela			
Anaco/Barquisimeto	PDVSA Gas	1,375	26
Anaco/Pto Ordaz	PDVSA Gas	382	36
Anaco/Pto La Cruz	PDVSA Gas	188	36
San Joaquin Station/Buena Vista	PDVSA Gas	2	–
San Joaquin Station/Buena Vista	PDVSA Gas	2	–
Guario/Cadafe Anaco	PDVSA Gas	1	12
La Toscana/San Vicente	PDVSA Gas	8	20
Um-2 (EF Um-2)/Mamo Valves	Petrodelta	63	12
Morichal (EPM-1)/Morichal (EDVMOR)	PDVSA	20	16
Muscar/SOTO	PDVSA	72	26
Santa Barbara/Aguasay 5A	PDVSA	41	36
Compresorl/Jusepin	PDVSA	15	16
Quiriquire (QE-2)/Jusepin	PDVSA	32	20
Moron a/Rio Seco	PDVSA	186	168, 30
Ule b/Amuay	PDVSA	143	20, 16
San Genaro/Obispo	Repsol-YPF	27	12

Table 70

Transportation

Refined product pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Algeria			
Alger/Blida	Naftal	30	10
Skikda/Khroub	Naftal	56	12
Arzew/Sidi Bel Abbès	Naftal	45	12
Sidi Bel Abbès/Sidi Abdeli	Naftal	32	10
Sidi Abdeli/Remchi	Naftal	14	8
Arzew/Oran	Naftal	19	8
Skikda/Khroub	Naftal	57	10
Arzew/Sidi Bel Abbès	Naftal	45	10
Sidi Bel Abbès/Tlemcen	Naftal	44	8
Angola			
	–	–	–
Ecuador			
Esmeraldas/Santo Domingo	Petrocomercial	101	16
Santo Domingo/Beaterio (Quito)	Petrocomercial	54	12
Santo Domingo/Pascuales (Guayaquil)	Petrocomercial	170	10
Libertad/Barbasquilo/Guayaquil	Petrocomercial	104	6
Libertad/Pascuales (Guayaquil)	Petrocomercial	78	10
Shushufindi/Beaterio (Quito)	Petrocomercial	187	6
Shushufindi/Ambato	Petrocomercial	69	6
Indonesia			
Cilacap/Tasikmalaya	Pertamina	2 x 128	1
Tasikmalaya/Ujungberung	Pertamina	2 x 95	10/16
Ujungberung/Padlarang	Pertamina	35	10
Cilacap/Maos	Pertamina	2 x 21	10, 12
Maos/Teras	Pertamina	2 x 210	8/12
IR Iran			
Abadan/Ahwaz	NIOC	94	16, 12
Mahshahr/Abadan	NIOC	73, 68, 63	13, 26, 16
Ahwaz/Rey	NIOC	469	16/20/16
Ahwaz/Azna/Rey	NIOC	510	10/14/10
Isfahan/Rey	NIOC	2 x 231	18, 24
Arak/Rey	NIOC	160	16/18
Rey/Sari	NIOC	180	16/12
Rey/Kan	NIOC	21	12
Rey/Ghouchak	NIOC	20	12
Rey/Karaj	NIOC	36	8
Rey/Mashad	NIOC	523	20 /22
Shahrud/Mashad	NIOC	275	8
Rey/Ghazvin/Rasht	NIOC	195	18/16/14
Rey/Tabriz	NIOC	476	14
Tabriz/Miandoab/Orumie	NIOC	175	10/18
Shahrud/Gorgan/Gonabad	NIOC	74	8/10
Imam Taghi/Torbat Heidarieh	NIOC	58	8
Arak/Hamedan	NIOC	112	12
Bandar Abbas/Isfahan	NIOC	620	14/16/22
Isfahan/Rafsanjan/Kerman	NIOC	406	16/14
Tang-e-Fani/Kermanshah	NIOC	137	10/16
Shazand/Rey	NIOC	175	10/16
Bandar Anzali/Rasht	NIOC	26	16

Refined product pipelines in OPEC Members, 2008

	Owner or operator	Length (miles)	Diameter (inches)
Iraq			
Huzairan depot/Cement Al Tamem	OPC	42	6
Basrah refinery/Hartha & Najibia electric stations	OPC	30/4	12/8
Basrah refinery/Zubair (export)	OPC	45	2x10x3, 16x10, 24x32
Shuaiba/Muftia	OPC	21/21	10
Duara refinery/Duara power station	OPC	13	8
Baiji refinery/Baiji power station	OPC	7	8
Baiji/HamamAlil	OPC	167	16
Hamam Alil/Felfel	OPC	65	32
Baiji/Kirkuk	OPC	86	12
Baiji/T1	OPC	242	16
Baiji/Mushahdah	OPC	168	22
Mushahdah/Karkh	OPC	111	12
Mushahdah/Rusafa	OPC	52	12
Duara/Rusafa	OPC	51	10
Rusafa/Diala	OPC	25	8
Daura/Shuaiba	OPC	540	10
Shuaiba/Khour Al-Zubair	OPC	45/26/25	8/10
Shuaiba/Khour Al-Zubair	OPC	47/66/17	8/10
Shuaiba/Muftia	OPC	21	10
Shuaiba/Muftia	OPC	21	6
Shuaiba/Muftia	OPC	21	8
Nasuriyaha/Kut	OPC	186	8
Daura/Baghdad International Airport	OPC	28	8
Huzairan depot/Baiji	OPC	98	12 x 2, 16 x 69
Karkh /Habania	OPC	156	16 x 31, 12 x 125
North gas/petrochemicals in Al-Musaiab	OPC	350	8
North gas/Taji	OPC	279	8
Kirkuk/Taji	OPC	893	14
Khor Al-Zubair/Taji	OPC	614	14
Zubair/refrigeration storage	OPC	3 x 22	8/12/10
North Rumela/Zubair NGL	OPC	52	10
Kuwait			
Ahmadi/Subhan	KNPC	2 x 20	8,12
Ahmadi/Al Zour Doha	KNPC	52	18/16
Ahmadi/airport	KNPC	25	8
Shuaiba/airport	KNPC	22	8
Shuaiba/local marketing	KNPC	2 x 22	10, 12
SP Libyan AJ			
Azzawya/Alfateh	Elbrega Co	55	16
Azzawya/Alfateh	Elbrega Co	55	10
Azzawya/Janzour	Elbrega Co	34	8
Azzawya/Elwettia	Elbrega Co	90	16
Azzawya/Eljmail	Elbrega Co	65	16

Table 70

Transportation

Refined product pipelines in OPEC Members, 2008

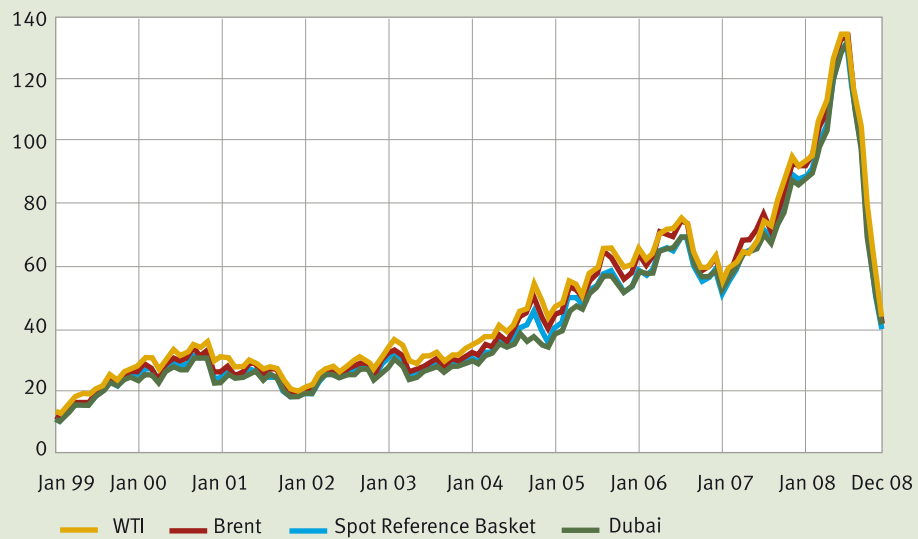
	Owner or operator	Length (miles)	Diameter (inches)
Nigeria			
<i>System 2A:</i>			
Warri/Benin/Ore/Mosimi	NNPC/PPMC	219	16/14/12
Benin/Auchi	NNPC/PPMC	104	8
<i>System 2B:</i>			
Atlas Cove/Mosimi	NNPC/PPMC	46	16
Mosimi/Ibadan	NNPC/PPMC	49	12
Mosimi/Ilorin	NNPC/PPMC	105	6
Mosimi/Ikeja	NNPC/PPMC	31	8
<i>System 2D:</i>			
Kaduna/Kanol/Gusau	NNPC/PPMC	223	10/6
Kaduna/Jos/Gombe-Maiduguri	NNPC/PPMC	452	10/12/6/8
<i>System 2E:</i>			
Port Harcourt/Enugu/Makurdi	NNPC/PPMC	657	20/6/8
Enugu/Auchi	NNPC/PPMC	99	12
Qatar			
Mesaieed/Doha	QP Refinery	27	12
QP refinery/Export berth	QP Refinery	2 x 4	16, 20
Saudi Arabia			
Dharan/Riyadh	Saudi Aramco	153	20
Riyadh/Qasim	Saudi Aramco	137	16
Yanbu/Madina	Saudi Aramco	58	14
Ras Tanura/Dhahran	Saudi Aramco	41	20
Ras Tanura/Dhahran	Saudi Aramco	2 x 14	12, 12
Abqaiq/Alhasa	Saudi Aramco	25	8
United Arab Emirates			
Abu Dhabi Refinery/AI Ain	ADNOC-Distribution	104	12
Abu Dhabi Refinery/Abu Dhabi Airport	ADNOC-Distribution	11	10
Abu Dhabi Refinery/Mussaffah	ADNOC-Distribution	2 x 10	8, 12
Venezuela			
Puerto La Cruz/San Tome	PDVSA	99	16
San Tome/Maturin	PDVSA	99	8
San Tome/Puerto Ordaz	PDVSA	124	12
Puerto Ordaz/Ciudad Bolivar	PDVSA	44	8
Bajo Grande/San Lorenzo	PDVSA	70	12
San Lorenzo/El Vigia	PDVSA	104	12
Catia La Mar plant/Simon Bolivar airport	PDVSA	5	8
Catia La Mar plant/Cantina plant	PDVSA	10	10
Carenero plant/Guatire plant	PDVSA	45	16
El Palito refinery/Yagua plant	PDVSA	29	16
El Palito refinery/Barquisimeto	PDVSA	95	12

Notes: Figures as at year-end.

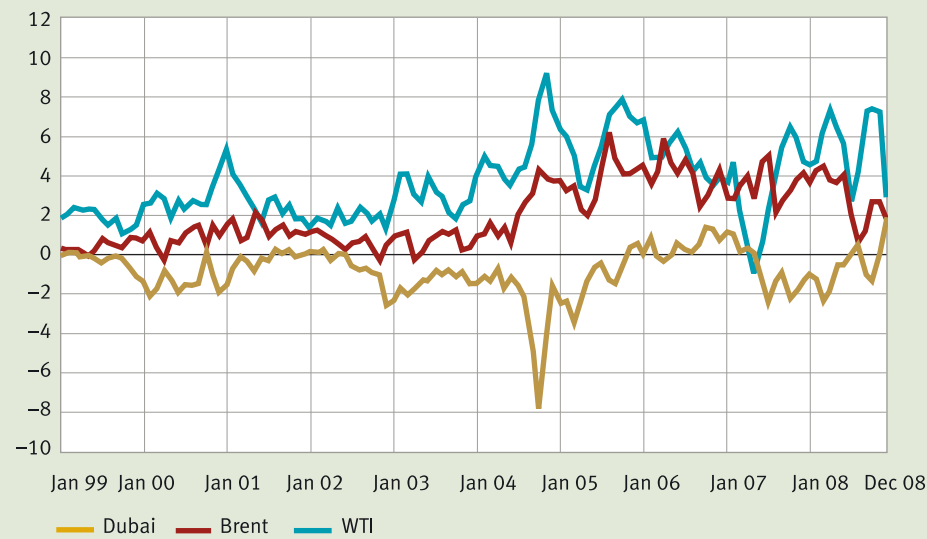
Prices



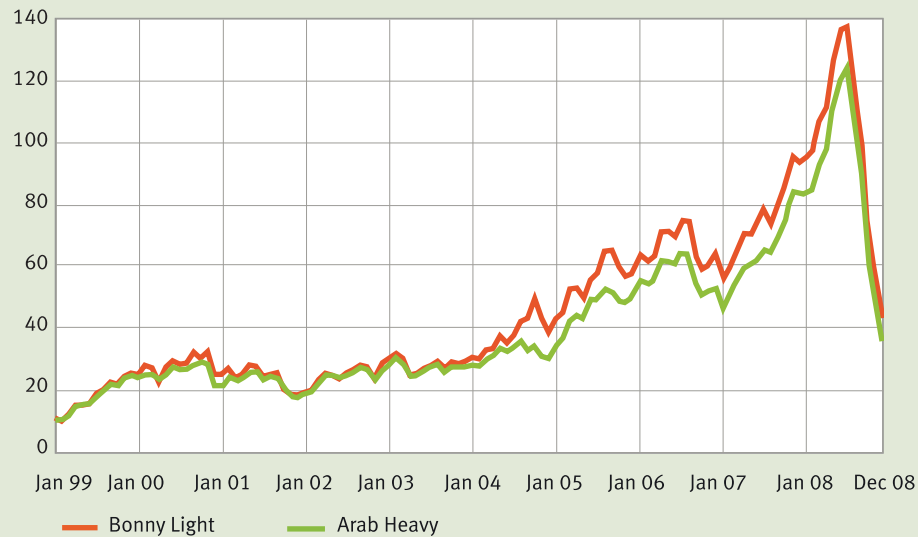
OPEC Reference Basket and other spot crude oil prices
1999–2008 (\$/b)



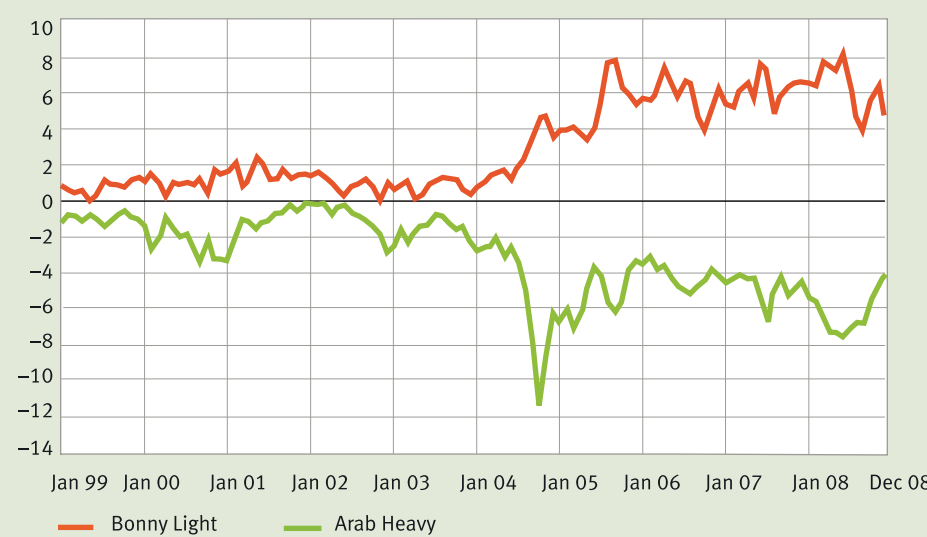
Spot price differences of WTI, Brent and Dubai to OPEC Basket
1999–2008 (\$/b)



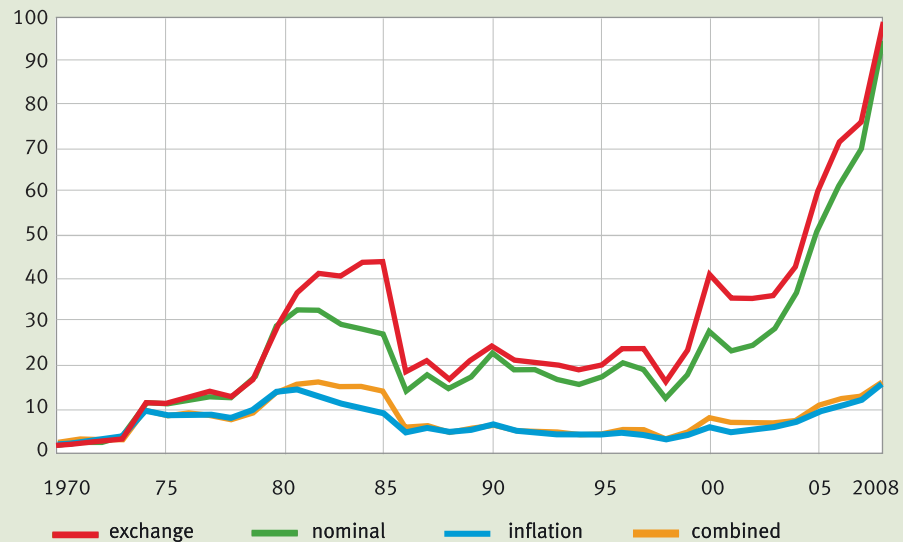
Spot prices of Bonny Light and Arab Heavy
1999–2008 (\$/b)



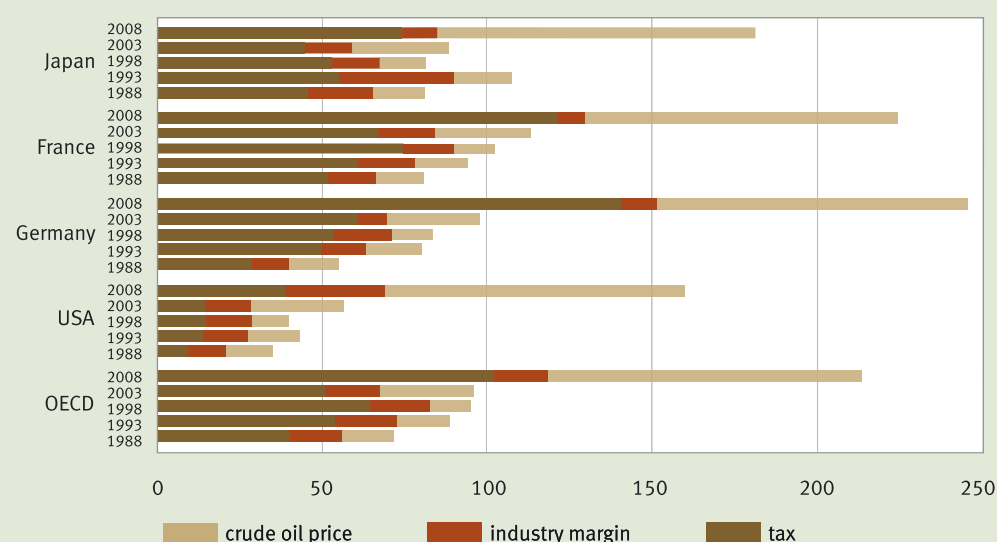
Spot price differences of Bonny Light and Arab Heavy to OPEC Basket
1999–2008 (\$/b)



Crude oil prices in nominal and real terms
1970–2008 (\$/b) 1973=100



Composite barrel and its components
1988–2008 (\$/b)



Spot OPEC Reference Basket prices, 1999–2008 (\$/b)

	Algeria Saharan Blend	Angola Girassol	Ecuador Oriente	Indo- nesia Minas	IR Iran Iran Heavy	Iraq Basra Light	Kuwait Kuwait Export	SP Libyan AJ Ess Sider	Nigeria Bonny Light	Qatar Marine	Saudi Arabia Arab Light	UAE Murban	Venezuela BCF-17	OPEC Reference Basket
1999	18.12	na	16.95	17.84	16.93	16.28	16.75	18.04	18.07	17.38	17.45	17.89	na	17.48
2000	28.77	na	27.37	28.75	26.02	24.92	25.78	28.62	28.49	26.63	26.81	27.75	na	27.60
2001	24.74	na	21.78	24.11	21.67	20.00	21.37	24.70	24.50	23.23	23.06	24.02	na	23.12
2002	24.91	31.02	21.95	25.60	23.09	23.32	23.61	24.55	25.15	23.99	24.32	24.87	na	24.36
2003	28.73	28.33	25.42	29.52	26.34	26.60	26.89	28.21	28.77	27.05	27.69	28.25	na	28.10
2004	38.35	35.77	30.31	36.85	33.06	34.60	34.08	36.58	38.27	34.04	34.53	36.65	na	36.05
2005	54.64	51.33	43.43	54.01	47.99	48.33	48.66	52.62	55.67	50.49	50.21	54.09	40.53	50.64
2006	66.05	63.06	53.93	65.23	59.27	57.97	58.88	63.35	66.84	62.64	61.10	66.06	52.01	61.08
2007	74.66	70.88	61.55	73.56	67.06	66.40	66.35	71.41	75.14	69.30	68.75	72.87	61.80	69.08
2008	98.96	95.64	85.43	100.65	91.49	92.08	91.16	96.65	100.60	94.86	95.16	99.03	86.73	94.45
2006														
Jan	64.06	60.27	50.82	63.35	57.10	55.59	56.52	61.77	64.04	59.85	58.43	62.72	47.90	58.48
Feb	61.59	58.50	48.11	61.35	55.43	52.32	55.01	59.12	62.12	59.06	56.56	61.77	45.90	56.62
Mar	62.98	60.73	50.43	62.30	56.56	54.01	55.80	60.22	63.80	59.39	57.54	62.33	49.52	57.87
Apr	70.21	68.56	58.62	69.17	63.09	61.18	62.20	67.03	71.80	65.62	63.85	68.46	56.01	64.44
May	70.31	68.38	60.80	70.47	63.27	62.32	62.80	67.25	71.75	66.29	64.83	69.84	56.62	65.11
Jun	69.15	66.75	60.70	68.49	62.24	62.38	62.37	66.62	70.22	66.16	65.03	69.66	55.01	64.60
Jul	74.37	70.28	62.43	74.13	66.59	66.49	66.35	71.42	75.49	70.21	69.06	73.70	58.72	68.89
Aug	74.50	70.22	60.63	75.42	66.42	65.42	66.02	70.72	75.29	70.05	68.76	73.66	60.29	68.81
Sep	63.27	60.31	51.28	63.32	57.14	56.40	56.75	61.54	63.87	60.90	59.72	65.01	50.96	59.34
Oct	58.55	56.41	45.66	54.87	53.27	51.53	53.02	56.20	58.75	57.15	55.65	61.04	46.99	54.97
Nov	59.77	56.53	46.37	56.93	53.97	52.31	53.56	57.32	60.32	57.33	55.53	60.94	46.86	55.42
Dec	63.55	59.76	50.69	62.55	55.75	55.23	55.69	60.73	64.28	59.25	57.70	63.12	48.56	57.95
2007														
Jan	55.78	51.99	44.59	55.39	47.91	47.63	48.42	52.08	56.18	52.58	50.86	56.42	42.68	50.79
Feb	59.58	56.66	49.97	58.44	51.87	51.19	52.33	55.83	59.58	55.86	54.29	59.58	48.04	54.56
Mar	64.30	60.77	52.88	62.83	56.39	55.99	56.22	60.60	64.60	59.39	58.08	63.19	50.27	58.59
Apr	69.71	66.44	55.58	68.74	61.41	59.74	61.07	66.06	70.01	64.79	62.83	68.39	54.93	63.55
May	70.13	66.52	55.58	68.12	62.72	61.79	62.06	66.03	70.03	65.34	64.15	69.21	56.06	64.48
Jun	74.05	69.00	59.81	68.41	64.77	64.09	63.61	70.25	74.45	66.15	65.92	70.74	60.68	66.89
Jul	78.21	74.42	65.36	76.88	69.65	70.53	67.73	75.81	79.21	70.20	71.05	74.40	65.79	71.89
Aug	73.44	69.81	59.29	73.67	66.60	66.83	65.91	69.84	73.34	69.43	68.76	71.80	62.78	68.71
Sep	78.60	75.48	65.90	76.98	72.63	72.14	71.94	76.07	79.87	73.78	74.28	77.16	66.35	74.18
Oct	84.45	80.23	71.77	84.96	77.30	77.47	76.33	81.80	85.60	78.68	79.31	81.98	72.20	79.32
Nov	94.57	90.21	80.01	93.64	87.17	86.26	86.23	91.92	95.32	87.94	89.02	90.95	81.87	88.84
Dec	93.15	88.98	78.40	94.53	86.31	82.79	84.37	90.75	93.55	87.54	86.29	90.72	79.79	87.05
2008														
Jan	93.60	88.68	79.38	95.33	86.36	85.21	85.63	91.40	94.85	88.35	88.75	92.04	80.59	88.35
Feb	96.73	92.13	80.80	95.55	88.51	88.80	87.77	94.28	96.98	90.12	91.26	94.25	80.36	90.64
Mar	105.68	101.46	90.27	104.62	96.68	97.19	95.58	103.03	106.68	97.67	99.23	102.15	89.12	99.03
Apr	111.57	107.38	98.06	109.02	102.23	103.28	101.25	108.42	112.52	104.30	106.05	109.44	94.10	105.16
May	125.15	121.76	111.25	126.50	116.47	116.35	115.79	122.50	126.55	119.27	120.59	124.84	106.20	119.39
Jun	133.94	130.89	119.13	136.49	124.66	124.46	124.37	131.69	136.44	129.25	129.35	134.56	116.16	128.33
Jul	134.49	131.35	119.43	139.76	126.75	127.00	127.57	132.14	137.64	132.73	132.75	137.94	124.51	131.22
Aug	114.33	110.26	102.13	119.07	108.10	109.16	108.84	111.98	116.93	113.53	113.69	119.50	110.48	112.41
Sep	99.48	96.68	89.52	101.63	93.04	94.84	93.15	97.28	100.48	97.78	97.57	101.32	96.17	96.85
Oct	73.02	70.63	60.57	76.80	66.33	67.99	65.88	71.22	74.57	68.94	69.14	71.52	65.86	69.16
Nov	53.86	51.76	40.17	56.48	47.55	49.11	47.13	51.86	56.11	50.58	50.09	53.05	40.37	49.76
Dec	41.35	40.30	29.56	41.80	36.88	37.27	36.47	39.60	43.10	41.24	38.82	43.15	31.65	38.60

Notes: OPEC Reference Basket: Up to May 2005, ORB was calculated according to the old methodology. As of June 16, 2005, the new Basket methodology was implemented (for details, please refer to OPEC Basket definition under 'General Notes'). Basrah Light: up to 2001, delivery ex-Yanbu. As of 2002, quotations for US market and as of June 16, 2005, Market Weighted Average. Up to 2005, prices are averages of weekly fob quotations. As of 2006, based on daily quotations.

Table 72

P r i c e s

Spot crude oil prices, 1999–2008 (\$/b)

	Algeria	Angola	Indonesia	IR Iran	SP Libyan AJ	Nigeria	Qatar	Saudi Arabia	UAE
	Zarzaitine	Cabinda	Attaka	Iran Light	Brega	Forcados	Dukhan	Arab Heavy	Dubai
1999	18.15	17.34	18.34	17.25	18.08	17.93	17.65	16.44	17.24
2000	28.82	27.22	29.45	26.75	28.65	28.40	26.95	25.25	26.25
2001	24.86	22.83	26.45	22.90	24.70	24.24	23.74	21.90	22.83
2002	25.06	24.27	25.38	23.52	24.96	25.05	24.37	23.38	23.83
2003	28.99	28.01	29.58	26.89	28.89	28.65	27.44	26.43	26.77
2004	38.53	35.54	40.87	34.60	38.35	38.10	36.05	31.14	33.66
2005	54.87	51.20	57.26	50.66	54.22	55.60	53.46	45.28	49.36
2006	66.31	62.07	67.91	61.07	65.04	67.07	65.39	56.82	61.54
2007	74.16	69.65	75.44	69.30	72.93	74.49	72.33	64.18	68.38
2008	99.33	94.29	102.16	94.66	98.12	101.42	98.39	88.12	93.85
2006									
Jan	64.28	60.13	65.75	58.99	63.25	64.16	62.34	54.91	58.56
Feb	61.74	58.32	62.83	57.00	60.42	62.17	61.55	53.52	57.61
Mar	63.14	60.42	65.71	58.77	62.18	63.83	61.75	54.08	57.82
Apr	70.48	68.34	74.01	65.14	70.45	71.80	68.10	60.74	64.14
May	70.34	67.61	74.07	64.67	69.63	71.74	69.19	60.88	65.07
Jun	69.17	65.92	71.94	64.30	68.39	70.22	68.99	59.84	65.22
Jul	74.56	69.35	77.18	68.81	73.26	75.49	73.09	63.74	69.17
Aug	74.69	68.79	77.00	68.49	72.81	75.29	73.01	63.57	68.92
Sep	63.47	58.25	66.97	58.56	61.51	63.87	64.19	54.56	59.82
Oct	59.60	54.50	59.32	55.42	57.50	60.53	59.94	50.49	56.36
Nov	60.44	54.98	57.95	55.39	58.62	61.15	60.14	51.54	56.72
Dec	63.63	58.28	61.99	56.98	62.23	64.38	61.98	53.72	58.69
2007									
Jan	55.84	50.65	54.71	49.12	53.78	56.20	55.41	46.15	51.92
Feb	59.75	55.73	60.53	53.64	57.53	60.12	59.13	50.21	55.61
Mar	63.81	59.83	63.56	57.92	62.30	64.07	62.55	54.40	58.80
Apr	69.44	65.26	70.21	63.87	67.71	69.88	68.02	59.16	63.97
May	69.45	65.35	72.55	64.05	67.73	70.00	68.60	60.07	64.59
Jun	72.03	68.47	74.28	67.99	71.90	72.51	69.43	61.44	65.79
Jul	78.44	73.74	78.81	73.70	77.36	78.47	73.50	64.99	69.49
Aug	72.90	69.08	75.55	69.34	71.29	73.73	72.72	63.55	67.36
Sep	78.63	74.88	79.33	74.88	77.42	79.10	76.90	69.86	73.36
Oct	84.00	78.93	85.56	79.74	83.10	84.03	81.92	73.99	77.12
Nov	94.25	88.44	96.22	89.92	93.22	94.20	90.75	83.96	86.96
Dec	92.95	87.01	94.93	89.12	91.85	93.11	89.97	82.51	85.79
2008									
Jan	93.62	87.62	96.70	89.21	92.50	93.89	91.15	82.85	87.35
Feb	96.52	91.21	100.24	91.76	95.48	97.23	94.01	84.96	89.40
Mar	105.52	100.13	108.22	99.35	104.23	106.03	101.34	92.67	96.72
Apr	111.98	106.46	115.98	105.92	109.72	113.29	107.89	97.66	103.41
May	125.27	120.70	130.36	119.39	123.90	127.87	124.42	112.00	118.86
Jun	134.28	129.01	138.67	127.89	133.29	137.85	134.08	120.62	127.82
Jul	135.18	129.62	140.26	128.19	133.94	138.16	137.40	124.09	131.27
Aug	115.49	109.27	119.22	110.95	113.78	116.85	118.07	105.47	112.86
Sep	100.56	95.33	101.39	97.56	99.08	103.30	101.05	89.92	95.90
Oct	73.85	69.24	71.86	70.81	72.87	76.83	70.51	63.48	67.82
Nov	54.28	50.43	50.80	51.72	53.31	57.14	51.88	44.94	49.84
Dec	42.15	39.37	44.50	40.03	40.95	45.22	40.95	34.38	40.46

Notes: Up to 2005, prices are averages of weekly fob quotations. As of 2006, based on daily quotations.

Spot crude oil prices, 1999–2008 (\$/b)

	Venezuela TJL	Oman Oman	Egypt Suez Blend	UK Brent	UK Forties	Norway Ekofisk	Norway Oseberg	Mexico Isthmus
1999	16.31	17.27	16.19	17.91	18.02	17.93	18.05	17.29
2000	26.31	26.50	25.16	28.44	28.61	28.42	28.67	27.80
2001	20.35	22.75	21.09	24.46	24.60	24.39	24.54	22.22
2002	22.61	23.94	22.45	25.03	24.98	24.88	25.02	24.12
2003	26.97	27.14	25.76	28.81	28.94	28.89	28.97	28.25
2004	33.66	34.35	32.19	38.23	38.85	38.18	38.33	37.01
2005	46.37	50.48	47.71	54.44	55.06	54.48	54.84	50.35
2006	55.07	62.59	58.74	65.16	65.85	65.30	65.95	59.87
2007	65.65	68.86	66.78	72.55	72.46	73.20	73.87	67.58
2008	92.25	94.51	91.68	97.37	97.25	99.40	99.74	95.22
2006								
Jan	54.27	59.35	56.92	63.05	63.95	63.34	63.99	58.54
Feb	50.97	58.61	54.54	60.12	60.85	60.36	60.86	53.87
Mar	52.32	59.19	55.54	62.08	62.73	62.53	63.03	56.85
Apr	58.77	65.54	62.43	70.35	70.45	70.32	70.72	64.51
May	58.66	66.39	62.46	69.83	70.18	69.88	70.41	64.82
Jun	56.98	66.17	61.95	68.69	69.08	68.45	69.12	63.88
Jul	60.93	70.22	66.51	73.66	74.59	73.74	74.25	68.30
Aug	60.99	70.12	65.78	73.11	74.22	73.09	73.98	67.47
Sep	52.35	61.01	56.96	61.71	63.04	62.24	63.19	57.18
Oct	48.05	57.32	52.91	57.80	58.76	58.17	58.92	52.46
Nov	51.63	57.37	53.60	58.92	59.58	59.15	59.84	53.34
Dec	54.89	59.35	55.05	62.33	62.61	62.17	63.00	56.82
2007								
Jan	47.83	52.38	47.19	53.68	54.40	53.93	54.65	48.90
Feb	51.82	55.82	51.38	57.43	57.44	58.41	59.14	53.48
Mar	54.92	59.19	56.16	62.15	62.15	62.84	63.58	56.79
Apr	58.60	64.45	61.27	67.51	67.52	67.73	68.50	60.60
May	58.54	65.04	61.34	67.38	67.24	68.36	69.52	60.60
Jun	63.31	66.08	65.42	71.55	71.58	72.09	72.59	65.40
Jul	68.98	70.09	71.44	77.01	77.01	77.76	78.22	71.11
Aug	64.93	68.34	66.94	70.74	70.74	72.00	72.29	66.60
Sep	70.69	73.56	71.41	76.87	76.87	78.08	78.73	72.65
Oct	76.90	77.55	76.90	82.50	82.54	83.38	84.08	78.79
Nov	86.55	87.16	87.60	92.62	92.62	93.24	93.88	88.59
Dec	84.73	86.82	85.80	91.25	90.98	92.12	92.89	87.53
2008								
Jan	85.52	88.54	86.38	92.00	92.00	93.51	94.07	88.07
Feb	87.93	90.12	88.49	94.98	94.97	96.38	96.97	90.28
Mar	96.80	97.82	95.81	103.58	103.61	105.48	105.79	99.79
Apr	103.29	104.09	102.44	108.97	108.99	111.81	112.16	106.60
May	116.45	119.15	115.40	123.05	122.73	124.96	125.15	120.43
Jun	125.62	128.32	124.58	132.44	132.44	135.26	135.29	129.90
Jul	127.71	132.81	126.68	133.19	133.19	136.66	136.66	130.98
Aug	110.04	113.28	109.32	113.03	113.03	115.20	115.54	112.63
Sep	96.65	96.13	94.76	98.13	98.13	99.62	100.12	100.15
Oct	69.58	68.34	67.57	71.87	71.87	74.31	74.66	71.96
Nov	47.44	50.04	48.86	52.51	52.51	54.77	55.22	49.77
Dec	35.26	40.91	36.66	40.35	40.35	41.47	41.95	37.27

Notes: As of April 1988, Brent refers to dated price. Up to 2005, prices are averages of weekly fob quotations. As of 2006, based on daily quotations.

Table 72

P r i c e s

Spot crude oil prices, 1999–2008 (\$/b)

	Mexico Maya	China Daqing	Malaysia Tapis	Malaysia Miri	Australia Gippsland	Colombia Cano Limon	United States WTI	Russia Urals
1999	14.52	17.76	18.89	18.86	18.50	17.95	19.30	17.24
2000	22.87	28.74	29.74	29.39	29.41	28.57	30.37	26.58
2001	17.31	24.78	25.44	0.00	25.22	22.82	26.00	22.97
2002	20.93	25.45	25.69	25.65	25.47	23.55	26.13	23.80
2003	24.23	29.52	30.08	30.07	29.85	27.78	31.09	27.02
2004	30.00	36.72	41.14	41.21	40.58	35.53	41.44	34.47
2005	40.94	52.65	57.94	58.33	56.18	51.31	56.51	50.79
2006	51.25	63.33	70.04	70.30	67.92	62.72	66.04	61.37
2007	59.83	71.30	77.87	77.76	75.55	69.67	72.29	69.55
2008	84.39	96.72	104.55	104.90	101.66	98.94	100.00	94.87
2006								
Jan	47.94	61.95	69.40	69.60	66.86	61.07	65.39	59.58
Feb	46.06	60.00	66.74	67.14	64.74	57.77	61.49	57.06
Mar	49.01	60.79	66.79	67.23	65.00	59.08	62.82	58.11
Apr	55.44	67.64	74.21	74.61	72.84	66.15	69.46	64.95
May	55.24	68.72	74.22	74.47	71.95	67.04	70.89	65.09
Jun	53.46	66.92	73.12	73.52	71.02	66.92	70.88	64.51
Jul	58.01	71.89	78.16	78.56	75.78	70.23	74.33	69.20
Aug	58.83	72.32	78.69	78.93	76.14	70.72	73.01	68.49
Sep	49.67	61.32	69.03	69.41	66.25	61.67	64.00	59.47
Oct	46.41	54.00	62.60	62.80	60.09	56.77	58.82	55.68
Nov	46.39	54.45	61.72	61.79	60.32	56.33	58.94	55.95
Dec	47.91	59.95	65.54	65.59	64.11	58.22	61.96	57.95
2007								
Jan	41.51	52.92	59.14	58.93	57.56	50.74	54.40	50.13
Feb	46.31	57.06	63.91	64.09	62.77	57.17	59.21	53.82
Mar	48.28	61.02	67.87	67.87	66.63	60.16	60.63	58.81
Apr	52.74	67.32	74.74	74.74	72.86	63.69	63.85	63.92
May	54.31	66.71	75.13	75.13	73.62	63.05	63.46	64.29
Jun	58.88	66.94	75.18	75.18	73.86	67.58	67.44	67.83
Jul	63.64	75.39	79.64	79.64	77.59	73.07	73.98	73.90
Aug	60.53	72.50	76.33	76.32	74.55	69.61	72.37	69.25
Sep	65.04	75.10	82.16	82.16	79.65	75.90	79.69	73.78
Oct	70.59	81.12	87.24	87.24	83.11	81.36	85.87	79.52
Nov	79.21	89.68	97.33	97.20	92.97	88.01	94.91	90.24
Dec	77.19	90.88	95.94	95.72	92.55	85.88	91.69	89.02
2008								
Jan	78.36	91.71	97.44	97.44	96.12	88.07	92.87	89.22
Feb	78.76	93.88	100.24	100.86	99.57	90.72	95.32	91.14
Mar	86.09	102.16	109.06	109.06	107.42	101.41	105.41	98.95
Apr	91.63	107.14	116.55	116.55	115.30	110.90	112.64	105.75
May	103.45	123.88	130.56	131.15	129.77	124.19	125.66	119.11
Jun	113.90	131.44	140.71	140.71	136.19	133.78	133.93	127.73
Jul	121.04	133.94	144.66	144.66	139.77	134.05	133.82	130.06
Aug	106.84	114.17	124.40	124.40	119.54	116.85	116.58	112.17
Sep	91.51	96.78	106.54	106.54	102.06	102.84	104.15	97.61
Oct	62.92	69.18	77.97	77.50	73.55	75.95	76.62	70.51
Nov	39.57	49.02	56.70	56.43	50.82	57.25	57.12	51.79
Dec	31.94	39.83	44.87	45.35	41.95	44.96	41.45	40.03

Notes: Up to 2005, prices are averages of weekly fob quotations. As of 2006, prices are based on daily quotations. Urals delivery to Mediterranean.

Crude oil prices in nominal and real terms, 1970–2008 (\$/b)

	Nominal oil price ¹	Exchange rates ²	Nominal price adjusted for:	
			Inflation ³	Combined ⁴
1970	1.67	1.99	2.03	2.41
1971	2.03	2.37	2.32	2.71
1972	2.29	2.49	2.49	2.70
1973	3.05	3.05	3.05	3.05
1974	10.73	11.04	9.40	9.67
1975	10.73	10.81	8.36	8.42
1976	11.51	12.58	8.16	8.92
1977	12.39	13.45	7.98	8.66
1978	12.70	12.65	7.59	7.56
1979	17.25	16.51	9.40	9.00
1980	28.64	27.39	13.81	13.21
1981	32.51	36.24	14.07	15.68
1982	32.38	40.75	12.82	16.13
1983	29.04	40.19	10.71	14.83
1984	28.20	43.39	9.74	14.99
1985	27.01	43.32	8.81	14.13
1986	13.53	17.71	4.26	5.58
1987	17.73	20.68	5.39	6.29
1988	14.24	16.22	4.17	4.75
1989	17.31	20.83	4.82	5.79
1990	22.26	24.31	5.84	6.38
1991	18.62	20.70	4.67	5.19
1992	18.44	20.02	4.43	4.81
1993	16.33	19.82	3.79	4.61
1994	15.53	18.79	3.50	4.24
1995	16.86	19.42	3.68	4.24
1996	20.29	23.59	4.31	5.01
1997	18.68	23.51	3.89	4.89
1998	12.28	15.72	2.51	3.21
1999	17.48	22.94	3.52	4.62
2000	27.60	40.33	5.42	7.93
2001	23.12	34.89	4.44	6.70
2002	24.36	35.32	4.58	6.65
2003	28.10	35.49	5.17	6.53
2004	36.05	42.04	6.49	7.57
2005	50.64	59.09	8.91	10.40
2006	61.08	70.98	10.50	12.20
2007	69.08	75.21	11.59	12.62
2008	94.45	98.50	15.33	15.99

Notes: Base: 1973 = 100.

1. Up to October 1974: 93 per cent of the posted prices of Arab Light (fob Ras Tanura). November 1974 to December 1981: official prices of Arab Light (fob Ras Tanura). As of 1982, OPEC Reference Basket price (*nb*, as of June 16, 2005, the new Basket methodology came into effect — see OPEC Basket definition under 'General Notes').
2. Based on weighted average index of currency exchange rates in the modified Geneva I Agreement (see Geneva I Agreement definition under 'General Notes').
3. Based on weighted average consumer price indices of modified Geneva I countries and USA.
4. Based on combined indices of exchange rates and inflation.

Table 74

P r i c e s

Spot prices of refined products in major markets, 1999–2008 (\$/b)

		US Gulf			Singapore			Rotterdam		
		gasoline	gasoil	fuel oil	gasoline	gasoil ¹	fuel oil	gasoline ²	gasoil ¹	fuel oil
		reg unl 87	0.2% sulphur	3.0% sulphur	prem 0.15g/l	0.5% sulphur	380 CST	prem 0.15g/l	0.2% sulphur	3.5% sulphur
1999		22.00	19.77	14.28	21.02	19.13	14.76	21.50	19.74	13.73
2000		35.10	34.04	20.77	32.55	32.46	23.04	35.16	33.76	20.47
2001		31.02	29.04	17.18	27.47	27.30	19.42	29.29	28.77	17.08
2002		30.44	27.75	20.69	28.00	28.15	21.83	28.47	27.33	19.76
2003		36.83	34.09	24.02	34.74	33.38	25.07	34.86	33.47	22.38
2004		49.37	45.62	24.75	47.19	47.31	26.58	47.10	46.01	22.94
2005		67.25	70.71	36.42	62.10	68.66	38.38	62.58	70.91	34.59
2006		77.61	76.01	45.56	73.13	82.09	46.37	72.90	80.06	43.36
2007		86.42	84.45	53.08	82.87	88.55	55.49	92.03	88.62	51.30
2008		104.92	118.24	72.21	102.56	122.06	74.85	98.32	119.25	69.26
2006	Jan	72.01	73.35	46.01	66.78	77.61	45.33	68.13	73.79	42.21
	Feb	64.89	69.14	46.67	65.02	79.36	47.95	62.65	72.76	44.03
	Mar	77.58	74.56	46.69	69.64	82.11	48.89	68.23	77.42	44.02
	Apr	93.27	83.31	50.74	81.13	90.68	51.32	81.15	84.69	47.67
	May	88.16	83.08	49.93	86.80	92.78	51.32	83.69	86.03	48.13
	Jun	90.60	80.78	46.41	82.76	89.13	48.46	85.38	86.13	44.60
	Jul	96.83	81.98	49.55	85.50	88.17	50.72	91.26	87.80	46.79
	Aug	85.62	84.70	49.59	81.22	88.19	47.61	83.09	89.75	46.41
	Sep	65.63	72.04	41.79	65.86	77.75	42.24	64.80	77.31	40.67
	Oct	63.59	69.48	40.26	61.83	73.12	42.40	59.92	74.92	39.25
	Nov	65.84	69.42	39.60	62.89	72.04	39.84	61.52	74.53	38.70
	Dec	67.33	70.30	39.43	68.16	74.14	40.34	64.93	75.60	37.82
2007	Jan	59.14	63.19	36.41	61.59	69.71	40.24	65.11	67.79	33.81
	Feb	68.21	69.20	40.24	66.80	72.22	43.70	71.76	72.51	37.99
	Mar	79.13	72.00	40.59	76.62	75.94	45.48	82.57	76.23	40.35
	Apr	91.98	77.02	46.53	83.49	83.18	50.87	93.90	81.65	46.46
	May	98.49	80.19	50.33	88.77	84.47	50.82	100.00	81.72	47.33
	Jun	92.02	82.95	52.21	84.79	85.67	53.03	97.59	85.50	48.83
	Jul	90.77	85.87	55.66	85.35	89.57	57.39	96.78	89.12	54.01
	Aug	84.28	82.62	53.99	77.15	86.33	55.71	90.16	86.40	52.23
	Sep	88.95	91.05	57.01	82.51	93.78	58.15	94.47	94.83	55.65
	Oct	89.41	95.38	63.68	88.71	98.11	65.67	97.25	99.44	62.26
	Nov	99.30	107.97	72.17	100.29	112.26	73.95	97.05	109.04	70.61
	Dec	95.37	105.93	68.13	98.38	111.33	70.89	94.06	106.29	66.06
2008	Jan	97.49	105.16	69.44	100.49	107.90	70.56	94.13	105.16	65.73
	Feb	101.46	110.04	67.88	104.97	113.23	70.26	98.53	112.10	64.89
	Mar	108.80	124.76	71.42	109.66	128.98	73.86	103.44	124.90	70.28
	Apr	119.71	132.37	75.34	117.98	141.88	78.14	113.16	134.58	73.57
	May	133.16	150.79	83.95	131.07	155.19	87.62	124.51	155.19	80.30
	Jun	140.51	159.11	93.02	140.23	169.29	94.58	133.46	160.25	89.47
	Jul	135.08	157.78	106.44	135.19	167.92	108.05	129.38	160.08	100.80
	Aug	125.71	132.94	97.30	115.42	135.19	99.84	115.51	134.20	92.38
	Sep	131.33	122.16	82.12	107.02	120.91	87.77	105.79	121.76	81.22
	Oct	74.99	92.40	56.17	79.38	88.76	59.08	73.35	92.78	54.12
	Nov	51.21	75.71	32.93	48.29	73.69	35.13	49.60	73.81	31.55
	Dec	39.65	55.60	30.45	40.97	61.74	33.27	38.97	56.17	26.78

Notes: US Gulf and Singapore prices apply to cargo; Rotterdam prices apply to barge size lots. Gasoline specification in Singapore is 97 research octane number with 0.15 gram lead per litre. Fuel oil viscosity is 380 centistokes with 3.5 per cent sulphur. Gasoline specification for Rotterdam is 97–98 RON with 0.15 gram per litre lead.

1. From 2005, gasoil with 0.05 per cent sulphur.

2. From 2005, unleaded 95 RON.

Retail prices of refined products in OPEC Members, 2004–2008 (*units of national currency/b*)

	2004	2005	2006	2007	2008
Algeria					
Gasoline	3,370.8	2,210.0	2,097.5	2,210.0	2,226.7
Diesel oil	1,868.3	1,370.0	1,315.0	1,370.0	1,370.0
Kerosene	182.2	182.4	182.9	na	na
Fuel oil	156.5	156.6	156.9	170.0	na
Angola					
Gasoline	5,388.2	5,388.2	6,389.9	6,389.9	na
Diesel oil	4,006.4	4,006.4	4,600.7	4,600.7	na
Kerosene	na	na	na	na	na
Fuel oil	na	na	na	na	na
Ecuador					
Gasoline	247.8	247.8	247.8	237.1	238.1
Diesel oil	142.8	142.8	144.0	143.6	143.4
Kerosene	153.3	153.3	153.3	153.3	143.4
Fuel oil	89.5	89.5	89.5	89.5	89.5
Indonesia					
Gasoline	381,600.0	715,500.0	778,891.7	715,500.0	na
Diesel oil	349,800.0	683,700.0	683,700.0	683,700.0	na
Kerosene	328,700.0	318,000.0	318,000.0	318,000.0	na
Fuel oil	318,340.0	286,506.0	191,003.0	191,003.0	na
IR Iran					
Gasoline	102,701.1	127,200.0	159,000.0	174,900.0	174,900.0
Diesel oil	23,370.1	26,235.0	30,170.3	64,395.0	26,235.0
Kerosene	21,303.3	26,235.0	28,858.5	26,235.0	26,235.0
Fuel oil	13,354.3	8,252.1	8,256.4	9,946.2	10,104.5
Iraq					
Gasoline	na	na	na	na	71,550
Diesel oil	na	na	na	na	63,600
Kerosene	na	na	na	na	225
Fuel oil	na	na	na	na	263
Kuwait					
Gasoline	10,335	11,329	11,329	11,329	11,395
Diesel oil	8,745	8,745	8,745	8,745	8,745
Kerosene	8,745	8,745	8,745	8,745	8,745
Fuel oil	2,890	2,890	2,890	na	na
SP Libyan AJ					
Gasoline	18.3	23.9	23.9	25.4	28.6
Diesel oil	19.1	19.1	22.3	23.9	27.0
Kerosene	11.1	11.1	12.7	12.7	12.7
Fuel oil	3.5	3.5	3.5	3.5	3.5
Nigeria					
Gasoline	6,757.5	10,333.7	10,334.1	na	11,130.0
Diesel oil	6,598.5	13,747.0	13,747.2	na	14,310.0
Kerosene	6,598.5	8,336.9	8,337.8	na	7,950.0
Fuel oil	3,339.0	4,038.1	4,038.2	na	4,038.6
Qatar					
Gasoline	219.4	238.5	119.3	119.25	119.25
Diesel oil	131.7	143.1	143.1	143.1	143.1
Kerosene	63.6	63.6	63.6	na	na
Fuel oil	na	na	na	na	na
Saudi Arabia					
Gasoline	143.1	143.1	95.4	83.5	83.5
Diesel oil	58.8	58.8	39.8	39.8	39.8
Kerosene	68.5	68.5	68.5	69.2	69.2
Fuel oil	23.9	23.9	23.9	na	na
United Arab Emirates					
Gasoline	633.6	802.8	802.8	802.8	993.8
Diesel oil	502.2	770.7	1,156.0	1,104.6	1,367.4
Kerosene	449.7	669.2	1,054.5	na	na
Fuel oil	350.4	350.4	350.4	na	na
Venezuela					
Gasoline	17,877	12,549	14,687	13,277	13,277
Diesel oil	10,277	7,633	8,933	9,063	7,632
Kerosene	121,228	90,193	105,562	173,830	247,495
Fuel oil	2,881	2,881	3,372	9,618	9,618

Notes: Partly estimated and preliminary. Some quotations were converted from US-dollars to national currency.

Table 76

P r i c e s

Composite barrel and its components in major consuming countries, 2004–2008 (\$/b)

	2004	2005	2006	2007	2008*
United States					
Composite barrel	72.2	87.0	108.7	119.7	159.6
Crude cif price	32.8	46.0	56.2	63.9	91.1
Tax	18.4	19.7	22.8	26.8	38.1
Industry margin	21.0	21.3	29.7	29.0	30.4
Canada					
Composite barrel	79.1	92.1	114.3	122.4	162.9
Crude cif price	35.1	49.4	61.1	68.0	97.3
Tax	21.9	26.4	31.9	33.4	48.4
Industry margin	22.2	16.3	21.3	21.0	17.2
Japan					
Composite barrel	102.0	112.7	128.4	137.0	181.2
Crude cif price	33.3	48.3	61.1	66.9	96.7
Tax	38.0	40.3	50.8	51.1	73.7
Industry margin	30.7	24.1	16.5	18.9	10.8
France					
Composite barrel	115.3	136.8	167.1	179.0	224.1
Crude cif price	35.0	50.9	61.9	70.0	95.2
Tax	70.4	71.4	87.5	89.4	120.8
Industry margin	10.0	14.5	17.7	19.6	8.0
Germany					
Composite barrel	109.5	123.3	172.9	186.3	245.7
Crude cif price	34.1	50.5	61.4	69.7	94.3
Tax	61.7	62.5	98.6	103.9	140.3
Industry margin	13.8	10.3	12.9	12.7	11.1
Italy					
Composite barrel	111.0	127.1	158.6	174.3	231.8
Crude cif price	34.2	50.0	61.2	68.8	95.0
Tax	66.0	66.6	86.7	88.3	121.6
Industry margin	10.7	10.5	10.6	17.2	15.2
United Kingdom					
Composite barrel	154.6	181.7	223.8	236.9	289.3
Crude cif price	34.9	51.6	62.6	70.8	96.1
Tax	96.4	106.1	137.0	140.7	168.4
Industry margin	23.2	23.9	24.3	25.4	24.8
G7					
Composite barrel	106.2	122.9	153.4	165.1	213.5
Crude cif price	34.2	49.5	60.8	68.3	95.1
Tax	53.3	56.2	73.6	76.2	101.6
Industry margin	18.8	17.3	19.0	20.5	16.8

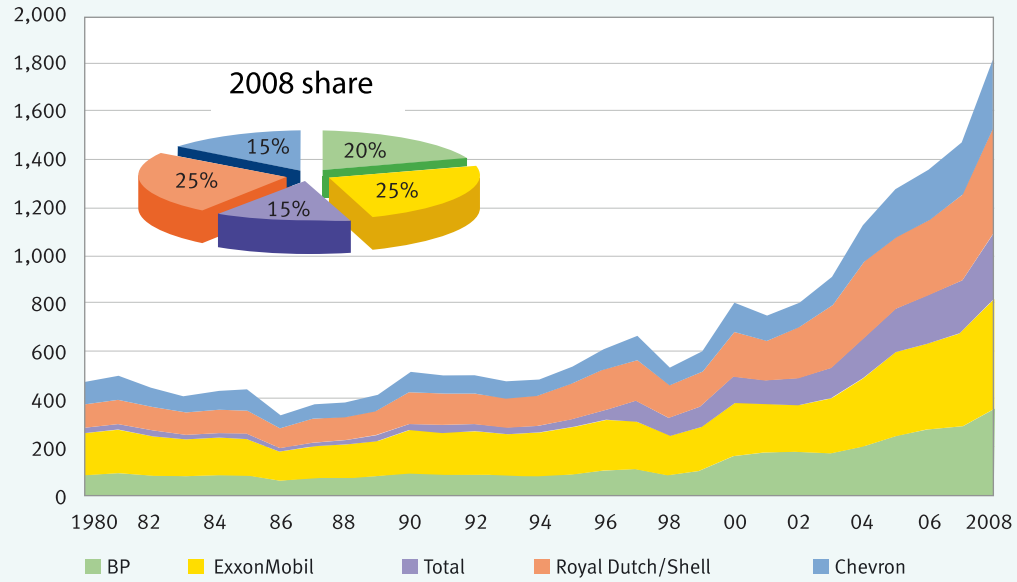
Notes: Totals may not add up due to independent rounding. 'Composite barrel' is a consumption-weighted average of final consumer prices (including taxes) of main groups of refined products. 'Tax' is a consumption-weighted average of total taxes (including VAT if applicable) levied on refined products. Industry margin is a value calculated by subtracting the tax and crude cif price from the price of composite barrel. Consumption weights for 2004–08 are estimated. Fourth quarter 2008 estimated.

companies
Major oil



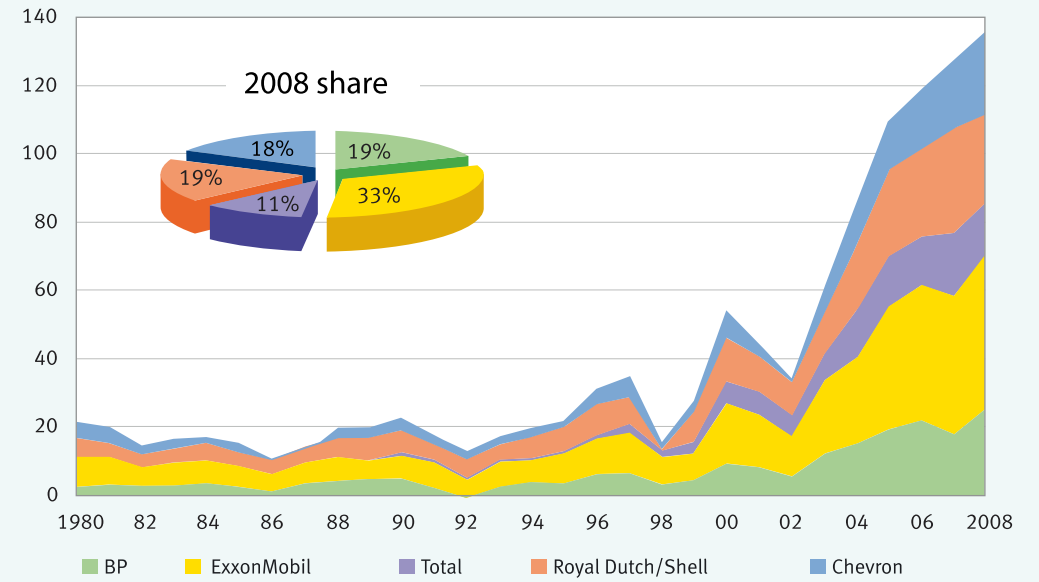
Major oil companies' revenues

(\$ bn)



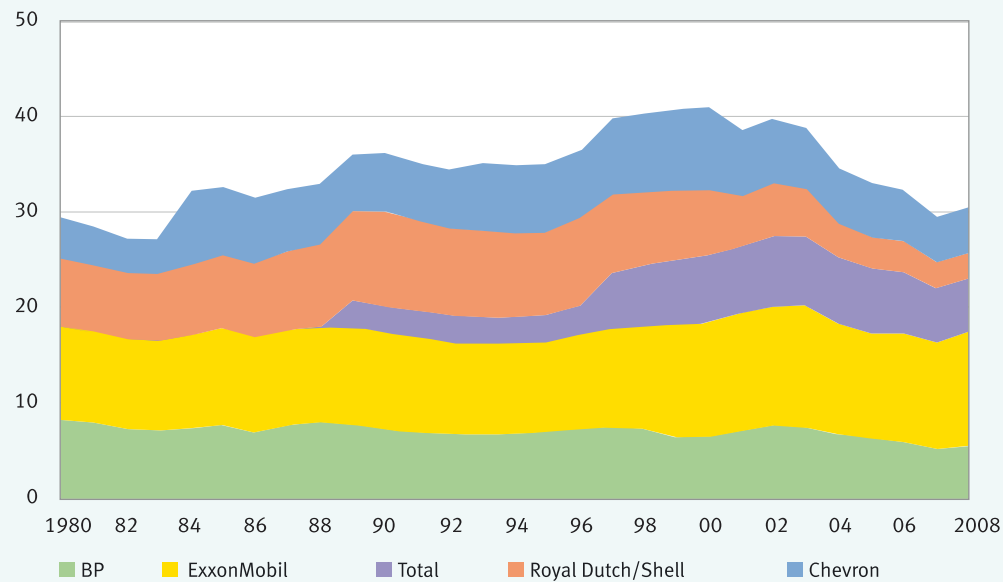
Major oil companies' net income

(\$ bn)



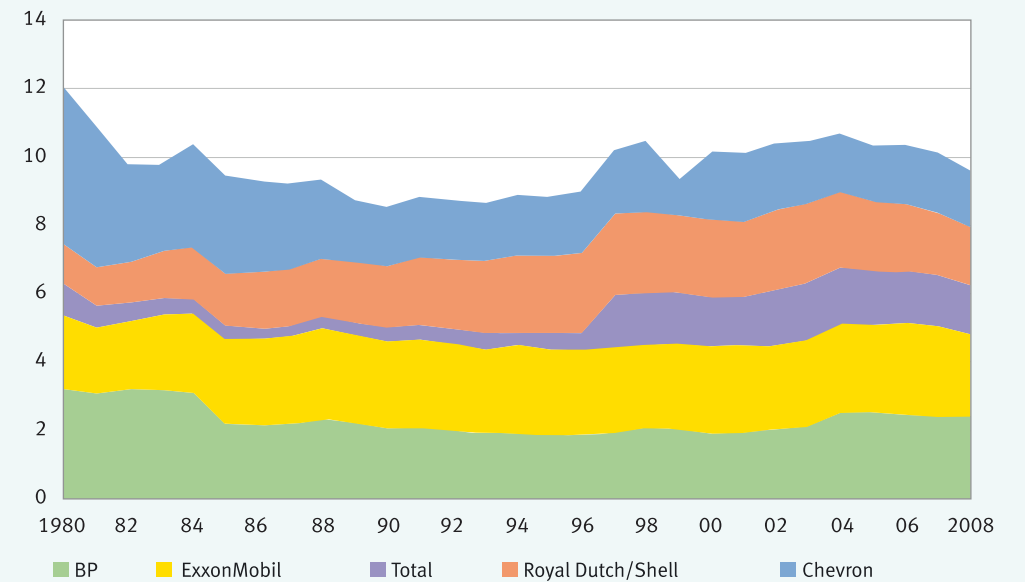
Major oil companies' crude oil and NGL reserves

(bn b)



Major oil companies' crude and NGL production

(1,000 b/d)



Principal operations of the major oil companies, 2004–2008 (1,000 b/d)

	2004	2005	2006	2007	2008
BP					
Crude oil & NGL reserves ¹	6,755	6,360	5,893	5,492	5,665
Natural gas reserves ²	45,650	44,448	42,168	41,130	40,005
Crude oil produced	2,531	2,562	2,475	2,414	2,401
Crude oil processed	2,607	2,399	2,198	2,127	2,155
Refined products sold	6,398	5,888	5,801	5,624	5,698
Natural gas sold ³	8,503	8,424	8,417	8,143	8,334
ExxonMobil					
Crude oil & NGL reserves ¹	11,651	11,229	11,568	11,074	12,006
Natural gas reserves ²	60,362	66,907	67,560	68,262	65,879
Crude oil produced	2,571	2,523	2,681	2,616	2,405
Crude oil processed	5,713	5,723	5,603	5,571	5,416
Refined products sold	7,511	7,519	7,247	7,099	6,761
Natural gas sold ³	9,864	9,251	9,334	9,384	9,095
Total					
Crude oil & NGL reserves ¹	7,003	6,592	6,471	5,778	5,695
Natural gas reserves ²	22,785	24,751	25,539	25,730	26,218
Crude oil produced	1,695	1,621	1,506	1,509	1,456
Crude oil processed	2,496	2,410	2,454	2,413	2,362
Refined products sold	3,771	3,792	3,682	3,774	3,658
Natural gas sold ³	4,894	4,780	4,674	4,839	4,837
Royal Dutch/Shell					
Crude oil & NGL reserves ¹	3,745	3,466	3,270	2,751	2,620
Natural gas reserves ²	25,050	24,912	30,058	22,825	25,927
Crude oil produced	2,173	1,998	1,948	1,818	1,693
Crude oil processed	4,162	3,981	3,862	3,779	3,388
Refined products sold	7,600	7,057	6,485	6,625	6,568
Natural gas sold ³	8,808	8,263	8,368	8,214	8,569
Chevron					
Crude oil & NGL reserves ¹	5,511	5,626	5,294	4,665	4,735
Natural gas reserves ²	16,128	20,466	19,910	19,137	19,022
Crude oil produced	1,710	1,669	1,732	1,756	1,649
Crude oil processed	1,958	1,883	1,989	1,833	1,858
Refined products sold	3,874	3,725	3,621	3,484	3,429
Natural gas sold ³	6,558	7,899	10,529	11,416	11,441
Total majors					
Crude oil & NGL reserves ¹	34,665	33,273	32,496	29,760	30,721
Natural gas reserves ²	169,975	181,484	185,235	177,084	177,051
Crude oil produced	10,680	10,373	10,342	10,113	9,604
Crude oil processed	16,936	16,396	16,106	15,723	15,179
Refined products sold	29,154	27,981	26,836	26,606	26,114
Natural gas sold ³	38,627	38,617	41,322	41,996	42,276

Notes: Chevron and Texaco merged to create ChevronTexaco in October 2001, and changed their name to Chevron in May 2005. Chevron then merged with Unocal in August 2005. Data include companies' shares in all operations in which they have an interest.

1. Million barrels, as at year-end.
2. Billion cubic feet, as at year-end.
3. Million cubic feet/day.

Table 78

Major oil companies

Revenues, operating costs, deductions, taxation and net income of the major oil companies, 2004–2008 (m \$)

	2004	2005	2006	2007	2008
BP					
Revenues ¹	204,456	245,486	274,316	291,438	367,053
Cost of sales ²	181,942	216,699	239,763	262,626	328,843
Income tax (benefit)	7,082	9,473	12,331	10,442	12,617
Special deductions	–	–	–	–	–
Net income (loss)	15,432	19,314	22,222	18,370	25,593
ExxonMobil					
Revenues ³	291,252	358,955	365,467	390,328	459,579
Cost of sales ⁴	250,011	299,523	298,065	319,854	377,829
Income tax (benefit)	15,911	23,302	27,902	29,864	36,530
Special deductions	–	–	–	–	–
Net income (loss)	25,330	36,130	39,500	40,610	45,220
Total					
Revenues ³	145,340	171,197	193,114	217,554	264,709
Cost of sales ⁴	121,121	141,240	161,111	180,888	228,327
Income tax (benefit)	10,701	14,688	17,227	18,603	20,806
Special deductions	–	–	–	–	–
Net income (loss)	13,518	15,269	14,776	18,063	15,576
Royal Dutch/Shell					
Revenues ³	337,522	306,730	318,845	355,782	458,361
Cost of sales ⁴	306,814	263,420	275,086	305,801	407,740
Income tax (benefit)	12,168	17,999	18,317	18,650	24,344
Special deductions	–	–	–	–	–
Net income (loss)	18,540	25,311	25,442	31,331	26,277
Chevron					
Revenues ³	155,300	198,200	210,118	220,904	273,005
Cost of sales ⁴	134,455	173,003	178,142	188,737	230,048
Income tax (benefit)	7,517	11,098	14,838	13,479	19,026
Special deductions	–	–	–	–	–
Net income (loss)	13,328	14,099	17,138	18,688	23,931
Total majors					
Revenues ³	1,133,870	1,280,568	1,361,860	1,476,006	1,822,707
Cost of sales ⁴	994,343	1,093,885	1,152,167	1,257,906	1,572,787
Income tax (benefit)	53,379	76,560	90,615	91,038	113,323
Special deductions	–	–	–	–	–
Net income (loss)	86,148	110,123	119,078	127,062	136,597

Notes: Chevron and Texaco merged to create ChevronTexaco in October 2001, and changed their name to Chevron in May 2005. Chevron then merged with Unocal in August 2005. Data include companies' shares in all operations in which they have an interest.

1. Includes earnings from equity interest and stockholding gain or loss.
2. Includes sales and excise taxes and interest expenses.
3. Includes dividend from related and non-consolidated companies.
4. Includes sales and excise taxes.

Costs, deductions, taxation and net income as percentage of revenues of the major oil companies, 2004–2008

	2004	2005	2006	2007	2008
BP					
Revenues	100	100	100	100	100
Cost of sales	89.0	88.3	87.4	90.1	89.6
Income tax (benefit)	3.5	3.9	4.5	3.6	3.4
Special deductions	–	–	–	–	–
Net income (loss)	7.5	7.9	8.1	6.3	7.0
ExxonMobil					
Revenues	100	100	100	100	100
Cost of sales	85.8	83.4	81.6	81.9	82.2
Income tax (benefit)	5.5	6.5	7.6	7.7	7.9
Special deductions	–	–	–	–	–
Net income (loss)	8.7	10.1	10.8	10.4	9.8
Total					
Revenues	100	100	100	100	100
Cost of sales	83.3	82.5	83.4	83.1	86.3
Income tax (benefit)	7.4	8.6	8.9	8.6	7.9
Special deductions	–	–	–	–	–
Net income (loss)	9.3	8.9	7.7	8.3	5.9
Royal Dutch/Shell					
Revenues	100	100	100	100	100
Cost of sales	90.9	85.9	86.3	86.0	89.0
Income tax (benefit)	3.6	5.9	5.7	5.2	5.3
Special deductions	–	–	–	–	–
Net income (loss)	5.5	8.3	8.0	8.8	5.7
Chevron					
Revenues	100	100	100	100	100
Cost of sales	86.6	87.3	84.8	85.4	84.3
Income tax (benefit)	4.8	5.6	7.1	6.1	7.0
Special deductions	–	–	–	–	–
Net income (loss)	8.6	7.1	8.2	8.5	8.8
Total majors					
Revenues	100	100	100	100	100
Cost of sales	87.7	85.4	84.6	85.2	86.3
Income tax (benefit)	4.7	6.0	6.7	6.2	6.2
Special deductions	–	–	–	–	–
Net income (loss)	7.6	8.6	8.7	8.6	7.5

Notes: Chevron and Texaco merged to create ChevronTexaco in October 2001, and changed their name to Chevron in May 2005. Chevron then merged with Unocal in August 2005. Data include companies' shares in all operations in which they have an interest.

Table 80

Major oil companies

Capital and exploratory expenditure of the major oil companies, 2004–2008 (m \$)

	2004	2005	2006	2007	2008
BP	16,651	14,149	17,231	20,641	30,700
Exploration ¹	11,412	10,398	13,252	14,207	22,227
Production	na	na	na	na	na
Transportation	na	na	na	na	na
Refining and chemicals ²	na	na	na	na	na
Marketing ³	2,983	2,845	3,127	5,495	6,634
Others	2,256	906	852	939	1,839
ExxonMobil⁴	14,885	17,699	19,855	20,853	26,143
Exploration ¹	11,715	14,470	16,231	15,724	19,734
Production	na	na	na	na	na
Transportation	na	na	na	na	na
Refining and chemicals ²	690	654	756	1,782	2,819
Marketing ⁵	2,405	2,495	2,729	3,303	3,529
Others	75	80	139	44	61
Total	10,812	13,928	14,882	16,064	20,062
Exploration ¹	7,696	10,091	11,302	12,172	14,733
Production	na	na	na	na	na
Transportation	na	na	na	na	na
Refining and chemicals ²	1,129	1,387	1,249	1,248	1,580
Marketing ³	1,891	2,213	2,229	2,570	3,556
Others	96	237	102	74	193
Royal Dutch/Shell	13,566	15,916	23,096	24,105	35,112
Exploration ¹	8,699	10,858	16,638	15,654	25,056
Production	na	na	na	na	na
Transportation	na	na	na	na	na
Refining and chemicals ²	529	387	821	1,415	2,085
Marketing ⁵	4,131	4,383	5,372	6,622	7,730
Others	207	288	265	414	241
Chevron	8,315	11,063	16,611	20,026	22,775
Exploration ¹	6,321	8,389	12,819	15,538	17,460
Production	na	na	na	na	na
Transportation ³	1,329	2,150	3,175	3,443	4,205
Refining and chemicals ²	150	151	200	271	485
Marketing	na	na	na	na	na
Others ⁶	515	373	417	774	625
Total majors	64,229	72,755	90,695	101,689	134,792
Exploration	45,843	54,206	70,242	73,295	99,210
Production	na	na	na	na	na
Transportation	1,329	2,150	3,175	3,443	4,205
Refining and chemicals	2,498	2,579	3,026	4,716	6,969
Marketing	11,410	11,936	12,477	17,990	21,449
Others	3,149	1,884	1,775	2,245	2,959

Notes: Chevron and Texaco merged to create ChevronTexaco in October 2001, and changed their name to Chevron in May 2005. Chevron then merged with Unocal in August 2005. Data include companies' shares in all operations in which they have an interest.

1. Exploration and production.

2. Chemicals only.

3. Refining, marketing and transportation.

4. Includes expenditures of majority owned and consolidated companies and acquisitions.

5. Refining and marketing.

6. Includes investment share in non-subsidiary companies.

General notes

Definitions

Proven crude oil reserves: the estimated quantities of all liquids statistically defined as crude oil. They consist of those quantities of crude oil which by analysis of geoscience and engineering data can be estimated with reasonable certainty to be commercially recoverable, from a given date forward, from known reservoirs and under defined economic conditions, operating methods and government regulations (*source: SPE — Petroleum Resources Management System*).

Proven natural gas reserves: are the estimated quantities of all hydrocarbons statistically defined as natural gas. They consist of those quantities of natural gas (associated and non-associated) which by analysis of geoscience and engineering data can be estimated with reasonable certainty to be commercially recoverable, from a given date forward, from known reservoirs and under defined economic conditions, operation methods and government regulations (*source: SPE — Petroleum Resources Management System*).

Rig: a derrick complete with engine-house and other equipment necessary for drilling oil and gas wells.

Well (exploratory and development): a hole drilled for the purpose of finding or producing crude oil or natural gas, or providing services related to the production of crude oil and natural gas.

Oil or gas well: a well completed for the production of oil or gas from one or more zones or reservoirs.

Completion: the installation of permanent equipment for the production of oil or gas.

Dry hole: a well found to be incapable of producing either oil or gas in sufficient quantities to justify completion as an oil or gas well.

Crude oil: a mixture of hydrocarbons that exist in a liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Production volumes reported as crude oil include:

- liquids technically defined as crude oil;
- small amounts of hydrocarbons that exist in the gaseous phase in natural underground reservoirs, but which are liquid at atmospheric pressure after being recovered from oil well (casing head) gas in lease separators;
- small amounts of non-hydrocarbons produced with the oil.

Natural gas liquids (NGLs): those reservoir gases liquefied at the surface in lease separators, field facilities or gas processing plants. NGLs consist of field condensates and natural gas plant products such as ethane, pentane, propane, butane and natural gasoline.

Natural gas: a mixture of hydrocarbon compounds and small quantities of various non-hydrocarbons existing in the gaseous phase or in solution with oil in natural underground reservoirs at reservoir conditions. The natural gas volumes refer to Standard Conditions of 60° F, 14.73 psia (15.6° C, 760 mm/Hg).

Gross production: the total flow of natural gas from oil and gas reservoirs of associated-dissolved and non-associated gas.

Marketed production: corresponds to gross production, minus the volumes of gas flared or re-injected into fields, minus the shrinkage.

Re-injection: the total volume of natural gas produced from oil and gas completions, processed through gas-processing plants and field facilities, and used for gas lift, gas injection and cycling operations.

Shrinkage: volume shrinkage due to purification and/or extraction of natural gas liquids, gas used as input to GTL plants, lease separators and plant own consumption and any other losses caused by spillage, evaporation, etc.

Refinery capacity (operable): the maximum amount of input to crude oil distillation units that can be processed in an average 24-hour period.

Barrels per calendar day (b/cd): the total number of barrels processed in a refinery within a year, divided by 365 days, thus reflecting all operational limitations.

Barrels per stream day (b/sd): the number of barrels of input that a refining facility can process within 24 hours, operating at full capacity under optimal crude and product slate conditions.

Petroleum products: products obtained from the processing of crude oil, unfinished oils, NGLs and other hydrocarbon compounds. These include aviation gasoline, motor gasoline, naphtha, kerosene, jet fuel, distillate fuel oil, residual fuel oil, liquefied petroleum gas, lubricants, paraffin wax, petroleum coke, asphalt and other products.

Gasoline: a mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in internal combustion engines; includes gasoline used in aviation.

Kerosene: medium hydrocarbon distillates in the 150° to 280° C distillation range and used as a heating fuel as well as for certain types of internal combustion engines; includes jet fuel, which is a fuel of naphtha or of kerosene type, suitable for commercial or military purposes in aircraft turbine engines.

Distillates: middle distillate type of hydrocarbons; includes products similar to number one and number two heating oils and diesel fuels. These products are used for space heating, diesel engine fuel and electrical power generation.

Residual fuel oil: fuels obtained as liquid still bottoms from the distillation of crude used alone or in blends with heavy liquids from other refinery process operations. These are used for the generation of electric power, space heating, vessel bunkering and various industrial purposes.

Output of refined products: the total amount of petroleum products produced from refinery input in a given period, excluding refinery fuels.

Consumption of refined products: inland delivery, including refinery fuels and losses, as well as products from gas plants; excluding international air and marine bunkers.

Exports of refined products: includes products from gas plants and excludes bunkers.

OPEC Basket: the OPEC Reference Basket (ORB) price was introduced on January 1, 1987. Up to June 15, 2005, it was the arithmetic average of seven selected crudes. These were: Saharan Blend (Algeria); Minas (Indonesia); Bonny Light (Nigeria); Arab Light (Saudi Arabia); Dubai (United Arab Emirates); Tia Juana Light (Venezuela); and Isthmus (Mexico). Mexico is not a Member of OPEC. As of June 16, 2005, the ORB is calculated as a production-weighted average of the OPEC Basket of crudes. These are: Saharan Blend (Algeria); Girassol (Angola — as of January 2007); Oriente (Ecuador — as of October 19, 2007); Minas (Indonesia); Iran Heavy (IR Iran); Basrah Light (Iraq); Kuwait Export (Kuwait); Ess Sider (SP Libyan AJ); Bonny Light (Nigeria); Qatar Marine (Qatar); Arab Light (Saudi Arabia); Murban (United Arab Emirates); and BCF-17 (Venezuela).

Posted price: announced price reflecting the market development of crude oil and products.

Composite barrel: a consumption weighted average of retail prices (including taxes) of the main groups of refined petroleum products.

Geneva I agreement: agreement of January 1972 between some OPEC Member Countries and the major international oil companies, which had the effect of establishing an index for quarterly adjustments of posted crude oil prices on the basis of the arithmetic average of the deviations of the exchange rates of nine major currencies against the US dollar. This was modified to an import-weighted index in 1978, accounting for exchange rates and inflation rate. The present 'modified Geneva I + US dollar' currency basket includes the US dollar, the Euro, the Japanese yen, the UK pound and the Swiss franc.

Country groupings

(OPEC Member Countries are shown in bold)

North America: Canada, Greenland, St Pierre and Miquelon, United States.

Latin America: Antigua, Argentina, Bahamas, Barbados, Belize, Bermuda, Bolivia, Brazil, British Virgin Islands, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, **Ecuador**, El Salvador, Falkland Islands (Malvinas), French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Panama (including Panama Canal Zone), Paraguay, Peru, Puerto Rico, St Kitts-Nevis-Anguilla, St Lucia, St Vincent, Suriname, Trinidad & Tobago, Turks and Caicos Islands, United States Virgin Islands, Uruguay, **Venezuela**.

Eastern Europe: Albania, Bulgaria, former Czechoslovakia (Czech Republic, Slovakia), Hungary, Poland, Romania, former Union of Soviet Socialist Republics (Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan).

Western Europe: Austria, Belgium (including Luxembourg), Cyprus, Denmark (including Faroe Islands), Finland, France (including Andorra and Monaco), Germany, Gibraltar, Greece, Iceland, Ireland, Italy (including San Marino and the Holy See), Malta, Netherlands, Norway (including Svalbard and Jan Mayen Islands), Portugal, Spain (including Canary Islands), Sweden, Switzerland (including Liechtenstein), Turkey, United Kingdom, former Yugoslavia (Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro and Slovenia).

Middle East: Bahrain, **Islamic Republic of Iran**, **Iraq**, Jordan, **Kuwait**, Lebanon, Oman, **Qatar**, **Saudi Arabia**, Syrian Arab Republic, **United Arab Emirates** (Abu Dhabi, Ajman, Dubai, Fujairah, Ras al-Khaimah, Sharjah, Umm al-Qaiwain), Yemen.

Africa: **Algeria**, **Angola**, Benin, Botswana, British Indian Ocean Territory, Burkina Faso, Burundi, Cameroon (United Republic of), Cape Verde, Central African Republic, Chad, Comoros, Congo (Republic of the), Congo (Democratic Republic of the), Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia (The), Ghana, Guinea, Guinea-Bissau, Côte d'Ivoire, Kenya, Lesotho, Liberia, **Socialist People's Libyan Arab Jamahiriya**, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, **Nigeria**, Reunion, Rwanda, St Helena, São Tomé and Príncipe, Senegal, Seychelles, Sierre Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Western Sahara, Zambia, Zimbabwe.

Asia and Pacific: Afghanistan, American Samoa, Antarctica, Australia, Bangladesh, Bhutan, Brunei, Cambodia, Canton and Enderbury Islands, China, Christmas Island, Cocos (Keeling) Islands, Cook Islands, Fiji, French Polynesia, Guam, Hong Kong, India, **Indonesia**, Japan, Johnston Island, Kiribati, Korea (Democratic People's Republic of), Korea (Republic of), Lao People's Democratic Republic, Macau, Malaysia, Maldives, Midway Islands, Mongolia, Myanmar, Nauru, Nepal, New Caledonia, New Zealand, Niue, Norfolk Island, Pacific Islands (Trust Territory), Pakistan, Papua New Guinea, Philippines, Pitcairn Island, Samoa, Singapore, Solomon Islands, Sri Lanka, Taiwan, Thailand, Tokelau, Tonga, Tuvalu, Vanuatu, Vietnam, Wake Island, Wallis and Futuna Islands.

Organization of the Petroleum Exporting Countries (OPEC). Members: Algeria (1969), Angola (2007), Ecuador (rejoined 2007), Indonesia (1962), the Islamic Republic of Iran (1960), Iraq (1960), Kuwait (1960), the Socialist People's Libyan Arab Jamahiriya (1962), Nigeria (1971), Qatar (1961), Saudi Arabia (1960), United Arab Emirates (1967), Venezuela (1960).

Abbreviations

Symbols:

- na Not available
- Nil or negligible
- * Provisional or estimated figures, as of June 10, 2009.

Currencies:

\$	US dollar	KD	Kuwaiti dinar
€	Euro	LD	Libyan dinar
AD	Algerian dinar	N	Nigerian naira
AON	Angolan New Kwanza	QRL	Qatari riyal
US\$	Ecuador	SRL	Saudi Arabian riyal
RP	Indonesian rupiah	AED	UAE dirham
IR	Iranian rial	B	Venezuelan bolivar fuerte
ID	Iraqi dinar		

Miscellaneous:

b	barrel(s)	ft	feet
b/d	barrels per day	GDP	gross domestic product
b/cd	barrels per calendar day	LNG	liquefied natural gas
b/sd	barrels per stream day	LPG	liquefied petroleum gas
bn b	billion barrels	m b	million barrels
cif	cost, insurance and freight	NGLs	natural gas liquids
cu m	cubic metres	NOC	national oil company
dwt	deadweight tonnage	t	tonne
fob	free on board		

Oil companies

ADCO	Abu Dhabi Company for Onshore Oil Operations
ADMA	Abu Dhabi Marine Areas
ADMA-OPCO	Abu Dhabi Marine Operating Company
ADNOC	Abu Dhabi National Oil Company
ADOC	Abu Dhabi Oil Company
Agip	Agip SpA
Agoco	Arabian Gulf Oil Company (SP Libyan A)
Amerada Hess	Amerada Hess Corporation
AOC	Arabian Oil Company
Aquitaine	Societe Nationale des Petroles d'Aquitaine
Aramco	Saudi Arabian Oil Company (Saudi Aramco)
Arco	Atlantic Richfield Company
Asamera	Asamera Oil
Ashland	Ashland Oil
BP	BP plc
Braspetro	Petrobras Internacional SA
Brega Marketing	Brega Petroleum Marketing Company
Buttes	Buttes Gas & Oil Company
Calasiatic	Calasiatic Petroleum Company
PT Caltex	PT Caltex Pacific Indonesia
ChevronTexaco	ChevronTexaco Corporation
Conoco	Continental Oil Company
Corpoven	Corpoven SA
DPC	Dubai Petroleum Company
EGPC	Egyptian General Petroleum Corporation
ExxonMobil	ExxonMobil Corporation

GASCO	Abu Dhabi Onshore Gas Company
Getty	Getty Oil Corporation
Gulf	Gulf Oil Corporation
Hispanoil	Hispanica de Petroleos SA
INOC	Iraq National Oil Company
Inpex	Indonesia Petroleum Ltd
JORC	Jeddah Oil Refinery Company
KRPC	Kaduna Refinery & Petrochemical Company
KNPC	Kuwait National Petroleum Company KSC
KOC	Kuwait Oil Company KSC
Lagoven	Lagoven SA
Maraven	Maraven SA
Maxus	Maxus Energy Corporation
Mobil	Mobil Oil Corporation
NIGC	National Iranian Gas Company
NIOC	National Iranian Oil Company
NNPC	Nigerian National Petroleum Corporation
NOC	National Oil Corporation (SP Libyan AJ)
NODCO	National Oil Distribution Company (Qatar)
NPHR	New Port Harcourt Refinery
Oasis	Oasis Oil Company of the SP Libyan AJ, Inc
Occidental	Occidental Petroleum Corporation
OMV	OMV Aktiengesellschaft
PDVSA	Petroleos de Venezuela SA
Pertamina	Perusahaan Pertambangan Minyak Dan Gas Bumi Negara
Petroecuador	National oil company of Ecuador
Petroindustrial	Refinery operations company of Ecuador
Petromer Trend	Petromer Trend Corporation
Petromin	The General Petroleum and Mineral Organization of Saudi Arabia
Petroproduccion	Exploration and production oil company of Ecuador
Phillips	Phillips Petroleum Company
PPMC	Pipeline and Products Marketing Company (Nigeria)
QGPC	Qatar General Petroleum Corporation (now Qatar Petroleum)
Royal Dutch/Shell	Royal Dutch Petroleum Company, The Netherlands, and Shell Transport and Trading Co, UK
Sonangol	Sociedade Nacional de Combustíveis de Angola
Sonatrach	Entreprise Nationale Sonatrach
Stancal	Standard Oil Company of California
PT Stanvac	PT Stanvac Indonesia
Tenneco	Tenneco Incorporated
Tesoro	Tesoro Indonesia Petroleum Corporation
Topco	Texas Overseas Petroleum Company
Total	Total
Union Oil	Union Oil Company of California
VOO	Veba Oil Operations (SP Libyan AJ)
Waha Oil	Waha Oil Company (SP Libyan AJ)
Wintershall	Wintershall AG
WRPC	Warri Refinery & Petrochemical Company
Zadco	Zakum Development Company
ZOC	Zueitina Oil Company (SP Libyan AJ)

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World Oil

World Petroleum Trends

Conversion factors

Crude oil

Standard factors	Metric tonne	Long ton	Barrels	Cubic metres (kilolitres)
Metric tonne	1	0.984	7.33	1.165
Long ton	1.016	1	7.45	1.128
Barrels	0.136	0.134	1	0.159
Cubic metres (kilolitres)	0.858	0.887	6.289	1

By country (b/tonne)

Algeria	7.9448
Angola	7.2730
Ecuador	6.8800
Indonesia	7.4180
IR Iran	7.2840
Iraq	7.6490
Kuwait	7.2580
SP Libyan AJ	7.5964
Nigeria	7.3995
Qatar	7.4408
Saudi Arabia	7.4029
United Arab Emirates	7.5876
Venezuela	6.6850
OPEC	7.3609

Petroleum products (b/tonne)

Gasoline	8.4998
Kerosene	7.7652
Distillates	7.2296
Residuals	6.6208

Subject index

A

	Page
Algeria:	
Crude oil exports, by destination, T 51, Graph 34	81
Crude oil production, by companies, T 42	66
Crude oil production, cumulative, T 38, Graph 6	50, 49
Refined product exports, by destination, T 53	90
Member Country facts and figures, T 1	9
Angola:	
Crude oil exports, by destination, T 51, Graph 35	81
Crude oil production, by companies, T 42	66
Crude oil production, cumulative, T 38, Graph 7	50, 49
Member Country facts and figures, T 1	9
Area, GDP per capita, in OPEC Members, T 1	9
Average spot freight rates, for all routes, T 65	100

C

Carrier fleet:	
World combined, by size, T 63	99
Liquid gas, in OPEC Members, T 62	98
Liquid gas, world, by size and type, T 61	98
Companies (parent), crude oil production (<i>see also individual OPEC Members</i>):	
Major oil companies (<i>see Oil companies</i>)	
Estimated gross share of crude oil production in OPEC Members, T 44	70
Percentage equity in companies holding producing rights in OPEC Members, T 43	69
Composite barrel and its components, in major consuming countries, T 76	120
Consumption (<i>see Refined products</i>)	
Costs (operating), revenues, deductions, taxation and net income of the major oil companies, T 78	122
Costs, deductions, taxation and net income as percentage of revenues of the major oil companies, T 79	123
Crude oil:	
Exports by destination (<i>see individual OPEC Members</i>)	
Exports, OPEC and non-OPEC, Graph 47	89
Exports, by OPEC Members, T 23	31
Exports, OPEC, by region, T 24	32
Exports, total OPEC, percentage share, by region, T 25	33
Exports, world, by country, T 52	88
Exports, world, by region, T 26	34
Exports, world, OPEC percentage to regions, Graphs 48–54	89
Imports, world, by country, T 56	94
Pipelines, in OPEC Members, T 68	106
Price, nominal and real terms, T 73	117
Prices, OPEC Reference Basket, T 71	113
Prices, spot, T 72	114
Production allocations, OPEC	6
Production, in OPEC Members, T 13	21
Production, OPEC, cumulative and net addition to reserves, Graphs 4–5	48
Production, parent companies' estimated gross share, in OPEC Members, T 44	70
Production, world, by country, T 39	61
Production, world, by region, T 14	22
Production, world, OPEC and non-OPEC, Graph 19	62
Production, world, OPEC and non-OPEC share by region, Graphs 20–26	62
Reserves, proven, by OPEC Members, T 9	17
Reserves, proven, world, by country, T 33	41
Reserves, proven, world, by region, T 10, Graph 2	18, 42
Reserves, proven, world, OPEC and non-OPEC, Graph 1	42
Reserves to production ratios, Graph 3	42
Wells, producing, in OPEC Members, T 37	47

Crude oil and refined products:	
Exports, by OPEC Members, T 29	37
Exports, world, by region, T 30	38
Crude and refined oil flows, OPEC, map	inside back cover
Current account balances, estimated, in OPEC Members, T 7	15

D

Deductions, revenues, operating costs, taxation and net income of the major oil companies, T 78	122
Deductions, costs, taxation and net income as percentage of revenues of the major oil companies, T 79	123

E

Ecuador:	
Crude oil exports, by destination, T 51, Graph 36	82
Crude oil production, by companies, T 42	66
Crude oil production, cumulative, T 38, Graph 8	51, 49
Member Country facts and figures, T 1	9
Equity, parent companies' percentage in companies holding producing rights in OPEC Members, T 43	69
Exchange rates (annual averages) for OPEC Members, T 8	16
Expenditure, capital and exploratory, of major oil companies, T 80	124
Exports, petroleum, values, of OPEC Members, T 5	13
Exports, values of OPEC Members, T 4	12
Exports (<i>see Crude oil; Natural gas; Refined products</i>)	

F

Flared (<i>see Natural gas</i>)	
Fleet (<i>see Tanker fleet</i>)	
Freight rates and costs:	
Average spot freight rates, T 65	100
Freight costs, T 66	101
Spot tanker freight rates, T 67	102

G

Gas (<i>see Natural gas</i>)	
GDP per capita, area, in OPEC Members, T 2	9
GDP, at current market prices, in OPEC Members, T 3	11

I

Imports:	
Crude oil, world, by country, T 56	94
Natural gas, world, by country, T 58	96
Refined products, world, by country, T 57	95
Values, in OPEC Members, T 6	14
Indonesia:	
Crude oil exports, by destination, T 51, Graph 37	82
Crude oil production, by companies, T 42	66
Crude oil production, cumulative, T 38, Graph 9	52, 49
Exports of refined products, by destination, T 53	90
Member Country facts and figures, T 1	9
Islamic Republic of Iran:	
Crude oil exports, by destination, T 51, Graph 33	83
Crude oil production, by companies, T 42	67

	Crude oil production, cumulative, T 38, Graph 10	53, 49
	Member Country facts and figures, T 1	9
Iraq:		
	Crude oil exports, by destination, T 51, Graph 34	83
	Crude oil production, by companies, T 42	67
	Crude oil production, cumulative, T 38, Graph 11	54, 49
	Member Country facts and figures, T 1	9
Kuwait:		
	Crude oil exports, by destination, T 51, Graph 40	84
	Crude oil production, by companies, T 42	67
	Crude oil production, cumulative, T 38, Graph 12	55, 49
	Exports of refined products, by destination, T 53	91
	Member Country facts and figures, T 1	9
Laid-up tanker and combined carrier tonnage, world, by size, T 64		99
SP Libyan AJ:		
	Crude oil exports, by destination, T 51, Graph 41	84
	Crude oil production, by companies, T 42	67
	Crude oil production, cumulative, T 38, Graph 13	56, 49
	Member Country facts and figures, T 1	9
Natural gas:		
	Exports, by OPEC Members, T 31	39
	Exports, world, by country, T 55	93
	Exports, world, by region, T 32	40
	Imports, world, by country, T 58	96
	Marketed production, and reserves to production ratios, world, Graphs 28–29	65
	Marketed production, in OPEC Members, T 15	23
	Marketed production, world, by country, T 41	64
	Marketed production, world, by region, T 16	24
	Pipelines, in OPEC Members, T 69	108
	Production, in OPEC Members, T 40	63
	Reserves, proven, OPEC, by country, T 11	19
	Reserves, proven, world, by country, T 34	43
	Reserves, proven, world, by region, T 12	20
	Net income, revenue, operating costs, deductions and taxation of the major oil companies, T 78	122
	Net income, costs, deductions and taxation as percentage of revenues of the major oil companies, T 79	123
Nigeria:		
	Crude oil exports, by destination, T 51, Graph 37	85, 84
	Crude oil production, by companies, T 42	67
	Crude oil production, cumulative, T 38, Graph 13	56, 53
	Member Country facts and figures, T 1	9
Non-petroleum values (<i>see Exports</i>)		
Oil wells, producing, in OPEC Members, T 37		47
Oil companies, major:		
	Capital and exploratory expenditure, T 80	124
	Costs, deductions, taxation and net income, as a percentage of revenue, T 79	123
	Revenue, operating costs, deductions, taxation and net income, T 78	122
	Principal operations, T 77	121

Oil production (<i>see Crude oil</i>)	
Oil reserves (<i>see Crude oil</i>)	
Operating costs, revenues, deductions, taxation and net income of the major oil companies, T 78	122

P

Petroleum values (<i>see Exports</i>)	
Pipelines:	
Crude oil, in OPEC Members, T 68	103
Gas, in OPEC Members, T 69	107
Products, refined, in OPEC Members, T 70	111
Population, in OPEC Members, T 2	10
Prices:	
Spot OPEC Reference Basket, T 71	113
Spot crude oil, T 72	114
Production (<i>see also individual OPEC Members</i>):	
Crude oil, in OPEC Members, T 13, Graph 5	21, 48
Crude oil, parent companies' estimated gross share, in OPEC Members, T 44	70
Crude oil, world, by country, T 39	61
Cumulative and net addition to reserves, Graph 4 (with table)	48
Natural gas in OPEC Members, T 40	63
Natural gas, marketed, world, by country, T 41, Graph 28	64, 65
Natural gas, marketed, in OPEC Members, T 15	23
Refined products, in OPEC Members, T 19	27
Refined products, by type, in OPEC Members, T 47	75
Refined products, world, by region, T 20	28
Refined products, world, by country, T 48	76
Products (<i>see Refined products</i>)	
Proven crude oil reserves (<i>see Crude oil</i>)	
Proven natural gas reserves (<i>see Natural gas</i>)	

Q

Qatar:	
Crude oil exports, by destination, T 51, Graph 43	85
Crude oil production, by companies, T 42	68
Crude oil production, cumulative, T 38, Graph 15	57, 49
Member Country facts and figures, T 1	9

R

Refined and crude oil flows, OPEC, map	inside back cover
Refined products:	
Consumption, in OPEC Members, T 21	29
Consumption, world, by region, T 22	30
Consumption, by type, in OPEC Members, T 49	79
Consumption, world, by country, T 50	80
Exports by destination (<i>see individual OPEC Members</i>)	
Exports, and crude oil, by OPEC Members, T 29	37
Exports, and crude oil, world, by region, T 30	38
Exports, by OPEC Members, T 27	35
Exports, world, by country, T 54	92
Exports, world, by region, T 28	36
Imports, world, by country, T 57	95
Pipelines, in OPEC Members, T 70	111
Production and consumption, OPEC vs non-OPEC, Graphs 32–33	77
Output, in OPEC Members, T 19	27
Production, by type, in OPEC Members, T 47	75
Production, world, by country, T 48	76

Output, world, by region, T 20	28
Retail prices, in OPEC Members, T 75	119
Spot prices, in major markets, T 74	118
Refinery capacity, by location, in OPEC Members, T 45	72
vs output of refined products, Graphs 30–31	77
Refining capacity, in OPEC Members, T 17	25
Refining capacity, world, by country, T 46	73
Refining capacity, world, by region, T 18	26
Re-injection (<i>see Natural gas</i>)	
Reserves, proven (<i>see Crude oil; Natural gas</i>)	
Retail refined product prices (<i>see Refined products</i>)	
Revenues, operating costs, deductions, taxation and net income of the major oil companies, T 78	122
Rigs, active, in OPEC Members and in world, T 35	44

S

Saudi Arabia:	
Crude oil exports, by destination, T 51, Graph 44	86
Crude oil production, by companies, T 42	68
Crude oil production, cumulative, T 38, Graph 16	58, 49
Exports of refined products, by destination, T 53	91
Member Country facts and figures, T 1	9
Spot tanker freight rates, T 67	102
Spot prices of refined products, in major markets, T 74	118

T

Tanker fleet:	
Development, in OPEC Members, T 59	97
Laid-up tonnage, world, T 64	99
Age, world, T 60	97
Combined carrier fleet by size, world, T 63	99
Spot tanker freight rates for all sizes, T 67	102
Taxation and net income, revenue, operating costs, deductions of the major oil companies, T 78	122
Taxation, costs, deductions and net income as percentage of revenues of the major oil companies, T 79	123

U

United Arab Emirates:	
Crude oil exports, by destination, T 51, Graph 45	86
Crude oil production, by companies, T 42	68
Crude oil production, cumulative, T 38, Graph 17	59, 49
Member Country facts and figures, T 1	9

V

Venezuela:	
Crude oil exports, by destination, T 51, Graph 46	87
Crude oil production, by companies, T 42	68
Crude oil production, cumulative, T 38, Graph 18	60, 49
Exports of refined products, by destination, T 53	91
Member Country facts and figures, T 1	9

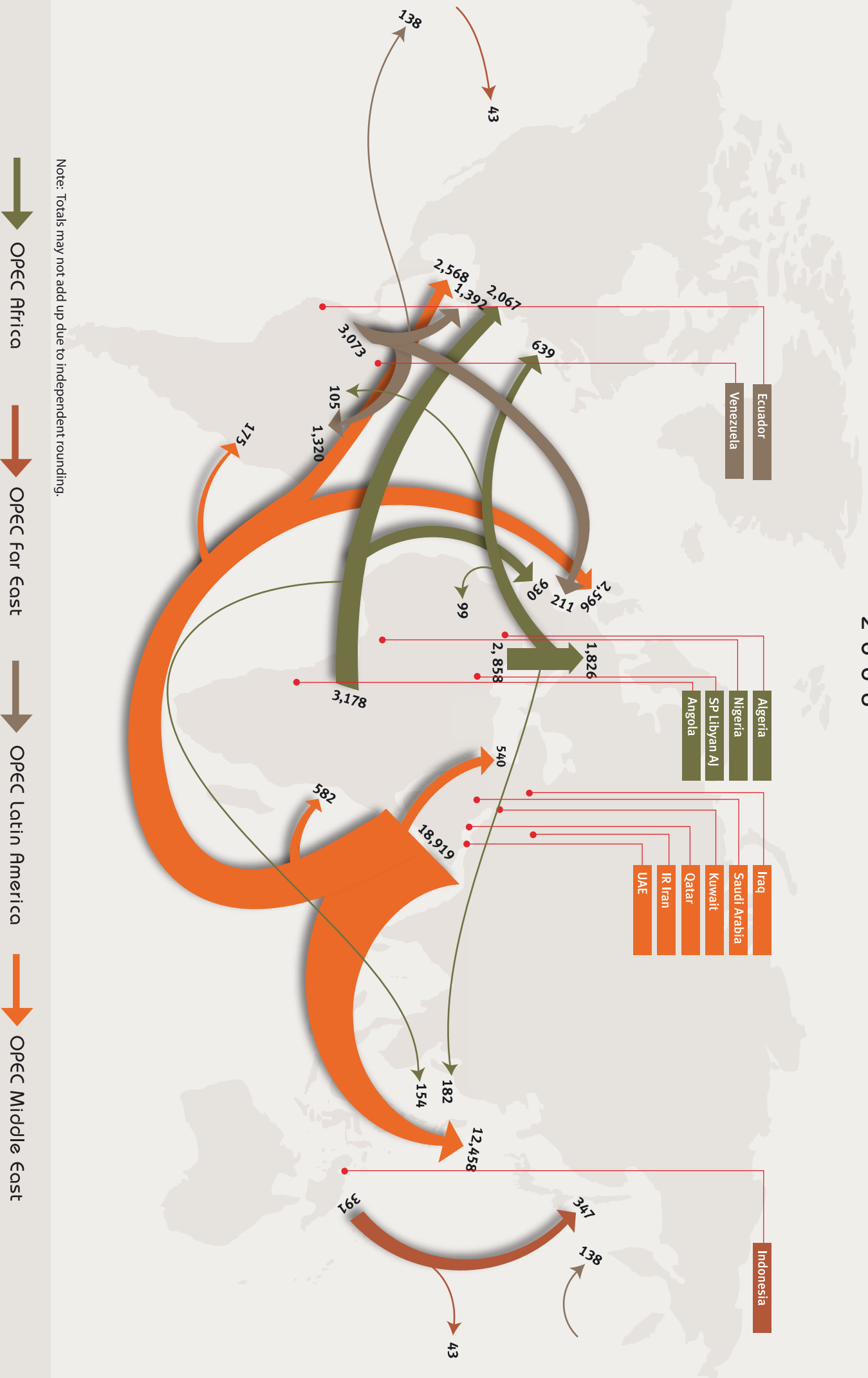
W

Wells:	
Completed, in OPEC Members, T 36	46
Producing, in OPEC Members, T 37	47

Major OPEC Flows of crude and refined oil

(1,000 b/d)

2008



← OPEC Africa

← OPEC Far East

← OPEC Latin America

← OPEC Middle East



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