Global oil and gas reserves study

2013





Table of contents

Study overview	1
Worldwide study results Capital expenditures Revenues and results of operations Oil reserves Gas reserves Performance measures	4 6 8 10 12
Worldwide company statistics Capital expenditures Revenues and results of operations Oil reserves Gas reserves Performance measures	18 22 26 30 34
Summary of 2012 study results	40
Africa and Middle East	44
Asia-Pacific	52
Canada	60
Europe	68
South and Central America	76
US	84
Other/unspecified	98
Other information Study companies and their areas of operations Peer groups Company footnotes	106 108 108

Study overview

The *Global oil and gas reserves study* is a compilation and analysis of certain oil and gas reserve disclosure information as reported by companies in their annual reports filed with the United States (US) Securities and Exchange Commission (SEC) or in their publicly available annual reports. This report presents the worldwide and regional exploration and production (E&P) results for 75 companies for the five-year period from 2008 through 2012.

The companies

The study includes companies headquartered in 18 countries across the globe. The results are generally representative of the E&P industry as a whole, with the exception that many national oil companies do not publicly disclose financial and operational data and their performance trends may vary significantly. Due to the vast quantity of reserves held by national oil companies, the companies included herein account for only approximately 9% of total worldwide oil reserves and approximately 9% of total worldwide gas reserves, based on 1 January 2013 reserves estimates published by the *Oil & Gas Journal*. For consistency and comparability purposes, this study includes only companies that report their oil and gas reserve information according to US SEC standards.

The companies have been classified into three peer groups: integrated companies (integrateds), large independents and independents. Integrated companies are those that have oil refining activities in addition to exploration and production. Independents do not have oil refining activities, but may have midstream operations in addition to their exploration and production activities. The independents were classified as "large" if their 2012 worldwide ending reserves exceeded 1 billion barrels of oil equivalent.

Acquired companies and other transactions

Due to the significance of the operations of two companies that were acquired during the five-year study period, their capital expenditures, revenues and results of operations, oil reserves and gas reserves have been included in this report for the years prior to their acquisition as further discussed below. This provides a more meaningful comparison throughout the five-year study period.

In June 2010, XTO Energy was acquired by Exxon Mobil Corporation. XTO Energy's 2008 and 2009 capital expenditures, revenues and results of operations, oil reserves and gas reserves have been included in this report. The capital expenditures, revenues and results of operations, oil reserves and gas reserves reported by ExxonMobil for 2010 include activity related to the operations acquired from XTO Energy. XTO Energy's end-of-year 2009 oil reserves and gas reserves have been included in 2010 beginning-of-year reserves with an equal volume included as sales in 2010 to reflect the ExxonMobil transaction.

In August 2011, Petrohawk Energy was acquired by BHP Billiton Group. BHP Billiton has a 30 June fiscal year-end and its fiscal year includes the period from 1 July through 30 June. Thus, the capital expenditures, revenues and results of operations, oil reserves and gas reserves reported by BHP Billiton for 2012 include activity related to the operations acquired from Petrohawk Energy from the date of acquisition. Petrohawk Energy's capital expenditures, revenues and results of operations, oil reserves and gas reserves have been included in this report for 2008 through 2011. Petrohawk Energy's end-of-year 2011 oil reserves and gas reserves have been included in 2012 beginning-of-year reserves with an equal volume included as sales in 2012 to reflect the BHP Billiton transaction.

For purposes of the peer group analysis, XTO Energy is designated as a large independent and Petrohawk Energy is an independent.

In May 2012, the Argentine Congress passed a law that provided for the expropriation of the shares of YPF S.A. owned by Repsol YPF, S.A. As a result of this action, Repsol YPF was renamed Repsol S.A. and the oil reserves and gas reserves Repsol had recorded in connection with its ownership of YPF were reported as sales in 2012. Repsol's sales related to YPF are reflected in reserve tables in this report; however, the sales are not included in the all sources production replacement rate calculations. YPF is included in this report with its 2012 beginning-of-year oil reserves and gas reserves reflected in the "Other" component of the reserves tables.

Performance measures

The performance measures presented herein were calculated based on the companies' oil and gas reserve disclosure information. EY's methodology for calculating the performance measures is defined below.

- Proved reserve acquisition costs are calculated as proved property acquisition costs and identified related asset retirement obligation costs, divided by proved reserves purchased.
- Finding and development costs are calculated as unproved property acquisition costs, exploration costs, development costs and identified related asset retirement obligation costs, divided by extensions and discoveries, revisions and improved recovery of proved reserves. The calculation excludes the effect of proved reserves purchased.
- Reserve replacement costs are calculated as total costs incurred divided by extensions and discoveries, revisions, improved recovery and purchases of proved reserves.
- Production replacement rate (all sources) is calculated as extensions and discoveries, improved recovery, revisions, purchases and sales of proved reserves, divided by production.
- Production replacement rate (excluding purchases and sales) is calculated as extensions and discoveries, improved recovery and revisions of proved reserves, divided by production.
- Production costs are calculated as production costs, including production taxes, transportation costs and production-related general and administrative expenses, divided by production.

Many individual companies calculate and report their own performance measures, and companies may use different methods that produce results different from those shown in this report.

The SEC Rule

On 31 December 2008, the SEC issued a final rule titled *Modernization of Oil and Gas Reporting* (the SEC Rule). The SEC Rule was effective for annual reports for fiscal years ending on or after 31 December 2009. The intent of the SEC Rule was to provide investors with a more meaningful and comprehensive understanding of oil and gas reserves. The SEC Rule also sought to modernize and update the oil and gas disclosure requirements to align them with current practices and changes in technology.

The main provisions of the SEC Rule include the following:

- ► The SEC Rule requires that proved reserves be estimated using the 12-month average beginning-of-month price for the year, rather than year-end prices.
- The SEC Rule limits the booking of proved undeveloped reserves to those reserves that are scheduled to be developed within five years, unless specific circumstances justify a longer time. As a result of the five-year requirement, some reserves previously classified as proved undeveloped were reclassified in 2009 as unproved reserves, resulting in the recording of downward revisions.
- The SEC Rule expands the definition of oil and gas producing activities to include synthetic products, such as oil or tar sands. Additionally, reserve quantities are now reported based on the final product sold after upgrading, rather than the product initially produced.
- The SEC Rule requires separate disclosure of information about reserve quantities and financial statement amounts by geographic area with individual countries that exceed 15% or more of proved reserves requiring separate disclosure.

The 2009 through 2012 oil and gas reserve information presented herein was determined in accordance with the SEC Rule; therefore, some comparisons of 2009 through 2012 results to 2008 and the five-year average performance measures are calculated using data presented before and after the SEC Rule was effective.

The addition of reserves associated with synthetic crude and bitumen resulted in significant oil reserve additions in Canada in 2009. These reserve additions are included in the "Revisions" component of the worldwide and Canada reserves tables but are not included in the performance measure calculations.

Report limitations

Users of this report should keep in mind the following limitations on the data presented:

- This report excludes government and privately owned companies that do not publicly disclose their financial and operational data and also excludes smaller public companies.
- Individual companies did not prepare or review the compiled data presented in this report.
- Oil and gas companies that follow US generally accepted accounting principles (GAAP) are allowed to select either successful efforts accounting or full cost accounting for their oil and gas activities. Some companies included in this report follow US GAAP, while others follow International Financial Reporting Standards (IFRS) as adopted by their applicable country. These variations in standards can result in different results for some companies.
- Data for all companies may not be comparable because of differing interpretations or applications of reporting requirements.
- Oil and gas reserve estimates are imprecise and are revised as additional information about reserves becomes known.



Other

The data included herein was obtained from IHS Herold, Inc. and, in some cases, the individual companies' annual reports.

The data included herein is based on each year's original disclosures made by the companies. Restatements or other adjustments made to costs incurred or revenues and results of operations data in subsequent years have not been incorporated herein. Restatements or other adjustments made to oil and gas reserve data are included in the "Other" component of the reserve tables, but these amounts are not included in the performance measure calculations.

All currency amounts are reported in US dollars. Foreign currency amounts were translated using the average exchange rate for the applicable year based on published exchange rates or rates disclosed by individual companies. Totals presented may not add due to rounding.

Data for the following companies are presented based on their applicable fiscal-year end: BHP Billiton (30 June), INPEX (31 March), Mitsui (31 March), National Fuel Gas (30 September) and Sasol (30 June).

The following units of measure are used in this report for gas reserves: Mcf (thousand cubic feet), Bcf (billion cubic feet) and Tcf (trillion cubic feet).

Certain amounts in this report are presented on a per barrel of oil equivalent (boe) basis. Natural gas volumes are converted to barrels at a ratio of six Mcf to one barrel of oil. This ratio has historically been viewed as being reflective of an approximate thermal equivalence between the two commodities. Prior to 2005, oil and natural gas prices were typically closely linked to this ratio. Since 2005, however, oil and natural gas price movements have reflected their different supply and demand fundamentals and thus have not necessarily moved in unison. In recent years, oil prices have risen sharply while North American natural gas prices have remained fairly weak. At one point in 2013, the observed market ratio of West Texas Intermediate oil to Henry Hub natural gas prices was as high as 50-to-1, implying that oil was more than eight times more costly than an equivalent amount of natural gas (in thermal terms). However, the volumetric conversion of six Mcf to one barrel of oil continues to be accepted as industry practice indicative of a longterm outlook on commodity pricing. In spite of this, some individual companies may use a higher ratio for their internal performance metrics to more closely reflect market equivalence.

Worldwide study results

Capital expenditures

Worldwide - capital expenditures (millions) (a)

	2008	2009	2010	2011	2012
Proved properties acquired	\$ 35,578.0	\$ 15,614.0	\$ 55,960.2	\$ 30,476.9	\$ 26,974.3
Unproved properties acquired	56,896.3	15,001.3	119,975.1	64,362.5	50,662.2
Exploration	61,067.4	56,021.5	60,984.5	73,276.3	83,513.2
Development	251,261.6	228,300.7	260,770.6	311,333.1	378,517.4
Other	1,720.4	540.7	486.4	697.0	1,345.1
Total	\$ 406,523.6	\$ 315,478.3	\$ 498,176.9	\$ 480,145.9	\$ 541,012.2

⁽a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

Total worldwide capital expenditures for the study companies increased 13% from \$480.1 billion in 2011 to \$541.0 billion in 2012. Strong growth in exploration spending and development spending was somewhat offset by declines in property acquisition costs.

Proved property acquisition costs declined 11% in 2012 to \$27.0 billion while unproved property acquisition costs fell 21% to \$50.7 billion. Property acquisition costs decreased for the study companies in all regions in 2012 except for Africa and Middle East and the US.

BHP Billiton was the leading purchaser of proved (\$4.8 billion) and unproved properties (\$10.4 billion) in 2012 as a result of its acquisition of Petrohawk Energy. This transaction was primarily focused on natural gas and provides BHP Billiton with company-operated resources in the Eagle Ford, Haynesville and Permian fields in the US.

Plains Exploration & Production posted property acquisition costs of \$4.1 billion (proved) and \$2.1 billion (unproved) in 2012, as the company acquired interests in various Gulf of Mexico fields from Royal Dutch Shell and BP.

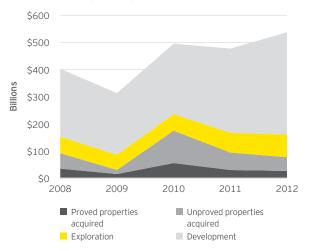
Royal Dutch Shell posted unproved property acquisition costs of \$5.2 billion along with proved costs of \$955.0 million. Its most significant activity was in the US for its purchase of acreage in West Texas from Chesapeake Energy.

Exploration costs rose 14% from \$73.3 billion in 2011 to \$83.5 billion in 2012. Development costs were \$378.5 billion in 2012, representing 22% growth from \$311.3 billion in 2011.

The largest increases in combined exploration and development spending in 2012 were reported by Royal Dutch Shell (\$10.0 billion increase) and PetroChina (\$8.7 billion increase).

On a peer group basis, the large independents accounted for the largest percentage increase in combined exploration and development spending with their combined spending increasing 26% (a \$23.8 billion increase). The integrateds had the largest dollar increase at \$51.2 billion (or 21%). The independents posted only a 5% increase in combined exploration and development spending, in part due to their reserves being more heavily weighted toward gas and lower gas prices in the US and Canada throughout much of 2012 having an impact on their cash flows and spending ability.

Worldwide - capital expenditures



Worldwide - 2012 capital expenditures - leading companies (millions)

Proved properties acquired	
BHP Billiton Group	\$ 4,746.0
Plains Exploration & Production Company (1)	 4,139.0
Linn Energy, LLC	 2,531.4
SandRidge Energy, Inc.	 1,761.6
Occidental Petroleum Corporation	 1,703.0
Apache Corporation	 1,251.0
Pengrowth Energy Corporation	 1,156.7
Royal Dutch Shell plc (1)	 955.0
Concho Resources Inc.	 828.7
Marathon Oil Corporation	759.0
Exploration	
Royal Dutch Shell plc (1)	\$ 9,159.0
•	\$ 9,159.0 6,640.0
Royal Dutch Shell plc (1)	\$
Royal Dutch Shell plc (1) Petroleo Brasileiro, S.A. (Petrobras) (1)	 6,640.0
Royal Dutch Shell plc (1) Petroleo Brasileiro, S.A. (Petrobras) (1) PetroChina Company Limited BP p.l.c. (1)	 6,640.0 6,486.7
Royal Dutch Shell plc (1) Petroleo Brasileiro, S.A. (Petrobras) (1) PetroChina Company Limited BP p.l.c. (1)	 6,640.0 6,486.7 4,581.0
Royal Dutch Shell plc (1) Petroleo Brasileiro, S.A. (Petrobras) (1) PetroChina Company Limited BP p.l.c. (1) Statoil ASA China Petroleum & Chemical Corporation (Sinopec) Exxon Mobil Corporation (1)	 6,640.0 6,486.7 4,581.0 3,592.1
Royal Dutch Shell plc (1) Petroleo Brasileiro, S.A. (Petrobras) (1) PetroChina Company Limited BP p.l.c. (1) Statoil ASA China Petroleum & Chemical Corporation (Sinopec)	 6,640.0 6,486.7 4,581.0 3,592.1 3,587.7
Royal Dutch Shell plc (1) Petroleo Brasileiro, S.A. (Petrobras) (1) PetroChina Company Limited BP p.l.c. (1) Statoil ASA China Petroleum & Chemical Corporation (Sinopec) Exxon Mobil Corporation (1) Total S.A. (1)	 6,640.0 6,486.7 4,581.0 3,592.1 3,587.7 2,861.0
Royal Dutch Shell plc (1) Petroleo Brasileiro, S.A. (Petrobras) (1) PetroChina Company Limited BP p.l.c. (1) Statoil ASA China Petroleum & Chemical Corporation (Sinopec) Exxon Mobil Corporation (1) Total S.A. (1) Anache Corporation	 6,640.0 6,486.7 4,581.0 3,592.1 3,587.7 2,861.0 2,691.6

Unproved properties acquired	
BHP Billiton Group	\$ 10,371.0
Royal Dutch Shell plc (1)	5,172.0
PetroChina Company Limited	3.896.6
Chesapeake Energy Corporation	2,981.0
Total S.A. (1)	2,528.3
Apache Corporation	2,355.0
Plains Exploration & Production Company (1)	2,102.6
Exxon Mobil Corporation (1)	1,875.0
BP p.l.c. (1)	1.763.0
CNOOC Limited	1,708.8
Development	
PetroChina Company Limited	\$ 27,559.7
Exxon Mobil Corporation (1)	27,482.0
	2.7.02.0
Royal Dutch Shell plc (1)	21.989.0
Royal Dutch Shell plc (1) Chevron Corporation (1)	21.989.0
••••••	21,989.0
Chevron Corporation (1)	21,989.0 20,984.0
Chevron Corporation (1) Petroleo Brasileiro, S.A. (Petrobras) (1) Total S.A. (1) Statoil ASA	21,989.0 20,984.0 17,878.0
Chevron Corporation (1) Petroleo Brasileiro, S.A. (Petrobras) (1) Total S.A. (1) Statoil ASA BP p.l.c. (1)	21,989.0 20,984.0 17,878.0 17,694.2 15,434.1 15,247.0
Chevron Corporation (1) Petroleo Brasileiro, S.A. (Petrobras) (1) Total S.A. (1) Statoil ASA BP p.l.c. (1) ConocoPhillips (1)	21,989.0 20,984.0 17,878.0 17,694.2 15,434.1 15,247.0
Chevron Corporation (1) Petroleo Brasileiro, S.A. (Petrobras) (1) Total S.A. (1) Statoil ASA BP p.l.c. (1)	21,989.0 20,984.0 17,878.0 17,694.2 15,434.1 15,247.0

⁽¹⁾ See company footnotes on page 108.

Revenues and results of operations

Worldwide - revenues and results of operations (millions) (a)

	2008	2009	2010	2011	2012
Revenues	\$1,082,210.0	\$ 761,396.5	\$ 965,111.9	\$1,228,879.0	\$1,246,530.6
Production costs (b)	254,952.6	212,712.0	262,854.7	343,376.7	362,369.6
Exploration expense	30,732.6	31,098.4	31,585.3	35,943.0	43,748.0
DD&A (c)	206,931.4	190,646.7	173,462.7	185,887.3	249,226.0
Other expenses (d)	23,875.8	24,679.9	21,425.2	37,982.0	32,214.7
Pre-tax results of operations	565,717.6	302,259.5	475,784.0	625,690.0	558,972.3
Income taxes	300,016.8	156,232.4	228,884.2	307,876.9	290,594.0
Results of operations	\$ 265,700.8	\$ 146,027.1	\$ 246,899.8	\$ 317,813.1	\$ 268,378.3

⁽a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

Worldwide - revenues and results of operations per boe of production (\$ per boe) (a)

	2008	2009	2010	2011	2012
Revenues	\$ 64.91	\$ 41.40	\$ 51.10	\$ 65.54	\$ 64.94
Production costs	15.29	11.56	13.92	18.31	18.88
Exploration expense	1.84	1.69	1.67	1.92	2.28
DD&A	12.41	10.37	9.18	9.91	12.98
Other expenses	 1.43	 1.34	 1.13	 2.03	 1.68
Pre-tax results of operations	 33.93	16.43	 25.19	 33.37	 29.12
Income taxes	18.00	8.49	12.12	16.42	15.14
Results of operations	\$ 15.94	\$ 7.94	\$ 13.07	\$ 16.95	\$ 13.98

⁽a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

Worldwide after-tax profits for the study companies declined 16% from \$317.8 billion in 2011 to \$268.4 billion in 2012.

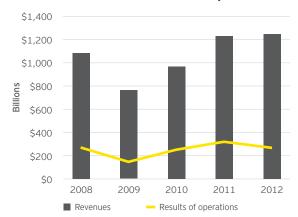
Combined oil and gas production increased 2% in 2012, and revenues saw a 1% increase on an absolute basis, while revenues on a per-boe-of-production basis decreased 1%.

Production costs were \$362.4 billion in 2012 compared with \$343.4 billion in 2011, representing a 6% increase. This change was primarily driven by lease operating expenses, which grew 8% from \$193.9 billion in 2011 to \$210.3 billion in 2012.

Depreciation, depletion and amortization (DD&A) was \$249.2 billion in 2012 compared with \$185.9 billion in 2011. Recurring DD&A charges increased 20% in 2012 while property impairments of \$33.8 billion were recorded. Natural gas producers in Canada and the US

were heavily impacted by low natural gas prices with the largest property impairments recorded in 2012 being recorded by Encana (\$4.7 billion), Chesapeake Energy (\$3.3 billion) and Ultra Petroleum (\$3.0 billion).

Worldwide - revenues and results of operations



Worldwide - 2012 revenues and results of operations - leading companies (millions)

Revenues	
Exxon Mobil Corporation (1)	\$106,545.0
Petroleos Mexicanos (PEMEX)	101,342.8
PetroChina Company Limited	97,841.9
Royal Dutch Shell plc (1)	90,772.0
Petroleo Brasileiro, S.A. (Petrobras) (1)	80,270.0
Chevron Corporation (1)	72,779.0
BP p.l.c. (1)	65,634.0
Total S.A. ⁽¹⁾	57,788.1
Statoil ASA	51,939.7
OAO LUKOIL (1)	44,848.0

 $^{^{(1)}}$ (3) See company footnotes on page 108.

Results of operations	
PetroChina Company Limited	\$ 32,811.2
Exxon Mobil Corporation (1)	27,063.0
Petroleo Brasileiro, S.A. (Petrobras) (1)	24,853.0
Chevron Corporation (1)	23,839.0
Royal Dutch Shell plc (1)	17,106.0
BP p.l.c. (1) (3)	16,144.0
Total S.A. (1)	10,679.0
Petroleos Mexicanos (PEMEX)	10,201.1
China Petroleum & Chemical Corporation (Sinopec)	9,746.3
CNOOC Limited (1)	9,720.4

Oil reserves

Worldwide - proved oil reserves (a) (million barrels) (b)

	2008	2009	2010 (c)	2011	2012 (d)
Beginning of year	126,850.4	132,252.3	140,753.9	143,108.6	148,074.7
Additions:					
Extensions and discoveries	5,075.8	7,142.3	7,256.1	8,846.2	9,903.6
Improved recovery	1,042.7	1,034.5	1,549.2	1,030.9	1,482.2
Revisions (e)	829.7	12,906.5	5,446.2	6,281.1	5,728.5
Production	(10,400.0)	(11,486.2)	(11,674.5)	(11,312.6)	(11,558.6)
Purchases	593.8	711.6	2,399.7	1,350.0	1,175.0
Sales (f)	(980.0)	(1,731.8)	(2,731.7)	(909.6)	(2,920.5)
Other (g)	9,239.9	(75.2)	109.8	(319.8)	589.7
End of year	132,252.3	140,753.9	143,108.6	148,074.7	152,474.7

- (a) Includes condensate and natural gas liquids for all years and includes synthetic crude and bitumen for 2009 through 2012.
- (b) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.
- (c) Beginning-of-year reserves for 2010 include 387.6 million barrels, which represent XTO Energy's end-of-year 2009 gas reserves. Sales for 2010 include 387.6 million barrels to reflect the sale of XTO Energy's reserves to ExxonMobil.
- (d) Beginning-of-year reserves for 2012 include 114.8 million barrels, which represent Petrohawk Energy's end-of-year 2011 oil reserves. Sales for 2012 include 114.8 million barrels, to reflect the sale of Petrohawk Energy's reserves to BHP Billiton.
- (e) Revisions for 2009 include 6,479.6 million barrels related to the addition of synthetic crude and bitumen due to the SEC Rule. These reserves are not included in the performance measure calculations.
- (f) Sales for 2012 include 584.0 million barrels for the expropriation process of Repsol's shares in YPF. This amount is not included in the all sources production replacement rate calculation.
- (g) Includes transfers, reclassifications and other. The 2008 figure includes 9,413.8 million barrels related to the first-time inclusion of investments accounted for by the equity method. The 2012 figure includes 586.0 million barrels, which represents YPF's 2012 beginning-of-year oil reserves.

Worldwide end-of-year reserves for the study companies grew 3% in 2012 and reached 152.5 billion barrels. Oil reserves increased in all regions in 2012, except for Europe and Africa and Middle East.

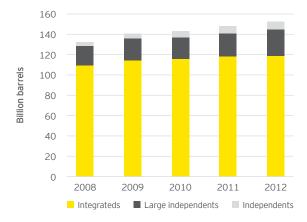
Extensions and discoveries were 9.9 billion barrels in 2012, representing a 12% increase from 2011. For the second consecutive year, ExxonMobil posted the largest extensions and discoveries (760.0 million barrels) with its activity being concentrated in the US and Canada. PetroChina and Rosneft recorded extensions and discoveries of 737.0 million barrels and 736.0 million barrels, respectively, in Asia-Pacific.

After decreasing in 2011, oil production rose 2% in 2012 to 11.6 billion barrels. The largest increases in oil production were reported by PetroChina (31.0 million barrel increase) and Marathon Oil (25.0 million barrel increase). PetroChina's production growth was largely due to increased volumes from Asia-Pacific's Changqing field. Marathon Oil's largest production gains were reported in the US and Africa.

Purchases of oil reserves were 1.2 billion barrels in 2012. ExxonMobil (219.0 million barrels) was the leading purchaser of oil reserves with most of its activity in the US. Plains Exploration & Production followed with purchases of 113.2 million barrels for its previously discussed acquisitions.

Sales of oil reserves were 2.9 billion barrels in 2012, with Rosneft (806.0 million barrels) reporting the largest sales. Repsol's sales of oil reserves were 595.0 million barrels, which primarily related to the expropriation of its shares in YFP by the Argentine government.

Worldwide - end-of-year proved oil reserves



Worldwide – 2012 proved oil reserves – leading companies (million barrels)

Ending reserves	
OJSC Rosneft Oil Company (2)	16,773.0
OAO LUKOIL (1)	13,381.0
Exxon Mobil Corporation (1)	12,816.0
Petroleos Mexicanos (PEMEX)	11,424.0
PetroChina Company Limited	11,018.0
Petroleo Brasileiro, S.A. (Petrobras) (1)	10,961.3
BP p.l.c. ⁽¹⁾	10,050.0
Chevron Corporation (1)	6,481.0
Royal Dutch Shell plc (1)	6,196.0
Total S.A. ⁽¹⁾	5,685.0

Production	
Petroleos Mexicanos (PEMEX)	1,053.0
PetroChina Company Limited	917.0
OJSC Rosneft Oil Company (2)	885.0
Exxon Mobil Corporation (1)	799.0
BP p.l.c. ⁽¹⁾	749.0
Petroleo Brasileiro, S.A. (Petrobras) (1)	741.5
OAO LUKOIL (1)	677.0
Chevron Corporation ⁽¹⁾	646.0
Royal Dutch Shell plc ⁽¹⁾	598.0
Total S.A. ⁽¹⁾	446.0

^{(1) (2)} See company footnotes on page 108.

Gas reserves

Worldwide - proved gas reserves (Bcf) (a)

	2008	2009	2010 (b)	2011	2012 (c)
Beginning of year	513,959.3	596,255.6	617,350.1	633,773.9	636,954.6
Additions:					
Extensions and discoveries	36,381.4	60,034.2	52,150.4	59,012.5	64,792.2
Improved recovery	2,416.1	1,875.5	2,801.8	1,530.0	2,135.3
Revisions	10,873.4	(9,439.1)	8,440.0	2,158.5	(28,344.7)
Production	(37,628.7)	(41,440.8)	(43,277.1)	(44,617.0)	(45,814.4)
Purchases	10,583.0	17,649.6	20,451.6	12,602.6	8,507.6
Sales (d)	(5,070.9)	(7,580.2)	(24,199.5)	(13,755.7)	(16,347.1)
Other (e)	64,742.0	(4.6)	56.6	(13,750.2)	2,400.8
End of year	596,255.6	617,350.1	633,773.9	636,954.6	624,284.3

- (a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.
- (b) Beginning-of-year reserves for 2010 include 12.501.7 Bcf, which represent XTO Energy's end-of-year 2009 gas reserves. Sales for 2010 include 12,501.7 Bcf to reflect the sale of XTO Energy's reserves to ExxonMobil.
- (c) Beginning-of-year reserves for 2012 include 3,355.1 Bcf, which represent Petrohawk Energy's end-of-year 2011 gas reserves. Sales for 2012 include 3,355.1 Bcf to reflect the sale of Petrohawk Energy's reserves to BHP Billiton.
- (d) Sales for 2012 include 2,397.0 Bcf for the expropriation process of Repsol's shares in YPF. This amount is not included in the all sources production replacement rate calculation.
- (e) Includes transfers, reclassifications and other. The 2008 figure includes 63,966.7 Bcf related to the first-time inclusion of investments accounted for by the equity method. The 2011 figure includes (13,323.0) Bcf related to OAO NOVATEK's reserves that were reclassified as equity method investments. The 2012 figure includes 2,401.0 Bcf, which represents YPF's 2012 beginning-of-year gas reserves.

Worldwide gas reserves for the study companies decreased 2% in 2012, falling from 637.0 Tcf in 2011 to 624.3 Tcf in 2012. The largest declines were seen in the US and Canada, where low natural gas prices prompted the recording of significant downward reserve revisions.

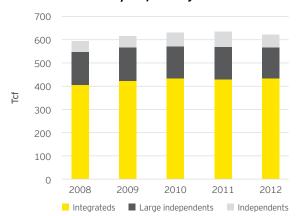
Extensions and discoveries increased 10% in 2012 to 64.8 Tcf. The largest extensions and discoveries were all related to activity in Asia-Pacific and were reported by OAO NOVATEK (13.5 Tcf), PetroChina (6.2 Tcf) and INPEX (5.4 Tcf).

Gas production increased 3% from 44.6 Tcf in 2011 to 45.8 Tcf in 2012. BHP Billiton reported the largest increase in production (452.1 Bcf increase) primarily due to increased US production related to its acquisition of Petrohawk Energy. Statoil's gas production increased 313.0 Bcf in 2012, with the largest increase seen in Norway.

Purchases of gas reserves were 8.5 Tcf in 2012, with BHP Billiton (3.3 Tcf) and LINN Energy (1.2 Tcf) accounting for more than half of the activity. LINN Energy's purchases focused on US properties purchased from BP.

Sales of gas reserves were 16.3 Tcf in 2012. Excluding the 3.4 Tcf related to Petrohawk Energy, the largest sales were reported by Repsol (2.4 Tcf), which primarily related to the expropriation of its shares in YFP by the Argentine government.

Worldwide - end-of-year proved gas reserves



Worldwide – 2012 proved gas reserves – leading companies (Bcf)

Ending reserves	
Exxon Mobil Corporation (1)	74,091.0
PetroChina Company Limited	67,581.0
Royal Dutch Shell plc ⁽¹⁾	42,792.0
BP p.l.c. ⁽¹⁾	40,305.0
OAO NOVATEK	38,452.0
Total S.A. ⁽¹⁾	30,877.0
Chevron Corporation (1)	29,195.0
OAO LUKOIL (1)	23,487.0
Eni SpA ⁽¹⁾	20,957.0
ConocoPhillips (1)	19,614.0

Production	
Exxon Mobil Corporation (1)	4,797.0
Royal Dutch Shell plc (1)	3,687.0
BP p.l.c. (1)	2,887.0
PetroChina Company Limited	2,559.0
Total S.A. (1)	2,158.0
Chevron Corporation (1)	1,857.0
OAO NOVATEK	1,781.0
Statoil ASA	1,747.0
ConocoPhillips (1)	1,722.0
Eni SpA ⁽¹⁾	1,649.0

⁽¹⁾ See company footnotes on page 108.

Performance measures

Proved reserve acquisition costs, finding and development costs, and reserve replacement costs

Worldwide - proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (\$ per boe) (a)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 15.09	\$ 4.27	\$ 9.63	\$ 8.83	\$ 10.41	\$ 9.57	\$ 9.22
FDC	24.36	12.84	17.82	16.90	21.83	18.75	18.29
RRC	23.12	11.68	16.27	15.97	20.70	17.50	17.06

⁽a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

After declining in 2011, all measures of reserve costs rose in 2012. PRAC increased 18% from \$8.83 per boe in 2011 to \$10.41 per boe in 2012. The leading purchasers of proved properties in 2012 posted diverging results per boe depending upon the mix of oil and gas reserves purchased. BHP Billiton had a 2012 PRAC of \$7.61 per boe for its heavily weighted gas purchases while Plains Exploration & Production's purchases were oil-focused and resulted in a 2012 PRAC of \$32.75 per boe.

FDC increased from \$16.90 per boe in 2011 to \$21.83 per boe in 2012. The study companies saw a 14% increase in FDC spending in 2012 while associated reserve additions declined 12% due to downward gas reserve revisions.

RRC were \$20.70 per boe in 2012 compared with \$15.97 per boe in 2011, representing a 30% increase.

On a regional basis, the highest FDC and RRC in 2012 were seen in Europe, where development spending grew in both 2011 and 2012, but reserve additions for both oil and gas declined in 2012.

Worldwide – three-year (2010-12) PRAC, FDC and RRC – leading companies* (\$ per boe)

•	
PRAC**	
OAO LUKOIL (1)	\$ 2.25
Total S.A. (1)	 3.88
Antero Resources LLC	 4.23
PDC Energy, Inc.	 5.34
National Fuel Gas Company	 5.72
Hess Corporation	 5.87
Quicksilver Resources Inc.	 5.91
Chevron Corporation ⁽¹⁾	 5.96
Cimarex Energy Co.	 6.23
Range Resources Corporation	6.30
RRC	
RRC OAO NOVATEK	\$ 0.89
	 0.89 2.88
OAO NOVATEK Antero Resources LLC	
OAO NOVATEK Antero Resources LLC OUSC Rospett Oil Company	 2.88
OAO NOVATEK Antero Resources LLC OJSC Rosneft Oil Company Sasol Limited	 2.88 4.14 4.24 5.16
OAO NOVATEK Antero Resources LLC OJSC Rosneft Oil Company Sasol Limited Range Resources Corporation	 2.88 4.14 4.24 5.16
OAO NOVATEK Antero Resources LLC OJSC Rosneft Oil Company Sasol Limited Range Resources Corporation	2.88 4.14 4.24 5.16
OAO NOVATEK Antero Resources LLC OJSC Rosneft Oil Company Sasol Limited Range Resources Corporation Cabot Oil & Gas Corporation Rosetta Resources Inc.	2.88 4.14 4.24 5.16 6.12
OAO NOVATEK Antero Resources LLC OJSC Rosneft Oil Company Sasol Limited Range Resources Corporation Cabot Oil & Gas Corporation Rosetta Resources Inc. INPEX CORPORATION	2.88 4.14 4.24 5.16 6.12 6.99

routing companies (4 per 200)	
FDC	
OAO NOVATEK	\$ 0.82
Antero Resources LLC	 2.83
OJSC Rosneft Oil Company	4.14
Sasol Limited	4.14
Range Resources Corporation	5.14
Cabot Oil & Gas Corporation	6.12
Rosetta Resources Inc.	6.96
INPEX CORPORATION	7.11
EQT Corporation	 7.63
CONSOL Energy, Inc.	 10.28

^{*} Based on companies with results for each year of the three-year period.

* Based on companies with proved acquisition costs of at least \$50 million for the three-year period.

⁽¹⁾ See company footnotes on page 108.

Production replacement rates

Oil

Worldwide - oil production replacement rates (a)

	2008	2009	2010	2011	2012	3-year	5-year
All sources	63%	118%	119%	147%	138%	135%	118%
Excluding purchases and sales	67%	127%	122%	143%	148%	138%	122%

⁽a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

The excluding purchases and sales oil production replacement was 148% in 2012, representing the highest level of the five-year study period. This rate increased from 143% in 2011, primarily due to a 12% jump in extensions and discoveries in 2012.

Net sales recorded by the study companies resulted in a slightly lower all sources rate of 138% in 2012.

On a regional basis, Canada posted the highest excluding purchases and sales oil production replacement rate in 2012 at 368%. Growth in Canada was driven by recording of additional bitumen reserves by ConocoPhillips and ExxonMobil, along with positive revisions due to strong oil prices.

Europe saw the lowest excluding purchases and sales oil production replacement rate in 2012 at 51% as recent increases in capital spending have not yet resulted in reserve growth.

Worldwide - three-year (2010-12) oil production replacement rates - leading companies*

All sources		Excluding purchases and sales			
PDC Energy, Inc.	1,081%	Range Resources Corporation	1,126%		
Laredo Petroleum Holdings, Inc.	1,042	Laredo Petroleum Holdings, Inc.	1,025		
Range Resources Corporation	939	EP Energy LLC (1)	977		
EP Energy LLC (1)	937	Chesapeake Energy Corporation	888		
QEP Resources, Inc.	917	Rosetta Resources Inc.	857		
Bill Barrett Corporation	916	PDC Energy, Inc.	856		
Rosetta Resources Inc.	846	Bill Barrett Corporation	784		
Continental Resources, Inc.	827	Continental Resources, Inc.	711		
Vanguard Natural Resources, LLC	785	QEP Resources, Inc.	711		
Chesapeake Energy Corporation	776	Sasol Limited	652		

^{*} Based on companies with at least 5 million barrels of production for the three-year period and companies that had results for each year of the three-year period.

⁽¹⁾ See company footnotes on page 108.

Gas

Worldwide - gas production replacement rates (a)

	2008	2009	2010	2011	2012	3-year	5-year
All sources	147%	151%	138%	138%	72%	115%	128%
Excluding purchases and sales	132%	127%	146%	141%	84%	123%	125%

⁽a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

Gas production replacement rates dropped significantly in 2012 as a 10% gain in extensions and discoveries was overshadowed by downward revisions of 28.3 Tcf. The excluding purchases and sales rate was 84% in 2012 while the all sources rate was 72%. The downward revisions were driven by depressed natural gas prices in the US and Canada.

Canada and the US posted excluding purchases and sales rates of (158)% and (24)%, respectively, in 2012. The highest rate was seen in Asia-Pacific with an excluding purchases and sales rate of 284%, which was driven by the recording of 30.0 Tcf of extensions and discoveries in 2012.

Worldwide - three-year (2010-12) gas production replacement rates - leading companies*

All sources		Excluding purchases and sales	
Vanguard Natural Resources, LLC	1,422%	Antero Resources LLC	1,920%
Antero Resources LLC	1,287	Continental Resources, Inc.	702
Denbury Resources Inc.	888	Range Resources Corporation	687
Linn Energy, LLC	843	National Fuel Gas Company	589
Continental Resources, Inc.	772	Swift Energy Company	523
National Fuel Gas Company	603	INPEX CORPORATION	516
CONSOL Energy, Inc.	576	SandRidge Energy, Inc.	487
Range Resources Corporation	522	CONSOL Energy, Inc.	481
INPEX CORPORATION	512	Rosetta Resources Inc.	470
Concho Resources Inc.	501	Cabot Oil & Gas Corporation	448

^{*}Based on companies that had results for each year of the three-year period.

Production costs

Worldwide - production costs (\$ per boe) (a)

2008	2009	2010	2011	2012	3-year	5-year
\$ 15.29	\$ 11.56	\$ 13.92	\$ 18.31	\$ 18.88	\$ 17.04	\$ 15.63

⁽a) Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

Production costs per boe saw a slight 3% increase in 2012 to \$18.88 per boe. Total production costs rose 6%, while combined oil and gas production increased 2%. Lease operating costs, which were 8% higher in 2012, drove the overall increase in total costs.

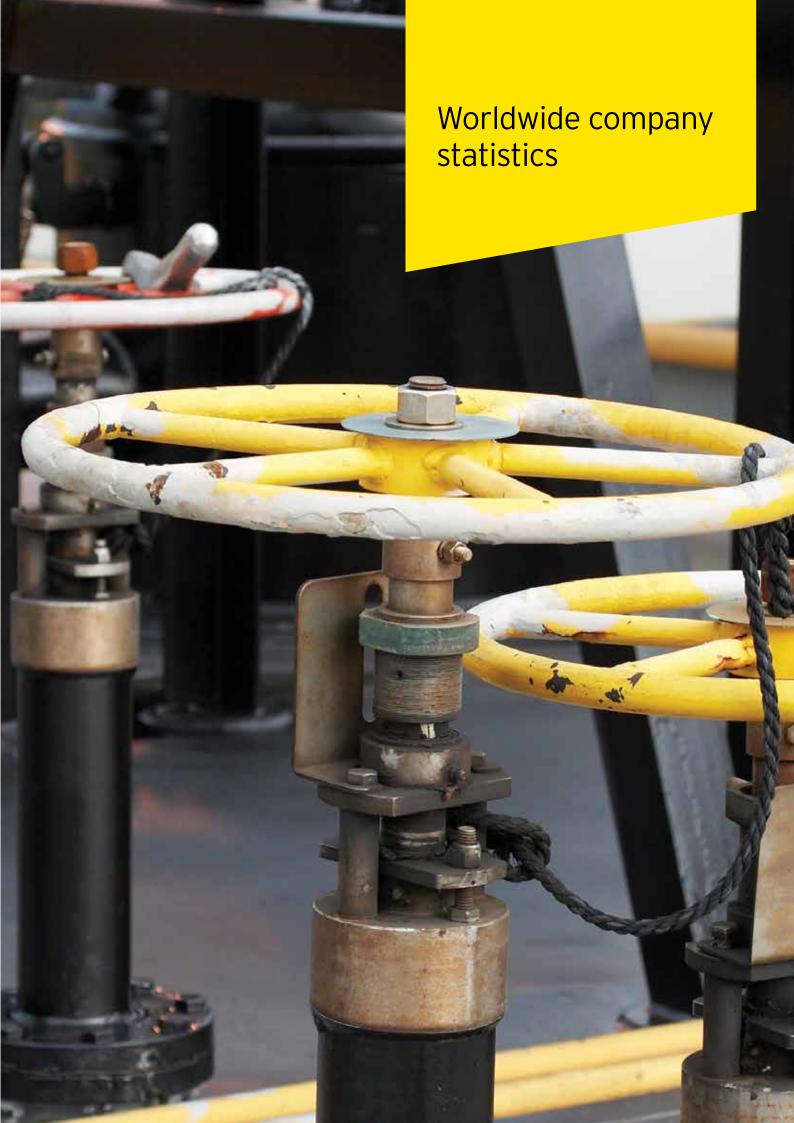
All three peer groups saw similar increases in production costs per boe in 2012, with the integrateds' and independents' costs increasing 3% each and the large independents' costs rising 4%.

Worldwide - three-year (2010-12) production costs - leading companies (\$ per boe)*

EQT Corporation	\$2.45
Southwestern Energy Company	5.52
Total S.A. (1) (5)	6.18
Chesapeake Energy Corporation	6.25
Cabot Oil & Gas Corporation	6.55
Ultra Petroleum Corporation	6.67
BG Group plc	6.68
Petroleos Mexicanos (PEMEX)	6.78
EXCO Resources, Inc.	7.01
Range Resources Corporation	7.31

^{*}Based on companies that had results for each year of the three-year period.

 $^{^{(1)}}$ (5) See company footnotes on page 108.



Worldwide – capital expenditures for the latest fiscal year

	Proved properties acquired	Unproved properties acquired	Exploration	Development	Other	Total capital expenditures
Anadarko Petroleum Corporation	\$ -	\$ 239.0	\$ 2,064.0	\$ 4,064.0	\$ -	\$ 6,367.0
Antero Resources LLC	10.3	687.4	_	839.2	9.4	1,546.2
Apache Corporation	1,251.0	2,355.0	2,689.0	7,536.0	_	13,831.0
Berry Petroleum Company	70.7	10.7	16.4	714.3	_	812.1
BG Group plc	_	61.0	1,159.0	6,796.0		8,016.0
BHP Billiton Group	4,746.0	10,371.0	1,272.0	6,225.0	_	22,614.0
Bill Barrett Corporation	6.0	163.0	32.2	754.5	8.3	964.0
BP p.l.c. ⁽¹⁾	311.0	1,763.0	4,581.0	15,247.0	_	21,902.0
Cabot Oil & Gas Corporation	-	88.9	59.2	821.8	_	969.9
Canadian Natural Resources Limited	144.1	47.0	262.1	6,406.6	-	6,859.7
Chesapeake Energy Corporation	332.0	2,981.0	2,353.0	6,733.0	- -	12,399.0
Chevron Corporation ⁽¹⁾	295.0	1,582.0	2,439.0	20,984.0	_	25,300.0
China Petroleum & Chemical Corporation (Sinopec)	_	_	3,587.7	11,279.4	_	14,867.2
Cimarex Energy Co.	2.6	117.7	109.2	1,426.9	12.5	1,669.0
CNOOC Limited (1)	-	1,708.8	2,109.0	8,106.0	-	11,923.8
Concho Resources Inc.	828.7	441.0	778.6	725.7	47.3	2,821.3
ConocoPhillips (1)	36.0	925.0	2,309.0	14,552.0	_	17,822.0
CONSOL Energy, Inc.	50.0	28.6	130.3	339.6		548.6
Continental Resources, Inc.	738.4	745.6	854.4	1,975.7	3.3	4,317.4
Denbury Resources Inc.	491.0	115.3	12.0	1,111.3		1,729.6

	Proved properties acquired	Unproved properties acquired	Exploration	Development	Other	Total capital expenditures
Devon Energy Corporation	\$ 73.0	\$ 1,178.0	\$ 655.0	6,099.0	\$ -	\$ 8,005.0
Ecopetrol S.A.	-	37.3	932.3	5,117.8	_	6,087.3
Encana Corporation	23.0	356.0	834.0	2,460.0	_	3,673.0
Energen Corporation	79.9	58.6	419.3	749.3	_	1,307.0
Eni SpA (1)	55.3	_	2,417.7	13,185.4	_	15,658.4
EOG Resources, Inc.	0.7	505.3	445.6	5,989.6	127.0	7,068.2
EP Energy LLC ⁽¹⁾	-	51.0	208.0	1,298.0	62.0	1,619.0
EQT Corporation	17.0	117.7	4.8	850.9	_	990.3
EXCO Resources, Inc.	-	47.9	57.3	346.0	1.0	452.2
Exxon Mobil Corporation ⁽¹⁾	332.0	1,875.0	2,861.0	27,482.0	_	32,550.0
Forest Oil Corporation	-	64.1	268.9	399.1	_	732.1
Hess Corporation	-	267.0	1,089.0	7,505.0	_	8,861.0
Husky Energy Inc.	6.0	15.0	363.1	4,911.0	_	5,295.1
INPEX CORPORATION (7)	-	7.6	415.4	2,186.8	_	2,609.8
Laredo Petroleum Holdings, Inc.	16.9	3.7	93.3	831.7	7.4	953.0
Linn Energy, LLC	2,531.4	181.1	0.5	1,062.0	4.7	3,779.7
Marathon Oil Corporation	759.0	505.0	1,856.0	3,527.0	_	6,647.0
Mitsui & Co., Ltd. (1)	116.5	49.5	350.6	1,860.3	-	2,377.0
Murphy Oil Corporation	311.5	132.5	449.6	3,348.4	171.7	4,413.7
National Fuel Gas Company	13.1	13.9	84.6	576.4	10.3	698.3

Worldwide – capital expenditures for the latest fiscal year

	Proved properties acquired	Unproved properties acquired	Exploration	Development	Other	Total capital expenditures
Newfield Exploration Company	3.0	64.0	993.0	853.0	\$ -	\$ 1,913.0
Nexen Inc.		12.0	752.3	2,733.1		3,497.4
Noble Energy, Inc.	-	96.0	689.0	2,993.0	_	3,778.0
OAO LUKOIL ⁽¹⁾	97.0	974.0	685.0	8,600.0	_	10,356.0
OAO NOVATEK	-	_	65.3	965.5	_	1,030.8
Occidental Petroleum Corporation	1,703.0	613.0	654.0	7,673.0	_	10,643.0
OJSC Rosneft Oil Company	-	193.2	740.5	8,885.8	-	9,819.5
OMV Aktiengesellschaft	350.5	215.7	499.9	1,458.5	49.9	2,574.5
PDC Energy, Inc.	105.3	276.2	20.7	233.1	_	635.4
Pengrowth Energy Corporation	1,156.7	705.3	72.1	556.6	4.4	2,495.2
Penn West Petroleum Ltd.	52.0	37.0	241.0	1,595.0	-	1,925.0
PetroChina Company Limited	-	3,896.6	6,486.7	27,559.7	-	37,943.0
Petrohawk Energy Corporation	-	-	-	-	-	_
Petroleo Brasileiro, S.A. (Petrobras) (1)	616.0	-	6,640.0	17,878.0	-	25,134.0
Petroleos Mexicanos (PEMEX)	_	_	2,534.6	12,042.2	_	14,576.9
Pioneer Natural Resources Company	16.9	140.5	964.6	1,824.8	58.9	3,005.8
Plains Exploration & Production Company (1)	4,139.0	2,102.6	1,241.1	835.8	_	8,318.6
QEP Resources, Inc.	714.4	692.6	14.3	1,310.0	_	2,731.3
Quicksilver Resources Inc.	_	29.3	43.5	310.7	_	383.6
Range Resources Corporation	_	188.8	379.6	1,090.2	58.0	1,716.6

	Proved properti acquire	es	Unproved properties acquired	Exploration	Development	Other	Total capital expenditures
Repsol S.A.	\$ 198	.0	\$ 499.0	\$ 1,036.5	\$ 1,830.0	\$ -	\$ 3,563.5
Rosetta Resources Inc.		_	18.8	93.5	532.0	_	644.3
Royal Dutch Shell plc ⁽¹⁾	955	.0	5,172.0	9,159.0	21,989.0	_	37,275.0
SandRidge Energy, Inc.	1,761		377.2	120.4	1,705.0	_	3,964.2
Sasol Limited	1		2.2	124.4	1,511.5	_	1,639.3
SM Energy Company	5		115.0	220.9	1,346.2	_	1,687.9
Southwestern Energy Company		_	220.8	197.3	1,492.8	_	1,910.9
Statoil ASA	51		1,100.0	3,592.1	15,434.1	_	20,177.8
Swift Energy Company	37	2	15.6	-	670.3	_	723.1
Talisman Energy Inc.	21		201.0	834.0	3,003.0	709.0	4,768.0
Total S.A. ⁽¹⁾	616		2,528.3	2,691.6	17,694.2	_	23,530.1
Ultra Petroleum Corporation	•	_	48.0	199.6	587.6	_	835.2
Vanguard Natural Resources, LLC	705		-	- -	50.4	_	755.6
Whiting Petroleum Corporation	19		119.2	436.1	1,667.2	_	2,242.2
WPX Energy, Inc.	•	_	111.0	54.0	1,165.0	_	1,330.0
YPF S.A. ⁽¹⁾	•••••••••	_	-	413.3	2,017.4	_	2,430.7
All companies	\$ 26,974	.3	\$ 50,662.2	\$ 83,513.2	\$ 378,517.4	\$ 1,345.1	\$ 541,012.2
Integrateds	\$ 3,995	1	\$ 20,154.8	\$ 52,927.2	\$ 240,526.9	\$ 49.9	\$ 317,653.9
Large independents	9,101	7	22,395.8	21,115.2	95,112.7	243.9	147,969.3
Independents	13,877	5	8,111.7	9,470.8	42,877.7	1,051.4	75,389.1

 $^{^{(1)-(8)}}$ See company footnotes on page 108.

Worldwide – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Anadarko Petroleum Corporation (4)	\$ 12,396.0	\$ 3,445.0	\$ 1,946.0	\$ 4,074.0	\$ -	\$ 912.3	\$ 2,018.7
Antero Resources LLC	390.4	185.5	15.3	194.7	-	(2.0)	(3.2)
Apache Corporation	16,947.0	4,088.0	_	7,011.0	232.0	2,810.0	2,806.0
Berry Petroleum Company	872.6	311.6	20.9	226.0	_	106.6	207.6
BG Group plc	11,444.0	1,748.0	684.0	2,177.0	1,579.0	2,876.0	2,380.0
BHP Billiton Group	12,707.0	3,430.0	735.0	5,889.0	_	1,121.0	1,532.0
Bill Barrett Corporation	773.4	204.8	8.8	394.7	_	121.8	43.3
BP p.l.c. ^{(1) (3) (6)}	65,634.0	28,202.0	1,600.0	13,313.0	(2,592.0)	8,967.0	16,144.0
Cabot Oil & Gas Corporation	1,161.6	310.4	37.5	451.4	_	161.6	200.7
Canadian Natural Resources Limited	12,024.8	4,739.9		4,322.7	151.1	733.3	2,077.8
Chesapeake Energy Corporation	6,278.0	1,492.0	_	5,822.0	_	(404.0)	(632.0)
Chevron Corporation (1)	72,779.0	15,979.0	1,710.0	11,703.0	(2,110.0)	21,658.0	23,839.0
China Petroleum & Chemical Corporation (Sinopec)	36,059.8	13,828.4	2,461.8	6,385.4	_	3,637.8	9,746.3
Cimarex Energy Co.	1,581.7	402.9	_	484.5	13.0	251.2	430.0
CNOOC Limited (1)	31,388.5	10,542.8	1,444.3	5,436.2	219.5	4,025.3	9,720.4
Concho Resources Inc.	1,692.4	343.7	39.8	575.1	4.2	277.8	451.7
ConocoPhillips (1)	39,515.0	12,545.0	1,511.0	8,008.0	963.0	8,354.0	8,134.0
CONSOL Energy, Inc.	709.8	337.9	_	203.0	39.0	49.6	80.4
Continental Resources, Inc.	2,379.4	423.9	23.5	805.5	_	428.1	698.5
Denbury Resources Inc.	2,414.7	682.3		490.5	52.8	457.8	731.3

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Devon Energy Corporation	\$ 7,153.0	\$ 2,765.0	\$ -	\$ 4,482.0	\$ 109.0	\$ (96.0)	\$ (107.0)
Ecopetrol S.A.	23,627.7	3,742.2	774.4	1,871.4	3,615.3	4,483.8	9,140.6
Encana Corporation	6,125.0	2,094.0		6,514.0	_	(814.0)	(1,669.0)
Energen Corporation	1,167.2	306.4	19.4	394.7	7.5	157.7	281.6
Eni SpA ⁽¹⁾	43,764.1	6,572.8	2,388.1	8,684.4	2,228.7	14,540.9	9,349.3
EOG Resources, Inc.	7,999.5	2,070.1	200.5	4,295.2	_	722.9	710.8
EP Energy LLC (1)	1,709.0	508.0	52.0	660.0	_	43.0	446.0
EQT Corporation	793.8	96.2	10.4	409.6	-	109.7	168.0
EXCO Resources, Inc.	612.7	207.5	-	1,649.9	3.9	_	(1,248.5)
Exxon Mobil Corporation (1)	106,545.0	32,605.0	1,866.0	13,201.0	-	31,810.0	27,063.0
Forest Oil Corporation	605.5	156.9	_	1,347.8	6.5	173.4	(1,079.2)
Hess Corporation	10,893.0	3,066.0	1,070.0	3,435.0	-	1,664.0	1,658.0
Husky Energy Inc.	5,633.3	1,829.7	350.1	2,104.8	-	390.2	958.4
INPEX CORPORATION (7)	14,625.9	5,006.3	148.7	277.2	-	6,435.6	2,758.1
Laredo Petroleum Holdings, Inc.	583.6	105.0	_	237.1	1.2	83.7	156.6
Linn Energy, LLC	1,725.9	525.0	1.9	1,001.9	(1.4)	_	198.5
Marathon Oil Corporation ⁽⁶⁾	12,400.0	2,845.0	729.0	2,759.0	_	4,587.0	1,480.0
Mitsui & Co., Ltd. (1)	4,505.6	763.8	249.5	1,002.5	_	1,167.9	1,321.9
Murphy Oil Corporation	4,608.1	1,234.4	251.1	1,574.2	38.4	605.0	905.0
National Fuel Gas Company	488.6	107.0	_	182.8	3.1	81.9	113.8

Worldwide – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Newfield Exploration Company	\$ 2,560.0	\$ 851.0	\$ -	\$ 2,415.0	\$ -	\$ (239.0)	\$ (467.0)
Nexen Inc.	6,386.6	1,474.6	429.2	1,895.8	400.2	1,746.6	440.3
Noble Energy, Inc.	4,244.0	780.0	438.0	1,474.0	_	524.0	1,028.0
OAO LUKOIL (1)	44,848.0	29,197.0	370.0	3,170.0	-	2,469.0	9,642.0
OAO NOVATEK	5,944.1	2,641.1	65.1	340.9	-	579.4	2,317.7
Occidental Petroleum Corporation	18,950.0	4,856.0	345.0	5,664.0	990.0	2,919.0	4,176.0
OJSC Rosneft Oil Company	39,084.7	20,572.6	740.5	6,181.4	128.8	2,736.6	8,724.8
OMV Aktiengesellschaft	7,599.1	1,885.3	515.9	1,414.7	128.0	1,569.6	2,085.6
PDC Energy, Inc.	307.1	77.5	22.6	309.2	4.1	(40.4)	(65.9)
Pengrowth Energy Corporation	1,203.3	483.6	-	645.9	20.4	88.6	(35.1)
Penn West Petroleum Ltd.	2,872.1	1,048.4	-	1,525.6	-	77.5	220.6
PetroChina Company Limited	97,841.9	37,404.1	3,799.3	14,975.6	671.5	8,180.1	32,811.2
Petrohawk Energy Corporation	-	-	-	-	-	-	-
Petroleo Brasileiro, S.A. (Petrobras) (1)	80,270.0	28,826.0	3,974.0	7,502.0	1,932.0	13,183.0	24,853.0
Petroleos Mexicanos (PEMEX)	101,342.8	9,271.5	1,962.7	9,300.5	2,343.3	68,263.7	10,201.1
Pioneer Natural Resources Company	3,141.9	823.4	206.3	1,342.8	9.9	250.5	509.1
Plains Exploration & Production Company ⁽¹⁾	2,679.7	681.3	40.3	1,152.0	(0.4)	312.5	493.9
QEP Resources, Inc.	1,393.4	501.1	11.2	971.4	-	(33.6)	(56.7)
Quicksilver Resources Inc.	630.9	287.0	-	2,759.0	-	(799.3)	(1,615.7)
Range Resources Corporation	1,393.1	375.5	69.8	606.1		164.4	177.4

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Repsol S.A.	\$ 6,448.0	\$ 1,580.5	\$ 708.6	\$ 1,120.1	\$ 96.5	\$ 1,659.0	\$ 1,283.4
Rosetta Resources Inc.	573.0	111.0	-	154.2	-	115.7	192.0
Royal Dutch Shell plc ⁽¹⁾	90,772.0	25,324.0	3,677.0	12,671.0	5,121.0	26,873.0	17,106.0
SandRidge Energy, Inc.	1,759.3	524.4		568.0	29.0	(437.6)	1,075.5
Sasol Limited	6,028.8	2,140.3	72.7	532.8	_	1,181.9	2,101.2
SM Energy Company	1,533.4	391.9	90.2	953.1	_	34.4	63.7
Southwestern Energy Company	1,948.2	505.3		2,704.9	_	(502.7)	(759.3)
Statoil ASA	51,939.7	5,276.5	3,110.9	9,624.8	2,681.2	21,552.7	9,693.6
Swift Energy Company	554.2	164.3	_	247.2	5.1	58.8	78.7
Talisman Energy Inc.	7,202.0	2,664.0	616.0	5,320.0	_	(848.0)	(550.0)
Total S.A. (1) (5)	57,788.1	5,522.1	1,863.4	10,416.7	12,972.0	16,334.9	10,679.0
Ultra Petroleum Corporation	810.0	268.7	_	3,361.4	_	(679.7)	(2,140.5)
Vanguard Natural Resources, LLC	311.3	103.7	_	350.2	_	_	(142.7)
Whiting Petroleum Corporation	2,226.0	548.0	59.1	792.6	_	309.4	516.8
WPX Energy, Inc.	2,228.0	1,181.0	83.0	1,191.0	14.0	(88.0)	(153.0)
YPF S.A. ⁽¹⁾	7,000.2	4,177.7	127.9	1,520.7	104.4	388.2	681.3
All companies	\$1,246,530.6	\$ 362,369.6	\$ 43,748.0	\$ 249,226.0	\$ 32,214.7	\$ 290,594.0	\$ 268,378.3
Integrateds	\$ 960,715.8	\$ 278,577.8	\$ 33,107.9	\$ 138,367.0	\$ 27,320.6	\$ 252,900.5	\$ 230,442.1
Large independents	219,526.6	63,742.0	8,468.0	70,563.9	4,253.5	35,230.9	37,268.2
Independents	66,288.2	20,049.8	2,172.1	40,295.1	640.7	2,462.5	668.0

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.(d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Worldwide – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Anadarko Petroleum Corporation	1,145.0	12.0	-	178.0	(115.0)	-	(48.0)	-	1,172.0	23
Antero Resources LLC	181.0	118.0	_	4.0	_	_	(97.0)	_	206.0	54
Apache Corporation	1,369.5	227.4	-	(29.7)	(145.1)	19.0	(0.1)	-	1,441.0	19
Berry Petroleum Company	185.9	8.5	-	12.1	(10.0)	8.3	(0.6)	-	204.2	55
BG Group plc	1,105.4	237.2	-	120.4	(63.3)	_	0.8	_	1,400.5	20
BHP Billiton Group	583.1	13.8	34.1	184.3	(85.3)	73.9	-	_	803.9	28
Bill Barrett Corporation	30.6	17.3	-	6.6	(2.7)	0.3	(1.3)	-	50.8	68
BP p.l.c. (1)	10,565.0	93.0	229.0	114.0	(749.0)	25.0	(227.0)	-	10,050.0	7
Cabot Oil & Gas Corporation	20.5	9.6	_	(3.1)	(2.4)	-	(0.2)	-	24.4	70
Canadian Natural Resources Limited	3,403.0	95.0	35.0	271.0	(143.0)	2.0	_	_	3,663.0	12
Chesapeake Energy Corporation	545.5	513.4	-	(114.8)	(48.9)	4.8	(107.2)	-	792.8	29
Chevron Corporation (1)	6,455.0	218.0	77.0	390.0	(646.0)	10.0	(23.0)	_	6,481.0	8
China Petroleum & Chemical Corporation (Sinopec)	2,848.0	151.0	163.0	9.0	(328.0)	-	-	-	2,843.0	14
Cimarex Energy Co.	138.1	64.1	-	(7.6)	(18.5)	0.0	(8.4)	-	167.8	57
CNOOC Limited (1)	2,165.0	364.0	_	124.0	(270.0)	_	_	_	2,383.0	15
Concho Resources Inc.	238.3	60.4	_	(15.9)	(18.0)	30.3	(21.5)	_	273.5	48
ConocoPhillips (1)	4,901.0	600.0	16.0	229.0	(318.0)	1.0	(56.0)	_	5,373.0	11
CONSOL Energy, Inc.	_	-	_	_	_	_	_	_	_	_
Continental Resources, Inc.	326.1	166.8	_	33.3	(25.1)	67.1	(7.2)	_	561.2	35
Denbury Resources Inc.	357.7	14.9	69.5	(7.5)	(24.5)	24.7	(105.8)	_	329.1	44

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Devon Energy Corporation	1,257.0	255.0	-	(30.0)	(93.0)	_	-	-	1,389.0	21
Ecopetrol S.A.	1,371.0	90.4	65.3	42.7	(199.2)	-	-	-	1,370.2	22
Encana Corporation	133.2	65.1	_	28.9	(11.3)	0.1	(6.0)	-	210.0	53
Energen Corporation	183.5	46.9	_	(18.1)	(11.3)	10.5	-	-	211.5	52
Eni SpA ⁽¹⁾	3,434.0	90.0	28.0	182.0	(323.0)	-	(61.0)	-	3,350.0	13
EOG Resources, Inc.	745.3	327.3	_	49.5	(78.3)	1.6	(24.6)	-	1,020.8	25
EP Energy LLC (1)	200.8	122.8	-	(6.7)	(12.2)	0.0	(3.9)	-	300.8	45
EQT Corporation	2.9	0.3	-	0.3	(0.3)	-	-	-	3.2	73
EXCO Resources, Inc.	6.4	0.9	-	6.2	(1.2)	_	-	-	12.2	72
Exxon Mobil Corporation (1)	12,228.0	760.0	23.0	471.0	(799.0)	219.0	(86.0)	-	12,816.0	3
Forest Oil Corporation	76.0	23.5	-	(12.2)	(6.6)	-	(5.8)	-	75.0	65
Hess Corporation	1,169.0	144.0	7.0	12.0	(110.0)	_	(51.0)	-	1,171.0	24
Husky Energy Inc.	658.0	43.0	16.0	28.0	(68.0)	-	(1.0)	-	676.0	32
INPEX CORPORATION (7)	714.0	190.0	-	(8.0)	(64.0)	-	(2.0)	1.0	831.0	26
Laredo Petroleum Holdings, Inc.	56.3	57.4	_	(12.4)	(4.8)	1.7	-	-	98.1	62
Linn Energy, LLC	282.5	50.3	_	(40.6)	(19.7)	98.4	-	-	370.9	39
Marathon Oil Corporation	1,356.0	179.0	2.0	83.0	(118.0)	52.0	_	_	1,554.0	18
Mitsui & Co., Ltd. (1)	99.0	1.0	_	18.0	(24.0)	9.0	(3.0)	_	100.0	61
Murphy Oil Corporation	349.7	84.0	7.2	2.6	(41.2)	12.5	_	_	414.8	38
National Fuel Gas Company	43.3	1.3	_	1.1	(2.9)	_	-	-	42.9	69

Worldwide – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Newfield Exploration Company	263.0	55.0	_	(2.0)	(25.0)	_	(17.0)	_	274.0	47
Nexen Inc.	820.0	21.0	_	19.0	(55.0)	-	_	-	805.0	27
Noble Energy, Inc.	369.0	107.0	_	(48.0)	(42.0)	_	(29.0)	-	357.0	41
OAO LUKOIL ⁽¹⁾	13,403.0	553.0	-	65.0	(677.0)	42.0	(5.0)	-	13,381.0	2
OAO NOVATEK ⁽⁸⁾	485.0	91.0	-	2.0	(35.0)	-	-	-	543.0	36
Occidental Petroleum Corporation	2,288.0	98.0	196.0	(68.0)	(201.0)	55.0	_	-	2,368.0	16
OJSC Rosneft Oil Company (2)	16,352.0	736.0	-	1,375.0	(885.0)	1.0	(806.0)	-	16,773.0	1
OMV Aktiengesellschaft	627.9	1.6	-	31.4	(59.3)	15.4	(2.4)	0.2	614.8	33
PDC Energy, Inc.	57.2	39.1	_	(10.4)	(2.9)	18.9	(9.8)	-	92.1	64
Pengrowth Energy Corporation	105.6	13.0	- -	2.6	(13.1)	30.7	(0.3)	- -	138.5	59
Penn West Petroleum Ltd.	321.0	5.0	25.0	1.0	(31.0)	-	(49.0)	1.0	273.0	49
PetroChina Company Limited	11,128.0	737.0	86.0	(16.0)	(917.0)	-	_	-	11,018.0	5
Petrohawk Energy Corporation ⁽⁹⁾	114.8	_	_	-	_	- -	(114.8)	_	_	_
Petroleo Brasileiro, S.A. (Petrobras) ⁽¹⁾	10,812.4	435.8	343.9	110.7	(741.5)	_	_	_	10,961.3	6
Petroleos Mexicanos (PEMEX)	11,362.0	103.0	_	1,013.0	(1,053.0)	_	_	(1.0)	11,424.0	4
Pioneer Natural Resources Company	641.0	126.8	7.5	(28.6)	(33.9)	7.4	(0.9)	-	719.4	31
Plains Exploration & Production Company ⁽¹⁾	249.5	45.7	-	(14.7)	(25.3)	113.2	(1.5)	(0.0)	366.8	40
QEP Resources, Inc.	144.1	40.3	_	(0.8)	(11.6)	46.9	_	0.0	218.9	51
Quicksilver Resources Inc.	105.2	3.9	_	(45.9)	(4.4)	_	(0.1)	_	58.7	67
Range Resources Corporation	174.0	128.5	_	5.4	(9.8)	_	(12.6)	_	285.5	46

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Repsol S.A.	978.0	33.0	-	39.0	(52.0)	24.0	(595.0)	2.0	429.0	37
Rosetta Resources Inc.	86.6	39.2	-	(0.0)	(8.0)	0.2	(2.0)	-	116.0	60
Royal Dutch Shell plc ⁽¹⁾	6,048.0	88.0	13.0	629.0	(598.0)	82.0	(66.0)	_	6,196.0	9
SandRidge Energy, Inc.	244.8	116.9	_	(22.3)	(18.0)	32.2	(23.6)	-	330.0	43
Sasol Limited	815.6	_	0.8	11.4	(44.2)	_	-	0.5	784.1	30
SM Energy Company	99.2	47.7	31.9	(6.9)	(16.5)	0.1	(1.0)	-	154.5	58
Southwestern Energy Company	1.0	0.2	-	(0.0)	(0.1)	-	(0.8)	-	0.2	74
Statoil ASA	2,181.0	266.0	_	225.0	(350.0)	1.0	(18.0)	_	2,305.0	17
Swift Energy Company	56.8	24.7	_	16.6	(5.6)	_	_	-	92.5	63
Talisman Energy Inc.	451.1	9.6	-	(20.3)	(48.8)	1.1	(130.1)	-	262.6	50
Total S.A. (1)	5,784.0	283.0	-	125.0	(446.0)	18.0	(79.0)	_	5,685.0	10
Ultra Petroleum Corporation	33.1	5.4	-	(19.1)	(1.3)	_	-	-	18.1	71
Vanguard Natural Resources, LLC	52.2	0.5	-	(2.5)	(3.4)	14.9	(0.5)	-	61.2	66
Whiting Petroleum Corporation	297.8	74.7	-	3.2	(25.9)	_	(8.3)	-	341.4	42
WPX Energy, Inc.	193.2	39.5	_	(16.6)	(16.4)	_	(1.3)	-	198.4	56
YPF S.A. (1)(10)	_	18.0	6.0	82.0	(101.0)	-	-	586.0	591.0	34
All companies	148,074.7	9,903.6	1,482.2	5,728.5	(11,558.6)	1,175.0	(2,920.5)	589.7	152,474.7	
Integrateds	118,145.9	4,892.8	1,042.0	4,931.2	(9,137.2)	446.4	(2,022.4)	587.7	118,886.4	
Large independents	22,898.0	3,539.7	290.6	946.7	(1,840.2)	216.9	(285.7)	1.0	25,767.1	
Independents	7,030.8	1,471.1	149.6	(149.4)	(581.3)	511.8	(612.5)	1.0	7,821.2	

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen. (b) Includes transfers, reclassifications and other. (1)-(8) See company footnotes on page 108.

Worldwide – gas reserves for the latest fiscal year

Bcf

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Anadarko Petroleum Corporation	8,365.0	418.0	-	635.0	(916.0)	26.0	(199.0)	-	8,329.0	20
Antero Resources LLC	3,931.0	1,242.0	-	198.0	(87.0)	- -	(1,590.0)	- -	3,694.0	33
Apache Corporation	9,722.3	869.9	-	(1,614.2)	(839.4)	326.6	(1.0)	_	8,464.2	19
Berry Petroleum Company	534.3	100.1	-	(205.8)	(19.8)	16.7	_	-	425.5	72
BG Group plc	12,854.0	958.0	-	(544.0)	(1,063.0)	-	(22.0)	_	12,183.0	13
BHP Billiton Group	7,503.5	134.9	3.3	447.3	(857.1)	3,297.3	_	_	10,529.2	16
Bill Barrett Corporation	1,181.1	83.4	-	(212.7)	(101.5)	0.3	(211.5)	-	739.1	62
BP p.l.c. ⁽¹⁾	41,659.0	2,144.0	2,072.0	(1,212.0)	(2,887.0)	248.0	(1,719.0)	- -	40,305.0	4
Cabot Oil & Gas Corporation	2,909.9	869.0	_	207.0	(253.0)	-	(37.0)	0.1	3,696.0	32
Canadian Natural Resources Limited	3,650.0	50.0	11.0	(530.0)	(436.0)	34.0	(1.0)	_	2,778.0	40
Chesapeake Energy Corporation	15,515.0	3,317.0	_	(6,080.0)	(1,129.0)	14.0	(704.0)	_	10,933.0	15
Chevron Corporation (1)	28,683.0	1,011.0	8.0	1,855.0	(1,857.0)	33.0	(538.0)	-	29,195.0	7
China Petroleum & Chemical Corporation (Sinopec)	6,709.0	232.0	109.0	278.0	(598.0)	-	_	-	6,730.0	22
Cimarex Energy Co.	1,216.4	372.5	-	(211.4)	(118.5)	0.1	(7.2)	_	1,251.9	53
CNOOC Limited (1)	6,049.0	1,087.0	-	(211.0)	(406.0)	-	_	-	6,519.0	23
Concho Resources Inc.	889.3	189.4	-	(40.5)	(70.6)	157.3	(82.8)	_	1,042.1	56
ConocoPhillips (1)	20,916.0	908.0	27.0	(349.0)	(1,722.0)	11.0	(177.0)	-	19,614.0	10
CONSOL Energy, Inc.	3,480.0	954.4	-	(284.6)	(156.3)	_	_	-	3,993.5	31
Continental Resources, Inc.	1,093.8	400.8	-	(174.7)	(63.9)	89.1	(4.0)	_	1,341.1	52
Denbury Resources Inc.	625.2	10.0	- -	(54.7)	(10.7)	20.6	(108.8)	- -	481.6	71

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Devon Energy Corporation	10,486.0	1,158.0	-	(1,250.0)	(938.0)	2.0	(12.0)	-	9,446.0	17
Ecopetrol S.A.	2,768.4	298.6	_	8.8	(189.3)	_	_	_	2,886.5	37
Encana Corporation	12,840.0	976.0	_	(3,198.0)	(1,090.0)	46.0	(782.0)	_	8,792.0	18
Energen Corporation	957.4	61.2	_	(143.7)	(76.4)	10.7	_	-	809.1	61
Eni SpA ⁽¹⁾	20,282.0	1,422.0	-	1,946.0	(1,649.0)	_	(1,044.0)	-	20,957.0	9
EOG Resources, Inc.	7,850.9	478.1	_	(2,653.0)	(556.6)	14.8	(394.7)	_	4,739.5	29
EP Energy LLC (1)	2,782.0	144.0	_	(660.0)	(249.0)	_	(72.0)	_	1,945.0	46
EQT Corporation	5,347.4	1,654.2	-	(755.8)	(259.4)	_	(0.7)	-	5,985.8	24
EXCO Resources, Inc.	1,291.5	96.6	-	(266.5)	(182.7)	_	(2.8)	-	936.1	58
Exxon Mobil Corporation ⁽¹⁾	76,222.0	4,383.0	-	(1,873.0)	(4,797.0)	509.0	(353.0)	-	74,091.0	1
Forest Oil Corporation	1,448.3	93.6	-	(530.7)	(81.0)	-	(17.3)	-	912.8	59
Hess Corporation	2,423.0	248.0	4.0	56.0	(244.0)	_	(192.0)	-	2,295.0	43
Husky Energy Inc.	1,932.0	411.0	-	(357.0)	(190.0)	-	-	-	1,796.0	47
INPEX CORPORATION (7)	1,981.0	5,364.0	-	327.0	(316.0)	-	-	(2.0)	7,354.0	21
Laredo Petroleum Holdings, Inc.	601.1	232.4	_	(260.7)	(39.1)	9.2	-	-	542.9	66
Linn Energy, LLC	1,675.0	407.0	_	(559.0)	(128.0)	1,176.0	_	_	2,571.0	42
Marathon Oil Corporation	2,666.0	335.0	_	(5.0)	(322.0)	105.0	_	-	2,779.0	39
Mitsui & Co., Ltd. (1)	1,563.0	147.0	_	77.0	(195.0)	30.0	_	_	1,622.0	49
Murphy Oil Corporation	1,106.1	173.5	7.2	20.2	(179.4)	9.4	_	_	1,137.0	54
National Fuel Gas Company	674.9	436.1	_	(56.5)	(66.1)	_	_	_	988.4	57

Worldwide – gas reserves for the latest fiscal year

Bcf

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Newfield Exploration Company	2,333.0	181.0	-	(527.0)	(153.0)	1.0	(80.0)	_	1,755.0	48
Nexen Inc.	482.0	1.0	-	(146.0)	(72.0)	_	(69.0)	_	196.0	74
Noble Energy, Inc.	5,043.0	659.0	-	(288.0)	(284.0)	-	(166.0)	-	4,964.0	26
OAO LUKOIL ⁽¹⁾	23,196.0	693.0	-	459.0	(845.0)	1.0	(17.0)	-	23,487.0	8
OAO NOVATEK ⁽⁸⁾	26,547.0	13,455.0	-	231.0	(1,781.0)	-	-	-	38,452.0	5
Occidental Petroleum Corporation	5,323.0	803.0	362.0	(686.0)	(470.0)	236.0	_	_	5,568.0	25
OJSC Rosneft Oil Company (2)	-	-	-	-	-	-	-	-	-	-
OMV Aktiengesellschaft	2,796.5	70.6	-	54.3	(290.5)	174.8	(9.7)	(0.1)	2,795.9	38
PDC Energy, Inc.	672.1	172.9	-	(289.4)	(32.4)	87.2	(6.4)	-	604.0	63
Pengrowth Energy Corporation	501.4	3.1	_	(69.8)	(78.8)	156.7	(2.4)	_	510.2	69
Penn West Petroleum Ltd.	630.0	15.0	11.0	(20.0)	(101.0)	- -	(9.0)	-	526.0	67
PetroChina Company Limited	66,653.0	6,218.0	_	(2,731.0)	(2,559.0)	-	-	-	67,581.0	2
Petrohawk Energy Corporation ⁽⁹⁾	3,355.1	-	_	-	-	-	(3,355.1)	-	-	-
Petroleo Brasileiro, S.A. (Petrobras) ⁽¹⁾	12,424.7	295.4	(623.5)	371.0	(865.0)	_	_	_	11,602.6	14
Petroleos Mexicanos (PEMEX)	12,734.0	162.0	_	1,377.0	(1,560.0)	-	-	-	12,713.0	12
Pioneer Natural Resources Company	2,531.0	320.2	-	(485.2)	(161.2)	9.5	(16.8)	-	2,197.5	45
Plains Exploration & Production Company ⁽¹⁾	1,049.4	83.5	-	(591.4)	(98.5)	79.4	(11.3)	(0.2)	510.8	68
QEP Resources, Inc.	2,749.4	330.6	_	(240.6)	(249.3)	32.3	_		2,622.4	41
Quicksilver Resources Inc.	2,159.5	25.9	_	(944.3)	(105.6)	_	(20.6)	_	1,114.8	55
Range Resources Corporation	4,009.7	996.1	_	76.9	(216.6)		(73.4)		4,792.7	28

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Repsol S.A.	6,747.0	691.0	-	217.0	(392.0)	-	(2,405.0)	2.0	4,860.0	27
Rosetta Resources Inc.	446.0	158.8	-	(10.1)	(33.9)	0.7	(52.1)	(0.0)	509.5	70
Royal Dutch Shell plc ⁽¹⁾	47,662.0	667.0	16.0	(1,343.0)	(3,687.0)	161.0	(684.0)	-	42,792.0	3
SandRidge Energy, Inc.	1,355.1	489.3	-	(538.2)	(93.5)	203.0	(0.5)	-	1,415.0	51
Sasol Limited	1,576.3	-	(0.8)	28.9	(98.1)	-	-	-	1,506.3	50
SM Energy Company	664.0	297.4	125.1	(123.3)	(120.0)	1.2	(11.0)	_	833.4	60
Southwestern Energy Company	5,887.2	918.6	-	(2,088.0)	(564.5)	-	(136.5)	-	4,016.8	30
Statoil ASA	17,680.0	631.0	-	765.0	(1,747.0)	18.0	(319.0)	_	17,028.0	11
Swift Energy Company	616.8	114.5	-	(97.3)	(36.4)	-	-	-	597.6	64
Talisman Energy Inc.	4,744.3	(438.5)	_	(69.1)	(469.1)	1.9	(126.6)	-	3,642.9	34
Total S.A. (1)	30,717.0	1,600.0	_	250.0	(2,158.0)	706.0	(238.0)	_	30,877.0	6
Ultra Petroleum Corporation	4,778.6	819.9	-	(2,382.7)	(249.3)	-	-	-	2,966.4	36
Vanguard Natural Resources, LLC	162.8	0.3	_	(9.5)	(19.7)	446.1	(33.5)	_	546.5	65
Whiting Petroleum Corporation	285.0	40.9	-	(61.8)	(25.8)	-	(14.0)	-	224.3	73
WPX Energy, Inc.	4,057.9	414.9	_	(422.8)	(415.6)	5.8	(217.0)	_	3,423.2	35
YPF S.A. (1)(10)	-	31.0	4.0	228.0	(442.0)	-	-	2,401.0	2,222.0	44
All companies	636,954.6	64,792.2	2,135.3	(28,344.7)	(45,814.4)	8,507.6	(16,347.1)	2,400.8	624,284.3	
Integrateds	429,042.9	34,399.6	1,588.7	1,043.0	(28,840.9)	1,880.8	(7,518.7)	2,402.9	433,998.3	
Large independents	142,652.8	20,486.5	403.3	(17,163.0)	(11,982.2)	4,122.2	(2,549.7)	(2.0)	135,967.8	
Independents	65,258.9	9,906.2	143.3	(12,224.7)	(4,991.3)	2,504.6	(6,278.7)	(0.1)	54,318.2	

⁽a) Includes transfers, reclassifications and other.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Worldwide – performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

				(Dil	G	as	
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Anadarko Petroleum Corporation	\$ 4.00	\$ 15.31	\$ 15.26	151%	172%	122%	132%	\$ 13.50
Antero Resources LLC	4.23	2.83	2.88	18,718	27,355	1,287	1,920	10.67
Apache Corporation	16.99	49.36	31.28	192	115	128	32	13.43
Berry Petroleum Company	10.02	69.25	27.59	375	203	(205)	(280)	20.80
BG Group plc	15.76	14.42	14.44	455	453	132	133	6.68
BHP Billiton Group	6.82	38.08	19.24	180	153	453	98	13.64
Bill Barrett Corporation	10.32	25.87	23.34	916	784	38	95	10.21
BP p.l.c. ⁽¹⁾	14.10	16.78	16.54	81	103	47	84	18.99
Cabot Oil & Gas Corporation	7.79	6.12	6.12	452	480	402	448	6.55
Canadian Natural Resources Limited	12.37	17.55	16.48	260	231	69	11	20.68
Chesapeake Energy Corporation	23.02	21.13	21.16	776	888	16	172	6.25
Chevron Corporation (1)	5.96	24.55	22.91	76	74	157	147	14.35
China Petroleum & Chemical Corporation (Sinopec)	_	30.57	30.57	92	92	99	99	29.29
Cimarex Energy Co.	6.23	15.97	15.74	326	344	118	172	10.90
CNOOC Limited (1)	6.92	25.20	19.89	190	137	146	93	25.82
Concho Resources Inc.	15.62	22.81	19.89	406	291	501	328	11.92
ConocoPhillips (1)	95.87	15.97	16.20	16	178	16	74	19.44
CONSOL Energy, Inc.	9.72	10.28	10.11	-	_	576	481	12.88
Continental Resources, Inc.	9.60	13.09	12.61	827	711	772	702	11.83
Denbury Resources Inc.	12.08	21.49	15.70	299	264	888	283	25.31

				C	oil	Gá	ıs	
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Devon Energy Corporation	\$ 13.01	\$ 20.54	\$ 20.46	214%	231%	89%	99%	\$ 10.49
Ecopetrol S.A.	23.72	16.30	16.56	145	142	205	187	14.29
Encana Corporation	8.07	19.72	18.82	569	631	35	88	10.77
Energen Corporation	8.52	29.10	21.11	485	297	60	36	12.44
Eni SpA ⁽¹⁾	30.16	18.29	18.30	89	96	165	187	10.33
EOG Resources, Inc.	1.08	27.32	27.14	508	530	(133)	(74)	11.07
EP Energy LLC ⁽¹⁾	7.05	12.38	12.27	937	977	51	80	8.83
EQT Corporation	20.02	7.63	7.83	299	291	424	418	2.45
EXCO Resources, Inc.	11.04	25.07	23.18	353	370	102	114	7.01
Exxon Mobil Corporation (1)	7.81	24.78	18.24	146	128	142	55	17.98
Forest Oil Corporation	5.78	92.92	89.67	210	262	(73)	(49)	7.32
Hess Corporation	5.87	41.87	32.33	164	143	30	66	17.87
Husky Energy Inc.	9.64	35.27	28.48	155	137	149	68	16.87
INPEX CORPORATION (7)	_	7.11	7.07	108	110	512	516	33.47
Laredo Petroleum Holdings, Inc.	5.31	13.68	13.51	1,042	1,025	386	376	8.65
Linn Energy, LLC	10.25	26.27	12.70	647	165	843	65	13.69
Marathon Oil Corporation	14.19	25.53	23.01	206	161	106	84	15.44
Mitsui & Co., Ltd. ⁽¹⁾	9.06	37.76	33.10	67	65	104	95	12.12
Murphy Oil Corporation	19.76	25.54	25.26	181	171	180	173	16.30
National Fuel Gas Company	5.72	11.22	10.96	58	74	603	589	7.91

Worldwide – performance measures (three-year averages) (a)

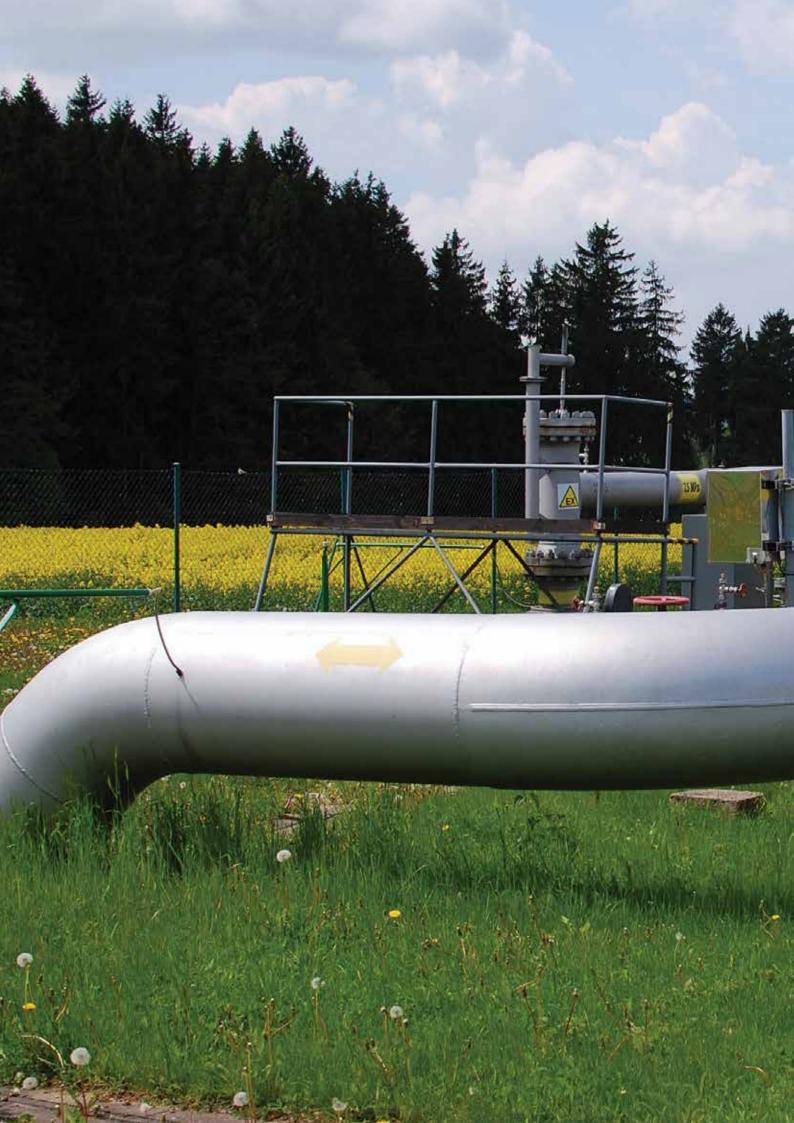
Costs in \$ per boe, production replacement rates in %

				C	Dil	G	as	
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Newfield Exploration Company	\$ 13.56	\$ 41.90	\$ 39.78	272%	293%	(61)%	(32)%	\$ 16.31
Nexen Inc.	51.12	52.65	52.64	74	90	12	42	19.66
Noble Energy, Inc.	6.54	16.98	15.35	120	152	338	316	8.26
OAO LUKOIL (1)	2.25	10.44	10.04	85	80	127	127	32.44
OAO NOVATEK	-	0.82	0.89	191	264	332	420	7.44
Occidental Petroleum Corporation	16.30	35.08	27.46	127	86	144	59	14.60
OJSC Rosneft Oil Company ⁽²⁾		4.14	4.14	209	240	-	-	19.90
OMV Aktiengesellschaft	17.27	35.37	31.07	66	53	94	71	17.49
PDC Energy, Inc.	5.34	18.40	12.61	1,081	856	95	(4)	9.58
Pengrowth Energy Corporation	19.39	46.69	32.66	219	130	144	49	18.00
Penn West Petroleum Ltd.	(53.47)	30.84	21.61	79	140	50	58	20.91
PetroChina Company Limited	-	20.30	20.30	91	91	160	160	25.62
Petrohawk Energy Corporation	-	-	-	-	-	-	-	-
Petroleo Brasileiro, S.A. (Petrobras) ⁽¹⁾	_	33.05	33.23	129	130	123	123	29.89
Petroleos Mexicanos (PEMEX)	_	10.97	10.97	92	92	115	115	6.78
Pioneer Natural Resources Company	1.89	17.72	17.02	409	420	35	45	12.45
Plains Exploration & Production Company ⁽¹⁾	31.10	64.65	47.12	339	174	(25)	28	14.90
QEP Resources, Inc.	13.57	16.23	15.82	917	711	114	110	8.31
Quicksilver Resources Inc.	5.91	(13.65)	(19.23)	(209)	(208)	(111)	(149)	11.98
Range Resources Corporation	6.30	5.14	5.16	939	1,126	522	687	7.31

								Production rep	lacement rates			
							0	il	Ga	ıs	ĺ	
		PRAC		FDC		RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Pi	oduction costs
Repsol S.A.	\$	8.84	\$	13.03	\$	12.76	(30)%	124%	12%	131%	\$	14.12
Rosetta Resources Inc.		8.76		6.96		6.99	846	857	301	470		7.64
Royal Dutch Shell plc ⁽¹⁾		7.94		26.71		25.62	128	129	42	55		18.41
SandRidge Energy, Inc.		20.70		12.71		14.85	704	601	407	487		15.06
Sasol Limited		12.99		4.14		4.24	652	652	45	21		33.58
SM Energy Company		19.31		14.67		14.67	392	457	231	252		10.54
Southwestern Energy Company		7.85		16.42		16.42	(132)	91	125	141		5.52
Statoil ASA		10.27		29.78		28.15	122	118	76	77		8.63
Swift Energy Company		_		12.79		13.81	276	309	449	523		14.71
Talisman Energy Inc.		23.52		48.11		45.15	(31)	48	47	114		18.52
Total S.A. (1) (5)		3.88		32.92		19.38	100	56	171	103		6.18
Ultra Petroleum Corporation		-		(195.38)		(195.38)	(175)	(175)	(11)	(11)		6.67
Vanguard Natural Resources, LLC		12.34		88.28		12.92	785	55	1,422	(51)		16.61
Whiting Petroleum Corporation		38.91		25.93		26.01	280	294	(4)	22		17.37
WPX Energy, Inc.		14.30		20.69		20.02	386	338	41	56		13.47
YPF S.A. ⁽¹⁾		-		16.22		16.22	105	105	60	60		23.92
All companies	\$	9.57	\$	18.75	\$	17.50	135%	138%	115%	123%	\$	17.04
Integrateds	\$	7.32	\$	18.18	\$	16.99	115%	118%	123%	118%	\$	17.83
Large independents	• • • • • • • • • • • • • • • • • • • •	11.39	• • • • • • • •	19.71		18.34	180	202	79	119	•••••	15.33
Independents	• • • • • • • • •	12.72		20.14	•••••	18.50	287	270	139	166	•••••	13.52

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.





Summary of 2012 study results

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity for acquired companies has also been reflected as described on page 1.

	Worldwide	Africa and Middle East	Asia-Pacific	Canada	Europe	South and Central America	US	Other/ unspecified
2012 capital expenditures (millio	ns)							
Proved properties acquired	\$ 26,974.3	\$ 138.6	\$ 350.5	\$ 1,701.1	\$ 854.8	\$ 169.0	\$ 22,836.1	\$ 924.2
Unproved properties acquired	50,662.2	4,605.4	7,546.4	1,510.7	197.4	217.3	34,058.6	2,526.4
Exploration	83,513.2	7,656.6	19,676.0	4,030.7	4,491.2	11,618.4	27,498.2	8,542.3
Development	378,517.4	30,371.3	100,874.5	33,160.4	37,531.1	38,594.5	104,734.0	33,251.6
Other	1,345.1	18.0	129.6	199.2	400.0	15.0	439.3	144.0
Total	\$ 541,012.2	\$ 42,789.8	\$ 128,577.0	\$ 40,602.1	\$ 43,474.5	\$ 50,614.1	\$ 189,566.2	\$ 45,388.5

2012 revenues and results of oper	rations (millions)							
Revenues	\$1,246,530.6	\$ 151,588.3	\$ 377,998.7	\$ 49,002.2	\$ 141,502.7	\$219,323.9	\$ 182,666.7	\$ 124,448.1
Production costs (a)	362,369.6	22,273.9	145,430.7	20,727.3	31,029.0	48,769.1	57,369.9	36,769.7
Exploration expense	43,748.0	5,094.0	12,010.5	1,868.6	3,288.0	7,167.5	7,140.4	7,179.1
DD&A (b)	249,226.0	23,909.2	51,919.3	22,866.9	23,487.0	21,750.1	86,882.2	18,411.2
Other expenses (c)	32,214.7	4,122.5	34.5	2,924.1	1,771.5	8,327.1	400.9	14,634.1
Pre-tax results of operations	558,972.3	96,188.7	168,603.8	615.3	81,927.1	133,310.1	30,873.3	47,454.1
Income taxes	290,594.0	57,955.9	57,465.9	48.6	53,263.6	87,135.8	11,427.5	23,296.6
Results of operations	\$ 268,378.3	\$ 38,232.8	\$ 111,137.8	\$ 566.7	\$ 28,663.5	\$ 46,174.3	\$ 19,445.8	\$ 24,157.5

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

2012 proved oil reserves (a) (milli	on barrels)							
Beginning of year	148,074.7	11,425.2	58,562.3	14,296.5	7,796.1	24,432.3	20,903.2	10,659.1
Additions:								
Extensions and discoveries	9,903.6	487.2	2,768.6	996.5	194.5	683.2	3,795.5	978.1
Improved recovery	1,482.2	119.7	318.2	75.2	13.0	403.5	520.0	32.6
Revisions	5,728.5	447.6	2,433.0	950.9	219.4	1,224.5	(95.7)	548.7
Production	(11,558.6)	(1,324.7)	(4,130.3)	(549.3)	(837.6)	(2,136.0)	(1,640.2)	(940.6)
Purchases	1,175.0	-	26.4	38.9	89.4	_	906.0	114.4
Sales	(2,920.5)	(144.1)	(934.1)	(68.7)	(263.2)	(594.0)	(865.9)	(50.6)
Other (b)	589.7	(0.5)	2.0	1.0	0.1	585.0	0.0	2.1
End of year	152,474.7	11,010.4	59,046.2	15,741.1	7,211.7	24,598.5	23,523.0	11,343.8

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

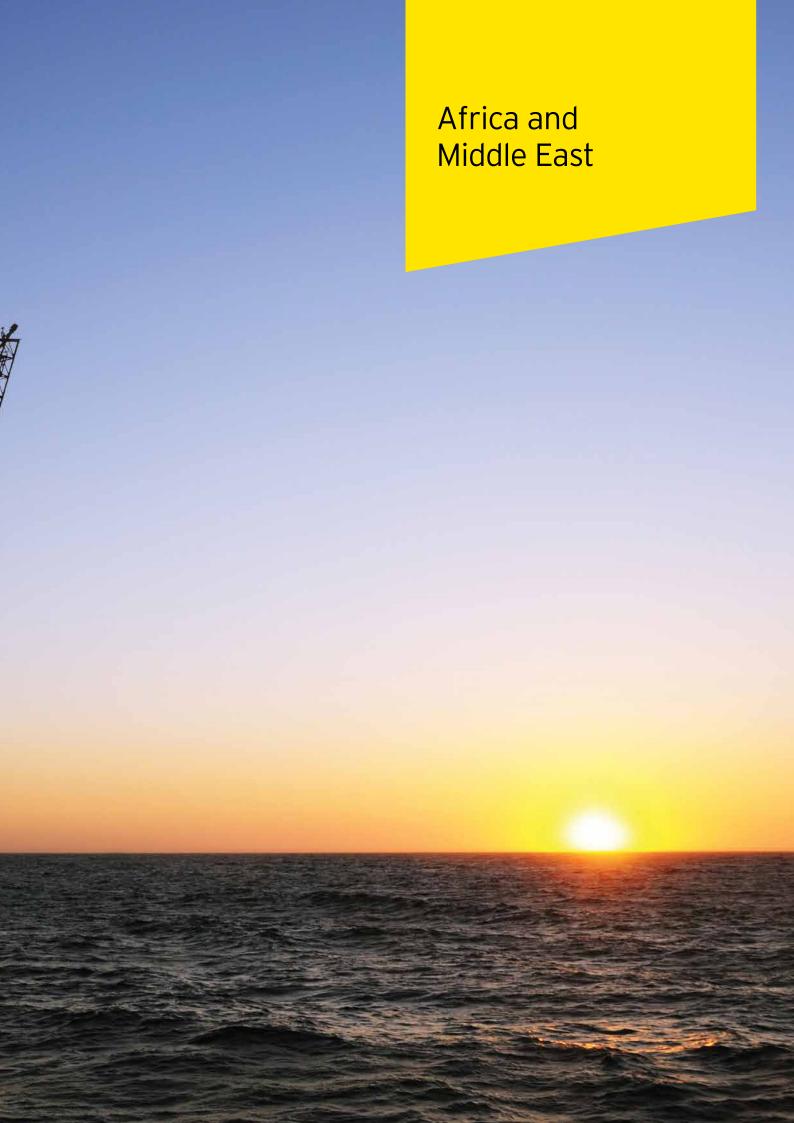
⁽b) Includes transfers, reclassifications and other.

	Worldwide	Africa and Middle East	Asia-Pacific	Canada	Europe	South and Central America	US	Other/ unspecified
2012 proved gas reserves (Bcf)								
Beginning of year	636,954.6	35,573.8	202,004.5	26,008.9	63,287.4	45,328.2	184,651.1	80,100.7
Additions:	•	•••••	•		•	•	•	
Extensions and discoveries	64,792.2	1,354.0	30,003.1	1,477.4	972.7	1,885.0	24,665.0	4,435.0
Improved recovery	2,135.3	103.0	273.2	21.2	97.0	147.5	1,382.4	111.0
Revisions	(28,344.7)	154.1	1,602.2	(5,869.7)	1,444.7	2,046.9	(29,337.0)	1,614.1
Production	(45,814.4)	(2,714.4)	(11,236.8)	(2,757.9)	(5,706.4)	(4,449.5)	(13,601.1)	(5,348.3)
Purchases	8,507.6	-	3.6	235.6	190.5	_	7,286.1	791.8
Sales	(16,347.1)	(445.9)	(1,018.1)	(872.5)	(2,029.3)	(2,426.0)	(9,273.6)	(281.7)
Other (a)	2,400.8	_	(2.0)	_	(0.1)	2,362.0	(0.1)	41.0
End of year	624,284.3	34,024.7	221,629.7	18,243.1	58,256.4	44,894.1	165,772.8	81,463.6

(a) Includes transfers, reclassifications and other.

2012 performance measures (cost	2012 performance measures (costs in \$ per boe, production replacement rates in %)													
PRAC	\$	10.41	\$	_	\$	12.99	\$	21.76	\$	7.06	\$	_	\$ 10.78	\$ 3.75
FDC		21.83		32.24		11.84		30.06		50.38		16.87	 45.40	 17.19
RRC		20.70		32.34		11.84		29.59		44.95		16.92	 32.73	 16.02
Oil production replacement rates:														
All sources		138%		69%		112%		363%		30%		108%	260%	173%
Excluding purchases and sales		148%		80%		134%		368%		51%		108%	 257%	 166%
Gas production replacement rates:														
All sources		72%		43%		275%		(182)%		12%		91%	(39)%	125%
Excluding purchases and sales		84%		59%		284%		(158)%		44%		92%	 (24)%	 115%
Production costs	\$	18.88	\$	12.76	\$	24.56	\$	20.54	\$	17.35	\$	16.95	\$ 14.68	\$ 17.38





Africa and Middle East

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates.

Africa and Middle East - capital expenditures (millions)

	2008	2009	2010	2011	2012
Proved properties acquired	\$ 2,098.0	\$ 1,487.5	\$ 1,007.5	\$ 125.0	\$ 138.6
Unproved properties acquired	2,380.9	383.8	948.0	3,704.7	4,605.4
Exploration	6,464.2	6,046.8	4,979.8	5,216.9	7,656.6
Development	26,910.8	28,330.7	29,864.2	28,609.8	30,371.3
Other	657.8	0.9	5.8	(27.0)	18.0
Total	\$ 38,511.8	\$ 36,249.6	\$ 36,805.3	\$ 37,629.4	\$ 42,789.8

Africa and Middle East – revenues and results of operations (millions)

	2008	2009	2010	2011	2012
Revenues	\$ 129,875.6	\$ 93,269.9	\$ 121,497.8	\$ 138,125.5	\$ 151,588.3
Production costs (a)	15,707.6	15,287.7	19,206.5	21,600.5	22,273.9
Exploration expense	3,989.1	4,549.1	3,792.9	3,664.3	5,094.0
DD&A (b)	16,228.5	19,621.0	21,823.7	19,744.9	23,909.2
Other expenses (c)	4,937.5	3,609.8	2,112.5	2,824.8	4,122.5
Pre-tax results of operations	89,013.0	50,202.3	74,562.2	90,290.9	96,188.7
Income taxes	54,195.9	29,486.3	43,665.8	51,241.1	57,955.9
Results of operations	\$ 34,817.1	\$ 20,716.1	\$ 30,896.4	\$ 39,049.8	\$ 38,232.8

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

Africa and Middle East - proved oil reserves (a) (million barrels)

	2008	2009	2010	2011	2012
Beginning of year	11,229.3	11,851.2	11,730.4	12,714.5	11,425.2
Additions:					
Extensions and discoveries	440.4	500.8	607.0	128.1	487.2
Improved recovery	132.0	167.3	136.9	120.1	119.7
Revisions	1,439.2	536.3	1,346.0	146.7	447.6
Production	(1,342.8)	(1,442.1)	(1,520.5)	(1,260.2)	(1,324.7)
Purchases	32.0	13.0	55.3	7.4	
Sales	(78.7)	(48.0)	(82.6)	(124.6)	(144.1)
Other (b)	(0.2)	152.0	442.0	(306.8)	(0.5)
End of year	11,851.2	11,730.4	12,714.5	11,425.2	11,010.4

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽b) Includes transfers, reclassifications and other.

Africa and Middle East - proved gas reserves (Bcf)

	2008	2009	2010	2011	2012
Beginning of year	31,189.3	32,388.7	34,498.0	37,031.4	35,573.8
Additions:					
Extensions and discoveries	479.0	1,743.7	3,796.7	1,078.4	1,354.0
Improved recovery	37.0	60.0	105.0	110.0	103.0
Revisions	2,930.5	1,377.2	1,334.8	(3.0)	154.1
Production	(2,253.0)	(2,289.7)	(2,608.8)	(2,603.2)	(2,714.4)
Purchases	6.0	737.0	57.9	34.2	-
Sales	_	-	(153.0)	(90.0)	(445.9)
Other (a)	(0.1)	481.0	0.8	15.9	_
End of year	32,388.7	34,498.0	37,031.4	35,573.8	34,024.7

⁽a) Includes transfers, reclassifications and other.

Africa and Middle East - proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (\$ per boe)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 63.58	\$ 10.95	\$ 15.52	\$ 9.54	\$ -	\$ 16.29	\$ 19.67
FDC	14.08	20.04	12.08	63.30	32.24	23.77	20.34
RRC	14.70	19.38	12.16	62.14	32.34	23.65	20.33

Africa and Middle East – oil production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	146%	81%	136%	22%	69%	79%	93%
Excluding purchases and sales	150	84	137	31	80	86	98

Africa and Middle East – gas production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	153%	171%	197%	43%	43%	94%	119%
Excluding purchases and sales	153	139	201	46	59	101	118

Africa and Middle East - production costs (\$ per boe)

2008	2009	2010	2011	2012	3-year	5-year
\$ 9.14	\$ 8.38	\$ 9.96	\$ 12.96	\$ 12.76	\$ 11.81	\$ 10.59

Africa and Middle East – capital expenditures for the latest fiscal year

Apache Corporation BP p.l.c. Canadian Natural Resources Limited	\$ 28.0 - - 8.0	\$ - 239.0	\$ 696.0	\$ 394.0	\$ -	
Canadian Natural Resources Limited	- - 8.0	•••••	1.024.0			\$ 1,118.0
	8.0		1,024.0	2,992.0	_	4,255.0
_,	8.0	3.0	11.0	75.0	_	89.0
Chevron Corporation		5.0	321.0	3,118.0	_	3,452.0
CNOOC Limited	_	1,708.5	201.9	436.2	_	2,346.6
ConocoPhillips	_	333.0	94.0	208.0	_	635.0
Eni SpA	52.7	-	1,665.4	4,741.5	_	6,459.6
EP Energy LLC	-	-	2.0	_	_	2.0
Exxon Mobil Corporation	-	15.0	520.0	3,081.0	_	3,616.0
Forest Oil Corporation	_	-	_	_	_	-
Hess Corporation	-	-	260.0	506.0	_	766.0
INPEX CORPORATION (7)	-	-	13.6	231.0	_	244.6
Marathon Oil Corporation	-	86.0	48.0	390.0	_	524.0
Mitsui & Co., Ltd.	_	-	20.1	155.8	_	176.0
Murphy Oil Corporation	_	-	51.1	5.0	17.6	73.7
Noble Energy, Inc.	-	_	181.0	1,084.0	_	1,265.0
Occidental Petroleum Corporation	14.0	_	114.0	2,025.0	_	2,153.0
OMV Aktiengesellschaft	-	-	113.3	171.0	0.4	284.7
Petroleo Brasileiro, S.A. (Petrobras)	-	-	86.0	285.0	_	371.0
Pioneer Natural Resources Company	_	-	_	_	_	-
Repsol S.A.	_	141.5	168.5	66.9	_	376.8
Royal Dutch Shell plc	-	96.0	559.0	1,733.0	_	2,388.0
Sasol Limited	1.2	0.6	65.3	612.8	_	679.7
Statoil ASA	-	-	653.1	2,096.8	_	2,750.0
Total S.A.	34.7	1,977.9	788.3	5,963.2	_	8,764.1
All companies	\$ 138.6	\$ 4,605.4	\$ 7,656.6	\$ 30,371.3	\$ 18.0	\$ 42,789.8
Integrateds	\$ 96.6	\$ 2,474.9	\$ 6,243.9	\$ 25,523.1	\$ 0.4	\$ 34,338.9
Large independents	42.0	2,130.5	1,359.5	4,843.2	_	8,375.3
Independents	_	_	53.1	5.0	17.6	75.7

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Africa and Middle East – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Apache Corporation	\$ 4,554.0	\$ 449.0	\$ -	\$ 924.0	\$ -	\$ 1,527.0	\$ 1,654.0
BP p.l.c. ⁽⁶⁾	9,057.0	1,323.0	310.0	2,281.0	245.0	2,371.0	2,527.0
Canadian Natural Resources Limited	574.2	164.1	_	165.1	7.0	55.0	183.1
Chevron Corporation	16,513.0	2,079.0	427.0	2,491.0	265.0	7,558.0	3,693.0
CNOOC Limited	2,324.4	273.7	101.0	689.4	8.6	679.8	572.0
ConocoPhillips	1,997.0	61.0	55.0	44.0	8.0	1,728.0	101.0
Eni SpA	25,398.7	3,506.9	1,473.8	3,712.7	1,779.8	9,904.8	5,020.6
EP Energy LLC						-	
Exxon Mobil Corporation	20,577.0	4,097.0	234.0	2,879.0	_	8,091.0	5,276.0
Forest Oil Corporation	_		_	79.5		_	(79.5)
Hess Corporation	2,545.0	423.0	84.0	528.0		905.0	605.0
INPEX CORPORATION (7)	_	_	_	_	_		_
Marathon Oil Corporation ⁽⁶⁾	2,851.0	224.0	19.0	135.0	_	1,999.0	474.0
Mitsui & Co., Ltd.	754.4	73.7	31.7	163.7		290.2	195.0
Murphy Oil Corporation	57.6	51.6	76.8	233.9	0.9	(64.5)	(241.1)
Noble Energy, Inc.	1,521.0	136.0	3.0	397.0		249.0	736.0
Occidental Petroleum Corporation	7,486.0	1,061.0	112.0	1,404.0	224.0	2,159.0	2,526.0
OMV Aktiengesellschaft	426.6	154.2	171.0	135.2	46.7	9.8	(90.3)
Petroleo Brasileiro, S.A. (Petrobras)	2,254.0	178.0	81.0	207.0	(176.0)	929.0	1,035.0
Pioneer Natural Resources Company	_	_	_	_	_	_	_
Repsol S.A.	2,053.8	246.9	118.3	99.0	1.3	1,147.1	441.1
Royal Dutch Shell plc	13,171.0	2,788.0	699.0	1,261.0	(322.0)	5,358.0	3,387.0
Sasol Limited	5,820.3	2,090.6	20.5	341.4	-	1,212.4	2,155.4
Statoil ASA	6,496.8	601.6	584.4	1,839.0	85.9	1,856.2	1,529.7
Total S.A. ⁽⁵⁾	25,155.6	2,291.7	492.5	3,899.2	1,948.3	9,991.0	6,532.9
All companies	\$ 151,588.3	\$ 22,273.9	\$ 5,094.0	\$ 23,909.2	\$ 4,122.5	\$ 57,955.9	\$ 38,232.8
Integrateds	\$ 130,223.1	\$ 19,853.5	\$ 4,727.2	\$ 19,837.3	\$ 3,874.0	\$ 49,623.6	\$ 32,307.4
Large independents	21,307.6	2,368.8	290.0	3,758.5	247.6	8,396.8	6,246.1
Independents	57.6	51.6	76.8	313.4	0.9	(64.5)	(320.6)

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement. Revenues determined from the income statement include oil and gas sales and hedging and derivative gains/losses.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

 $^{^{(1)-(8)}}$ See company footnotes on page 108.

Africa and Middle East – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Apache Corporation	128.0	36.2	-	(3.7)	(36.5)	-	-	-	124.0	17
BP p.l.c.	626.0	2.0	13.0	(1.0)	(73.0)	-	-	_	567.0	7
Canadian Natural Resources Limited	88.0	-	1.0	1.0	(5.0)	-	-	-	85.0	19
Chevron Corporation	1,155.0	30.0	30.0	66.0	(151.0)	-	-	-	1,130.0	4
CNOOC Limited	134.0	-	_	23.0	(21.0)	_	_	-	136.0	15
ConocoPhillips	261.0	7.0	-	2.0	(24.0)	-	-	-	246.0	12
Eni SpA	1,587.0	75.0	27.0	81.0	(188.0)	_	(6.0)	-	1,576.0	2
EP Energy LLC	_	_	-	_	-	-	-	-	_	_
Exxon Mobil Corporation	1,463.0	41.0	-	20.0	(173.0)	-	(58.0)	-	1,293.0	3
Forest Oil Corporation	-	-	_	-	-	-	-	-	-	-
Hess Corporation	250.0	17.0	-	(5.0)	(28.0)	-	-	-	234.0	13
INPEX CORPORATION (7)	404.0	-	-	1.0	(31.0)	-	(2.0)	(1.0)	371.0	9
Marathon Oil Corporation	357.0	7.0	-	1.0	(28.0)	-	-	-	337.0	10
Mitsui & Co., Ltd.	22.0	1.0	-	-	(5.0)	-	-	-	18.0	21
Murphy Oil Corporation	2.3	-	_	(1.6)	(0.7)	-	-	-	-	-
Noble Energy, Inc.	106.0	_	_	9.0	(15.0)	-	_	_	100.0	18
Occidental Petroleum Corporation	441.0	91.0	30.0	(3.0)	(70.0)	-	-	-	489.0	8
OMV Aktiengesellschaft	35.6	-	-	2.2	(4.6)	_	_	0.1	33.3	20
Petroleo Brasileiro, S.A. (Petrobras)	118.1	-	18.7	22.4	(19.0)	-	-	-	140.2	14
Pioneer Natural Resources Company	0.2	_	_	_	(0.2)	_	(0.1)	_	_	_
Repsol S.A.	115.0	3.0	-	23.0	(16.0)	-	-	-	125.0	16
Royal Dutch Shell plc	731.0	1.0	-	95.0	(106.0)	_	(33.0)	-	688.0	6
Sasol Limited	811.9	-	_	10.3	(42.7)	_	-	0.4	779.9	5
Statoil ASA	313.0	-	_	42.0	(56.0)	_	_	_	299.0	11
Total S.A.	2,276.0	176.0	_	63.0	(231.0)	_	(45.0)	_	2,239.0	1
All companies	11,425.2	487.2	119.7	447.6	(1,324.7)	-	(144.1)	(0.5)	11,010.4	
Integrateds	9,503.6	346.0	88.7	418.9	(1,093.3)	- -	(142.0)	0.5	9,122.4	•••••
Large independents	1,919.3	141.2	31.0	30.3	(230.7)	-	(2.1)	(1.0)	1,888.0	***************************************
Independents	2.3	_	_	(1.6)	(0.7)	_	_	_	_	***************************************

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes transfers, reclassifications and other.

 $^{^{(1)-(8)}}$ See company footnotes on page 108.

Africa and Middle East – gas reserves for the latest fiscal year

Bcf

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Apache Corporation	983.0	56.0	-	(14.0)	(129.5)	-	-	-	895.5	12
BP p.l.c.	3,257.0	1.0	69.0	(14.0)	(251.0)	_	_	_	3,062.0	4
Canadian Natural Resources Limited	54.0	_	-	_	(6.0)	-	_	-	48.0	16
Chevron Corporation	3,196.0	2.0	-	(30.0)	(87.0)	-	-	-	3,081.0	3
CNOOC Limited	-	-	-	-	-	-	-	-	-	-
ConocoPhillips	872.0	2.0	-	109.0	(70.0)	-	-	-	913.0	11
Eni SpA	8,139.0	114.0	-	284.0	(829.0)	-	(89.0)	-	7,619.0	1
EP Energy LLC	-	-	-	-	-	-	-	-	-	_
Exxon Mobil Corporation	982.0	_	-	2.0	(43.0)	-	(12.0)	-	929.0	10
Forest Oil Corporation	-	_	-	-	-	-	-	-	-	-
Hess Corporation	-	_	-	-	-	-	-	-	-	-
INPEX CORPORATION (7)	-	-	-	-	-	-	-	-	-	-
Marathon Oil Corporation	1,675.0	111.0	-	9.0	(162.0)	-	-	-	1,633.0	8
Mitsui & Co., Ltd.	37.0	4.0	_	(3.0)	(4.0)	-	_	-	34.0	18
Murphy Oil Corporation	_	_	-	-	_	-	-	-	-	-
Noble Energy, Inc.	3,055.0	58.0	_	(22.0)	(123.0)	-	_	_	2,968.0	5
Occidental Petroleum Corporation	1,925.0	784.0	34.0	62.0	(165.0)	-	-	-	2,640.0	6
OMV Aktiengesellschaft	118.5	_	_	47.1	(32.0)	-	_	_	133.6	15
Petroleo Brasileiro, S.A. (Petrobras)	39.3	-	-	6.2	_	-	_	-	45.5	17
Pioneer Natural Resources Company	12.7	_	_	_	(3.8)	-	(8.9)	_	_	19
Repsol S.A.	165.0	_	_	(1.0)	(12.0)	-	-	_	152.0	14
Royal Dutch Shell plc	2,800.0	89.0	_	(142.0)	(343.0)	_	(163.0)	-	2,241.0	7
Sasol Limited	1,521.4	-	-	10.8	(81.1)	-	-	-	1,451.1	9
Statoil ASA	431.0	-	-	(49.0)	(41.0)	-	-	-	341.0	13
Total S.A.	6,311.0	133.0	_	(101.0)	(332.0)	_	(173.0)	_	5,838.0	2
Total	35,573.8	1,354.0	103.0	154.1	(2,714.4)	-	(445.9)	-	34,024.7	
Integrateds	26,997.2	343.0	69.0	10.1	(2,055.1)	_	(437.0)	-	24,927.2	
Large independents	8,576.6	1,011.0	34.0	144.0	(659.3)	_	(8.9)	-	9,097.5	
Independents	_	_	_	_	_	_	_	_	_	

⁽a) Includes transfers, reclassifications and other.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Africa and Middle East – performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

				(Production rep		as	
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Apache Corporation	\$ 17.55	\$ 23.85	\$ 22.99	108%	97%	34%	22%	\$ 6.83
BP p.l.c.	-	76.39	76.39	(36)	(24)	170	178	9.83
Canadian Natural Resources Limited	-	(21.65)	(21.65)	(65)	(65)	(118)	(118)	19.98
Chevron Corporation	-	24.51	24.53	75	75	127	127	10.50
CNOOC Limited	-	27.76	27.76	169	169	-	_	9.84
ConocoPhillips	-	19.45	19.45	68	68	81	81	7.27
Eni SpA	-	23.30	23.36	85	88	82	86	10.48
EP Energy LLC	_	_	_	_	-	-	-	-
Exxon Mobil Corporation	_	50.04	50.05	30	41	107	117	21.13
Forest Oil Corporation	_	-		-	-	-	_	- -
Hess Corporation	-	44.74	44.74	14	41	-	_	13.96
INPEX CORPORATION (7)	_	811.71	811.71	(1)	1	-	_	-
Marathon Oil Corporation	-	11.11	11.12	82	82	66	66	3.65
Mitsui & Co., Ltd.	15.60	47.84	37.33	107	71	17	17	11.59
Murphy Oil Corporation	_	(114.76)	(121.88)	(72)	(72)	-	_	32.91
Noble Energy, Inc.	-	8.25	8.25	127	127	542	542	3.05
Occidental Petroleum Corporation	2.57	18.67	17.08	67	53	195	195	8.95
OMV Aktiengesellschaft	2.41	45.34	35.37	75	66	111	72	10.14
Petroleo Brasileiro, S.A. (Petrobras)	-	11.12	10.39	148	148	-	-	6.62
Pioneer Natural Resources Company	-	5.93	5.93	(281)	511	(108)	28	2.66
Repsol S.A.	_	14.58	14.58	107	107	211	211	13.07
Royal Dutch Shell plc	21.17	14.59	14.81	87	104	17	44	15.55
Sasol Limited	_	2.38	2.38	666	666	16	16	34.45
Statoil ASA	_	49.45	49.45	93	93	102	102	9.62
Total S.A. ⁽⁵⁾	-	52.37	53.41	41	59	(23)	(2)	7.08
All companies	\$ 16.29	\$ 23.77	\$ 23.65	79%	86%	94%	101%	\$ 11.81
Integrated	\$ 28.99	\$ 25.65	\$ 25.67	81%	90%	63%	73%	\$ 12.75
Large independents	8.48	16.82	16.46	73	71	186	185	7.19
Independents	_	(117.79)	(124.91)	(72)	(72)	- -	_	32.91

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.



Asia-Pacific

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates.

Asia-Pacific - capital expenditures (millions)

	2008	2009	2010	2011	2012
Proved properties acquired	\$ 1,456.4	\$ 2,530.7	\$ 2,465.7	\$ 2,287.5	\$ 350.5
Unproved properties acquired	1,999.3	949.1	1,726.6	5,986.8	7,546.4
Exploration	13,154.6	12,239.6	14,711.2	17,110.1	19,676.0
Development	69,862.8	59,695.0	66,675.9	76,609.9	100,874.5
Other	38.3	28.6	24.1	16.3	129.6
Total	\$ 86,511.4	\$ 75,442.9	\$ 85,603.6	\$ 102,010.7	\$ 128,577.0

Asia-Pacific – revenues and results of operations (millions)

	2008	2009	2010	2011	2012
Revenues	\$ 309,506.0	\$ 213,604.8	\$ 275,847.9	\$ 363,323.8	\$ 377,998.7
Production costs (a)	112,404.5	74,001.1	99,338.6	139,798.5	145,430.7
Exploration expense	7,815.4	7,620.8	8,598.4	10,474.7	12,010.5
DD&A (b)	36,085.9	32,778.0	39,750.8	44,294.1	51,919.3
Other expenses (c)	6,007.9	5,127.8	1,987.8	5,439.3	34.5
Pre-tax results of operations	147,192.4	94,077.1	126,172.4	163,317.2	168,603.8
Income taxes	51,630.1	28,306.2	39,630.5	52,519.5	57,465.9
Results of operations	\$ 95,562.2	\$ 65,770.9	\$ 86,541.9	\$ 110,797.7	\$ 111,137.8

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

Asia-Pacific - proved oil reserves (million barrels) (a)

	2008	2009	2010	2011	2012
Beginning of year	56,425.2	58,647.8	59,107.6	57,013.0	58,562.3
Additions:					
Extensions and discoveries	2,761.3	2,912.5	2,437.8	3,114.7	2,768.6
Improved recovery	296.0	423.2	666.8	313.4	318.2
Revisions	(141.4)	268.4	620.6	2,647.0	2,433.0
Production	(3,672.4)	(4,099.2)	(4,203.0)	(4,076.4)	(4,130.3)
Purchases	57.0	180.7	109.5	61.0	26.4
Sales	(248.9)	(46.3)	(1,471.0)	(72.0)	(934.1)
Other (b)	3,171.0	820.5	(255.3)	(438.4)	2.0
End of year	58,647.8	59,107.6	57,013.0	58,562.3	59,046.2

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽b) Includes transfers, reclassifications and other.

Asia-Pacific – proved gas reserves (Bcf)

	2008	2009	2010	2011	2012
Beginning of year	177,279.0	193,312.8	210,476.2	212,301.5	202,004.5
Additions:					
Extensions and discoveries	11,084.3	20,215.1	10,855.1	18,436.5	30,003.1
Improved recovery	111.9	344.4	261.5	77.8	273.2
Revisions	10,155.3	(7,207.8)	(2,474.9)	(840.8)	1,602.2
Production	(8,398.3)	(9,042.9)	(10,381.7)	(10,938.9)	(11,236.8)
Purchases	599.0	13,518.5	123.4	280.0	3.6
Sales	(338.4)	(223.0)	(3,511.0)	(3,890.0)	(1,018.1)
Other (a)	2,820.0	(440.9)	6,952.9	(13,421.7)	(2.0)
End of year	193,312.8	210,476.2	212,301.5	202,004.5	221,629.7

⁽a) Includes transfers, reclassifications and other.

Asia-Pacific – proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (a) (\$ per boe)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 9.29	\$ 1.04	\$ 18.96	\$ 21.25	\$ 12.99	\$ 19.28	\$ 3.18
FDC	13.14	12.51	16.10	11.05	11.84	12.43	12.57
RRC	13.05	9.13	16.17	11.18	11.84	12.51	11.90

Asia-Pacific – oil production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	74%	91%	56%	149%	112%	105%	97%
Excluding purchases and sales	79	88	89	149	134	123	108

Asia-Pacific – gas production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	257%	295%	51%	129%	275%	154%	197%
Excluding purchases and sales	254	148	83	162	284	179	186

Asia-Pacific - production costs (\$ per boe)

2008	2009	2010	2011	2012	3-year	5-year
\$ 22.16	\$ 13.20	\$ 17.00	\$ 24.08	\$ 24.56	\$ 21.89	\$ 20.21

Asia-Pacific – capital expenditures for the latest fiscal year

	Proved properties acquired	Unproved properties acquired	Exploration	Development	Other	Total capital expenditures
Apache Corporation	\$ 32.0	\$ -	\$ 149.0	\$ 915.0	\$ -	\$ 1,096.0
BHP Billiton Group	_	5.0	251.0	1,663.0	-	1,919.0
BP p.l.c. ⁽¹⁾	4.0	(53.0)	1,250.0	3,372.0	-	4,573.0
Chevron Corporation ⁽¹⁾	39.0	370.0	992.0	9,012.0	-	10,413.0
China Petroleum & Chemical Corporation (Sinopec)	_	-	3,587.7	11,279.4	-	14,867.2
CNOOC Limited	_	0.3	1,823.0	5,670.0	-	7,493.2
ConocoPhillips (1)	_	-	249.0	1,126.0	-	1,375.0
Eni SpA	-	-	375.5	1,903.3	_	2,278.8
Exxon Mobil Corporation	43.0	31.0	802.0	5,680.0	-	6,556.0
INPEX CORPORATION (7)	_	7.6	213.0	1,918.8	-	2,139.4
Mitsui & Co., Ltd.	_	15.6	173.0	522.3	-	710.9
Murphy Oil Corporation	_	-	68.8	1,385.1	48.6	1,502.5
Newfield Exploration Company	-	-	64.0	194.0	-	258.0
OAO LUKOIL	_	937.0	525.0	6,489.0	-	7,951.0
OAO NOVATEK	_	-	65.3	965.5	-	1,030.8
OJSC Rosneft Oil Company	-	193.2	740.5	8,885.8	-	9,819.5
PetroChina Company Limited	_	3,896.6	6,486.7	27,559.7	-	37,943.0
Repsol S.A.	198.0	101.6	55.3	9.0	-	363.9
Royal Dutch Shell plc	_	1,917.0	1,219.0	7,674.0	_	10,810.0
Talisman Energy Inc.	19.0	91.0	149.0	367.0	81.0	707.0
Total S.A.	15.4	33.4	437.2	4,283.7	_	4,769.8
All companies	\$ 350.5	\$ 7,546.4	\$ 19,676.0	\$ 100,874.5	\$ 129.6	\$ 128,577.0
Integrateds	\$ 299.5	\$ 7,442.5	\$ 16,709.2	\$ 87,635.7	\$ -	\$ 112,086.8
Large independents	32.0	12.9	2,685.0	11,292.7	-	14,022.6
Independents	19.0	91.0	281.8	1,946.1	129.6	2,467.5

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Asia-Pacific – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Apache Corporation	\$ 1,575.0	\$ 226.0	\$ -	\$ 460.0	\$ 17.0	\$ 262.0	\$ 610.0
BHP Billiton Group	6,233.0	1,667.0	156.0	707.0	_	1,332.0	2,371.0
BP p.l.c. (1) (6)	25,419.0	13,704.0	351.0	3,113.0	(40.0)	1,941.0	6,350.0
Chevron Corporation (1)	30,037.0	6,192.0	622.0	4,274.0	(2,644.0)	8,937.0	12,656.0
China Petroleum & Chemical Corporation (Sinopec)	36,059.8	13,828.4	2,461.8	6,385.4	_	3,637.8	9,746.3
CNOOC Limited	27,673.3	9,419.4	1,078.0	4,157.4	204.8	3,333.0	9,480.7
ConocoPhillips (1)	7,248.0	1,601.0	75.0	903.0	148.0	1,287.0	3,234.0
Eni SpA	5,654.6	738.2	457.8	1,295.0	(16.7)	1,383.7	1,796.6
Exxon Mobil Corporation	17,984.0	4,788.0	649.0	2,049.0		6,897.0	3,601.0
INPEX CORPORATION (7)	_	_		_		_	
Mitsui & Co., Ltd.	2,279.4	318.7	151.5	567.1		639.4	602.8
Murphy Oil Corporation	2,428.1	417.4	27.2	532.1	12.5	544.7	894.2
Newfield Exploration Company	1,091.0	385.0		266.0		162.0	278.0
OAO LUKOIL	40,176.0	27,809.0	205.0	2,544.0		1,618.0	8,000.0
OAO NOVATEK	5,944.1	2,641.1	65.1	340.9		579.4	2,317.7
OJSC Rosneft Oil Company	39,084.7	20,572.6	740.5	6,181.4	128.8	2,736.6	8,724.8
PetroChina Company Limited	97,841.9	37,404.1	3,799.3	14,975.6	671.5	8,180.1	32,811.2
Repsol S.A.	50.2	30.9	55.3	14.1		(15.4)	(34.7)
Royal Dutch Shell plc	23,501.0	2,709.0	636.0	1,526.0	1,388.0	11,846.0	5,396.0
Talisman Energy Inc.	2,190.0	471.0	170.0	422.0	_	539.0	588.0
Total S.A. (5)	5,528.5	508.0	309.9	1,206.3	164.6	1,625.5	1,714.2
All companies	\$ 377,998.7	\$ 145,430.7	\$ 12,010.5	\$ 51,919.3	\$ 34.5	\$ 57,465.9	\$ 111,137.8
Integrateds	\$ 329,560.3	\$ 131,243.9	\$ 10,504.3	\$ 44,471.8	\$ (347.8)	\$ 50,006.2	\$ 93,681.9
Large independents	42,729.3	12,913.4	1,309.0	6,227.4	369.8	6,214.0	15,695.7
Independents	5,709.1	1,273.4	197.2	1,220.1	12.5	1,245.7	1,760.2

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement. Revenues determined from the income statement include oil and gas sales and hedging and derivative gains/losses.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Asia-Pacific – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Apache Corporation	67.9	6.3		(0.1)	(10.6)	0.3			63.9	17
BHP Billiton Group	274.2	8.8		9.0	(39.1)				252.9	15
BP p.l.c. (1)	4,771.0	67.0	49.0	460.0	(376.0)		(15.0)		4,956.0	4
Chevron Corporation (1)	2,793.0	9.0	6.0	160.0	(243.0)	-	(22.0)	-	2,703.0	6
China Petroleum & Chemical Corporation (Sinopec)	2,848.0	151.0	163.0	9.0	(328.0)	-	-	-	2,843.0	5
CNOOC Limited	1,685.0	207.0	-	88.0	(232.0)	-	-	-	1,748.0	8
ConocoPhillips (1)	300.0	32.0	-	11.0	(36.0)	-	(40.0)	-	267.0	14
Eni SpA	784.0	_	_	59.0	(44.0)	-	(23.0)	_	776.0	10
Exxon Mobil Corporation	1,891.0	9.0	1.0	(5.0)	(129.0)	_	-	_	1,767.0	7
INPEX CORPORATION (7)	310.0	190.0	-	(9.0)	(33.0)	-	-	2.0	460.0	13
Mitsui & Co., Ltd.	42.0	_	_	16.0	(15.0)	-	-	_	43.0	18
Murphy Oil Corporation	104.4	3.8	7.2	(0.4)	(19.3)	-	-	_	95.7	16
Newfield Exploration Company	43.0	-	-	2.0	(11.0)	-	-	-	34.0	20
OAO LUKOIL	12,786.0	511.0	_	67.0	(631.0)	-	(3.0)	_	12,730.0	2
OAO NOVATEK ⁽⁸⁾	485.0	91.0	_	2.0	(35.0)	-	_	_	543.0	12
OJSC Rosneft Oil Company ⁽²⁾	16,352.0	736.0	-	1,375.0	(885.0)	1.0	(806.0)	-	16,773.0	1
PetroChina Company Limited	11,128.0	737.0	86.0	(16.0)	(917.0)	-	-	-	11,018.0	3
Repsol S.A.	-	-	-	-	(1.0)	24.0	-	-	23.0	21
Royal Dutch Shell plc	1,279.0	2.0	6.0	196.0	(122.0)	-	(24.0)	_	1,337.0	9
Talisman Energy Inc.	45.8	1.7	_	(0.5)	(9.3)	1.1	(1.1)	_	37.7	19
Total S.A.	573.0	6.0	_	10.0	(14.0)	-	_	-	575.0	11
All companies	58,562.3	2,768.6	318.2	2,433.0	(4,130.3)	26.4	(934.1)	2.0	59,046.2	
Integrateds	55,732.0	2,319.0	311.0	2,333.0	(3,740.0)	25.0	(893.0)		56,087.0	
Large independents	2,637.1	444.1	_	98.9	(350.7)	0.3	(40.0)	2.0	2,791.8	
Independents	193.2	5.5	7.2	1.1	(39.6)	1.1	(1.1)		167.4	

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes transfers, reclassifications and other.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Asia-Pacific – gas reserves for the latest fiscal year

Bcf

501										
	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Apache Corporation	1,569.6	177.0	-	0.1	(78.3)	1.7	_	_	1,670.1	15
BHP Billiton Group	4,038.1	6.6	-	90.1	(276.1)	-	_	-	3,858.7	12
BP p.l.c. ⁽¹⁾	10,111.0	1,310.0	156.0	566.0	(822.0)	-	(1.0)	-	11,320.0	7
Chevron Corporation (1)	18,716.0	797.0	1.0	1,523.0	(1,087.0)	-	(532.0)	-	19,418.0	3
China Petroleum & Chemical Corporation (Sinopec)	6,709.0	232.0	109.0	278.0	(598.0)	-	-	-	6,730.0	9
CNOOC Limited	5,456.0	911.0	-	(360.0)	(338.0)	-	_	-	5,669.0	10
ConocoPhillips (1)	2,519.0	14.0	_	113.0	(264.0)	_	(34.0)	_	2,348.0	14
Eni SpA	2,937.0	471.0	-	164.0	(261.0)	-	(139.0)	-	3,172.0	13
Exxon Mobil Corporation	13,718.0	59.0	_	359.0	(723.0)	_	_	_	13,413.0	6
INPEX CORPORATION (7)	1,819.0	5,364.0	_	268.0	(290.0)	_	_	(2.0)	7,159.0	8
Mitsui & Co., Ltd.	483.0	_	_	145.0	(97.0)	_	-	-	531.0	17
Murphy Oil Corporation	347.8	40.5	7.2	41.4	(79.3)	_	.	-	357.6	18
Newfield Exploration Company	4.0	-	-	(2.0)	(2.0)	-	-	-	-	-
OAO LUKOIL	16,851.0	595.0	-	602.0	(571.0)	-	-	-	17,477.0	4
OAO NOVATEK ⁽⁸⁾	26,547.0	13,455.0	-	231.0	(1,781.0)	-	_	-	38,452.0	2
OJSC Rosneft Oil Company ⁽²⁾	-	-	-	-	-	-	-	-	-	-
PetroChina Company Limited	66,653.0	6,218.0	-	(2,731.0)	(2,559.0)	-	-	-	67,581.0	1
Repsol S.A.	_	155.0	_	_	_	_	_	_	155.0	19
Royal Dutch Shell plc	16,643.0		_	296.0	(845.0)		(303.0)	<u> </u>	15,791.0	5
Talisman Energy Inc.	1,296.0	3.0	_	3.6	(132.1)	1.9	(9.1)		1,163.3	16
Total S.A.	5,587.0	195.0	-	15.0	(433.0)	-	-	-	5,364.0	11
All companies	202,004.5	30,003.1	273.2	1,602.2	(11,236.8)	3.6	(1,018.1)	(2.0)	221,629.7	
Integrateds	184,955.0	23,487.0	266.0	1,448.0	(9,777.0)		(975.0)		199,404.0	
Large independents	15,401.7	6,472.6	_	111.2	(1,246.4)	1.7	(34.0)	(2.0)	20,704.8	
Independents	1,647.8	43.5	7.2	43.0	(213.4)	1.9	(9.1)	.	1,520.9	

⁽a) Includes transfers, reclassifications and other.
(1)-(8) See company footnotes on page 108.

Asia-Pacific – performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

					Production rep	lacement rate	s	
			:	(Dil	G	as	Ì
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Apache Corporation	\$ 56.45	\$ 22.72	\$ 22.89	65%	64%	241%	240%	\$ 8.08
BHP Billiton Group		25.74	25.74	37	37	109	109	17.39
BP p.l.c. ⁽¹⁾	29.62	6.34	7.22	169	170	140	140	24.53
Chevron Corporation (1)	14.08	18.72	18.68	32	34	181	201	12.34
China Petroleum & Chemical Corporation (Sinopec)	_	30.57	30.57	92	92	99	99	29.29
CNOOC Limited	9.14	19.86	19.25	125	116	78	83	27.11
ConocoPhillips (1)	_	48.82	51.00	(560)	18	(254)	33	21.66
Eni SpA	_	142.08	142.08	(55)	(38)	56	73	7.58
Exxon Mobil Corporation	63.50	94.28	93.62	41	40	6	6	15.59
INPEX CORPORATION (7)	_	6.15	6.12	210	209	545	548%	
Mitsui & Co., Ltd.	_	34.53	34.53	61	61	62	62	9.01
Murphy Oil Corporation	_	44.58	44.58	77	77	35	35	11.83
Newfield Exploration Company	_	29.35	30.08	108	108	100	100	36.86
OAO LUKOIL	5.72	8.07	8.07	83	83	192	192	34.60
OAO NOVATEK	_	0.82	0.89	191	264	332	420	7.44
OJSC Rosneft Oil Company (2)	_	4.14	4.14	209	240	-	-	19.90
PetroChina Company Limited	-	19.75	19.75	91	91	160	160	24.99
Repsol S.A.	8.25	11.32	9.84	2,400	-	-	-	30.86
Royal Dutch Shell plc	0.14	57.18	52.36	108	106	(17)	2	9.89
Talisman Energy Inc.	14.87	2,495.61	205.99	85	79	(20)	(29)	13.67
Total S.A. ⁽⁵⁾	36.83	22.38	22.64	107	123	241	236	4.84
All companies	\$ 19.28	\$ 12.43	\$ 12.51	105%	123%	154%	179%	\$ 21.89
Integrated	\$ 21.97	\$ 11.92	\$ 12.00	119%	127%	160%	179%	\$ 21.84
Large independents	11.79	15.33	15.24	(23)	93	135	203	23.24
Independents	16.77	63.26	58.52	85	84	1	(5)	15.43

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.



Canada

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates.

Canada - capital expenditures (millions)

	2008	2009	2010	2011	2012
Proved properties acquired	\$ 6,704.4	\$ 1,019.0	\$ 4,216.1	\$ 2,151.0	\$ 1,701.1
Unproved properties acquired	6,741.4	1,140.6	4,333.2	2,839.6	1,510.7
Exploration	3,922.4	2,783.6	3,382.2	4,083.9	4,030.7
Development	16,737.8	18,198.5	22,934.5	26,740.6	33,160.4
Other	130.4	51.0	96.1	201.6	199.2
Total	\$ 34,236.3	\$ 23,192.7	\$ 34,962.2	\$ 36,016.7	\$ 40,602.1

Canada – revenues and results of operations (millions)

	2008	2009	2010		2011	2012
Revenues	\$ 57,702.7	\$ 40,392.4	\$ 47,581.3	\$	51,966.2	\$ 49,002.2
Production costs (a)	12,726.4	14,636.8	17,070.6		19,150.1	20,727.3
Exploration expense	1,222.1	1,111.4	1,064.1		1,179.3	1,868.6
DD&A (b)	34,422.3	15,995.5	14,207.1		17,290.3	22,866.9
Other expenses (c)	 954.2	 1,621.1	 (965.4)	*******	2,763.4	 2,924.1
Pre-tax results of operations	8,377.6	7,027.6	16,204.9		11,583.1	615.3
Income taxes	4,007.2	1,735.9	3,486.9		2,696.9	48.6
Results of operations	\$ 4,370.5	\$ 5,291.7	\$ 12,718.1	\$	8,886.3	\$ 566.7

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

Canada - proved oil reserves (a) (million barrels)

•	* * *	· ·			
	2008	2009	2010	2011	2012
Beginning of year	5,618.2	5,312.9	12,392.9	12,695.5	14,296.5
Additions:					
Extensions and discoveries	322.2	1,199.4	605.2	1,827.2	996.5
Improved recovery	29.0	98.0	42.0	65.0	75.2
Revisions (b)	(308.5)	7,273.4	305.6	187.8	950.9
Production	(434.0)	(498.2)	(488.3)	(495.8)	(549.3)
Purchases	101.1	100.4	163.4	88.0	38.9
Sales	(15.0)	(1,018.0)	(325.4)	(25.8)	(68.7)
Other (c)	-	(75.0)	_	(45.3)	1.0
End of year	5,312.9	12,392.9	12,695.5	14,296.5	15,741.1

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽b) Revisions for 2009 include 6,479.6 million barrels related to the addition of synthetic crude due to the SEC Rule. These reserves are not included in the performance measure calculations.

⁽c) Includes transfers, reclassifications and other.

Canada – proved gas reserves (Bcf)

	2008	2009	2010	2011	2012
Beginning of year	28,597.6	29,258.1	25,031.2	25,576.7	26,008.9
Additions:					
Extensions and discoveries	2,726.2	2,917.8	2,992.9	3,390.7	1,477.4
Improved recovery	100.0	19.0	30.0	90.0	21.2
Revisions	390.8	(1,786.6)	897.8	95.1	(5,869.7)
Production	(3,296.4)	(3,296.0)	(2,909.9)	(2,887.3)	(2,757.9)
Purchases	1,061.2	88.3	1,832.8	893.7	235.6
Sales	(321.2)	(2,050.3)	(2,298.1)	(883.0)	(872.5)
Other (a)	0.0	(119.2)	_	(267.0)	
End of year	29,258.1	25,031.2	25,576.7	26,008.9	18,243.1

⁽a) Includes transfers, reclassifications and other.

Canada – proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (\$ per boe)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 24.12	\$ 8.85	\$ 8.99	\$ 9.08	\$ 21.76	\$ 10.29	\$ 13.42
FDC	47.57	9.71	19.14	12.66	30.06	18.56	18.16
RRC	39.96	9.67	16.85	12.36	29.59	17.54	17.58

Canada – oil production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	30%	236%	162%	432%	363%	321%	253%
Excluding purchases and sales	10	420	195	420	368	330	292

Canada – gas production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	120%	(25)%	119%	124%	(182)%	24%	34%
Excluding purchases and sales	98	35	135	124	(158)	37	49

Canada – production costs (\$ per boe)

2008	2009	2010	2011	2012	3-year	5-year
\$ 12.94	\$ 13.97	\$ 17.54	\$ 19.60	\$ 20.54	\$ 19.24	\$ 16.90

Canada – capital expenditures for the latest fiscal year

	р	Proved roperties acquired	pro	proved operties cquired	E	xploration	De	velopment		Other		otal capita xpenditure:
Apache Corporation	\$	5.0	\$	-	\$	111.0	\$	762.0	\$	-	\$	878.0
BP p.l.c. ⁽¹⁾		-		-		222.0		590.0		-		812.0
Canadian Natural Resources Limited		144.1		44.0		251.1		5,775.3		-		6,214.5
Chevron Corporation		-		-		-		-		-		-
ConocoPhillips ⁽¹⁾		3.0		26.0		295.0		3,394.0		-		3,718.0
Devon Energy Corporation		71.0		43.0		304.0		1,691.0		-		2,109.0
Encana Corporation		18.0		121.0		201.0		1,366.0		-		1,706.0
EOG Resources, Inc.		-		33.6		38.5		246.0		33.0		351.1
Exxon Mobil Corporation		2.0		74.0		405.0		7,601.0		-		8,082.0
Husky Energy Inc.	•	6.0		15.0	•	338.1		4,076.6	••••••	-		4,435.8
Marathon Oil Corporation	•••••	-	•	-	• • • • • • • • • • • • • • • • • • • •	31.0		195.0	••••••	-		226.0
Murphy Oil Corporation	•••••	242.4	•	14.6	• • • • • • • • • • • • • • • • • • • •	56.9		583.8	••••••	80.8		978.5
Nexen Inc.	•••••	_	• • • • • • • • • • • • • • • • • • • •	-	•••••	153.1		1,229.5	********	-		1,382.6
Pengrowth Energy Corporation	•••••	1,156.7	•	705.3	• • • • • • • • • • • • • • • • • • • •	72.1		556.6	••••••	4.4		2,495.2
Penn West Petroleum Ltd.	•••••	52.0	•	37.0	• • • • • • • • • • • • • • • • • • • •	241.0		1,595.0	•••••	-		1,925.0
Quicksilver Resources Inc.	•••••	_	• • • • • • • • • • • • • • • • • • • •	5.6	•••••	8.3	•	178.8	••••••	-		192.7
Royal Dutch Shell plc	•	1.0		381.0	•	1,109.0		2,113.0	••••••	-		3,604.0
Sasol Limited	•••••	-	•	-	• • • • • • • • • • • • • • • • • • • •	_		882.7	••••••	-		882.7
Southwestern Energy Company	•••••	_	•	3.6	• • • • • • • • • • • • • • • • • • • •	2.5	•	_	••••••	-		6.1
Talisman Energy Inc.	••••••	_	• • • • • • • • • • • • • • • • • • • •	7.0	• • • • • • • • • • • • • • • • • • • •	191.0		324.0	********	81.0		603.0
All companies	\$	1,701.1	\$ 1	L,510.7	\$	4,030.7	\$	33,160.4	\$	199.2	\$	40,602.1
ntegrateds	\$	3.0	\$	455.0	\$	1,736.0	\$	11,186.7	\$		\$	13,380.7
Large independents	••••••	241.1		267.6	•••••	1,231.6	• •••••••	13,429.3	••••••	33.0		15,202.6
Independents	• • • • • • • • • • • • • • • • • • • •	1.457.1	• • • • • • • • • • • • • • • • • • • •	788.2	• • • • • • • • • • • • • • • • • • • •	1,063.0	• ••••••	8.544.4	••••••	166.2	••••••	12,018.9

Canada – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Apache Corporation	\$ 1,322.0	\$ 663.0	\$ -	\$ 2,463.0	\$ 41.0	\$ (466.0)	\$ (1,379.0)
BP p.l.c. (1) (6)	20.0	71.0	4.0	10.0	115.0	(67.0)	(113.0)
Canadian Natural Resources Limited	10,613.2	4,149.7	_	3,861.5	117.0	623.2	1,861.7
Chevron Corporation		_	_		_	_	
ConocoPhillips (1)	3,411.0	1,445.0	669.0	1,822.0	153.0	(210.0)	(468.0)
Devon Energy Corporation	2,474.0	1,207.0	_	1,126.0	69.0	3.0	69.0
Encana Corporation	2,760.0	952.0	_	2,570.0	_	(191.0)	(571.0)
EOG Resources, Inc.	322.0	162.0	14.9	1,198.9	_	(136.1)	(917.8)
Exxon Mobil Corporation	7,261.0	3,168.0	292.0	848.0	_	720.0	2,233.0
Husky Energy Inc.	5,369.1	1,798.7	305.1	2,093.8	_	339.1	832.3
Marathon Oil Corporation ⁽⁶⁾	1,261.0	932.0	31.0	217.0	_	20.0	61.0
Murphy Oil Corporation	1,084.3	411.9	10.5	375.1	13.6	65.1	208.1
Nexen Inc.	1,489.6	801.3	80.0	503.2	220.1	(91.9)	(23.2)
Pengrowth Energy Corporation	1,203.3	483.6	_	645.9	20.4	88.6	(35.1)
Penn West Petroleum Ltd.	2,872.1	1,048.4	_	1,525.6	_	77.5	220.6
Quicksilver Resources Inc.	92.0	60.5	_	490.8	_	(114.8)	(344.5)
Royal Dutch Shell plc	6,650.0	2,986.0	423.0	2,037.0	2,175.0	(428.0)	(543.0)
Sasol Limited	42.5	20.1	_	170.0	_	(53.2)	(94.5)
Southwestern Energy Company	_	_	_	_	_	-	_
Talisman Energy Inc.	755.0	367.0	39.0	909.0	-	(130.0)	(430.0)
All companies	\$ 49,002.2	\$ 20,727.3	\$ 1,868.6	\$ 22,866.9	\$ 2,924.1	\$ 48.6	\$ 566.7
Integrateds	\$ 13,973.5	\$ 6,245.1	\$ 719.0	\$ 3,065.0	\$ 2,290.0	\$ 171.8	\$ 1,482.5
Large independents	22,163.2	9,510.7	714.9	13,258.5	380.0	(356.9)	(1,344.1)
Independents	12,865.5	4,971.4	434.7	6,543.5	254.1	233.6	428.3

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement. Revenues determined from the income statement include oil and gas sales and hedging and derivative gains/losses.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Canada – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Apache Corporation	173.0	26.6	-	(7.1)	(8.1)	0.2	_	_	184.6	12
BP p.l.c. (1)	178.0	_	-	17.0	_	-	_	_	195.0	11
Canadian Natural Resources Limited	3,071.0	95.0	34.0	272.0	(131.0)	2.0	-	-	3,343.0	2
Chevron Corporation	523.0	-	_	6.0	(16.0)	-	_	-	513.0	9
ConocoPhillips (1)	1,520.0	313.0	-	190.0	(47.0)		-	-	1,976.0	3
Devon Energy Corporation	564.0	76.0	-	9.0	(36.0)	-	-	-	613.0	7
Encana Corporation	95.0	25.9	-	(10.0)	(7.1)	_	(2.2)	-	101.6	15
EOG Resources, Inc.	19.8	5.9	-	(1.9)	(2.9)	-	(1.4)	-	19.4	17
Exxon Mobil Corporation	3,877.0	372.0	-	269.0	(88.0)	-	(1.0)	-	4,429.0	1
Husky Energy Inc.	651.0	35.0	16.0	25.0	(66.0)	-	(1.0)	-	660.0	5
Marathon Oil Corporation	623.0	_	-	45.0	(15.0)	-	-	-	653.0	6
Murphy Oil Corporation	166.1	2.9	-	(8.7)	(10.4)	6.0	_	-	155.9	13
Nexen Inc.	577.0	14.0	-	2.0	(12.0)	-	-	-	581.0	8
Pengrowth Energy Corporation	105.6	13.0	-	2.6	(13.1)	30.7	(0.3)	-	138.5	14
Penn West Petroleum Ltd.	321.0	5.0	25.0	1.0	(31.0)	-	(49.0)	1.0	273.0	10
Quicksilver Resources Inc.	0.0	-	-	0.0	(0.0)	-	-	-	0.0	19
Royal Dutch Shell plc	1,770.0	2.0	-	135.0	(60.0)	-	(2.0)	-	1,845.0	4
Sasol Limited	-	-	0.2	-	-	-	-	-	0.2	18
Southwestern Energy Company	_	_	_	_	_	_	_	_	_	_
Talisman Energy Inc.	62.0	10.3	-	5.1	(5.7)	-	(11.8)	-	59.9	16
All companies	14,296.5	996.5	75.2	950.9	(549.3)	38.9	(68.7)	1.0	15,741.1	
Integrateds	6,348.0	374.0	0.2	427.0	(164.0)	- -	(3.0)	- -	6,982.2	•••••
Large independents	6,065.8	542.3	34.0	496.9	(247.1)	2.2	(3.6)	-	6,890.6	
Independents	1,882.7	80.2	41.0	27.0	(138.2)	36.7	(62.1)	1.0	1,868.3	

⁽a) Includes condensate, natural gas liquids and synthetic crude.

⁽b) Includes transfers, reclassifications and other.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Canada – gas reserves for the latest fiscal year

Bcf

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Apache Corporation	3,547.5	252.1	-	(1,444.0)	(219.8)	2.5	(0.4)	-	2,137.9	3
BP p.l.c. (1)	28.0	-	-	(19.0)	(5.0)	-	-	-	4.0	17
Canadian Natural Resources Limited	3,499.0	50.0	11.0	(517.0)	(429.0)	34.0	(1.0)	_	2,647.0	2
Chevron Corporation	_	_	-	-	-	-	-	_	_	-
ConocoPhillips (1)	2,113.0	75.0	-	(111.0)	(313.0)	2.0	(2.0)	-	1,764.0	4
Devon Energy Corporation	979.0	34.0	-	(132.0)	(186.0)	_	(11.0)	-	684.0	9
Encana Corporation	6,329.0	638.0	-	(1,497.0)	(497.0)	38.0	(461.0)	-	4,550.0	1
EOG Resources, Inc.	1,035.9	-	-	(894.5)	(34.6)	-	(8.5)	-	98.3	14
Exxon Mobil Corporation	835.0	95.0	-	168.0	(153.0)	-	(20.0)	-	925.0	8
Husky Energy Inc.	1,824.0	140.0	-	(357.0)	(190.0)	-	-	-	1,417.0	5
Marathon Oil Corporation	-	-	-	-	-	-	-	-	-	-
Murphy Oil Corporation	638.9	25.8	-	(37.2)	(79.5)	2.4	-	-	550.4	10
Nexen Inc.	325.0	_	-	(139.0)	(43.0)	_	(69.0)	-	74.0	15
Pengrowth Energy Corporation	501.4	3.1	-	(69.8)	(78.8)	156.7	(2.4)	_	510.2	12
Penn West Petroleum Ltd.	630.0	15.0	11.0	(20.0)	(101.0)	-	(9.0)	-	526.0	11
Quicksilver Resources Inc.	330.6	0.0	-	(33.9)	(29.9)	_	-	-	266.8	13
Royal Dutch Shell plc	2,045.0	84.0	-	(683.0)	(244.0)	-	(191.0)	-	1,011.0	7
Sasol Limited	54.9	-	(0.8)	18.1	(17.0)	-	-	-	55.2	16
Southwestern Energy Company	_	_	-	_	_	_	_	_	_	-
Talisman Energy Inc.	1,292.7	65.4	-	(101.4)	(137.2)	-	(97.2)	-	1,022.3	6
All companies	26,008.9	1,477.4	21.2	(5,869.7)	(2,757.9)	235.6	(872.5)	-	18,243.1	
Integrateds	2,962.9	179.0	(0.8)	(515.9)	(419.0)	<u> </u>	(211.0)	-	1,995.2	
Large independents	17,503.4	1,049.1	11.0	(4,595.5)	(1,679.4)	76.5	(483.9)	_	11,881.2	
Independents	5,542.6	249.3	11.0	(758.3)	(659.4)	159.1	(177.6)	-	4,366.7	•••••

⁽a) Includes transfers, reclassifications and other.
(1)-(8) See company footnotes on page 108.

Canada – performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

					Production rep	lacement rates		
				(Oil	G	as	
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Apache Corporation	\$ 12.38	\$ (46.58)	\$ 41.92	273%	82%	72%	(93)%	\$ 14.72
BP p.l.c. ⁽¹⁾	6.75	14.44	14.39	9,250	9,800	(1,239)	(34)	22.97
Canadian Natural Resources Limited	12.37	16.35	15.53	297	263	70	11	19.25
Chevron Corporation	_	_	_	233	133	-	-	_
ConocoPhillips ⁽¹⁾	8.00	8.60	8.60	515	717	47	56	14.17
Devon Energy Corporation	18.41	35.58	35.08	167	167	1	(0)	16.15
Encana Corporation	9.51	22.73	21.19	484	532	47	79	9.89
EOG Resources, Inc.	_	(7.30)	(7.30)	8	31	(832)	(624)	15.16
Exxon Mobil Corporation	_	10.28	10.28	667	671	21	87	23.87
Husky Energy Inc.	9.64	38.53	29.19	153	134	84	(3)	16.98
Marathon Oil Corporation	-	16.59	16.65	232	232	-	-	62.13
Murphy Oil Corporation	25.42	20.59	20.97	96	77	337	322	18.09
Nexen Inc.	-	80.46	80.46	22	100	(33)	27	40.22
Pengrowth Energy Corporation	19.39	46.69	32.66	219	130	144	49	18.00
Penn West Petroleum Ltd.	(53.47)	30.84	21.61	79	140	50	58	20.91
Quicksilver Resources Inc.	5.25	32.52	26.23	57	57	117	90	11.77
Royal Dutch Shell plc	_	23.90	23.90	195	196	77	107	29.90
Sasol Limited	12.87	482.15	126.65	-	-	377	87	7.05
Southwestern Energy Company	-	-	_	_	-	-	_	_
Talisman Energy Inc.	_	28.67	28.75	(59)	88	(113)	103	12.18
All companies	\$ 10.29	\$ 18.56	\$ 17.54	321%	330%	24%	37%	\$ 19.24
ntegrated	\$ 2.69	\$13.24	\$ 13.03	507%	504%	(26)%	89%	\$ 24.77
Large independents	12.22	18.96	17.70	315	331	24	7	16.82
Independents	7.62	35.24	29.05	116	126	57	76	18.98

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.



Europe

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates.

Europe - capital expenditures (millions)

	2008	2009		2010	2011		2012
Proved properties acquired	\$ 389.9	\$	288.4	\$ 1,206.6	\$	3,341.8	\$ 854.8
Unproved properties acquired	345.0		43.4	1,827.2		538.5	197.4
Exploration	4,943.6		4,291.5	4,161.9		4,698.5	4,491.2
Development	23,637.4		22,159.8	20,463.6		29,219.6	37,531.1
Other	85.7		229.3	148.7		255.9	400.0
Total	\$ 29,401.6	\$	27,012.4	\$ 27,807.9	\$	38,054.3	\$ 43,474.5

Europe – revenues and results of operations (millions)

	2008	2009	2010	2011	2012
Revenues	\$ 153,877.1	\$ 103,688.6	\$ 119,336.4	\$ 150,877.7	\$ 141,502.7
Production costs (a)	22,041.5	24,123.9	25,453.4	29,594.5	31,029.0
Exploration expense	3,464.5	2,657.0	3,000.0	3,653.0	3,288.0
DD&A (b)	23,547.4	20,876.3	21,535.2	20,462.5	23,487.0
Other expenses (c)	1,379.4	525.2	1,591.9	1,577.9	1,771.5
Pre-tax results of operations	103,444.3	55,506.2	67,755.9	95,589.7	81,927.1
Income taxes	66,548.5	34,140.8	40,216.6	62,640.3	53,263.6
Results of operations	\$ 36,895.7	\$ 21,365.4	\$ 27,539.3	\$ 32,949.5	\$ 28,663.5

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

Europe - proved oil reserves (a) (million barrels)

, ,	· · ·	· ·			
	2008	2009	2010	2011	2012
Beginning of year	7,685.0	6,653.7	6,763.0	7,130.9	7,796.1
Additions:					
Extensions and discoveries	119.5	381.7	362.5	331.4	194.5
Improved recovery	73.0	57.0	109.0	78.5	13.0
Revisions	(33.1)	790.3	647.9	837.4	219.4
Production	(1,160.8)	(1,090.6)	(1,045.5)	(953.9)	(837.6)
Purchases	2.0	9.0	197.0	105.6	89.4
Sales	(69.7)	(15.2)	(73.0)	(68.0)	(263.2)
Other (b)	37.9	(22.9)	170.0	334.1	0.1
End of year	6,653.7	6,763.0	7,130.9	7,796.1	7,211.7

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽b) Includes transfers, reclassifications and other.

Europe - proved gas reserves (Bcf)

	2008	2009	2010	2011	2012
Beginning of year	49,245.3	68,381.8	65,250.6	63,029.3	63,287.4
Additions:					
Extensions and discoveries	646.8	442.9	1,034.0	629.8	972.7
Improved recovery	85.0	59.0	158.0	112.0	97.0
Revisions	684.8	2,635.0	2,367.2	3,140.4	1,444.7
Production	(5,190.1)	(6,128.2)	(6,293.4)	(5,736.3)	(5,706.4)
Purchases	84.0	217.0	291.0	348.7	190.5
Sales	(72.0)	(357.0)	(121.0)	(294.0)	(2,029.3)
Other (a)	22,898.1	0.1	343.0	2,057.5	(0.1)
End of year	68,381.8	65,250.6	63,029.3	63,287.4	58,256.4

⁽a) Includes transfers, reclassifications and other.

Europe - proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (\$ per boe)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 24.37	\$ 6.39	\$ 4.91	\$ 20.41	\$ 7.06	\$ 10.19	\$ 10.28
FDC	73.36	15.26	15.53	18.32	50.38	23.34	24.19
RRC	71.46	15.03	14.20	18.49	44.95	21.94	23.05

Europe - oil production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	8%	112%	119%	135%	30%	98%	80%
Excluding purchases and sales	14	113	107	131	51	98	82

Europe – gas production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	28%	49%	59%	69%	12%	47%	44%
Excluding purchases and sales	27	51	57	68	44	56	50

Europe - production costs (\$ per boe)

2008	2009	2010	2011	2012	3-year	5-year
\$ 10.88	\$ 11.42	\$ 12.15	\$ 15.49	\$ 17.35	\$ 14.86	\$ 13.32

Europe – capital expenditures for the latest fiscal year

		Proved properties acquired		Unproved properties acquired	E	Exploration	De	velopment		Other	Total capital expenditures
Apache Corporation	\$	110.0	\$	26.0	\$	111.0	\$	837.0	\$	-	\$ 1,084.0
BG Group plc		-		-		156.0		941.0		-	 1,097.0
BP p.l.c.		_		-		220.0		2,691.0		-	 2,911.0
Canadian Natural Resources Limited		_		-		-		556.2		-	 556.2
Chevron Corporation		-		-		253.0		753.0		-	 1,006.0
ConocoPhillips		-		2.0		102.0		3,515.0		-	 3,619.0
Eni SpA ⁽¹⁾		-		-		252.1		4,564.0		-	 4,816.1
Exxon Mobil Corporation (1)		95.0		24.0		488.0		2,793.0		-	 3,400.0
Forest Oil Corporation		-		-		0.7		0.2		-	 0.9
Hess Corporation		-		78.0		89.0		1,792.0		-	 1,959.0
Marathon Oil Corporation		3.0		-		54.0		468.0		-	 525.0
Murphy Oil Corporation		-		-		(1.0)		58.1		(11.5)	 45.6
Nexen Inc.		-		-		202.1		1,003.4		-	 1,205.5
OMV Aktiengesellschaft		-		-		207.7		1,088.8		(49.5)	 1,247.0
Repsol S.A.		-		-		102.9		123.5		-	 226.3
Royal Dutch Shell plc (1)		387.0		16.0		459.0		3,289.0		-	 4,151.0
Statoil ASA	•	-		-		893.7		7,854.6	•••••	-	 8,748.3
Talisman Energy Inc.	••••••	-	• • • • • • • • • • • • • • • • • • • •	-		132.0		1,110.0	•••••	461.0	 1,703.0
Total S.A. ⁽⁵⁾	•••••	259.8	• • • • • • • • • • • • • • • • • • • •	51.4	•••••	769.0	••••••	4,093.4	•••••	_	 5,173.6
All companies	\$	854.8	\$	197.4	\$	4,491.2	\$	37,531.1	\$	400.0	\$ 43,474.5
Integrateds	\$	741.8	\$	169.4	\$	3,734.4	\$	29,042.2	\$	(49.5)	\$ 33,638.3
Large independents	••••••	113.0		28.0		423.0		6,317.2	•••••	-	 6,881.2
Independents	• • • • • • • • • • • • • • • • • • • •	-		-	•••••	333.8		2,171.7	••••••	449.5	 2,955.0

Europe – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Apache Corporation	\$ 2,751.0	\$ 790.0	\$ -	\$ 912.0	\$ 58.0	\$ 614.0	\$ 377.0
BG Group plc	2,951.0	516.0	86.0	340.0	90.0	1,234.0	685.0
BP p.l.c. ⁽⁶⁾	5,429.0	1,750.0	134.0	1,391.0	(1,084.0)	808.0	2,430.0
Canadian Natural Resources Limited	837.3	426.2	_	296.1	27.0	55.0	33.0
Chevron Corporation	3,766.0	640.0	272.0	556.0	33.0	1,511.0	754.0
ConocoPhillips	8,198.0	1,235.0	104.0	1,169.0	172.0	3,980.0	1,538.0
Eni SpA (1)	9,845.7	1,626.8	245.6	1,944.4	423.1	3,140.4	2,465.3
Exxon Mobil Corporation (1)	18,648.0	6,894.0	291.0	1,711.0	_	6,307.0	3,445.0
Forest Oil Corporation	_	_	_	34.8	0.1	_	(34.9)
Hess Corporation	2,460.0	1,059.0	71.0	585.0	_	334.0	411.0
Marathon Oil Corporation (6)	4,449.0	393.0	42.0	614.0	_	2,537.0	863.0
Murphy Oil Corporation	_	_	_	_	_	_	_
Nexen Inc.	3,890.6	439.2	117.0	752.3	18.0	2,047.8	516.2
OMV Aktiengesellschaft	4,460.6	1,420.6	138.6	764.0	50.2	413.9	1,673.3
Repsol S.A.	104.2	25.7	108.0	47.6	5.1	(48.9)	(33.4)
Royal Dutch Shell plc ⁽¹⁾	21,428.0	6,851.0	364.0	1,740.0	941.0	7,296.0	4,236.0
Statoil ASA	37,932.2	3,815.6	601.6	5,121.8	618.7	19,885.6	7,888.9
Talisman Energy Inc.	2,980.0	1,452.0	92.0	2,954.0	_	(1,324.0)	(194.0)
Total S.A. (5)	11,372.2	1,695.0	621.1	2,554.0	419.2	4,472.7	1,610.1
All companies	\$ 141,502.7	\$ 31,029.0	\$ 3,288.0	\$ 23,487.0	\$ 1,771.5	\$ 53,263.6	\$ 28,663.5
Integrateds	\$ 115,445.8	\$ 25,777.7	\$ 2,847.0	\$ 16,414.8	\$ 1,406.5	\$ 44,119.8	\$ 24,880.1
Large independents	19,186.3	3,360.2	232.0	3,331.1	347.0	8,420.0	3,496.0
Independents	6,870.6	1,891.2	209.0	3,741.1	18.1	723.8	287.3

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement. Revenues determined from the income statement include oil and gas sales and hedging and derivative gains/losses.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Europe – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Apache Corporation	178.7	0.6	_	(7.3)	(23.9)	2.4	_	-	150.5	14
3G Group plc	164.6	1.4	-	7.5	(20.8)	-	-	-	152.7	13
BP p.l.c.	1,032.0	1.0	3.0	(55.0)	(39.0)	4.0	(24.0)	-	922.0	2
Canadian Natural Resources Limited	244.0	-	-	(2.0)	(7.0)	-	-	-	235.0	10
Chevron Corporation	159.0	-	9.0	16.0	(27.0)	-	-	-	157.0	12
ConocoPhillips	555.0	3.0	-	26.0	(51.0)	-	(16.0)	-	517.0	6
Eni SpA ⁽¹⁾	631.0	3.0	1.0	1.0	(58.0)	-	-	-	578.0	5
Exxon Mobil Corporation (1)	346.0	8.0	-	15.0	(64.0)	20.0	(8.0)	_	317.0	9
Forest Oil Corporation	_	_	-	_	-	-	-	-	-	-
less Corporation	494.0	18.0	-	(16.0)	(31.0)	-	(49.0)	-	416.0	8
Marathon Oil Corporation	97.0	-	-	28.0	(36.0)	-	-	-	89.0	16
Aurphy Oil Corporation	21.6	-	-	0.3	(1.3)	-	-	-	20.6	17
Nexen Inc.	193.0	4.0	-	18.0	(34.0)	-	-	-	181.0	11
DMV Aktiengesellschaft	441.5	1.3	-	22.6	(34.5)	-	-	0.1	431.0	7
Repsol S.A.	6.0	_	_	_	(1.0)	-	_	-	5.0	18
Royal Dutch Shell plc ⁽¹⁾	754.0	44.0	-	19.0	(80.0)	56.0	-	-	793.0	3
Statoil ASA	1,369.0	100.0	-	150.0	(231.0)	-	(17.0)	-	1,371.0	1
alisman Energy Inc.	297.7	(16.8)	-	(23.7)	(26.1)	-	(117.2)	-	113.9	15
Total S.A.	812.0	27.0	-	20.0	(72.0)	7.0	(32.0)	-	762.0	4
All companies	7,796.1	194.5	13.0	219.4	(837.6)	89.4	(263.2)	0.1	7,211.7	
ntegrateds	6,044.5	202.3	13.0	172.6	(637.5)	87.0	(130.0)	0.1	5,752.0	
Large independents	1,239.3	5.0	_	52.2	(138.7)	2.4	(16.0)	- -	1,144.2	•••••
ndependents	512.3	(12.8)	•••••	(5.4)	(61.4)	•••••	(117.2)	•••••	315.5	•••••

⁽a) Includes condensate, natural gas liquids and synthetic crude.

⁽b) Includes transfers, reclassifications and other. (1)-(8) See company footnotes on page 108.

Europe – gas reserves for the latest fiscal year

Bcf

-		Extensions								
	Beginning	and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
pache Corporation	108.4	16.4	_	_	(21.0)	8.5	_	-	112.3	12
G Group plc	936.0	(1.0)	_	(22.0)	(87.0)	-	-	-	826.0	9
P p.l.c.	2,813.0	7.0	95.0	(31.0)	(169.0)	16.0	(546.0)	-	2,185.0	7
anadian Natural Pesources Limited	97.0	-	-	(13.0)	(1.0)	-	-	-	83.0	14
hevron Corporation	258.0	-	2.0	84.0	(87.0)	-	-	-	257.0	11
onocoPhillips	1,896.0	36.0	-	96.0	(208.0)	-	(14.0)	-	1,806.0	8
ni SpA ⁽¹⁾	3,918.0	39.0	-	197.0	(422.0)	-	(782.0)	-	2,950.0	5
xxon Mobil Corporation (1)	13,755.0	184.0	-	185.0	(1,206.0)	6.0	(140.0)	-	12,784.0	3
orest Oil Corporation	51.7	-	-	(51.7)	-	-	-	-	-	-
less Corporation	563.0	1.0	-	4.0	(19.0)	-	(192.0)	-	357.0	10
larathon Oil Corporation	119.0	-	-	15.0	(31.0)	-	-	-	103.0	13
lurphy Oil Corporation	21.0	_	_	(0.5)	(1.2)	-	-	-	19.3	17
lexen Inc.	66.0	1.0	-	13.0	(14.0)	-	-	-	66.0	16
MV Aktiengesellschaft	2,494.9	70.6	-	(9.0)	(230.7)	-	-	(0.1)	2,325.7	6
epsol S.A.	-	-	-	2.0	(2.0)	-	-	-	-	-
oyal Dutch Shell plc (1)	15,401.0	71.0	-	(75.0)	(1,251.0)	22.0	-	-	14,168.0	2
tatoil ASA	15,689.0	279.0	-	824.0	(1,483.0)	-	(305.0)	-	15,004.0	1
alisman Energy Inc.	86.3	52.7	-	(41.1)	(11.5)	-	(20.3)	-	66.1	15
otal S.A.	5,014.0	216.0	_	268.0	(462.0)	138.0	(30.0)	_	5,144.0	4
all companies	63,287.4	972.7	97.0	1,444.7	(5,706.4)	190.5	(2,029.3)	(0.1)	58,256.4	
ntegrateds	59,905.9	867.6	97.0	1,449.0	(5,331.7)	182.0	(1,995.0)	(0.1)	55,174.7	
arge independents	3,156.4	51.4	-	76.0	(348.0)	8.5	(14.0)	-	2,930.3	
ndependents	225.0	53.7		(80.3)	(26.7)		(20.3)		151.4	

⁽a) Includes transfers, reclassifications and other.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

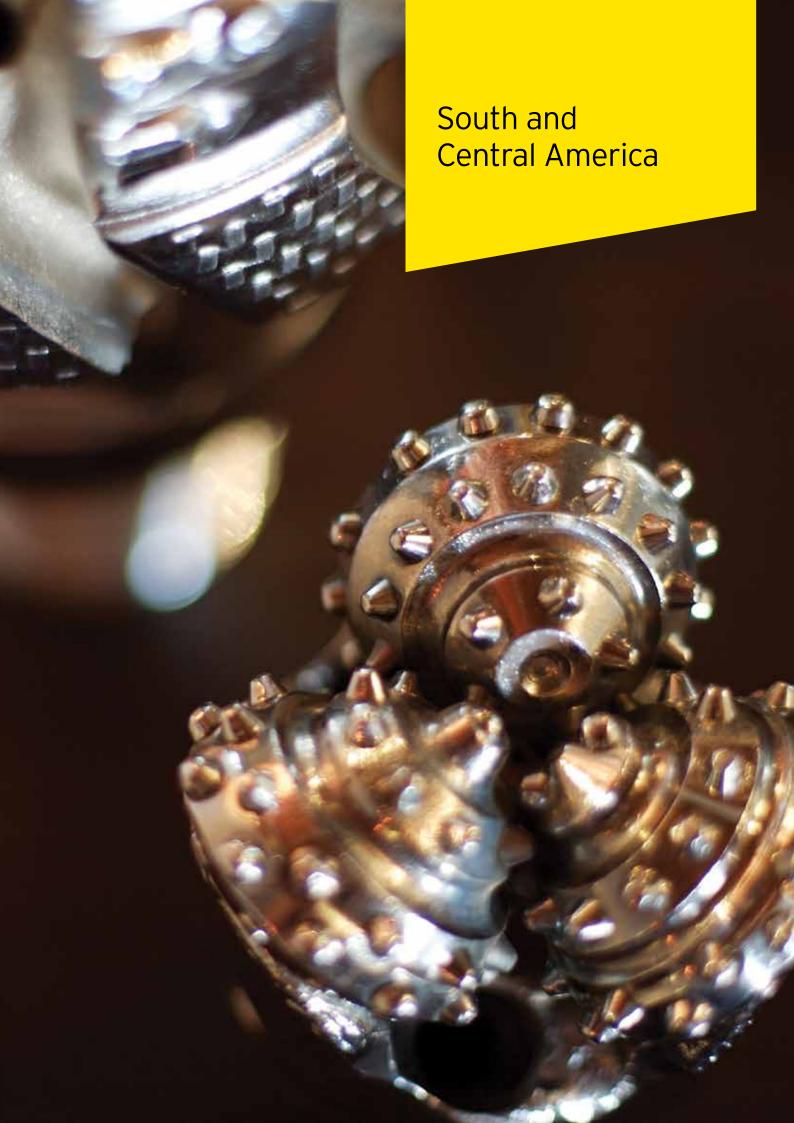
Europe – performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

					Production rep	lacement rate	S		
				(Oil	G	ias		
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs	
Apache Corporation	\$ 38.58	\$ (78,939.10)	\$ 85.16	67%	(4)%	573%	75%	\$ 31.86	
BG Group plc	3.87	34.44	29.32	73	69	67	44	12.02	
BP p.l.c.	-	35.36	29.27	75	89	(2)	95	19.04	
Canadian Natural Resources Limited	-	31.20	31.20	83	83	329	329	46.94	
Chevron Corporation	_	20.63	20.63	87	87	72	72	11.60	
ConocoPhillips	-	23.06	23.06	108	117	74	76	11.66	
Eni SpA ⁽¹⁾	_	30.97	30.81	97	98	14	76	10.96	
Exxon Mobil Corporation (1)	5.79	27.99	26.32	53	57	14	21	21.12	
Forest Oil Corporation	_	(0.57)	(0.57)	-	_	-	_	-	
Hess Corporation	3.92	45.55	19.41	187	102	(166)	17	24.46	
Marathon Oil Corporation	_	14.16	14.18	88	88	94	94	8.81	
Murphy Oil Corporation	_	8.60	8.60	362	362	(107)	(107)	14.74	
Nexen Inc.	51.12	20.74	21.09	112	111	229	221	10.16	
OMV Aktiengesellschaft	_	33.68	33.68	47	47	61	61	19.66	
Repsol S.A.	_	347.82	347.82	(5)	56	58	58	36.84	
Royal Dutch Shell plc (1)	10.15	10.53	10.50	199	182	58	58	19.57	
Statoil ASA	8.35	19.31	18.97	103	103	53	57	7.72	
Talisman Energy Inc.	_	286.38	287.23	(103)	11	25	54	35.19	
Total S.A. ⁽⁵⁾	9.43	20.54	18.93	111	118	106	94	9.73	
All companies	\$ 10.19	\$ 23.34	\$ 21.94	98%	98%	47%	56%	\$ 14.86	
Integrated	\$ 6.11	\$ 21.39	\$ 19.77	108%	105%	44%	55%	\$ 14.48	
Large independents	32.30	28.91	29.35	91	84	84	70	14.92	
Independents	61.12	52.61	52.69	11	66	43	58	22.73	

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.

 $^{^{(1)-(8)}}$ See company footnotes on page 108.



South and Central America

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates.

South and Central America - capital expenditures (millions)

	2008	2009	2010	2011	2012
Proved properties acquired	\$ 784.0	\$ 1,391.7	\$ 502.9	\$ 1,055.8	\$ 169.0
Unproved properties acquired	70.3	147.6	43,927.7	2,995.2	217.3
Exploration	7,784.5	7,777.0	8,745.0	10,862.5	11,618.4
Development	27,107.7	29,700.4	33,549.2	34,352.1	38,594.5
Other	29.0	12.0	(3.0)	_	15.0
Total	\$ 35,775.6	\$ 39,028.7	\$ 86,721.7	\$ 49,265.6	\$ 50,614.1

South and Central America – revenues and results of operations (millions)

	2008	2009	2010	2011	2012
Revenues	\$ 187,407.8	\$ 121,443.1	\$ 162,827.2	\$ 217,039.9	\$ 219,323.9
Production costs (a)	35,353.3	30,352.9	37,047.5	46,651.5	48,769.1
Exploration expense	3,136.2	4,389.2	4,504.7	5,474.6	7,167.5
DD&A (b)	16,002.5	14,125.2	17,916.2	17,450.0	21,750.1
Other expenses (c)	5,628.9	4,738.3	5,903.4	7,903.1	8,327.1
Pre-tax results of operations	127,286.9	67,837.5	97,455.3	139,560.7	133,310.1
Income taxes	84,770.6	47,652.2	65,104.6	90,192.0	87,135.8
Results of operations	\$ 42,516.3	\$ 20,185.2	\$ 32,350.7	\$ 49,368.7	\$ 46,174.3

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

South and Central America – proved oil reserves (a) (million barrels)

	2008	2009	2010	2011	2012 (b)
Beginning of year	23,878.2	22,779.1	24,033.9	24,604.9	24,432.3
Additions:					
Extensions and discoveries	490.5	609.0	1,241.6	632.1	683.2
Improved recovery	103.2	69.7	142.1	53.7	403.5
Revisions	643.9	2,695.7	1,110.7	1,627.3	1,224.5
Production	(2,137.4)	(2,114.6)	(2,153.1)	(2,135.2)	(2,136.0)
Purchases	12.5	103.7	240.3	40.4	-
Sales (b)	(210.8)	(103.7)	(16.7)	(29.0)	(594.0)
Other (c)	(1.0)	(5.0)	6.1	(361.9)	585.0
End of year	22,779.1	24,033.9	24,604.9	24,432.3	24,598.5

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽b) Sales for 2012 include 584.0 million barrels for the expropriation process of Repsol's shares in YPF. This amount is not included in the all sources production replacement rate calculation.

⁽c) Includes transfers, reclassifications and other. The 2012 figure includes 584.0 million barrels, which represents YPF's 2012 beginning-of-year oil reserves.

South and Central America – proved gas reserves (Bcf)

	2008	2009	2010	2011	2012 (a)
Beginning of year	49,060.8	46,982.5	44,423.8	46,058.0	45,328.2
Additions:					
Extensions and discoveries	1,799.1	899.8	2,456.3	1,778.8	1,885.0
Improved recovery	215.4	350.3	580.5	90.9	147.5
Revisions	565.8	1,037.1	2,923.0	2,633.8	2,046.9
Production	(4,777.4)	(4,665.8)	(4,719.6)	(4,451.7)	(4,449.5)
Purchases	123.1	110.3	546.0	186.8	-
Sales (a)	(3.0)	(110.3)	(152.2)	(274.0)	(2,426.0)
Other (b)	(1.3)	(180.0)	0.1	(694.4)	2,362.0
End of year	46,982.5	44,423.8	46,058.0	45,328.2	44,894.1

⁽a) Sales for 2012 include 2,397 Bcf for the expropriation process of Repsol's shares in YPF. This amount is not included in the all sources production replacement rate calculation.

South and Central America – proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (\$ per boe)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 23.76	\$ 11.40	\$ 1.52	\$ 14.76	\$ -	\$ 4.29	\$ 7.00
FDC	20.98	10.02	24.72	15.74	16.87	19.37	17.21
RRC	21.04	10.07	22.71	15.71	16.92	18.76	16.84

South and Central America – oil production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	49%	160%	126%	109%	108%	114%	110%
Excluding purchases and sales	58	160	116	108	108	111	110

South and Central America – gas production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	57%	49%	135%	99%	91%	109%	86%
Excluding purchases and sales	54	49	126	101	92	107	84

South and Central America – production costs (\$ per boe)

2008	2009	2010	2011	2012	3-year	5-year
\$ 12.05	\$ 10.49	\$ 12.60	\$ 16.21	\$ 16.95	\$ 15.24	\$ 13.65

⁽b) Includes transfers, reclassifications and other. The 2012 figure includes 2,360.0 Bcf, which represents YPF's 2012 beginning-of-year gas

South and Central America – capital expenditures for the latest fiscal year

	Proved properties acquired	pr	nproved operties cquired	E	xploration	Dev	elopment	Other	otal capital xpenditures
Apache Corporation	\$ -	\$	-	\$	157.0	\$	161.0	\$ _	\$ 318.0
BP p.l.c.	51.0		27.0		758.0		581.0	 -	 1,417.0
Ecopetrol S.A.	-		37.3		932.3		5,117.8	 _	 6,087.3
EOG Resources, Inc.	_		1.0		19.6		30.6	2.0	53.2
EP Energy LLC	-		-		7.0		3.0	13.0	23.0
Occidental Petroleum Corporation	_		-		1.0		304.0	 -	 305.0
Petroleo Brasileiro, S.A. (Petrobras)	118.0		-		5,952.0	16	6,976.0	 -	 23,046.0
Petroleos Mexicanos (PEMEX)	-		-		2,534.6	12	2,042.2	 -	 14,576.9
Repsol S.A.	-		-		416.7	:	1,031.4	 -	 1,448.0
Royal Dutch Shell plc	-		152.0		479.0		354.0	 -	 985.0
Talisman Energy Inc.	-		-		-		-	 -	 -
YPF S.A.	-		-		361.2		1,993.5	 -	 2,354.7
All companies	\$ 169.0	\$	217.3	\$	11,618.4	\$ 38	8,594.5	\$15.0	\$ 50,614.1
Integrateds	\$ 169.0	\$	216.3	\$	11,433.8	\$ 38	8,095.9	\$ _	49,915.0
Large independents	 _		1.0		177.6		495.6	 2.0	 676.2
Independents	 -		_		7.0		3.0	 13.0	 23.0

South and Central America – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Apache Corporation	\$ 519.0	\$ 226.0	\$ -	\$ 225.0	\$ 4.0	\$ 22.0	\$ 42.0
BP p.l.c. ⁽⁶⁾	3,010.0	974.0	120.0	606.0	115.0	804.0	391.0
Ecopetrol S.A.	23,627.7	3,742.2	774.4	1,871.4	3,615.3	4,483.8	9,140.6
EOG Resources, Inc.	565.0	38.9	2.3	146.7	_	119.4	257.8
EP Energy LLC	122.0	53.0	7.0	82.0	_	_	(20.0)
Occidental Petroleum Corporation	1,085.0	188.0	3.0	117.0	43.0	252.0	482.0
Petroleo Brasileiro, S.A. (Petrobras)	77,521.0	28,454.0	3,789.0	7,038.0	1,953.0	12,269.0	24,018.0
Petroleos Mexicanos (PEMEX)	101,342.8	9,271.5	1,962.7	9,300.5	2,343.3	68,263.7	10,201.1
Repsol S.A.	3,158.4	1,268.0	245.6	556.8	86.2	399.9	601.9
Royal Dutch Shell plc	1,454.0	400.0	198.0	315.0	63.0	137.0	341.0
Talisman Energy Inc.	_	_		_	_		
YPF S.A.	6,918.9	4,153.5	65.5	1,491.7	104.4	384.9	718.9
All companies	\$ 219,323.9	\$ 48,769.1	\$ 7,167.5	\$ 21,750.1	\$ 8,327.1	\$ 87,135.8	\$ 46,174.3
Integrateds	\$ 217,032.9	\$ 48,263.2	\$ 7,155.2	\$ 21,179.4	\$ 8,280.1	\$ 86,742.4	\$ 45,412.5
Large independents	2,169.0	452.9	5.3	488.7	47.0	393.4	781.8
Independents	122.0	53.0	7.0	82.0			(20.0)

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement. Revenues determined from the income statement include oil and gas sales and hedging and derivative gains/losses.

(b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

South and Central America – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Endina	Ending rank
Apache Corporation	27.7	1.1	_	0.5	(4.7)	_	-	_	24.7	9
BP p.l.c.	75.0	_		(11.0)	(10.0)	_	- -	-	54.0	8
Ecopetrol S.A.	1,371.0	90.4	65.3	42.7	(199.2)	-	-	-	1,370.2	3
EOG Resources, Inc.	3.5	_	-	0.1	(0.6)	-	-	-	3.0	11
EP Energy LLC	2.3	-	-	0.3	(0.4)	-	-	-	2.2	12
Occidental Petroleum Corporation	96.0	_	7.0	4.0	(11.0)	_	<u> </u>	_	96.0	6
Petroleo Brasileiro, S.A. (Petrobras)	10,611.0	435.8	325.2	67.8	(716.9)	_	_	_	10,722.9	2
Petroleos Mexicanos (PEMEX)	11,362.0	103.0	_	1,013.0	(1,053.0)	_	_	(1.0)	11,424.0	1
Repsol S.A.	808.0	24.0	- -	14.0	(24.0)	_	(594.0)	2.0	230.0	5
Royal Dutch Shell plc	63.0	7.0	-	12.0	(13.0)	-	-	-	69.0	7
Talisman Energy Inc.	12.8	3.9	-	0.1	(3.3)	-	-	-	13.5	10
YPF S.A. (10)	-	18.0	6.0	81.0	(100.0)	_	-	584.0	589.0	4
All companies	24,432.3	683.2	403.5	1,224.5	(2,136.0)	-	(594.0)	585.0	24,598.5	
Integrateds	24,290.0	678.2	 396.5	1,219.5	(2,116.1)	- -	(594.0)	585.0	24,459.1	
Large independents	127.2	1.1	7.0	4.6	(16.2)	_	-	-	123.7	•••••
Independents	15.1	3.9	- -	0.4	(3.7)	_	-	_	15.7	••••••

⁽a) Includes condensate, natural gas liquids and synthetic crude. (b) Includes transfers, reclassifications and other.

South and Central America – gas reserves for the latest fiscal year

Bcf

	Designing	Extensions and	Improved	Davisiana	Draduation	Durchases	Sales	Other (a)	Endina	Ending
Apache Corporation	Beginning 537.6	discoveries 2.6	recovery –	Revisions 0.5	Production (78.1)	Purchases –	Sales –	Other (a)	462.6	rank 8
BP p.l.c.	9,398.0	598.0	756.0	(116.0)	(775.0)	_	(23.0)	- -	9,838.0	3
Ecopetrol S.A.	2,768.4	298.6	_	8.8	(189.3)	_	-	- -	2,886.5	5
EOG Resources, Inc.	750.7	_	-	(24.1)	(138.4)	_	-	-	588.2	7
EP Energy LLC	81.0	_	_	(3.0)	(10.0)	_	_	-	68.0	10
Occidental Petroleum Corporation	33.0	_	11.0	_	(5.0)	_	_	_	39.0	12
Petroleo Brasileiro, S.A. (Petrobras)	12,270.0	295.4	(623.5)	356.9	(857.2)	_	_	_	11,441.6	2
Petroleos Mexicanos (PEMEX)	12,734.0	162.0	_	1,377.0	(1,560.0)	_	_	_	12,713.0	1
Repsol S.A.	6,568.0	503.0	_	216.0	(373.0)	_	(2,403.0)	2.0	4,513.0	4
Royal Dutch Shell plc	104.0	4.0	-	8.0	(21.0)	-	- -	-	95.0	9
Talisman Energy Inc.	83.5	(9.6)	-	3.8	(11.5)	-	- -	-	66.2	11
YPF S.A. (10)	-	31.0	4.0	219.0	(431.0)	_	-	2,360.0	2,183.0	6
All companies	45,328.2	1,885.0	147.5	2,046.9	(4,449.5)	-	(2,426.0)	2,362.0	44,894.1	
Integrateds	43,842.4	1,892.0	136.5	2,069.7	(4,206.5)		(2,426.0)	2,362.0	43,670.1	
Large independents										
Independents	164.5	(9.6)	_	0.8	(21.5)	_			134.2	•••••

⁽a) Includes transfers, reclassifications and other.

South and Central America – performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

., .,	•				5	Ī		
				(Oil	G	as	Ì
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Apache Corporation	\$ -	\$ 27.68	\$ 27.68	55%	55%	71%	71%	\$ 10.91
BP p.l.c.	41.14	14.07	14.58	(21)	31	71	83	5.26
Ecopetrol S.A.	23.72	16.30	16.56	145	142	205	187	14.29
EOG Resources, Inc.	_	273.09	273.09	31	31	0	0	2.04
EP Energy LLC	_	(61.94)	(61.94)	(79)	(79)	(23)	(23)	26.37
Occidental Petroleum Corporation	-	8.68	9.75	220	227	231	231	10.55
Petroleo Brasileiro, S.A. (Petrobras)	-	33.23	33.28	127	127	123	123	30.45
Petroleos Mexicanos (PEMEX)	-	10.97	10.97	92	92	115	115	6.78
Repsol S.A.	9.20	10.06	10.02	(63)	137	(1)	121	14.62
Royal Dutch Shell plc	_	33.68	33.68	162	162	(110)	(107)	19.45
Talisman Energy Inc.	-	-	-	341	71	405	(26)	-
YPF S.A.	-	15.98	15.98	105	105	59	59	24.17
All companies	\$ 4.29	\$ 19.37	\$ 18.76	114%	111%	109%	107%	\$ 15.24
Integrated	\$ 20.16	\$ 19.44	\$ 19.44	101%	110%	90%	111%	\$ 15.40
Large independents	0.45	14.84	5.48	439	165	113	33	7.96
Independents	-	128.00	4.04	270	46	156	(24)	10.55

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.



US

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates. Activity related to acquired companies has also been reflected as described on page 1.

US - capital expenditures (millions)

	2008	2009	2010	2011	2012
Proved properties acquired	\$ 20,384.0	\$ 3,993.5	\$ 42,749.7	\$ 14,174.4	\$ 22,836.1
Unproved properties acquired	33,962.1	9,711.3	59,369.2	33,673.1	34,058.6
Exploration	16,853.8	14,732.1	16,351.9	22,836.3	27,498.2
Development	68,362.5	46,692.6	63,467.6	86,312.8	104,734.0
Other	768.9	201.8	112.2	203.9	439.3
Total	\$ 140,331.3	\$ 75,331.3	\$ 182,050.6	\$ 157,200.5	\$ 189,566.2

US - revenues and results of operations (millions)

	2008	2009	2010	2011	2012
Revenues	\$ 190,168.6	\$ 125,652.2	\$ 153,483.0	\$ 187,631.1	\$ 182,666.7
Production costs (a)	45,406.8	36,808.6	41,154.7	52,303.2	57,369.9
Exploration expense	5,140.4	5,024.4	4,954.0	5,818.5	7,140.4
DD&A (b)	71,140.9	75,471.2	45,536.6	52,795.8	86,882.2
Other expenses (c)	 4,218.7	 3,691.7	 2,821.7	 5,222.9	 400.9
Pre-tax results of operations	64,261.8	4,656.3	59,016.1	71,490.7	30,873.3
Income taxes	23,866.6	1,409.0	20,314.5	24,555.3	11,427.5
Results of operations	\$ 40,395.2	\$ 3,247.3	\$ 38,701.6	\$ 46,935.4	\$ 19,445.8

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

US - proved oil reserves (million barrels) (a)

•					
	2008	2009	2010 (b)	2011	2012 (c)
Beginning of year	16,504.7	15,957.2	16,850.1	19,084.9	20,903.2
Additions:					
Extensions and discoveries	758.6	934.7	1,686.1	2,536.7	3,795.5
Improved recovery	395.5	170.1	397.4	324.0	520.0
Revisions	(1,233.9)	1,133.0	965.3	598.8	(95.7)
Production	(1,188.6)	(1,380.1)	(1,429.9)	(1,457.1)	(1,640.2)
Purchases	298.2	200.8	1,146.0	312.7	906.0
Sales	(159.9)	(165.9)	(730.5)	(223.2)	(865.9)
Other (d)	582.7	0.2	200.5	(273.6)	0.0
End of year	15,957.2	16,850.1	19,084.9	20,903.2	23,523.0

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽b) Beginning-of-year reserves for 2010 include 387.6 billion barrels, which represent XTO Energy's end-of-year 2009 gas reserves. Sales for 2010 include 387.6 billion barrels to reflect the sale of XTO Energy's reserves to ExxonMobil.

⁽c) Beginning-of-year reserves for 2012 include 114.8 million barrels, which represent Petrohawk Energy's end-of-year 2011 oil reserves. Sales for 2012 include 114.8 million barrels, to reflect the sale of Petrohawk Energy's reserves to BHP Billiton.

⁽d) Includes transfers, reclassifications and other.

US - proved gas reserves (Bcf)

	2008	2009	2010 (a)	2011	2012 (b)
Beginning of year	141,040.7	148,054.8	154,964.2	174,816.4	184,651.1
Additions:					
Extensions and discoveries	19,085.4	27,811.3	28,383.3	27,721.3	24,665.0
Improved recovery	1,866.9	719.9	1,338.2	846.3	1,382.4
Revisions	(6,905.1)	(8,805.5)	1,455.9	(4,242.7)	(29,337.0)
Production	(11,065.5)	(11,762.9)	(11,914.5)	(13,078.9)	(13,601.1)
Purchases	5,620.5	1,241.4	17,458.4	6,568.2	7,286.1
Sales	(2,588.3)	(2,414.2)	(17,018.6)	(7,977.7)	(9,273.6)
Other (c)	1,000.3	119.4	149.5	(1.8)	(0.1)
End of year	148,054.8	154,964.2	174,816.4	184,651.1	165,772.8

⁽a) Beginning-of-year reserves for 2010 include 12,501 Bcf, which represent XTO Energy's end-of-year 2009 gas reserves. Sales for 2010 include 12,501.7 Bcf to reflect the sale of XTO Energy's reserves to ExxonMobil.

US – proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (\$ per boe)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 16.51	\$ 9.80	\$ 10.54	\$ 10.07	\$ 10.78	\$ 10.52	\$ 11.29
FDC	53.04	12.91	16.90	19.04	45.40	23.11	23.53
RRC	40.14	12.70	14.80	17.62	32.73	19.58	20.43

US - oil production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	5%	165%	242%	244%	260%	249%	192%
Excluding purchases and sales	(7)	162	213	237	257	237	182

US - gas production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	154%	158%	265%	175%	(39)%	128%	138%
Excluding purchases and sales	127	168	262	186	(24)	135	140

US - production costs (\$ per boe)

2008	2009	2010	2011	2012	3-year	5-year
\$ 14.97	\$ 11.02	\$ 12.05	\$ 14.38	\$ 14.68	\$ 13.76	\$ 13.45

⁽b) Beginning-of-year reserves for 2012 include 3,355.1 Bcf, which represent Petrohawk Energy's end-of-year 2011 gas reserves. Sales for 2012 include 3,355.1 Bcf to reflect the sale of Petrohawk Energy's reserves to BHP Billiton.

⁽c) Includes transfers, reclassifications and other.

US - capital expenditures for the latest fiscal year

	Proved properties acquired	Unproved properties acquired	Exploration	Development	Other	Total capital expenditures
Anadarko Petroleum Corporation	\$ -	\$ 224.0	\$ 1,064.0	\$ 3,592.0	\$ -	\$ 4,880.0
Antero Resources LLC	10.3	687.4	_	839.2	9.4	1,546.2
Apache Corporation	1,076.0	2,329.0	1,369.0	4,465.0	_	9,239.0
Berry Petroleum Company	70.7	10.7	16.4	714.3	_	812.1
BHP Billiton Group	4,746.0	10,366.0	690.0	4,460.0	_	20,262.0
Bill Barrett Corporation	6.0	163.0	32.2	754.5	8.3	964.0
BP p.l.c.	256.0	1,111.0	1,069.0	3,866.0	_	6,302.0
Cabot Oil & Gas Corporation	-	88.9	59.2	821.8	_	969.9
Chesapeake Energy Corporation	332.0	2,981.0	2,353.0	6,733.0	_	12,399.0
Chevron Corporation	248.0	1,150.0	511.0	6,597.0	_	8,506.0
Cimarex Energy Co.	2.6	117.7	109.2	1,426.9	12.5	1,669.0
Concho Resources Inc.	828.7	441.0	778.6	725.7	47.3	2,821.3
ConocoPhillips	33.0	564.0	1,376.0	4,561.0	_	6,534.0
CONSOL Energy, Inc.	50.0	28.6	130.3	339.6	_	548.6
Continental Resources, Inc.	738.4	745.6	854.4	1,975.7	3.3	4,317.4
Denbury Resources Inc.	491.0	115.3	12.0	1,111.3	_	1,729.6
Devon Energy Corporation	2.0	1,135.0	351.0	4,408.0	_	5,896.0
Encana Corporation	5.0	235.0	633.0	1,094.0	_	1,967.0
Energen Corporation	79.9	58.6	419.3	749.3	_	1,307.0
EOG Resources, Inc.	0.7	471.3	333.5	5,577.4	80.0	6,463.0
EP Energy LLC ⁽¹⁾	-	51.0	199.0	1,295.0	49.0	1,594.0
EQT Corporation	17.0	117.7	4.8	850.9	_	990.3
EXCO Resources, Inc.	-	47.9	57.3	346.0	1.0	452.2
Exxon Mobil Corporation (1)	192.0	1,731.0	646.0	7,676.0	_	10,245.0
Forest Oil Corporation	-	64.1	268.2	398.9	_	731.2
Hess Corporation	_	179.0	405.0	4,236.0	_	4,820.0
Laredo Petroleum Holdings, Inc.	16.9	3.7	93.3	831.7	7.4	953.0
Linn Energy, LLC	2,531.4	181.1	0.5	1,062.0	4.7	3,779.7
Marathon Oil Corporation	756.0	432.0	1,587.0	2,469.0	_	5,244.0
Murphy Oil Corporation	69.1	107.7	176.2	1,314.8	36.2	1,704.0

	Proved properties acquired	Unproved properties acquired	Exploration	Development	Other	Total capital expenditures
National Fuel Gas Company	\$ 13.1	\$ 13.9	\$ 84.6	\$ 576.4	\$ 10.3	\$ 698.3
Newfield Exploration Company	3.0	64.0	929.0	659.0	-	1,655.0
Nexen Inc.	-	12.0	255.1	156.1	-	423.2
Noble Energy, Inc.	-	68.0	335.0	1,839.0	-	2,242.0
Occidental Petroleum Corporation	1,689.0	613.0	539.0	5,344.0	_	8,185.0
PDC Energy, Inc.	105.3	276.2	20.7	233.1	-	635.4
Petrohawk Energy Corporation	-	-	-	-	-	-
Petroleo Brasileiro, S.A. (Petrobras)	498.0	-	601.0	538.0	-	1,637.0
Pioneer Natural Resources Company	16.9	140.5	964.6	1,824.8	58.9	3,005.8
Plains Exploration & Production Company (1)	4,139.0	2,102.6	1,241.1	835.8	-	8,318.6
QEP Resources, Inc.	714.4	692.6	14.3	1,310.0	_	2,731.3
Quicksilver Resources Inc.	-	23.7	35.2	131.9	_	190.9
Range Resources Corporation	-	188.8	379.6	1,090.2	58.0	1,716.6
Repsol S.A.	_	255.9	293.2	599.3	_	1,148.4
Rosetta Resources Inc.	-	18.8	93.5	532.0	_	644.3
Royal Dutch Shell plc ⁽¹⁾	567.0	2,610.0	4,908.0	4,026.0	_	12,111.0
SandRidge Energy, Inc.	1,761.6	377.2	120.4	1,705.0	_	3,964.2
SM Energy Company	5.8	115.0	220.9	1,346.2	_	1,687.9
Southwestern Energy Company	-	217.2	194.8	1,492.8	_	1,904.8
Swift Energy Company	37.2	15.6	_	670.3	_	723.1
Talisman Energy Inc.	2.0	37.0	11.0	1,097.0	53.0	1,200.0
Ultra Petroleum Corporation	-	48.0	199.6	587.6	_	835.2
Vanguard Natural Resources, LLC	705.2	_	_	50.4	_	755.6
Whiting Petroleum Corporation	19.8	119.2	436.1	1,667.2	_	2,242.2
WPX Energy, Inc.	_	111.0	23.0	1,130.0	_	1,264.0
All companies	\$ 22,836.1	\$ 34,058.6	\$ 27,498.2	\$ 104,734.0	\$ 439.3	\$ 189,566.2
Integrateds	\$ 1,761.0	\$ 7,036.9	\$ 8,433.2	\$ 27,538.3	\$ -	\$ 44,769.4
Large independents	8,673.6	19,865.4	11,979.6	48,308.2	196.9	89,023.7
Independents	12,401.4	7,156.3	7,085.4	28,887.5	242.4	55,773.1

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

US – revenues and results of operations for the latest fiscal year (a)

······································							
	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Anadarko Petroleum Corporation ⁽⁴⁾	\$ 9,000.0	\$ 2,616.0	\$ 1,484.0	\$ 3,684.0	\$ -	\$ 445.4	\$ 770.6
Antero Resources LLC	390.4	185.5	15.3	194.7	-	(2.0)	(3.2)
Apache Corporation	6,226.0	1,734.0	-	1,984.0	112.0	851.0	1,545.0
Berry Petroleum Company	872.6	311.6	20.9	226.0	-	106.6	207.6
BHP Billiton Group	4,894.0	1,376.0	275.0	4,964.0	_	(745.0)	(976.0)
Bill Barrett Corporation	773.4	204.8	8.8	394.7	-	121.8	43.3
BP p.l.c. ⁽³⁾	16,166.0	5,326.0	649.0	5,046.0	(1,930.0)	2,762.0	4,313.0
Cabot Oil & Gas Corporation	1,161.6	310.4	37.5	451.4	-	161.6	200.7
Chesapeake Energy Corporation	6,278.0	1,492.0	-	5,822.0	-	(404.0)	(632.0)
Chevron Corporation	16,954.0	4,663.0	244.0	3,589.0	59.0	3,043.0	5,356.0
Cimarex Energy Co.	1,581.7	402.9	_	484.5	13.0	251.2	430.0
Concho Resources Inc.	1,692.4	343.7	39.8	575.1	4.2	277.8	451.7
ConocoPhillips	15,108.0	6,606.0	377.0	3,174.0	390.0	1,438.0	3,123.0
CONSOL Energy, Inc.	709.8	337.9	_	203.0	39.0	49.6	80.4
Continental Resources, Inc.	2,379.4	423.9	23.5	805.5	_	428.1	698.5
Denbury Resources Inc.	2,414.7	682.3	_	490.5	52.8	457.8	731.3
Devon Energy Corporation	4,679.0	1,558.0	_	3,356.0	40.0	(99.0)	(176.0)
Encana Corporation	3,365.0	1,142.0		3,944.0	_	(623.0)	(1,098.0)
Energen Corporation	1,167.2	306.4	19.4	394.7	7.5	157.7	281.6
EOG Resources, Inc.	7,089.4	1,856.2	163.9	2,931.7	_	761.5	1,376.1
EP Energy LLC (1)	1,587.0	455.0	45.0	578.0	_	43.0	466.0
EQT Corporation	793.8	96.2	10.4	409.6	_	109.7	168.0
EXCO Resources, Inc.	612.7	207.5	_	1,649.9	3.9	_	(1,248.5)
Exxon Mobil Corporation (1)	16,365.0	6,516.0	400.0	5,038.0	_	1,561.0	2,850.0
Forest Oil Corporation	605.5	156.9	_	1,233.5	6.5	173.4	(964.8)
Hess Corporation	4,104.0	1,153.0	426.0	1,838.0	_	269.0	418.0
Laredo Petroleum Holdings, Inc.	583.6	105.0	_	237.1	1.2	83.7	156.6
Linn Energy, LLC	1,725.9	525.0	1.9	1,001.9	(1.4)	_	198.5
Marathon Oil Corporation	3,871.0	1,277.0	564.0	1,793.0	_	86.0	151.0
Murphy Oil Corporation	1,038.0	305.1	51.9	401.8	11.4	99.8	168.0

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
National Fuel Gas Company	\$ 488.6	\$ 107.0	\$ -	\$ 182.8	\$ 3.1	\$ 81.9	\$ 113.8
Newfield Exploration Company	1,469.0	466.0	_	2,149.0	_	(401.0)	(745.0)
Nexen Inc.	303.1	100.0	204.1	269.1	111.0	(304.4)	(76.7)
Noble Energy, Inc.	2,339.0	539.0	225.0	1,002.0		201.0	372.0
Occidental Petroleum Corporation	10,379.0	3,607.0	230.0	4,143.0	723.0	508.0	1,168.0
PDC Energy, Inc.	307.1	77.5	22.6	309.2	4.1	(40.4)	(65.9)
Petrohawk Energy Corporation	_	_	_	_	_	_	
Petroleo Brasileiro, S.A. (Petrobras)	309.0	40.0	48.0	177.0	113.0	_	(69.0)
Pioneer Natural Resources Company	3,141.9	823.4	206.3	1,342.8	9.9	250.5	509.1
Plains Exploration & Production Company ⁽¹⁾	2,679.7	681.3	40.3	1,152.0	(0.4)	312.5	493.9
QEP Resources, Inc.	1,393.4	501.1	11.2	971.4		(33.6)	(56.7)
Quicksilver Resources Inc.	538.9	226.5		2,268.1		(684.5)	(1,271.3)
Range Resources Corporation	1,393.1	375.5	69.8	606.1		164.4	177.4
Repsol S.A.	1,081.5	9.0	181.3	402.5	3.9	176.2	308.6
Rosetta Resources Inc.	573.0	111.0	_	154.2		115.7	192.0
Royal Dutch Shell plc ⁽¹⁾	10,194.0	3,135.0	811.0	4,106.0	576.0	531.0	1,035.0
SandRidge Energy, Inc.	1,759.3	524.4		568.0	29.0	(437.6)	1,075.5
SM Energy Company	1,533.4	391.9	90.2	953.1		34.4	63.7
Southwestern Energy Company	1,948.2	505.3		2,704.9		(502.7)	(759.3)
Swift Energy Company	554.2	164.3		247.2	5.1	58.8	78.7
Talisman Energy Inc.	654.0	280.0	12.0	610.0	_	_	(248.0)
Ultra Petroleum Corporation	810.0	268.7	_	3,361.4	_	(679.7)	(2,140.5)
Vanguard Natural Resources, LLC	311.3	103.7	-	350.2	_	_	(142.7)
Whiting Petroleum Corporation	2,226.0	548.0	59.1	792.6	_	309.4	516.8
WPX Energy, Inc.	2,091.0	1,109.0	72.0	1,164.0	14.0	(98.0)	(170.0)
All companies	\$ 182,666.7	\$ 57,369.9	\$ 7,140.4	\$ 86,882.2	\$ 400.9	\$ 11,427.5	\$ 19,445.8
Integrateds	\$ 65,173.5	\$ 20,842.0	\$ 2,759.3	\$ 20,196.5	\$ (1,178.1)	\$ 8,342.2	\$ 14,211.6
Large independents	78,557.2	25,098.2	3,605.4	39,156.1	1,274.9	2,944.4	6,478.1
Independents	38,936.0	11,429.7	775.7	27,529.5	304.1	140.9	(1,244.0)

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement. Revenues determined from the income statement include oil and gas sales and hedging and derivative gains/losses.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

US – oil reserves for the latest fiscal year (a)

Million barrels

Willion Darreis										
	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Anadarko Petroleum Corporation	897.0	12.0	-	127.0	(84.0)	-	(48.0)	-	904.0	7
Antero Resources LLC	181.0	118.0	_	4.0	-	-	(97.0)	_	206.0	29
Apache Corporation	794.0	156.6	-	(12.0)	(61.4)	16.2	(0.1)	-	893.3	9
Berry Petroleum Company	185.9	8.5	-	12.1	(10.0)	8.3	(0.6)	-	204.2	30
BHP Billiton Group	267.4	5.0	34.1	170.3	(36.6)	73.9	_	_	514.1	14
Bill Barrett Corporation	30.6	17.3	-	6.6	(2.7)	0.3	(1.3)	-	50.8	44
BP p.l.c.	2,858.0	23.0	140.0	(280.0)	(142.0)	21.0	(188.0)	_	2,432.0	1
Cabot Oil & Gas Corporation	20.5	9.6	_	(3.1)	(2.4)	_	(0.2)	_	24.4	48
Chesapeake Energy Corporation	545.5	513.4	_	(114.8)	(48.9)	4.8	(107.2)	-	792.8	10
Chevron Corporation	1,311.0	77.0	24.0	104.0	(166.0)	10.0	(1.0)	-	1,359.0	5
Cimarex Energy Co.	138.1	64.1	_	(7.6)	(18.5)	0.0	(8.4)	-	167.8	32
Concho Resources Inc.	238.3	60.4	-	(15.9)	(18.0)	30.3	(21.5)	-	273.5	24
ConocoPhillips	2,009.0	245.0	16.0	-	(151.0)	1.0	-	-	2,120.0	3
CONSOL Energy, Inc.	-	-	-	-	-	-	-	-	-	-
Continental Resources, Inc.	326.1	166.8	_	33.3	(25.1)	67.1	(7.2)	-	561.2	13
Denbury Resources Inc.	357.7	14.9	69.5	(7.5)	(24.5)	24.7	(105.8)	-	329.1	21
Devon Energy Corporation	693.0	179.0	-	(39.0)	(57.0)	_	-	-	776.0	11
Encana Corporation	38.2	39.2	-	38.9	(4.2)	0.1	(3.8)	-	108.4	36
Energen Corporation	183.5	46.9	-	(18.1)	(11.3)	10.5	-	-	211.5	28
EOG Resources, Inc.	721.9	312.6	-	51.4	(74.8)	1.6	(23.2)	-	989.4	6
EP Energy LLC ⁽¹⁾	198.5	122.8	-	(7.0)	(11.8)	0.0	(3.9)	-	298.7	22
EQT Corporation	2.9	0.3	-	0.3	(0.3)	_	-	-	3.2	52
EXCO Resources, Inc.	6.4	0.9	-	6.2	(1.2)	_	-	-	12.2	50
Exxon Mobil Corporation (1)	2,008.0	166.0	22.0	23.0	(122.0)	163.0	(15.0)	_	2,245.0	2
Forest Oil Corporation	76.0	23.5	-	(12.2)	(6.6)	_	(5.8)	_	75.0	40
Hess Corporation	373.0	108.0	7.0	32.0	(45.0)	-	(2.0)	-	473.0	16
Laredo Petroleum Holdings, Inc.	56.3	57.4	_	(12.4)	(4.8)	1.7	-	-	98.1	37
Linn Energy, LLC	282.5	50.3	_	(40.6)	(19.7)	98.4	_	-	370.9	17
Marathon Oil Corporation	279.0	172.0	2.0	9.0	(39.0)	52.0	_	-	475.0	15
Murphy Oil Corporation	55.3	77.3	_	13.0	(9.5)	6.5	_	-	142.6	34
National Fuel Gas Company	43.3	1.3	_	1.1	(2.9)	-	_	-	42.9	46
Newfield Exploration Company	220.0	55.0	-	(4.0)	(14.0)	-	(17.0)	-	240.0	26
Nexen Inc.	14.0	_	_	_	(2.0)	_	_	_	12.0	51

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Noble Energy, Inc.	244.0	106.0	-	(57.0)	(24.0)	-	(25.0)	-	244.0	25
Occidental Petroleum Corporation	1,751.0	7.0	159.0	(69.0)	(120.0)	55.0	_	_	1,783.0	4
PDC Energy, Inc.	57.2	39.1	-	(10.4)	(2.9)	18.9	(9.8)	-	92.1	39
Petrohawk Energy Corporation ⁽⁹⁾	114.8	-	-	-	-	-	(114.8)	-	-	54
Petroleo Brasileiro, S.A. (Petrobras)	53.7	-	_	23.5	(3.3)	-	-	-	73.9	41
Pioneer Natural Resources Company	640.8	126.8	7.5	(28.6)	(33.7)	7.4	(0.8)	-	719.4	12
Plains Exploration & Production Company (1)	249.5	45.7	_	(14.7)	(25.3)	113.2	(1.5)	(0.0)	366.8	18
QEP Resources, Inc.	144.1	40.3	-	(0.8)	(11.6)	46.9	-	0.0	218.9	27
Quicksilver Resources Inc.	105.2	3.9	_	(45.9)	(4.4)	_	(0.1)	_	58.7	43
Range Resources Corporation	174.0	128.5	-	5.4	(9.8)	-	(12.6)	-	285.5	23
Repsol S.A.	49.0	6.0	_	2.0	(10.0)	_	(1.0)	_	46.0	45
Rosetta Resources Inc.	86.6	39.2	_	(0.0)	(8.0)	0.2	(2.0)	_	116.0	35
Royal Dutch Shell plc ⁽¹⁾	838.0	30.0	7.0	90.0	(82.0)	26.0	(6.0)	_	903.0	8
SandRidge Energy, Inc.	244.8	116.9	_	(22.3)	(18.0)	32.2	(23.6)	_	330.0	20
SM Energy Company	99.2	47.7	31.9	(6.9)	(16.5)	0.1	(1.0)	_	154.5	33
Southwestern Energy Company	1.0	0.2	-	(0.0)	(0.1)	-	(0.8)	-	0.2	53
Swift Energy Company	56.8	24.7	_	16.6	(5.6)	_	_	_	92.5	38
Talisman Energy Inc.	17.3	11.4	_	(1.5)	(2.5)	_	_	_	24.7	47
Ultra Petroleum Corporation	33.1	5.4	-	(19.1)	(1.3)	-	-	-	18.1	49
Vanguard Natural Resources, LLC	52.2	0.5	_	(2.5)	(3.4)	14.9	(0.5)	-	61.2	42
Whiting Petroleum Corporation	297.8	74.7	_	3.2	(25.9)	_	(8.3)	_	341.4	19
WPX Energy, Inc.	181.1	37.4	-	(15.5)	(14.8)	-	(1.3)	-	186.9	31
All companies	20,903.2	3,795.5	520.0	(95.7)	(1,640.2)	906.0	(865.9)	0.0	23,523.0	
Integrateds	7,490.7	410.0	200.0	(5.5)	(570.3)	220.0	(213.0)	_	7,531.9	
Large independents	9,057.8	2,003.4	218.6	81.8	(744.7)	212.0	(220.8)	_	10,608.1	
Independents	4,354.7	1,382.1	101.4	(172.0)	(325.2)	474.0	(432.1)	0.0	5,382.9	
			• • • • • • • • • • • • • • • • • • • •	••••		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	

⁽a) Includes condensate, natural gas liquids and synthetic crude.

⁽b) Includes transfers, reclassifications and other.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

US – gas reserves for the latest fiscal year

Bcf

		Extensions								
	Beginning	and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Anadarko Petroleum Corporation	8,365.0	418.0	-	635.0	(916.0)	26.0	(199.0)	-	8,329.0	6
Antero Resources LLC	3,931.0	1,242.0	_	198.0	(87.0)	_	(1,590.0)	-	3,694.0	16
Apache Corporation	2,976.2	365.9	_	(156.8)	(312.6)	313.9	(0.6)	-	3,185.9	18
Berry Petroleum Company	534.3	100.1	-	(205.8)	(19.8)	16.7	-	-	425.5	48
BHP Billiton Group	2,729.8	128.3	3.3	328.1	(458.4)	3,297.3	-	-	6,028.4	7
Bill Barrett Corporation	1,181.1	83.4	_	(212.7)	(101.5)	0.3	(211.5)	-	739.1	40
BP p.l.c.	13,552.0	225.0	885.0	(1,853.0)	(661.0)	232.0	(1,149.0)	-	11,231.0	2
Cabot Oil & Gas Corporation	2,909.9	869.0	_	207.0	(253.0)	_	(37.0)	0.1	3,696.0	15
Chesapeake Energy Corporation	15,515.0	3,317.0	-	(6,080.0)	(1,129.0)	14.0	(704.0)	-	10,933.0	3
Chevron Corporation	3,646.0	166.0	5.0	318.0	(440.0)	33.0	(6.0)	_	3,722.0	14
Cimarex Energy Co.	1,216.4	372.5	_	(211.4)	(118.5)	0.1	(7.2)	_	1,251.9	31
Concho Resources Inc.	889.3	189.4	_	(40.5)	(70.6)	157.3	(82.8)	_	1,042.1	33
ConocoPhillips	10,148.0	451.0	27.0	(483.0)	(685.0)	9.0	_	_	9,467.0	4
CONSOL Energy, Inc.	3,480.0	954.4	_	(284.6)	(156.3)	_	_	_	3,993.5	13
Continental Resources, Inc.	1,093.8	400.8	_	(174.7)	(63.9)	89.1	(4.0)	_	1,341.1	29
Denbury Resources Inc.	625.2	10.0	_	(54.7)	(10.7)	20.6	(108.8)	_	481.6	47
Devon Energy Corporation	9,507.0	1,124.0	_	(1,118.0)	(752.0)	2.0	(1.0)	_	8,762.0	5
Encana Corporation	6,511.0	338.0	-	(1,701.0)	(593.0)	8.0	(321.0)	-	4,242.0	10
Energen Corporation	957.4	61.2	-	(143.7)	(76.4)	10.7	-	-	809.1	39
EOG Resources, Inc.	6,045.8	477.8	_	(1,736.0)	(380.2)	14.8	(386.2)	-	4,036.0	11
EP Energy LLC (1)	2,701.0	144.0	_	(657.0)	(239.0)	_	(72.0)	-	1,877.0	26
EQT Corporation	5,347.4	1,654.2	-	(755.8)	(259.4)	-	(0.7)	-	5,985.8	8
EXCO Resources, Inc.	1,291.5	96.6	_	(266.5)	(182.7)	_	(2.8)	-	936.1	35
Exxon Mobil Corporation (1)	26,366.0	4,045.0	-	(2,839.0)	(1,524.0)	503.0	(181.0)	-	26,370.0	1
Forest Oil Corporation	1,396.5	93.6	_	(479.0)	(81.0)	_	(17.3)	-	912.8	36
Hess Corporation	360.0	76.0	4.0	10.0	(50.0)	-	-	-	400.0	49
Laredo Petroleum Holdings, Inc.	601.1	232.4	-	(260.7)	(39.1)	9.2	-	-	542.9	44
Linn Energy, LLC	1,675.0	407.0	_	(559.0)	(128.0)	1,176.0	_	_	2,571.0	22
Marathon Oil Corporation	872.0	224.0	_	(29.0)	(129.0)	105.0	_	_	1,043.0	32
Murphy Oil Corporation	98.4	107.2	_	16.5	(19.4)	7.0	_	-	209.7	51
National Fuel Gas Company	674.9	436.1	_	(56.5)	(66.1)	_	_	_	988.4	34
Newfield Exploration Company	2,329.0	181.0	_	(525.0)	(151.0)	1.0	(80.0)	_	1,755.0	27

Bcf

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Nexen Inc.	91.0	_	-	(20.0)	(15.0)	-	_	-	56.0	53
Noble Energy, Inc.	1,976.0	601.0	-	(266.0)	(160.0)	-	(164.0)	-	1,987.0	25
Occidental Petroleum Corporation	3,365.0	19.0	317.0	(748.0)	(300.0)	236.0	-	-	2,889.0	20
PDC Energy, Inc.	672.1	172.9	-	(289.4)	(32.4)	87.2	(6.4)	-	604.0	41
Petrohawk Energy Corporation ⁽⁹⁾	3,355.1	-	-	-	-	-	(3,355.1)	-	-	-
Petroleo Brasileiro, S.A. (Petrobras)	71.9	_	_	2.7	(6.9)	_	_	_	67.7	52
Pioneer Natural Resources Company	2,518.4	320.2	-	(485.2)	(157.4)	9.5	(8.0)	-	2,197.5	24
Plains Exploration & Production Company (1)	1,049.4	83.5	-	(591.4)	(98.5)	79.4	(11.3)	(0.2)	510.8	45
QEP Resources, Inc.	2,749.4	330.6	-	(240.6)	(249.3)	32.3	-	-	2,622.4	21
Quicksilver Resources Inc.	1,828.9	25.9	-	(910.4)	(75.7)	-	(20.6)	-	848.0	37
Range Resources Corporation	4,009.7	996.1	-	76.9	(216.6)	-	(73.4)	-	4,792.7	9
Repsol S.A.	14.0	33.0	-	-	(5.0)	-	(2.0)	-	40.0	54
Rosetta Resources Inc.	446.0	158.8	_	(10.1)	(33.9)	0.7	(52.1)	(0.0)	509.5	46
Royal Dutch Shell plc ⁽¹⁾	3,259.0	393.0	16.0	(1,045.0)	(404.0)	139.0	(6.0)	-	2,352.0	23
SandRidge Energy, Inc.	1,355.1	489.3	-	(538.2)	(93.5)	203.0	(0.5)	-	1,415.0	28
SM Energy Company	664.0	297.4	125.1	(123.3)	(120.0)	1.2	(11.0)	_	833.4	38
Southwestern Energy Company	5,887.2	918.6	-	(2,088.0)	(564.5)	-	(136.5)	-	4,016.8	12
Swift Energy Company	616.8	114.5	-	(97.3)	(36.4)	-	-	-	597.6	42
Talisman Energy Inc.	1,985.8	(550.0)	_	66.0	(176.8)	_	_	_	1,325.0	30
Ultra Petroleum Corporation	4,778.6	819.9	-	(2,382.7)	(249.3)	-	-	-	2,966.4	19
Vanguard Natural Resources, LLC	162.8	0.3	_	(9.5)	(19.7)	446.1	(33.5)	-	546.5	43
Whiting Petroleum Corporation	285.0	40.9	_	(61.8)	(25.8)	-	(14.0)	_	224.3	50
WPX Energy, Inc.	3,982.9	409.2	_	(404.8)	(407.0)	5.8	(217.0)		3,369.1	17
All companies	184,651.1	24,665.0	1,382.4	(29,337.0)	(13,601.1)	7,286.1	(9,273.6)	(0.1)	165,772.8	
Integrateds	47,268.9	4,938.0	910.0	(5,406.3)	(3,090.9)	907.0	(1,344.0)		44,182.7	
Large independents	79,886.2	10,434.5	347.3	(12,518.8)	(6,448.5)	4,035.4	(1,857.9)	_	73,878.2	
Independents	57,495.9	9,292.6	125.1	(11,411.8)	(4,061.7)	2,343.6	(6,071.7)	(0.1)	47,711.9	

⁽a) Includes transfers, reclassifications and other.
(1)-(8) See company footnotes on page 108.

US – performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

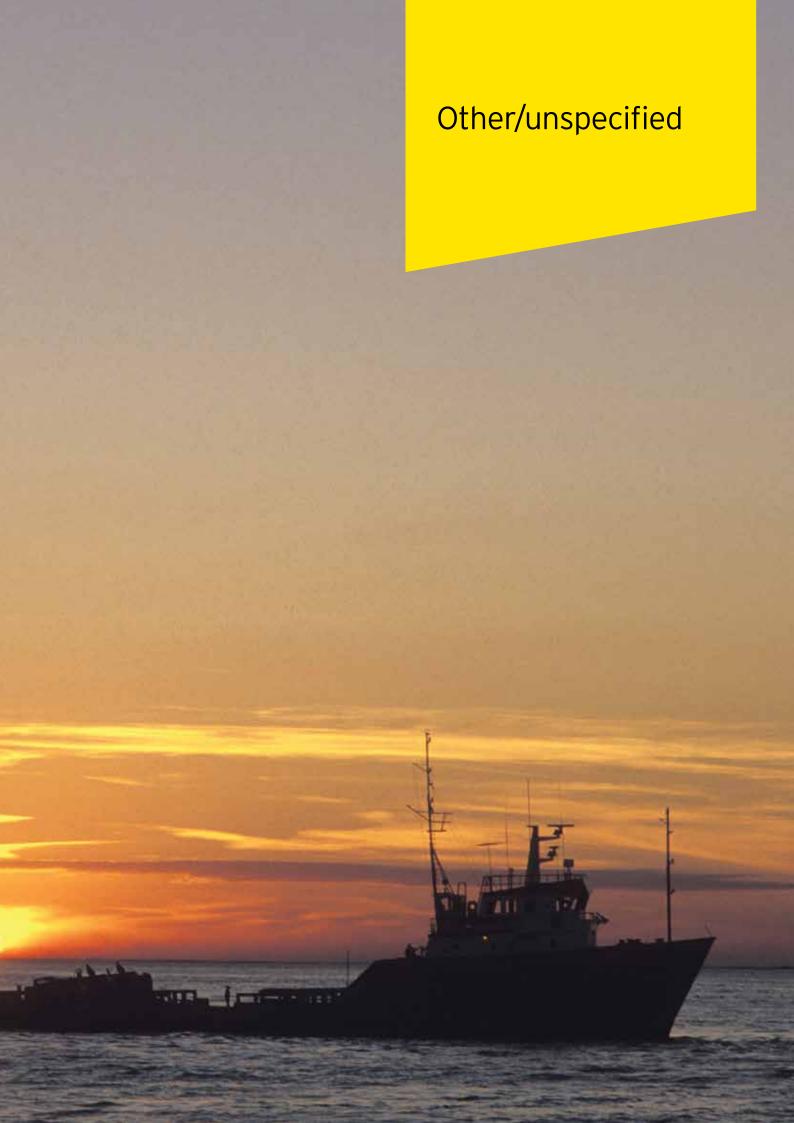
				C	Dil	Ga	as	Ì
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Anadarko Petroleum Corporation	\$ 4.00	\$ 12.49	\$ 12.45	163%	192%	122%	132%	\$ 11.47
Antero Resources LLC	4.23	2.83	2.88	18,718	27,355	1,287	1,920	10.67
Apache Corporation	16.05	40.60	27.66	341	201	184	58	14.42
Berry Petroleum Company	10.02	69.25	27.59	375	203	(205)	(280)	20.80
BHP Billiton Group	6.82	41.79	17.70	382	316	1,230	128	10.00
Bill Barrett Corporation	10.32	25.87	23.34	916	784	38	95	10.21
BP p.l.c.	19.46	112.14	72.03	(24)	34	(76)	(9)	16.31
Cabot Oil & Gas Corporation	7.79	6.12	6.12	452	480	402	448	6.55
Chesapeake Energy Corporation	23.02	21.13	21.16	776	888	16	172	6.25
Chevron Corporation	6.48	37.43	30.07	100	99	174	90	17.20
Cimarex Energy Co.	6.23	15.97	15.74	326	344	118	172	10.90
Concho Resources Inc.	15.62	22.81	19.89	406	291	501	328	11.92
ConocoPhillips	19.95	16.82	16.84	150	156	41	49	23.20
CONSOL Energy, Inc.	9.72	10.28	10.11	_	_	576	481	12.88
Continental Resources, Inc.	9.60	13.09	12.61	827	711	772	702	11.83
Denbury Resources Inc.	12.08	21.49	15.70	299	264	888	283	25.31
Devon Energy Corporation	9.29	17.78	17.71	244	272	113	127	8.32
Encana Corporation	5.22	17.55	16.98	700	783	25	96	11.46
Energen Corporation	8.52	29.10	21.11	485	297	60	36	12.44
EOG Resources, Inc.	1.07	20.37	20.26	541	563	(90)	(30)	12.39
EP Energy LLC ⁽¹⁾	7.05	11.93	11.84	982	1,024	54	84	8.10
EQT Corporation	20.02	7.63	7.83	299	291	424	418	2.45
EXCO Resources, Inc.	11.04	25.07	23.18	353	370	102	114	7.01
Exxon Mobil Corporation ⁽¹⁾	7.88	40.12	18.37	238	112	451	132	16.37
Forest Oil Corporation	5.78	118.72	112.94	209	259	(86)	(63)	7.25
Hess Corporation	24.49	34.73	34.23	302	289	168	158	19.80
∟aredo Petroleum Holdings, Inc.	5.31	13.68	13.51	1,042	1,025	386	376	8.65
inn Energy, LLC	10.25	26.27	12.70	647	165	843	65	13.69
Marathon Oil Corporation	14.14	34.96	27.49	435	279	159	105	20.49
Murphy Oil Corporation	9.01	17.49	17.10	601	573	315	303	20.81
National Fuel Gas Company	5.72	11.22	10.96	58	74	603	589	7.91
Newfield Exploration Company	12.00	44.56	41.66	378	414	(62)	(33)	12.29

					Production repl	acement rates		
				C	Dil	Ga	as	Ì
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Productio costs
Nexen Inc.	\$ -	\$ (666.78)	\$ (666.78)	13%	13%	(21)%	(21)%	\$ 14.01
Noble Energy, Inc.	6.54	29.68	21.77	156	205	201	124	10.56
Occidental Petroleum Corporation	16.98	66.06	35.54	154	88	111	(27)	18.69
PDC Energy, Inc.	5.34	18.40	12.61	1,081	856	95	(4)	9.58
Petrohawk Energy Corporation	-	-	-	_	-	-	-	-
Petroleo Brasileiro, S.A. Petrobras)	-	34.11	40.63	1,548	1,550	213	214	14.89
Pioneer Natural Resources Company	1.89	18.21	17.46	433	417	43	45	12.87
Plains Exploration & Production Company ⁽¹⁾	31.10	64.65	47.12	339	174	(25)	28	14.90
EP Resources, Inc.	13.57	16.23	15.82	917	711	114	110	8.31
uicksilver Resources Inc.	6.03	(9.05)	(12.13)	(209)	(208)	(186)	(228)	12.04
Range Resources Corporation	6.30	5.14	5.16	939	1,126	522	687	7.31
Repsol S.A.	-	120.05	120.05	33	36	281	296	3.89
Rosetta Resources Inc.	8.76	6.96	6.99	846	857	301	470	7.64
Royal Dutch Shell plc ⁽¹⁾	7.66	46.00	41.76	179	175	102	103	18.06
SandRidge Energy, Inc.	20.70	12.71	14.85	704	601	407	487	15.06
SM Energy Company	19.31	14.67	14.67	392	457	231	252	10.54
outhwestern Energy Company	7.85	16.32	16.32	(132)	91	125	141	5.52
Swift Energy Company	-	12.79	13.81	276	309	449	523	14.71
alisman Energy Inc.	66.43	21.73	22.75	897	855	296	292	7.44
Jitra Petroleum Corporation	_	(195.38)	(195.38)	(175)	(175)	(11)	(11)	6.67
anguard Natural Resources, LLC	12.34	88.28	12.92	785	55	1,422	(51)	16.61
Whiting Petroleum Corporation	38.91	25.93	26.01	280	294	(4)	22	17.37
VPX Energy, Inc.	14.30	20.36	19.72	423	369	43	57	13.24
All companies	\$ 10.52	\$ 23.11	\$ 19.58	249%	237%	128%	135%	\$ 13.76
ntegrateds	\$ 8.41	\$ 43.46	\$ 26.11	120%	108%	228%	87%	\$ 16.77
∟arge independents	11.16	20.81	18.85	271	276	55	125	13.28
ndependents	13.12	16.61	15.83	494	441	159	190	10.93

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.





Other/unspecified

Includes the 75 largest companies based on 2012 end-of-year oil and gas reserve estimates.

Other/unspecified - capital expenditures (millions)

	2008	2009	2010	2011	2012
Proved properties acquired	\$ 3,761.2	\$ 4,903.2	\$ 3,811.7	\$ 7,341.4	\$ 924.2
Unproved properties acquired	11,397.3	2,625.5	7,843.2	14,624.5	2,526.4
Exploration	7,944.3	8,151.1	8,652.5	8,468.1	8,542.3
Development	18,642.5	23,523.8	23,815.7	29,488.3	33,251.6
Other	10.2	17.1	102.5	46.3	144.0
Total	\$ 41,755.5	\$ 39,220.7	\$ 44,225.6	\$ 59,968.7	\$ 45,388.5

Other/unspecified - revenues and results of operations (millions)

	2008	2009	2010	2011	2012
Revenues	\$ 53,672.1	\$ 63,345.5	\$ 84,538.4	\$ 119,914.8	\$ 124,448.1
Production costs (a)	11,312.4	17,501.1	23,583.5	34,278.4	36,769.7
Exploration expense	5,964.9	5,746.5	5,671.3	5,678.7	7,179.1
DD&A (b)	9,503.9	11,779.5	12,693.3	13,849.6	18,411.2
Other expenses (c)	749.2	5,365.9	7,973.3	12,250.6	14,634.1
Pre-tax results of operations	26,141.6	22,952.5	34,617.1	53,857.5	47,454.1
Income taxes	14,997.9	13,502.0	16,465.3	24,031.8	23,296.6
Results of operations	\$ 11,143.7	\$ 9,450.5	\$ 18,151.8	\$ 29,825.8	\$ 24,157.5

⁽a) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

Other/unspecified - proved oil reserves (a) (million barrels)

	2008	2009	2010	2011	2012
Beginning of year	5,509.8	11,050.3	9,876.0	9,864.8	10,659.1
Additions:					
Extensions and discoveries	183.4	604.3	315.8	276.1	978.1
Improved recovery	14.0	49.2	55.0	76.2	32.6
Revisions	463.5	209.4	450.1	236.0	548.7
Production	(464.0)	(861.5)	(834.2)	(934.0)	(940.6)
Purchases	91.1	104.0	488.2	734.9	114.4
Sales	(197.0)	(334.7)	(32.6)	(367.0)	(50.6)
Other (b)	5,449.5	(945.0)	(453.5)	772.1	2.1
End of year	11,050.3	9,876.0	9,864.8	10,659.1	11,343.8

⁽a) Includes condensate, natural gas liquids, synthetic crude and bitumen.

⁽b) Includes impairments.

⁽c) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽b) Includes transfers, reclassifications and other. The 2012 figure includes 2.0 million barrels, which represents YPF's 2012 beginning-of-theyear oil reserves.

Other/unspecified - proved gas reserves (Bcf)

	2008	2009	2010	2011	2012
Beginning of year	37,546.5	77,876.8	82,706.1	74,960.6	80,100.7
Additions:					
Extensions and discoveries	560.7	6,003.7	2,632.2	5,977.0	4,435.0
Improved recovery	-	322.9	328.6	203.0	111.0
Revisions	3,051.5	3,311.4	1,936.3	1,375.7	1,614.1
Production	(2,648.1)	(4,255.3)	(4,449.3)	(4,920.8)	(5,348.3)
Purchases	3,089.2	1,737.0	142.0	4,291.0	791.8
Sales	(1,748.0)	(2,425.4)	(945.6)	(347.0)	(281.7)
Other (a)	38,025.0	135.0	(7,389.7)	(1,438.8)	41.0
End of year	77,876.8	82,706.1	74,960.6	80,100.7	81,463.6

⁽a) Includes transfers, reclassifications and other. The 2012 figure includes 41.0 Bcf, which represents YPF's beginning-of-year gas reserves.

Other/unspecified – proved reserve acquisition costs (PRAC), finding and development costs (FDC) and reserve replacement costs (RRC) (\$ per boe)

	2008	2009	2010	2011	2012	3-year	5-year
PRAC	\$ 6.21	\$ 12.46	\$ 7.45	\$ 5.06	\$ 3.75	\$ 5.47	\$ 6.47
FDC	30.08	13.90	24.69	28.48	17.19	22.65	21.40
RRC	22.34	13.70	20.58	18.19	16.02	18.07	17.72

Other/unspecified - oil production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	120%	73%	153%	102%	173%	142%	125%
Excluding purchases and sales	142	100	98	63	166	110	111

Other/unspecified - gas production replacement rates

	2008	2009	2010	2011	2012	3-year	5-year
All sources	187%	210%	92%	234%	125%	151%	167%
Excluding purchases and sales	136	226	110	154	115	126	147

Other/unspecified - production costs (\$ per boe)

2008	2009	2010	2011	2012	3-year	5-year
\$ 12.49	\$ 11.14	\$ 12.86	\$ 17.37	\$ 17.38	\$ 16.00	\$ 14.58

Other/unspecified - capital expenditures for the latest fiscal year

Willions												
		Proved roperties acquired		Unproved properties acquired	E	Exploration	D	evelopment		Other		otal capital expenditures
Anadarko Petroleum Corporation	\$	-	\$	15.0	\$	1,000.0	\$	472.0	\$	-	\$	1,487.0
Apache Corporation	***************************************	-	•••••	-	• • • • • • • • • • • • • • • • • • • •	96.0		2.0	•••••	_		98.0
BG Group plc	***************************************	_	•••••	61.0	•••••	1,003.0	• • • • • • • • • • • • • • • • • • • •	5,855.0	•••••	_	*********	6,919.0
BHP Billiton Group	***************************************	_	• • • • • • • • • •	_	• • • • • • • • •	331.0	• • • • • • • •	102.0	*******	_	********	433.0
BP p.l.c. ⁽¹⁾	***************************************	-	• • • • • • • • • •	439.0	• • • • • • • • •	38.0	• • • • • • • •	1,155.0	*******	_		1,632.0
Chevron Corporation (1)	••••••	-	••••••	57.0	• • • • • • • • •	362.0	• • • • • • • • •	1,504.0	*******	-		1,923.0
CNOOC Limited (1)	***************************************	-		-	• • • • • • • • • •	84.2		1,999.8	•••••	_		2,084.0
ConocoPhillips (1)	***************************************	-		_	• • • • • • • •	193.0		1,748.0	••••••	_		1,941.0
Eni SpA ⁽¹⁾	•••••••	2.6	• • • • • • • • • •	_	• • • • • • • •	124.7	• •• • • • • •	1,976.6	••••••	_		2,103.9
EOG Resources, Inc.	•••••	_	• • • • • • • • • •	(0.6)	• • • • • • • • •	54.0		135.6	•••••	12.0		200.9
Exxon Mobil Corporation (1)	***************************************	-		_	• • • • • • • •	_		651.0	••••••	_	*********	651.0
Hess Corporation	***************************************	-	• • • • • • • • • •	10.0	• • • • • • • •	335.0		971.0	*******	_		1,316.0
Husky Energy Inc.	••••••	-		_	• • • • • • • • •	25.0	• •• • • • • •	834.3	•••••			859.3
INPEX CORPORATION	***************************************	-	• • • • • • • • • •	_	• • • • • • • •	188.8		37.0	••••••	- -	*********	225.8
Marathon Oil Corporation	***************************************	-	• • • • • • • • • •	(13.0)	• • • • • • • •	136.0		5.0	••••••	_	*********	128.0
Mitsui & Co., Ltd. (1)	••••••	116.5		33.9	• • • • • • • •	157.5	• •• • • • • •	1,182.2	•••••	_		1,490.1
Murphy Oil Corporation	***************************************	-		10.2	• • • • • • • • •	97.6		1.6	•••••	_		109.4
Nexen Inc.	***************************************	-		_	• • • • • • • •	142.1		344.1	••••••	_		486.2
Noble Energy, Inc.	••••••	-	•••••	28.0	• • • • • • • • •	173.0	• • • • • • • • •	70.0	*******	-		271.0
OAO LUKOIL (1)	***************************************	97.0		37.0	• • • • • • • • •	160.0	• • • • • • • • •	2,111.0	•••••	_		2,405.0
OMV Aktiengesellschaft	***************************************	350.5		215.7	• • • • • • • •	178.9		198.7	••••••	99.0	*********	1,042.9
Petroleo Brasileiro, S.A. (Petrobras) (1)	***************************************	-	• • • • • • • • • •	_	• • • • • • • •	1.0		79.0	••••••	_		80.0
Royal Dutch Shell plc (1)	••••••	-		-	• • • • • • • • •	426.0	• • • • • • • • •	2,800.0	********	-		3,226.0
Sasol Limited	***************************************	-		1.6	• • • • • • • •	59.1		16.1	••••••	_	*********	76.8
Statoil ASA	***************************************	51.6	• • • • • • • • • •	1,100.0	• • • • • • • •	2,045.3		5,482.7	*******	_		8,679.5
Talisman Energy Inc.	••••••	_		66.0	• • • • • • • • •	351.0	• •• • • • • •	105.0	•••••	33.0		555.0
Total S.A. (1)	***************************************	306.1		465.5	• • • • • • • • •	697.0		3,353.9	••••••	_		4,822.5
WPX Energy, Inc.	***************************************	-		_	• • • • • • • •	31.0		35.0	••••••	_		66.0
YPF S.A. ⁽¹⁾	••••••	_		_	• • • • • • • • •	52.1	• •• • • • • •	23.9	•••••	- -	********	76.0
All companies	\$	924.2	\$	2,526.4	\$	8,542.3	\$	33,251.6	\$	144.0	\$	45,388.5
Integrateds	\$	924.2	\$	2,359.8	\$	4,636.7	\$	21,505.1	\$	99.0	\$	29,524.8
Large independents		-	• • • • • • • • • • • • • • • • • • • •	90.4	• • • • • • • • •	3,259.0	• ••• • • • •	10,426.4	••••••	12.0	•••••	13,787.7
Independents	***************************************	-		76.2	• • • • • • • •	646.7		1,320.1	••••••	33.0	*********	2,075.9

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Other/unspecified – revenues and results of operations for the latest fiscal year (a)

	Revenues	Production costs (b)	Exploration expense	DD&A (c)	Other (income) expense (d)	Income taxes	Results of operations
Anadarko Petroleum Corporation	\$ 3,396.0	\$ 829.0	\$ 462.0	\$ 390.0	\$ -	\$ 466.9	\$ 1,248.1
Apache Corporation	-	_	_	43.0	-	_	(43.0)
BG Group plc	8,493.0	1,232.0	598.0	1,837.0	1,489.0	1,642.0	1,695.0
BHP Billiton Group	1,580.0	387.0	304.0	218.0	-	534.0	137.0
BP p.l.c. ⁽¹⁾	6,533.0	5,054.0	32.0	866.0	(13.0)	348.0	246.0
Chevron Corporation ⁽¹⁾	5,509.0	2,405.0	145.0	793.0	177.0	609.0	1,380.0
CNOOC Limited (1)	1,390.7	849.7	265.3	589.4	6.2	12.5	(332.4)
ConocoPhillips (1)	3,553.0	1,597.0	231.0	896.0	92.0	131.0	606.0
Eni SpA ⁽¹⁾	2,865.2	700.9	210.9	1,732.3	42.4	111.9	66.9
EOG Resources, Inc.	23.2	13.0	19.4	18.0	-	(21.9)	(5.3)
Exxon Mobil Corporation (1)	25,710.0	7,142.0	_	676.0	-	8,234.0	9,658.0
Hess Corporation	1,784.0	431.0	489.0	484.0	-	156.0	224.0
Husky Energy Inc.	264.1	31.0	45.0	11.0	-	51.0	126.1
INPEX CORPORATION (7)	14,625.9	5,006.3	148.7	277.2	_	6,435.6	2,758.1
Marathon Oil Corporation	(32.0)	19.0	73.0	_	-	(55.0)	(69.0)
Mitsui & Co., Ltd. (1)	1,471.8	371.3	66.3	271.7	-	238.3	524.1
Murphy Oil Corporation	0.1	48.4	84.7	31.3	_	(40.1)	(124.2)
Nexen Inc.	703.3	134.1	28.0	371.1	51.0	95.1	24.0
Noble Energy, Inc.	384.0	105.0	210.0	75.0	-	74.0	(80.0)
OAO LUKOIL (1)	4,672.0	1,388.0	165.0	626.0	_	851.0	1,642.0
OMV Aktiengesellschaft	2,711.9	310.4	206.3	515.5	31.1	1,145.9	502.6
Petroleo Brasileiro, S.A. (Petrobras) (1)	186.0	154.0	56.0	80.0	42.0	(15.0)	(131.0)
Royal Dutch Shell plc ⁽¹⁾	14,374.0	6,455.0	546.0	1,686.0	300.0	2,133.0	3,254.0
Sasol Limited	166.1	29.6	52.1	21.4	_	22.6	40.3
Statoil ASA	7,510.8	859.4	1,925.0	2,664.0	1,976.5	(189.1)	275.0
Talisman Energy Inc.	623.0	94.0	303.0	425.0	-	67.0	(266.0)
Total S.A. ⁽¹⁾	15,731.7	1,027.5	439.8	2,757.2	10,439.8	245.6	821.8
WPX Energy, Inc.	137.0	72.0	11.0	27.0	-	10.0	17.0
YPF S.A. ⁽¹⁾	81.3	24.2	62.4	29.0	-	3.3	(37.6)
All companies	\$ 124,448.1	\$ 36,769.7	\$ 7,179.1	\$ 18,411.2	\$ 14,634.1	\$ 23,296.6	\$ 24,157.5
Integrateds	\$ 89,306.8	\$ 26,352.3	\$ 4,395.9	\$ 13,202.1	\$ 12,995.9	\$ 13,894.6	\$ 18,466.0
Large independents	33,413.9	10,037.9	2,311.5	4,343.6	1,587.2	9,219.1	5,914.6
Independents	1,727.5	379.5	471.7	865.5	51.0	183.0	(223.2)
•••••	***************************************	•••••	••••••		•••••	•••••	

⁽a) Amounts are determined from the results of operations table if this disclosure is provided; otherwise, amounts are determined from the income statement. Revenues determined from the income statement include oil and gas sales and hedging and derivative gains/losses.

⁽b) Includes production taxes, transportation costs and production-related general and administrative expenses for those companies that separately disclose these expenses.

⁽c) Includes impairments.

⁽d) Includes asset retirement obligations accretion for those companies that separately disclose this expense.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Other/unspecified – oil reserves for the latest fiscal year (a)

Million barrels

	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (b)	Ending	Ending rank
Anadarko Petroleum Corporation	248.0	_	-	51.0	(31.0)	-	-	_	268.0	11
Apache Corporation	-	-	-	_	-	-	-	-	-	-
BG Group plc	940.8	235.8	-	112.9	(42.5)	-	0.8	-	1,247.8	3
BHP Billiton Group	41.5	_	_	5.0	(9.6)	_	_	-	36.9	16
BP p.l.c. (1)	1,025.0	_	24.0	(16.0)	(109.0)	_	_	_	924.0	4
Chevron Corporation (1)	514.0	102.0	8.0	38.0	(43.0)	-	-	-	619.0	7
CNOOC Limited (1)	346.0	157.0	- -	13.0	(17.0)	-	-	-	499.0	9
ConocoPhillips (1)	256.0	_	-	- -	(9.0)	-	_	_	247.0	12
Eni SpA ⁽¹⁾	432.0	12.0	-	41.0	(33.0)	-	(32.0)	-	420.0	10
EOG Resources, Inc.	0.1	8.8	-	0.0	(0.0)	-	-	-	8.9	23
Exxon Mobil Corporation (1)	2,643.0	164.0	-	149.0	(223.0)	36.0	(4.0)	-	2,765.0	1
Hess Corporation	52.0	1.0	-	1.0	(6.0)	-	_	-	48.0	14
Husky Energy Inc.	7.0	8.0	-	3.0	(2.0)	-	_	-	16.0	19
INPEX CORPORATION	-	_	-	-	-	_	_	-	-	-
Marathon Oil Corporation	-	-	-	_	-	_	_	-	-	-
Mitsui & Co., Ltd. (1)	35.0	-	-	2.0	(4.0)	9.0	(3.0)	-	39.0	15
Murphy Oil Corporation	-	-	-	-	-	-	-	-	-	_
Nexen Inc.	36.0	3.0	-	(1.0)	(7.0)	-	-	-	31.0	17
Noble Energy, Inc.	19.0	1.0	_	_	(3.0)	-	(4.0)	-	13.0	20
OAO LUKOIL (1)	617.0	42.0	-	(2.0)	(46.0)	42.0	(2.0)	-	651.0	5
OMV Aktiengesellschaft	150.8	0.3	_	6.6	(20.2)	15.4	(2.4)	-	150.5	13
Petroleo Brasileiro, S.A. (Petrobras) ⁽¹⁾	29.6	-	-	(3.0)	(2.3)	-	-	-	24.3	18
Royal Dutch Shell plc (1)	613.0	2.0	-	82.0	(135.0)	-	(1.0)	-	561.0	8
Sasol Limited	3.7	-	0.6	1.1	(1.5)	-	-	0.1	4.0	24
Statoil ASA	499.0	166.0	_	33.0	(63.0)	1.0	(1.0)	-	635.0	6
Talisman Energy Inc.	15.5	(0.9)	-	0.2	(1.9)	-	-	-	12.9	21
Total S.A. (1)	2,123.0	74.0	_	32.0	(129.0)	11.0	(2.0)	_	2,109.0	2
WPX Energy, Inc.	12.1	2.1	_	(1.1)	(1.6)	_	_	-	11.5	22
YPF S.A. (1) (10)	_	_	-	1.0	(1.0)	_	_	2.0	2.0	25
All companies	10,659.1	978.1	32.6	548.7	(940.6)	114.4	(50.6)	2.1	11,343.8	
Integrateds	8,737.1	563.3	32.6	365.7	(816.0)	114.4	(47.4)	2.1	8,951.8	••••••••
Large independents	1,851.4	402.6	- -	181.9	(112.1)	_	(3.2)	_	2,320.6	• • • • • • • • • • • • • • • • • • • •
Independents	70.6	12.2	- -	1.1	(12.5)	-	-	-	71.4	•••••
							• • • • • • • • • • • • • • • • • • • •			

⁽a) Includes condensate, natural gas liquids and synthetic crude.

⁽b) Includes transfers, reclassifications and other.

(1)-(8) See company footnotes on page 108.

Other/unspecified – gas reserves for the latest fiscal year

Bcf

CI										
	Beginning	Extensions and discoveries	Improved recovery	Revisions	Production	Purchases	Sales	Other (a)	Ending	Ending rank
Anadarko Petroleum Corporation	-	-	-	-	-	-	-	-	-	-
Apache Corporation	-	-	_	-	-	- -	-	-	_	-
3G Group plc	11,918.0	959.0	-	(522.0)	(976.0)		(22.0)	-	11,357.0	3
BHP Billiton Group	735.6	-	-	29.1	(122.6)	- -		-	642.1	14
3P p.l.c. ⁽¹⁾	2,500.0	3.0	111.0	255.0	(204.0)	· · · · · · · · · · · · · · · · ·		-	2,665.0	9
Chevron Corporation (1)	2,867.0	46.0	-	(40.0)	(156.0)	- -	-	-	2,717.0	8
CNOOC Limited (1)	593.0	176.0	-	149.0	(68.0)	- -	-	-	850.0	13
ConocoPhillips ⁽¹⁾	3,368.0	330.0	-	(73.0)	(182.0)	-	(127.0)	-	3,316.0	7
Eni SpA ⁽¹⁾	5,288.0	798.0	-	1,301.0	(137.0)		(34.0)	-	7,216.0	4
EOG Resources, Inc.	18.5	0.3	_	1.6	(3.4)	- -	-	-	17.0	21
Exxon Mobil Corporation (1)	20,566.0	_	_	252.0	(1,148.0)	- -	-	-	19,670.0	1
Hess Corporation	1,500.0	171.0	-	42.0	(175.0)	· · · · · · · · · · · · · · · · ·		-	1,538.0	11
Husky Energy Inc.	108.0	271.0	-	-	_	- -	-	-	379.0	15
NPEX CORPORATION	162.0	-	_	59.0	(26.0)	-	-	-	195.0	17
Marathon Oil Corporation	-	-	_	-	-	-	-	-	_	-
Mitsui & Co., Ltd. (1)	1,043.0	143.0	-	(65.0)	(94.0)	30.0		-	1,057.0	12
Murphy Oil Corporation	-	-	-	-	_	- -	-	-	_	-
Nexen Inc.	-	-	-	-	-	- -	-	-	_	-
Noble Energy, Inc.	12.0	-	-	-	(1.0)	- -	(2.0)	-	9.0	22
DAO LUKOIL (1)	6,345.0	98.0	-	(143.0)	(274.0)	1.0	(17.0)	-	6,010.0	6
DMV Aktiengesellschaft	183.1	-	-	16.2	(27.8)	174.8	(9.7)	-	336.6	16
Petroleo Brasileiro, S.A. Petrobras) ⁽¹⁾	43.5	-	_	5.2	(0.9)	_	-	-	47.8	19
Royal Dutch Shell plc ⁽¹⁾	7,410.0	26.0	_	298.0	(579.0)	_	(21.0)	-	7,134.0	5
Sasol Limited	-	-	_	-	-	- -	_	-	_	-
Statoil ASA	1,560.0	352.0	_	(10.0)	(223.0)	18.0	(14.0)	-	1,683.0	10
Talisman Energy Inc.	-	-	-	-	-	- -	-	-	_	-
Total S.A. ⁽¹⁾	13,805.0	1,056.0	_	68.0	(931.0)	568.0	(35.0)	-	14,531.0	2
WPX Energy, Inc.	75.0	5.7	_	(18.0)	(8.6)	- -	-	-	54.1	18
YPF S.A. ^{(1) (10)}	_	_	_	9.0	(11.0)	- -	-	41.0	39.0	20
All companies	80,100.7	4,435.0	111.0	1,614.1	(5,348.3)	791.8	(281.7)	41.0	81,463.6	
Integrateds	63,110.6	2,693.0	111.0	1,988.4	(3,960.7)	791.8	(130.7)	41.0	64,644.4	
Large independents	16,807.1	1,465.3	_	(356.3)	(1,379.0)	- -	(151.0)	-	16,386.1	
Independents	183.0	276.7	_	(18.0)	(8.6)	- -		- -	433.1	

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.

Other/unspecified - performance measures (three-year averages) (a)

Costs in \$ per boe, production replacement rates in %

					Oil	G	as	İ
	PRAC	FDC	RRC	All sources	Excluding purchases and sales	All sources	Excluding purchases and sales	Production costs
Anadarko Petroleum Corporation	\$ -	\$ 42.45	\$ 42.45	121%	121%	-%	-%	\$ 28.95
Apache Corporation	-	-	_	_	_	_	_	_
BG Group plc	25.76	13.44	13.58	685	684	139	142	5.57
BHP Billiton Group	-	68.45	68.45	42	42	15	15	10.56
BP p.l.c. ⁽¹⁾	0.39	17.72	11.38	(19)	26	125	123	27.37
Chevron Corporation (1)	-	24.73	24.79	167	167	36	36	28.74
CNOOC Limited (1)	17.88	46.67	34.04	1,131	614	309	202	25.85
ConocoPhillips (1)	-	18.97	20.31	283	283	258	323	34.65
Eni SpA ⁽¹⁾	-	5.98	5.98	303	339	1,265	1,273	12.30
EOG Resources, Inc.	-	33.54	33.54	9,709	9,709	133	133	15.53
Exxon Mobil Corporation (1)	-	2.65	2.45	76	70	32	32	15.20
Hess Corporation	-	95.58	95.58	(63)	(31)	34	51	11.23
Husky Energy Inc.	-	25.29	25.29	214	229	_	_	12.20
INPEX CORPORATION	-	19.95	19.95	(67)	33	140	140	-
Marathon Oil Corporation	-	-	-	-	_	-	-	-
Mitsui & Co., Ltd. (1)	7.50	38.87	31.48	52	71	157	136	16.95
Murphy Oil Corporation	-	-	-	-	-	-	-	-
Nexen Inc.	-	628.00	628.00	12	12	-	-	18.32
Noble Energy, Inc.	-	(92.05)	(92.05)	(69)	(38)	(1,236)	(79)	21.00
OAO LUKOIL ⁽¹⁾	2.02	266.14	43.96	106	35	(29)	(27)	14.29
OMV Aktiengesellschaft	19.75	34.80	28.55	83	53	170	98	17.45
Petroleo Brasileiro, S.A. (Petrobras) ⁽¹⁾	-	(105.03)	(109.44)	(100)	(100)	(316)	(316)	39.68
Royal Dutch Shell plc ⁽¹⁾	_	20.14	19.84	72	76	49	83	23.87
Sasol Limited	-	54.62	54.62	82	82	-	-	15.10
Statoil ASA	10.82	47.35	39.87	254	225	285	257	13.87
Talisman Energy Inc.	_	(1,541.17)	(2,162.99)	(21)	(13)	_	_	31.04
Total S.A. ⁽¹⁾	3.04	48.74	11.23	195	3	273	84	3.24
WPX Energy, Inc.	_	45.69	45.69	87	87	(14)	(14)	19.66
YPF S.A. ⁽¹⁾	-	30.41	30.41	100	100	82	82	8.53
All companies	\$ 5.47	\$ 22.65	\$ 18.07	142%	110%	151%	126%	\$ 16.00
Integrated	\$ 3.76	\$ 22.78	\$ 16.24	107%	76%	151%	113%	\$ 16.69
Large independents	20.58	20.53	20.53	431	383	144	154	12.55
Independents	_	67.67	74.05	47	51	1,399	1,514	22.02

⁽a) Performance measures are based on less than three years of results for companies that have had operations for less than three years.

⁽¹⁾⁻⁽⁸⁾ See company footnotes on page 108.



Study companies and their areas of operations

Based on companies' disclosures in their annual reports for the most recent fiscal year.

					Courth and		
	Africa and Middle East	Asia-Pacific	Canada	Europe	South and Central America	US	Other/ unspecified
Anadarko Petroleum Corporation						✓	✓
Antero Resources LLC	•			•••••	•	✓	
Apache Corporation	✓	✓	✓	✓	✓	✓	✓
Berry Petroleum Company	••••••	•••••••••••••••	•••••	••••••	••••••••••••••	✓	
BG Group plc	••••••	••••••••••••	•••••	✓	••••••••••••••••	***************************************	✓
BHP Billiton Group	•••••	✓		•••••	•••••••••••••	✓	✓
Bill Barrett Corporation	•••••	••••••••••	•••••	•••••	•••••••••••	✓	••••••
BP p.l.c.	✓	✓	✓	✓	✓	✓	✓
Cabot Oil & Gas Corporation	•••••	•••••••••	•••••	••••••	••••••••••••	✓	••••••
Canadian Natural Resources Limited	✓	•••••••••	✓	✓	•••••••••••	***************************************	••••••
Chesapeake Energy Corporation	•••••	••••••••••	•••••	•••••	•••••••••••	✓	
Chevron Corporation	✓	✓	✓	✓	••••••••••	✓	✓
China Petroleum & Chemical Corporation (Sinopec)	•••••	✓		•••••	•••••••••••••••••••••••••••••••••••••••	•••••	••••••
Cimarex Energy Co.	••••••••	•••••••••••••••••	••••••	••••••	•••••••••••••••	✓	•••••••••••
CNOOC Limited	✓	✓		••••••	•••••••••••••••	***************************************	✓
Concho Resources Inc.	••••••	••••••••••••••••	•••••	••••••	•••••••••••••	✓	
ConocoPhillips	✓	✓	✓	✓	•••••••••••••••	✓	✓
CONSOL Energy, Inc.	•••••	•••••••••••	•••••	•••••	•••••••••••••••	✓	•••••
Continental Resources, Inc.	••••••	•••••••••••••••	••••••	••••••••	••••••••••••••	✓	•••••••
Denbury Resources Inc.	••••••	••••••••••••••	•••••	••••••	••••••••••••••••	✓	
Devon Energy Corporation	•••••	••••••••••••	✓	•••••	•••••••••••••••	✓	••••••
Ecopetrol S.A.	•••••	•••••••••••	***************************************	•••••	✓	***************************************	••••••
Encana Corporation	•••••	••••••••••	✓	•••••	••••••••••	✓	
Energen Corporation	•••••	•••••••••	•••••	••••••	•••••••••••••	✓	••••••
Eni SpA	✓	✓	•••••	✓	•••••••••••	***************************************	✓
EOG Resources, Inc.	•••••	•••••••••	✓	•••••	√	✓	✓
EP Energy LLC	✓	••••••••••	•••••	•••••	✓	✓	
EQT Corporation	•••••			•••••	••••••••••	✓	
EXCO Resources, Inc.	•••••	••••••••		•••••	•••••••••	✓	
Exxon Mobil Corporation	 ✓	✓	✓		•••••••••••	✓	✓
Forest Oil Corporation	 ✓	•••••••••		 ✓	••••••••••••	✓	
Hess Corporation	 ✓	•••••••••	•••••	✓	•••••••••••	✓	✓
Husky Energy Inc.	•••••	•••••••••••••••••••••••••••••••••••••••	✓	•••••	•••••••••••••••••		✓
NPEX CORPORATION	✓	✓	•••••	•••••	••••••••••••••••	•••••	✓
_aredo Petroleum Holdings, Inc.	•••••	••••••••••••	•••••	•••••	••••••••••••	✓	•••••
_inn Energy, LLC	•••••	•••••••••••	•••••	•••••	••••••••••	✓	••••••
Marathon Oil Corporation	✓	••••••••••	✓	✓	••••••••••••••	✓	✓
Mitsui & Co., Ltd.	✓		•••••	•••••	••••••••••••		✓
	•••••			•••••	• • • • • • • • • • • • • • • • • • • •		·······

	Africa and Middle East	Asia-Pacific	Canada	Europe	South and Central America	US	Other/ unspecified
Murphy Oil Corporation	→	✓	✓	✓		✓	✓
National Fuel Gas Company	•••••	•	•••••	••••••	••••••	✓	•••••••••••
Newfield Exploration Company	•••••	✓	***************************************	••••••	•••••••	✓	•••••••••••
Nexen Inc.	•••••	••••••••••	✓	✓	***************************************	✓	✓
Noble Energy, Inc.	✓	•	•••••	••••••	•••••••	✓	✓
OAO LUKOIL	•••••	✓	••••••	••••••	••••••	••••••	✓
OAO NOVATEK	••••••	✓	••••••	••••••••	***************************************	••••••	•••••••••••
Occidental Petroleum Corporation	✓	•	•••••	••••••	✓	✓	••••••••••
OJSC Rosneft Oil Company	•••••	✓	••••••	••••••	••••••	••••••	••••••••••
OMV Aktiengesellschaft	✓	•••••••••••••	••••••	✓	••••••	••••••	✓
PDC Energy, Inc.	•••••	•••••••••••	•••••	••••••	••••••	✓	•••••••••••
Pengrowth Energy Corporation	•••••	•••••••••••••••••••••••••••••••	✓	••••••	••••••••••	••••••	•••••••••
Penn West Petroleum Ltd.	•••••	••••••••••••	✓	••••••	••••••	••••••	•••••••••••
PetroChina Company Limited	•••••	✓	•••••	••••••••••	•••••••	••••••	••••••••••
Petroleo Brasileiro, S.A. (Petrobras)	✓	•	•••••	••••••	✓	✓	✓
Petroleos Mexicanos (PEMEX)	•••••	••••••••••••	••••••	••••••	✓	••••••	•••••••••••
Pioneer Natural Resources Company	✓	••••••••••	•••••	••••••	***************************************	✓	•••••••••••
Plains Exploration & Production Company	•	•		•	•	✓	•
QEP Resources, Inc.	•••••	••••••••	•••••	••••••	••••••	✓	•••••••••••
Quicksilver Resources Inc.			✓		•	✓	
Range Resources Corporation		•	•••••		•••••	✓	••••
Repsol S.A.	✓	✓	***************************************	✓	✓	✓	•••••••••••
Rosetta Resources Inc.	•••••	•••••••••••	•••••	••••••	••••••	✓	***************************************
Royal Dutch Shell plc	✓	✓	✓	✓	✓	✓	✓
SandRidge Energy, Inc.	•••••	••••••••••••	••••••	••••••	••••••	✓	•••••••••••
Sasol Limited	✓	••••••••••	✓	•••••	***************************************	••••••	✓
SM Energy Company	•••••	•••••••••••	•••••	••••••	•••••••	✓	•••••••••••
Southwestern Energy Company	•		✓		•••••••••	✓	•••••••••••
Statoil ASA	✓	•••••••••••••	•••••	✓	••••••••••••••••		✓
Swift Energy Company	•••••	•••••••••••••••••••••••••••••••••••••••	•••••	••••••	••••••••••••	✓	•••••••
Talisman Energy Inc.	•••••	✓	✓	✓	✓	✓	✓
Total S.A.	✓	✓	•••••	✓	•••••••••••	••••••	✓
Ultra Petroleum Corporation	•	•••••••••••••	•••••	•••••••••	•••••••••••	✓	•••••••••
Vanguard Natural Resources, LLC	•••••	•••••••••••••	•••••	••••••	••••••••••	✓	•••••••••
Whiting Petroleum Corporation	•••••	•••••••••••••••••••••••••••••••••••••••	•••••	••••••	••••••	✓	••••••••••
WPX Energy, Inc.	•	•••••••••••	•••••	••••••	•••••••	✓	✓
YPF S.A.	••••••	••••••••••••	•••••	••••••	✓		✓

Peer groups

Integrateds

BP p.l.c.

Chevron Corporation

China Petroleum & Chemical Corporation

(Sinopec)

Ecopetrol S.A.

Eni SpA

Exxon Mobil Corporation

Hess Corporation

Mitsui & Co., Ltd.

OAO LUKOIL

OAO NOVATEK

OJSC Rosneft Oil Company

OMV Aktiengesellschaft

PetroChina Company Limited

Petroleo Brasileiro, S.A. (Petrobras)

Petroleos Mexicanos (PEMEX)

Repsol S.A.

Royal Dutch Shell plc

Sasol Limited

Statoil ASA

Total S.A.

YPF S.A.

Large independents

Anadarko Petroleum Corporation

Apache Corporation

BG Group plc

BHP Billiton Group

Canadian Natural Resources Limited

Chesapeake Energy Corporation

CNOOC Limited

ConocoPhillips

Devon Energy Corporation

Encana Corporation

EOG Resources, Inc.

EQT Corporation

INPEX CORPORATION

Marathon Oil Corporation

Noble Energy, Inc.

Occidental Petroleum Corporation

Pioneer Natural Resources Company

Range Resources Corporation

Independents

Antero Resources LLC

Berry Petroleum Company

Bill Barrett Corporation

Cabot Oil & Gas Corporation

Cimarex Energy Co.

Concho Resources Inc.

CONSOL Energy, Inc.

Continental Resources, Inc.

Denbury Resources Inc.

Energen Corporation

EP Energy LLC

EXCO Resources, Inc.

Forest Oil Corporation

Husky Energy Inc.

Laredo Petroleum Holdings, Inc.

Linn Energy, LLC

Murphy Oil Corporation

National Fuel Gas Company

Newfield Exploration Company

Nexen Inc.

PDC Energy, Inc.

Pengrowth Energy Corporation

Penn West Petroleum Ltd.

Plains Exploration & Production Company

QEP Resources, Inc.

Quicksilver Resources Inc.

Rosetta Resources Inc.

SandRidge Energy, Inc.

SM Energy Company

Southwestern Energy Company

Swift Energy Company

Talisman Energy Inc.

Ultra Petroleum Corporation

Vanguard Natural Resources, LLC

Whiting Petroleum Corporation

WPX Energy, Inc.

Company footnotes

- (1) Amounts presented for BP, Chevron, CNOOC, ConocoPhillips, Eni, EP Energy, ExxonMobil, LUKOIL, Mitsui, Petrobras, Plains Exploration & Production, Royal Dutch Shell, Total and YPF include investments accounted for by the equity method.
- (2) All of Rosneft's oil and gas reserves are included as oil reserves as the company discloses its reserves on a boe basis only.
- (3) Revenues and results of operations amounts presented for BP do not reflect any costs relating to the Gulf of Mexico oil spill.
- (4) Revenues and results of operations amounts presented for Anadarko Petroleum exclude Deepwater Horizon settlement and related costs that were included by the company in its results of operations disclosure.
- (5) Production taxes for Total are included in other (income) expense as the company does not separately disclose this expense.
- (6) BP's and Marathon's results of operations disclosures contain impairments combined with other items. Impairments that were specifically identified in the footnotes have been presented as DD&A, while the remainder is presented consistent with the company's disclosure.
- (7) NPEX discloses its capital expenditures and oil and gas reserves by region, while its revenues and results of operations are disclosed for worldwide only. The company's capital expenditures and oil and gas reserves are presented by region, while its revenues and results of operations are presented in worldwide and other/unspecified only. INPEX is not included in the production costs per boe calculations for Africa and Middle East, Asia-Pacific and other/unspecified.
- (8) Amounts presented for NOVATEK's oil and gas reserves include extensions and discoveries that were reported by the company as acquisitions and described as being related to the first time reserve estimation for certain fields acquired in late 2011 and additionally explored in 2012.
- (9) As described on page 1, amounts equal to Petrohawk Energy's beginning-of-year oil and gas reserves are included as sales to reflect the BHP Billiton transaction
- (10) As described on page 1, YPF's beginning-ofyear oil and gas reserves are presented in the other component of the reserves tables.



EY's Global Oil & Gas Center contacts EY | Assurance | Tax | Transactions | Advisory

Dale Nijoka

Global Oil & Gas Leader +1 713 750 1551 dale.nijoka@ey.com

Alexandre Oliveira

Global Oil & Gas Deputy Leader, **Emerging Markets** +971 4 7010750 alexandre.oliveira@ae.ey.com

Allister Wilson

Global Oil & Gas Assurance Leader London +44 20 7951 1443 awilson@uk.ey.com

Andy Brogan

Global Oil & Gas Transactions Leader London +44 20 7951 7009 abrogan@uk.ey.com

Alexey Kondrashov

Global Oil & Gas Tax Leader Moscow +7 495 662 9394 alexey.kondrashov@ru.ey.com

Axel Preiss

Global Oil & Gas Advisory Leader Frankfurt +49 619 699 96 17589 axel.preiss@de.ey.com

Derek Leith

Aberdeen +44 1224 653246 dleith@uk.ev.com

Thorsten Ploss

Bahrain +97 3 5354 553 thorsten.ploss@bh.ey.com

KC Yau

Beijing +86 10 5815 3339 kc.yau@cn.ey.com

Mark Hayward

Brisbane +61 7 3011 3385 mark.hayward@au.ey.com

Barry Munro

Calgary +1 403 206 5017 barry.g.munro@ca.ey.com

Tabrez Khan

Cape Town +020 7951 467 tabrez.khan@za.ey.com

Deborah Byers

Houston +1 713 750 8138 deborah.byers@ey.com

Jane Fitton

Johannesburg +27 11 77 2 3736 jane.fitton@za.ev.com

Claire Lawrie

Lagos +234 703 909 7963 claire.lawrie@ng.ey.com

Andy Brogan

London +44 20 7951 7009 abrogan@uk.ey.com

Alexey Loza

Moscow +7 495 641 2945 alexey.loza@ru.ey.com

Russell Curtin

Perth +61 8 9429 2424 russell.curtin@au.ey.com

Carlos Assis

Rio de Janeiro +55 21 3263 7212 carlos.assis@br.ey.com

Sanjeev Gupta

Singapore +65 6309 8688 sanjeev-a.gupta@sg.ey.com

John Avaldsnes

Stavanger +47 51 70 66 00 john.avaldsnes@no.ey.com

About EY

EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders. In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

EY refers to the global organization, and may refer to one or more, of the member organizations of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. For more information about our organization, please visit ey.com.

How EY's Global Oil & Gas Center can help your business

The oil and gas sector is constantly changing. Increasingly uncertain energy policies, geopolitical complexities, cost management and climate change all present significant challenges. EY's Global Oil & Gas Center supports a global network of more than 9,600 oil and gas professionals with extensive experience in providing assurance, tax, transaction and advisory services across the upstream, midstream, downstream and oilfield service subsectors. The Center works to anticipate market trends, execute the mobility of our global resources and articulate points of view on relevant key sector issues. With our deep sector focus, we can help your organization drive down costs and compete more effectively.

© 2013 EYGM Limited. All Rights Reserved.

EYG No. DW0300 CSG No. 1308-1125974 ED None

This material has been prepared for general informational purposes only and is not intended to be relied upon as accounting, tax, or other professional advice. Please refer to your advisors for

ey.com/oilandgas

Connect with us

in, Visit us on LinkedIn

Follow us on Twitter @EY_OilGas

See us on YouTube