

Appendix D

Historical Reserves Statistics

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EIA maintains a data archive of all published proved reserves volumes at the State and National level. Appendix D provides a series of tables of the proved reserves and production of crude oil, natural gas, and natural gas liquids for the U.S. and the lower 48 States for the years 1977 through 2006.

All historical statistics included have previously been published in the annual reports of 1977 through 2005 of the EIA publication *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report*, DOE EIA-0216.{1-29}

Liquid volumes are in million barrels of 42 U.S. gallons. Gas volumes are in billion cubic feet (Bcf), at 14.73 psia and 60° Fahrenheit. NA appears in this appendix wherever data are not available or are withheld to avoid disclosure of data which may be proprietary. An asterisk (*) marks those estimates associated with sampling errors (95 percent confidence interval) greater than 20 percent of the value estimated.

An electronic version of the Data Archive (in Microsoft Excel™) format is available for downloading at the following link:

http://www.eia.doe.gov/oil_gas/natural_gas/data_publications/crude_oil_natural_gas_reserves/cr.html

The Data Archive is listed in the “Special Files” section of the destination site.

Table D1. U.S. Proved Reserves of Crude Oil, 1976–2006
(Million Barrels of 42 U.S. Gallons)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|----------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1976 | – | – | – | – | – | – | – | – | – | ^e 33,502 | – |
| 1977 | ^f -40 | 386 | 346 | NA | 496 | 168 | 130 | 794 | 2,862 | 31,780 | -1,722 |
| 1978 | 366 | 1,390 | 1,756 | NA | 444 | 267 | 116 | 827 | 3,008 | 31,355 | -425 |
| 1979 | 337 | 437 | 774 | NA | 424 | 108 | 104 | 636 | 2,955 | 29,810 | -1,545 |
| 1980 | 219 | 1,889 | 2,108 | NA | 572 | 143 | 147 | 862 | 2,975 | 29,805 | -5 |
| 1981 | 138 | 1,271 | 1,409 | NA | 750 | 254 | 157 | 1,161 | 2,949 | 29,426 | -379 |
| 1982 | -83 | 434 | 351 | NA | 634 | 204 | 193 | 1,031 | 2,950 | 27,858 | -1,568 |
| 1983 | 462 | 1,511 | 1,973 | NA | 629 | 105 | 190 | 924 | 3,020 | 27,735 | -123 |
| 1984 | 159 | 2,445 | 2,604 | NA | 744 | 242 | 158 | 1,144 | 3,037 | 28,446 | 711 |
| 1985 | 429 | 1,598 | 2,027 | NA | 742 | 84 | 169 | 995 | 3,052 | 28,416 | -30 |
| 1986 | 57 | 855 | 912 | NA | 405 | 48 | 81 | 534 | 2,973 | 26,889 | -1,527 |
| 1987 | 233 | 2,316 | 2,549 | NA | 484 | 96 | 111 | 691 | 2,873 | 27,256 | 367 |
| 1988 | 364 | 1,463 | 1,827 | NA | 355 | 71 | 127 | 553 | 2,811 | 26,825 | -431 |
| 1989 | 213 | 1,333 | 1,546 | NA | 514 | 112 | 90 | 716 | 2,586 | 26,501 | -324 |
| 1990 | 86 | 1,483 | 1,569 | NA | 456 | 98 | 135 | 689 | 2,505 | 26,254 | -247 |
| 1991 | 163 | 223 | 386 | NA | 365 | 97 | 92 | 554 | 2,512 | 24,682 | -1,572 |
| 1992 | 290 | 735 | 1,025 | NA | 391 | 8 | 85 | 484 | 2,446 | 23,745 | -937 |
| 1993 | 271 | 495 | 766 | NA | 356 | 319 | 110 | 785 | 2,339 | 22,957 | -788 |
| 1994 | 189 | 1,007 | 1,196 | NA | 397 | 64 | 111 | 572 | 2,268 | 22,457 | -500 |
| 1995 | 122 | 1,028 | 1,150 | NA | 500 | 114 | 343 | 957 | 2,213 | 22,351 | -106 |
| 1996 | 175 | 737 | 912 | NA | 543 | 243 | 141 | 927 | 2,173 | 22,017 | -334 |
| 1997 | 520 | 914 | 1,434 | NA | 477 | 637 | 119 | 1,233 | 2,138 | 22,546 | 529 |
| 1998 | -638 | 518 | -120 | NA | 327 | 152 | 120 | 599 | 1,991 | 21,034 | -1,512 |
| 1999 | 139 | 1,819 | 1,958 | NA | 259 | 321 | 145 | 725 | 1,952 | 21,765 | 731 |
| 2000 | 143 | 746 | 889 | -20 | 766 | 276 | 249 | 1,291 | 1,880 | 22,045 | 280 |
| 2001 | -4 | -158 | -162 | -87 | 866 | 1,407 | 292 | 2,565 | 1,915 | 22,446 | 401 |
| 2002 | 416 | 720 | 1,136 | 24 | 492 | 300 | 154 | 946 | 1,875 | 22,677 | 231 |
| 2003 | 163 | 94 | 257 | -398 | 426 | 705 | 101 | 1,232 | 1,877 | 21,891 | -786 |
| 2004 | 74 | 420 | 494 | 23 | 617 | 33 | 132 | 782 | 1,819 | 21,371 | -520 |
| 2005 | 221 | 569 | 790 | 278 | 805 | 205 | 41 | 1,051 | 1,733 | 21,757 | 386 |
| 2006 | 94 | 2 | 96 | 194 | 504 | 30 | 43 | 577 | 1,652 | 20,972 | -785 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

^fConsists only of operator reported corrections and no other adjustments.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves". They may differ from the official Energy Information Administration production data for crude oil contained in the *Petroleum Supply Annual*, DOE/EIA-0340.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1977 through 2006 annual reports, DOE/EIA-0216.{1-29}

Table D2. U.S. Lower 48 Proved Reserves of Crude Oil, 1976–2006
(Million Barrels of 42 U.S. Gallons)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|----------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1976 | – | – | – | – | – | – | – | – | – | ^e 24,928 | – |
| 1977 | ^f -40 | 383 | 343 | NA | 496 | 168 | 130 | 794 | 2,698 | 23,367 | -1,561 |
| 1978 | -48 | 509 | 461 | NA | 444 | 142 | 116 | 702 | 2,559 | 21,971 | -1,396 |
| 1979 | 342 | 429 | 771 | NA | 424 | 108 | 104 | 636 | 2,443 | 20,935 | -1,036 |
| 1980 | 210 | 1,524 | 1,734 | NA | 479 | 143 | 147 | 769 | 2,384 | 21,054 | 119 |
| 1981 | 276 | 1,009 | 1,285 | NA | 750 | 254 | 157 | 1,161 | 2,357 | 21,143 | 89 |
| 1982 | -82 | 684 | 602 | NA | 633 | 204 | 193 | 1,030 | 2,323 | 20,452 | -691 |
| 1983 | 462 | 949 | 1,411 | NA | 625 | 105 | 190 | 920 | 2,355 | 20,428 | -24 |
| 1984 | 160 | 1,587 | 1,747 | NA | 742 | 207 | 158 | 1,107 | 2,399 | 20,883 | 455 |
| 1985 | 361 | 1,667 | 2,028 | NA | 581 | 84 | 169 | 834 | 2,385 | 21,360 | 477 |
| 1986 | 70 | 359 | 429 | NA | 399 | 48 | 81 | 528 | 2,303 | 20,014 | -1,346 |
| 1987 | 233 | 1,353 | 1,586 | NA | 294 | 38 | 101 | 433 | 2,155 | 19,878 | -136 |
| 1988 | 359 | 1,181 | 1,540 | NA | 340 | 43 | 127 | 510 | 2,062 | 19,866 | -12 |
| 1989 | 214 | 1,113 | 1,327 | NA | 342 | 108 | 87 | 537 | 1,903 | 19,827 | -39 |
| 1990 | 151 | 1,001 | 1,152 | NA | 371 | 98 | 135 | 604 | 1,853 | 19,730 | -97 |
| 1991 | 164 | 50 | 214 | NA | 327 | 97 | 87 | 511 | 1,856 | 18,599 | -1,131 |
| 1992 | 297 | 277 | 574 | NA | 279 | 8 | 84 | 371 | 1,821 | 17,723 | -876 |
| 1993 | 250 | 198 | 448 | NA | 343 | 319 | 109 | 771 | 1,760 | 17,182 | -541 |
| 1994 | 187 | 527 | 714 | NA | 316 | 64 | 111 | 491 | 1,697 | 16,690 | -492 |
| 1995 | 117 | 756 | 873 | NA | 434 | 114 | 333 | 881 | 1,673 | 16,771 | 81 |
| 1996 | 172 | 728 | 900 | NA | 479 | 115 | 141 | 735 | 1,663 | 16,743 | -28 |
| 1997 | 514 | 695 | 1,209 | NA | 459 | 520 | 119 | 1,098 | 1,665 | 17,385 | 642 |
| 1998 | -639 | 315 | -324 | NA | 299 | 56 | 120 | 475 | 1,554 | 15,982 | -1,403 |
| 1999 | 138 | 1,669 | 1,807 | NA | 253 | 242 | 145 | 640 | 1,564 | 16,865 | 883 |
| 2000 | 144 | 622 | 766 | 132 | 540 | 276 | 157 | 973 | 1,552 | 17,184 | 319 |
| 2001 | -5 | -71 | -76 | -87 | 716 | 1,126 | 292 | 2,134 | 1,560 | 17,595 | 411 |
| 2002 | 414 | 567 | 981 | 24 | 467 | 300 | 146 | 913 | 1,514 | 17,999 | 404 |
| 2003 | 162 | 5 | 167 | -398 | 391 | 705 | 101 | 1,197 | 1,520 | 17,445 | -554 |
| 2004 | 75 | 373 | 448 | 23 | 506 | 33 | 74 | 613 | 1,485 | 17,044 | -401 |
| 2005 | 223 | 467 | 690 | 278 | 749 | 205 | 41 | 995 | 1,421 | 17,586 | 542 |
| 2006 | 93 | 153 | 246 | 194 | 404 | 30 | 43 | 477 | 1,410 | 17,093 | -493 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

^fConsists only of operator reported corrections and no other adjustments.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves". They may differ from the official Energy Information Administration production data for crude oil contained in the *Petroleum Supply Annual*, DOE/EIA-0340.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1977 through 2006 annual reports, DOE/EIA-0216.{1-29}

Table D3. U.S. Proved Reserves of Dry Natural Gas, 1976–2006
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|----------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1976 | – | – | – | – | – | – | – | – | – | ^e 213,278 | – |
| 1977 | ^f –20 | -1,605 | -1,625 | NA | 8,129 | 3,173 | 3,301 | 14,603 | 18,843 | 207,413 | -5,865 |
| 1978 | 2,429 | -1,025 | 1,404 | NA | 9,582 | 3,860 | 4,579 | 18,021 | 18,805 | 208,033 | 620 |
| 1979 | -2,264 | -219 | -2,483 | NA | 8,950 | 3,188 | 2,566 | 14,704 | 19,257 | 200,997 | -7,036 |
| 1980 | 1,201 | 1,049 | 2,250 | NA | 9,357 | 2,539 | 2,577 | 14,473 | 18,699 | 199,021 | -1,976 |
| 1981 | 1,627 | 2,599 | 4,226 | NA | 10,491 | 3,731 | 2,998 | 17,220 | 18,737 | 201,730 | 2,709 |
| 1982 | 2,378 | 455 | 2,833 | NA | 8,349 | 2,687 | 3,419 | 14,455 | 17,506 | 201,512 | -218 |
| 1983 | 3,090 | -15 | 3,075 | NA | 6,909 | 1,574 | 2,965 | 11,448 | 15,788 | 200,247 | -1,265 |
| 1984 | -2,241 | 3,129 | 888 | NA | 8,299 | 2,536 | 2,686 | 13,521 | 17,193 | 197,463 | -2,784 |
| 1985 | -1,708 | 2,471 | 763 | NA | 7,169 | 999 | 2,960 | 11,128 | 15,985 | 193,369 | -4,094 |
| 1986 | 1,320 | 3,572 | 4,892 | NA | 6,065 | 1,099 | 1,771 | 8,935 | 15,610 | 191,586 | -1,783 |
| 1987 | 1,268 | 3,296 | 4,564 | NA | 4,587 | 1,089 | 1,499 | 7,175 | 16,114 | 187,211 | -4,375 |
| 1988 | 2,193 | -15,060 | -12,867 | NA | 6,803 | 1,638 | 1,909 | 10,350 | 16,670 | 168,024 | -19,187 |
| 1989 | 3,013 | 3,030 | 6,043 | NA | 6,339 | 1,450 | 2,243 | 10,032 | 16,983 | 167,116 | -908 |
| 1990 | 1,557 | 5,538 | 7,095 | NA | 7,952 | 2,004 | 2,412 | 12,368 | 17,233 | 169,346 | 2,230 |
| 1991 | 2,960 | 4,416 | 7,376 | NA | 5,090 | 848 | 1,604 | 7,542 | 17,202 | 167,062 | -2,284 |
| 1992 | 2,235 | 6,093 | 8,328 | NA | 4,675 | 649 | 1,724 | 7,048 | 17,423 | 165,015 | -2,047 |
| 1993 | 972 | 5,349 | 6,321 | NA | 6,103 | 899 | 1,866 | 8,868 | 17,789 | 162,415 | -2,600 |
| 1994 | 1,945 | 5,484 | 7,429 | NA | 6,941 | 1,894 | 3,480 | 12,315 | 18,322 | 163,837 | 1,422 |
| 1995 | 580 | 7,734 | 8,314 | NA | 6,843 | 1,666 | 2,452 | 10,961 | 17,966 | 165,146 | 1,309 |
| 1996 | 3,785 | 4,086 | 7,871 | NA | 7,757 | 1,451 | 3,110 | 12,318 | 18,861 | 166,474 | 1,328 |
| 1997 | -590 | 4,902 | 4,312 | NA | 10,585 | 2,681 | 2,382 | 15,648 | 19,211 | 167,223 | 749 |
| 1998 | -1,635 | 5,740 | 4,105 | NA | 8,197 | 1,074 | 2,162 | 11,433 | 18,720 | 164,041 | -3,182 |
| 1999 | 982 | 10,504 | 11,486 | NA | 7,043 | 1,568 | 2,196 | 10,807 | 18,928 | 167,406 | 3,365 |
| 2000 | -891 | 6,962 | 6,071 | 4,031 | 14,787 | 1,983 | 2,368 | 19,138 | 19,219 | 177,427 | 10,021 |
| 2001 | 2,742 | -2,318 | 424 | 2,630 | 16,380 | 3,578 | 2,800 | 22,758 | 19,779 | 183,460 | 6,033 |
| 2002 | 3,727 | 937 | 4,664 | 380 | 14,769 | 1,332 | 1,694 | 17,795 | 19,353 | 186,946 | 3,486 |
| 2003 | 2,841 | -1,638 | 1,203 | -10,092 | 16,454 | 1,222 | 1,610 | 19,286 | 19,425 | 189,044 | 2,098 |
| 2004 | -114 | 744 | 630 | 1,844 | 18,198 | 759 | 1,206 | 20,163 | 19,168 | 192,513 | 3,469 |
| 2005 | 1,887 | 2,699 | 4,856 | 2,544 | 21,050 | 942 | 1,208 | 23,200 | 18,458 | 204,385 | 11,872 |
| 2006 | 743 | -1,836 | -1,093 | 2,996 | 21,778 | 409 | 1,155 | 23,342 | 18,545 | 211,085 | 6,700 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

^fConsists only of operator reported corrections and no other adjustments.

^gAn unusually large revision decrease to North Slope dry natural gas reserves was made in 1988. It recognizes some 24.6 trillion cubic feet of downward revisions reported during the last few years by operators because of economic and market conditions. EIA in previous years carried these reserves in the proved category.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production". They may differ from the official Energy Information Administration production data for natural gas contained in the *Natural Gas Annual*, DOE/EIA-0131.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1977 through 2006 annual reports, DOE/EIA-0216.{1-29}

Table D4. U.S. Lower 48 Proved Reserves of Dry Natural Gas, 1976–2006
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|----------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1976 | – | – | – | – | – | – | – | – | – | ^e 180,838 | – |
| 1977 | ^f -21 | -1,540 | -1,561 | NA | 8,056 | 3,173 | 3,301 | 14,530 | 18,637 | 175,170 | -5,668 |
| 1978 | 2,446 | -758 | 1,688 | NA | 9,582 | 3,860 | 4,277 | 17,719 | 18,589 | 175,988 | 818 |
| 1979 | -2,202 | -707 | -2,909 | NA | 8,949 | 3,173 | 2,566 | 14,688 | 19,029 | 168,738 | -7,250 |
| 1980 | 1,163 | 62 | 1,225 | NA | 9,046 | 2,539 | 2,577 | 14,162 | 18,486 | 165,639 | -3,099 |
| 1981 | 1,840 | 2,506 | 4,346 | NA | 10,485 | 3,731 | 2,994 | 17,210 | 18,502 | 168,693 | 3,054 |
| 1982 | 2,367 | -1,748 | 619 | NA | 8,349 | 2,687 | 3,419 | 14,455 | 17,245 | 166,522 | -2,171 |
| 1983 | 3,089 | 421 | 3,510 | NA | 6,908 | 1,574 | 2,965 | 11,447 | 15,515 | 165,964 | -558 |
| 1984 | -2,245 | 2,617 | 372 | NA | 8,298 | 2,536 | 2,686 | 13,520 | 16,869 | 162,987 | -2,977 |
| 1985 | -1,349 | 2,500 | 1,151 | NA | 7,098 | 999 | 2,960 | 11,057 | 15,673 | 159,522 | -3,465 |
| 1986 | 1,618 | 4,144 | 5,762 | NA | 6,064 | 1,099 | 1,761 | 8,924 | 15,286 | 158,922 | -600 |
| 1987 | 1,066 | 2,645 | 3,711 | NA | 4,542 | 1,077 | 1,499 | 7,118 | 15,765 | 153,986 | -4,936 |
| 1988 | 2,017 | 8,895 | 10,912 | NA | 6,771 | 1,638 | 1,909 | 10,318 | 16,270 | 158,946 | 4,960 |
| 1989 | 2,997 | 2,939 | 5,936 | NA | 6,184 | 1,450 | 2,243 | 9,877 | 16,582 | 158,177 | -769 |
| 1990 | 1,877 | 4,572 | 6,449 | NA | 7,898 | 2,004 | 2,412 | 12,314 | 16,894 | 160,046 | 1,869 |
| 1991 | 2,967 | 3,860 | 6,827 | NA | 5,074 | 848 | 1,563 | 7,485 | 16,849 | 157,509 | -2,537 |
| 1992 | 1,946 | 5,937 | 7,883 | NA | 4,621 | 649 | 1,724 | 6,994 | 17,009 | 155,377 | -2,132 |
| 1993 | 915 | 4,779 | 5,694 | NA | 6,076 | 899 | 1,858 | 8,833 | 17,396 | 152,508 | -2,869 |
| 1994 | 1,896 | 5,289 | 7,185 | NA | 6,936 | 1,894 | 3,480 | 12,310 | 17,899 | 154,104 | 1,596 |
| 1995 | 973 | 7,223 | 8,196 | NA | 6,801 | 1,666 | 2,452 | 10,919 | 17,570 | 155,649 | 1,545 |
| 1996 | 3,640 | 4,055 | 7,695 | NA | 7,751 | 1,390 | 3,110 | 12,251 | 18,415 | 157,180 | 1,531 |
| 1997 | -609 | 3,192 | 2,583 | NA | 10,571 | 2,681 | 2,382 | 15,634 | 18,736 | 156,661 | -519 |
| 1998 | -1,463 | 5,696 | 4,233 | NA | 8,195 | 1,070 | 2,162 | 11,427 | 18,207 | 154,114 | -2,547 |
| 1999 | 849 | 10,452 | 11,301 | NA | 7,041 | 1,512 | 2,173 | 10,726 | 18,469 | 157,672 | 3,558 |
| 2000 | -914 | 8,755 | 7,841 | 4,214 | 12,838 | 1,983 | 2,355 | 17,176 | 18,713 | 168,190 | 10,518 |
| 2001 | 2,753 | -2,216 | 537 | 2,630 | 16,321 | 3,504 | 2,796 | 21,621 | 19,318 | 174,660 | 6,470 |
| 2002 | 3,692 | 914 | 4,606 | 380 | 14,707 | 1,332 | 1,686 | 17,725 | 18,893 | 178,478 | 3,818 |
| 2003 | 2,840 | -1,830 | 1,010 | 1,034 | 16,373 | 1,202 | 1,609 | 19,184 | 18,947 | 180,759 | 2,281 |
| 2004 | -113 | 319 | 206 | 1,844 | 18,057 | 759 | 1,171 | 19,987 | 18,690 | 184,106 | 3,347 |
| 2005 | 1,889 | 2,560 | 4,449 | 2,542 | 20,988 | 920 | 1,198 | 23,106 | 17,989 | 196,214 | 12,108 |
| 2006 | 789 | -4,313 | -3,524 | 2,996 | 21,729 | 409 | 1,153 | 23,291 | 18,137 | 200,840 | 4,626 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

^fConsists only of operator reported corrections and no other adjustments.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production". They may differ from the official Energy Information Administration production data for natural gas contained in the *Natural Gas Annual*, DOE/EIA-0131.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1977 through 2006 annual reports, DOE/EIA-0216.{1-29}

Table D5. U.S. Proved Reserves of Wet Natural Gas, After Lease Separation, 1978–2006
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|----------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1978 | – | – | – | – | – | – | – | – | – | ^e 208,033 | – |
| 1979 | 5,356 | -223 | 5,133 | NA | 9,332 | 3,279 | 2,637 | 15,248 | 20,079 | 208,335 | 302 |
| 1980 | 1,253 | 1,137 | 2,390 | NA | 9,757 | 2,629 | 2,648 | 15,034 | 19,500 | 206,259 | -2,076 |
| 1981 | 2,057 | 2,743 | 4,800 | NA | 10,979 | 3,870 | 3,080 | 17,929 | 19,554 | 209,434 | 3,175 |
| 1982 | 2,598 | 455 | 3,053 | NA | 8,754 | 2,785 | 3,520 | 15,059 | 18,292 | 209,254 | -180 |
| 1983 | 4,363 | 57 | 4,420 | NA | 7,263 | 1,628 | 3,071 | 11,962 | 16,590 | 209,046 | -208 |
| 1984 | -2,413 | 3,333 | 920 | NA | 8,688 | 2,584 | 2,778 | 14,050 | 18,032 | 205,984 | -3,062 |
| 1985 | -1,299 | 2,687 | 1,388 | NA | 7,535 | 1,040 | 3,053 | 11,628 | 16,798 | 202,202 | -3,782 |
| 1986 | 2,137 | 3,835 | 5,972 | NA | 6,359 | 1,122 | 1,855 | 9,336 | 16,401 | 201,109 | -1,093 |
| 1987 | 1,199 | 3,522 | 4,721 | NA | 4,818 | 1,128 | 1,556 | 7,502 | 16,904 | 196,428 | -4,681 |
| 1988 | 2,180 | -14,931 | ^f -12,751 | NA | 7,132 | 1,677 | 1,979 | 10,788 | 17,466 | ^f 176,999 | -19,429 |
| 1989 | 2,537 | 3,220 | 5,757 | NA | 6,623 | 1,488 | 2,313 | 10,424 | 17,752 | 175,428 | -1,571 |
| 1990 | 1,494 | 5,837 | 7,331 | NA | 8,287 | 2,041 | 2,492 | 12,820 | 18,003 | 177,576 | 2,148 |
| 1991 | 3,368 | 4,569 | 7,937 | NA | 5,298 | 871 | 1,655 | 7,824 | 18,012 | 175,325 | -2,251 |
| 1992 | 2,543 | 6,374 | 8,917 | NA | 4,895 | 668 | 1,773 | 7,336 | 18,269 | 173,309 | -2,016 |
| 1993 | 1,048 | 5,541 | 6,589 | NA | 6,376 | 927 | 1,930 | 9,233 | 18,641 | 170,490 | -2,819 |
| 1994 | 1,977 | 5,836 | 7,813 | NA | 7,299 | 1,941 | 3,606 | 12,846 | 19,210 | 171,939 | 1,449 |
| 1995 | 889 | 8,091 | 8,980 | NA | 7,204 | 1,709 | 2,518 | 11,431 | 18,874 | 173,476 | 1,537 |
| 1996 | 4,288 | 4,277 | 8,565 | NA | 8,189 | 1,491 | 3,209 | 12,889 | 19,783 | 175,147 | 1,671 |
| 1997 | -730 | 5,057 | 4,327 | NA | 11,179 | 2,747 | 2,455 | 16,381 | 20,134 | 175,721 | 574 |
| 1998 | -1,624 | 5,982 | 4,358 | NA | 8,630 | 1,116 | 2,240 | 11,986 | 19,622 | 172,433 | -3,288 |
| 1999 | 1,102 | 11,182 | 12,284 | NA | 7,401 | 1,622 | 2,265 | 11,288 | 19,856 | 176,159 | 3,726 |
| 2000 | -1,295 | 7,456 | 6,161 | 4,286 | 15,550 | 2,055 | 2,463 | 20,068 | 20,164 | 186,510 | 10,351 |
| 2001 | 1,849 | -2,438 | -589 | 2,715 | 17,183 | 3,668 | 2,898 | 23,749 | 20,642 | 191,743 | 5,233 |
| 2002 | 4,004 | 1,038 | 5,042 | 428 | 15,468 | 1,374 | 1,752 | 18,594 | 20,248 | 195,561 | 3,816 |
| 2003 | 2,323 | -1,715 | 608 | 1,107 | 17,195 | 1,252 | 1,653 | 20,100 | 20,231 | 197,145 | 1,584 |
| 2004 | 170 | 825 | 995 | 1,975 | 19,068 | 790 | 1,244 | 21,102 | 20,017 | 201,200 | 4,055 |
| 2005 | 1,693 | 2,715 | 4,408 | 2,674 | 22,069 | 973 | 1,243 | 24,285 | 19,259 | 213,308 | 12,108 |
| 2006 | 946 | -2,099 | -1,153 | 3,178 | 22,834 | 425 | 1,197 | 24,456 | 19,373 | 220,416 | 7,108 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

^fAn unusually large revision decrease to North Slope wet natural gas reserves was made in 1988. It recognizes some 25 trillion cubic feet of downward revisions reported during the last few years by operators because of economic and market conditions. EIA in previous years carried these reserves in the proved category.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves". They may differ from the official Energy Information Administration production data for natural gas contained in the *Natural Gas Annual*, DOE/EIA-013.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1979 through 2006 annual reports, DOE/EIA-0216.{3-29}

Table D6. U.S. Lower 48 Proved Reserves of Wet Natural Gas, After Lease Separation, 1978–2006
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|----------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1978 | – | – | – | – | – | – | – | – | – | ^e 175,988 | – |
| 1979 | 5,402 | -711 | 4,691 | NA | 9,331 | 3,264 | 2,637 | 15,232 | 19,851 | 176,060 | 72 |
| 1980 | 1,218 | 150 | 1,368 | NA | 9,446 | 2,629 | 2,648 | 14,723 | 19,287 | 172,864 | -3,196 |
| 1981 | 2,270 | 2,650 | 4,920 | NA | 10,973 | 3,870 | 3,076 | 17,919 | 19,318 | 176,385 | 3,521 |
| 1982 | 2,586 | -1,748 | 838 | NA | 8,754 | 2,785 | 3,520 | 15,059 | 18,030 | 174,252 | -2,133 |
| 1983 | 4,366 | 493 | 4,859 | NA | 7,262 | 1,628 | 3,071 | 11,961 | 16,317 | 174,755 | 503 |
| 1984 | -2,409 | 2,821 | 412 | NA | 8,687 | 2,584 | 2,778 | 14,049 | 17,708 | 171,508 | -3,247 |
| 1985 | -1,313 | 2,713 | 1,400 | NA | 7,463 | 1,040 | 3,053 | 11,556 | 16,485 | 167,979 | -3,529 |
| 1986 | 2,114 | 4,410 | 6,524 | NA | 6,357 | 1,122 | 1,845 | 9,324 | 16,073 | 167,754 | -225 |
| 1987 | 1,200 | 2,868 | 4,068 | NA | 4,772 | 1,116 | 1,556 | 7,444 | 16,553 | 162,713 | -5,041 |
| 1988 | 2,025 | 9,390 | 11,415 | NA | 7,099 | 1,677 | 1,979 | 10,755 | 17,063 | 167,820 | 5,107 |
| 1989 | 2,545 | 3,128 | 5,673 | NA | 6,467 | 1,485 | 2,313 | 10,265 | 17,349 | 166,409 | -1,411 |
| 1990 | 1,811 | 4,859 | 6,670 | NA | 8,232 | 2,041 | 2,492 | 12,765 | 17,661 | 168,183 | 1,774 |
| 1991 | 3,367 | 4,013 | 7,380 | NA | 5,281 | 871 | 1,614 | 7,766 | 17,657 | 165,672 | -2,511 |
| 1992 | 2,265 | 6,217 | 8,482 | NA | 4,840 | 668 | 1,773 | 7,281 | 17,851 | 163,584 | -2,088 |
| 1993 | 996 | 4,971 | 5,967 | NA | 6,349 | 927 | 1,922 | 9,198 | 18,245 | 160,504 | -3,080 |
| 1994 | 1,924 | 5,613 | 7,537 | NA | 7,294 | 1,941 | 3,606 | 12,841 | 18,756 | 162,126 | 1,622 |
| 1995 | 1,304 | 7,525 | 8,829 | NA | 7,162 | 1,709 | 2,518 | 11,389 | 18,443 | 163,901 | 1,775 |
| 1996 | 4,219 | 4,246 | 8,465 | NA | 8,183 | 1,430 | 3,209 | 12,822 | 19,337 | 165,851 | 1,950 |
| 1997 | -835 | 3,322 | 2,487 | NA | 11,165 | 2,747 | 2,455 | 16,367 | 19,657 | 165,048 | -803 |
| 1998 | -1,461 | 5,937 | 4,476 | NA | 8,628 | 1,112 | 2,240 | 11,980 | 19,104 | 162,400 | -2,648 |
| 1999 | 958 | 11,130 | 12,088 | NA | 7,399 | 1,566 | 2,242 | 11,207 | 19,391 | 166,304 | 3,904 |
| 2000 | -1,294 | 9,273 | 7,979 | 4,471 | 13,574 | 2,055 | 2,450 | 18,079 | 19,654 | 177,179 | 10,875 |
| 2001 | 1,849 | -2,336 | -487 | 2,715 | 17,123 | 3,593 | 2,894 | 23,610 | 20,175 | 182,842 | 5,663 |
| 2002 | 4,004 | 1,038 | 5,042 | 428 | 15,468 | 1,374 | 1,752 | 18,594 | 20,248 | 19,5561 | 3,816 |
| 2003 | 2,324 | -1,909 | 415 | 1,107 | 17,114 | 1,232 | 1,652 | 19,998 | 19,751 | 188,797 | 1,769 |
| 2004 | 170 | 395 | 565 | 1,975 | 18,927 | 790 | 1,209 | 20,926 | 19,536 | 192,727 | 3,930 |
| 2005 | 1,694 | 2,575 | 4,269 | 2,672 | 22,007 | 951 | 1,233 | 24,191 | 18,788 | 205,071 | 12,344 |
| 2006 | 996 | -4,603 | -3,607 | 3,178 | 22,784 | 425 | 1,195 | 24,404 | 18,963 | 210,083 | 5,012 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves". They may differ from the official Energy Information Administration production data for natural gas contained in the *Natural Gas Annual*, DOE/EIA-0131.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1979 through 2006 annual reports, DOE/EIA-0216.{3-29}

Table D7. U.S. Proved Reserves of Natural Gas Liquids, 1978–2006
(Million Barrels of 42 U.S. Gallons)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|-------------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1978 | – | – | – | – | – | – | – | – | – | ^e 6,772 | – |
| 1979 | ^f 64 | -49 | 15 | NA | 364 | 94 | 97 | 555 | 727 | 6,615 | -157 |
| 1980 | 153 | 104 | 257 | NA | 418 | 90 | 79 | 587 | 731 | 6,728 | 113 |
| 1981 | 231 | 86 | 317 | NA | 542 | 131 | 91 | 764 | 741 | 7,068 | 340 |
| 1982 | 299 | -21 | 278 | NA | 375 | 112 | 109 | 596 | 721 | 7,221 | 153 |
| 1983 | 849 | 66 | 915 | NA | 321 | 70 | 99 | 490 | 725 | 7,901 | 680 |
| 1984 | -123 | 142 | 19 | NA | 348 | 55 | 96 | 499 | 776 | 7,643 | -258 |
| 1985 | 426 | 162 | 588 | NA | 337 | 44 | 85 | 466 | 753 | 7,944 | 301 |
| 1986 | 367 | 223 | 590 | NA | 263 | 34 | 72 | 369 | 738 | 8,165 | 221 |
| 1987 | 231 | 191 | 422 | NA | 213 | 39 | 55 | 307 | 747 | 8,147 | -18 |
| 1988 | 11 | 453 | 464 | NA | 268 | 41 | 72 | 381 | 754 | 8,238 | 91 |
| 1989 | -277 | 123 | -154 | NA | 259 | 83 | 74 | 416 | 731 | 7,769 | -469 |
| 1990 | -83 | 221 | 138 | NA | 299 | 39 | 73 | 411 | 732 | 7,586 | -183 |
| 1991 | 233 | 130 | 363 | NA | 189 | 25 | 55 | 269 | 754 | 7,464 | -122 |
| 1992 | 225 | 261 | 486 | NA | 190 | 20 | 64 | 274 | 773 | 7,451 | -13 |
| 1993 | 102 | 124 | 226 | NA | 245 | 24 | 64 | 333 | 788 | 7,222 | -229 |
| 1994 | 43 | 197 | 240 | NA | 314 | 54 | 131 | 499 | 791 | 7,170 | -52 |
| 1995 | 192 | 277 | 469 | NA | 432 | 52 | 67 | 551 | 791 | 7,399 | 229 |
| 1996 | 474 | 175 | 649 | NA | 451 | 65 | 109 | 625 | 850 | 7,823 | 424 |
| 1997 | -14 | 289 | 275 | NA | 535 | 114 | 90 | 739 | 864 | 7,973 | 150 |
| 1998 | -361 | 208 | -153 | NA | 383 | 66 | 88 | 537 | 833 | 7,524 | -449 |
| 1999 | 99 | 727 | 826 | NA | 313 | 51 | 88 | 452 | 896 | 7,906 | 382 |
| 2000 | -83 | 459 | 376 | 145 | 645 | 92 | 102 | 839 | 921 | 8,345 | 439 |
| 2001 | -429 | -132 | -561 | 102 | 717 | 138 | 142 | 997 | 890 | 7,993 | -352 |
| 2002 | 62 | 31 | 93 | 54 | 612 | 48 | 78 | 738 | 884 | 7,994 | 1 |
| 2003 | -338 | -161 | -499 | 30 | 629 | 35 | 72 | 736 | 802 | 7,459 | -535 |
| 2004 | 273 | 97 | 370 | 112 | 734 | 26 | 54 | 814 | 827 | 7,928 | 469 |
| 2005 | -89 | 21 | -68 | 156 | 863 | 32 | 42 | 937 | 788 | 8,165 | 237 |
| 2006 | 173 | -165 | 8 | 117 | 924 | 16 | 53 | 993 | 811 | 8,472 | 307 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

^fConsists only of operator reported corrections and no other adjustments.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production". They may differ from the official Energy Information Administration production data for natural gas liquids contained in the *Natural Gas Annual*, DOE/EIA-0131.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1979 through 2006 annual reports, DOE/EIA-0216.{3-29}

Table D8. U.S. Lower 48 Proved Reserves of Natural Gas Liquids, 1978–2006
(Million Barrels of 42 U.S. Gallons)

| Year | Adjustments ^a (1) | Net Revisions (2) | Revisions ^b and Adjustments (3) | Net of Sales and Acquisitions (4) | Extensions (5) | New Field Discoveries (6) | New Reservoir Discoveries in Old Fields (7) | Total ^c Discoveries (8) | Estimated Production (9) | Proved ^d Reserves 12/31 (10) | Change from Prior Year (11) |
|------|---------------------------------|----------------------|---|--|-------------------|---------------------------------|--|--|--------------------------------|--|--------------------------------------|
| 1978 | – | – | – | – | – | – | – | – | – | ^e 6,749 | – |
| 1979 | ^f 63 | -49 | 14 | NA | 364 | 94 | 97 | 555 | 726 | 6,592 | -157 |
| 1980 | 165 | 104 | 269 | NA | 418 | 90 | 79 | 587 | 731 | 6,717 | 125 |
| 1981 | 233 | 85 | 318 | NA | 542 | 131 | 91 | 764 | 741 | 7,058 | 341 |
| 1982 | 300 | -21 | 279 | NA | 375 | 112 | 109 | 596 | 721 | 7,212 | 154 |
| 1983 | 850 | 66 | 916 | NA | 321 | 70 | 99 | 490 | 725 | 7,893 | 681 |
| 1984 | -115 | 123 | 8 | NA | 348 | 55 | 96 | 499 | 776 | 7,624 | -269 |
| 1985 | 70 | 152 | 222 | NA | 334 | 44 | 85 | 463 | 748 | 7,561 | -63 |
| 1986 | 363 | 226 | 589 | NA | 263 | 34 | 72 | 369 | 735 | 7,784 | 223 |
| 1987 | 179 | 191 | 370 | NA | 212 | 39 | 55 | 306 | 731 | 7,729 | -55 |
| 1988 | 10 | 452 | 462 | NA | 267 | 41 | 72 | 380 | 734 | 7,837 | 108 |
| 1989 | -273 | 123 | -150 | NA | 259 | 83 | 74 | 416 | 714 | 7,389 | -448 |
| 1990 | -60 | 221 | 161 | NA | 298 | 39 | 73 | 410 | 714 | 7,246 | -143 |
| 1991 | 183 | 138 | 321 | NA | 187 | 25 | 55 | 267 | 730 | 7,104 | -142 |
| 1992 | 225 | 254 | 479 | NA | 183 | 20 | 64 | 267 | 746 | 7,104 | 0 |
| 1993 | 101 | 124 | 225 | NA | 245 | 24 | 64 | 333 | 761 | 6,901 | -203 |
| 1994 | 38 | 196 | 234 | NA | 314 | 54 | 131 | 499 | 765 | 6,869 | -32 |
| 1995 | 204 | 230 | 434 | NA | 432 | 52 | 67 | 551 | 761 | 7,093 | 224 |
| 1996 | 417 | 178 | 595 | NA | 450 | 56 | 109 | 615 | 817 | 7,486 | 393 |
| 1997 | -107 | 55 | -52 | NA | 533 | 114 | 90 | 737 | 829 | 7,342 | -144 |
| 1998 | -74 | 208 | 134 | NA | 383 | 66 | 88 | 537 | 809 | 7,204 | -138 |
| 1999 | 102 | 617 | 719 | NA | 304 | 50 | 86 | 440 | 848 | 7,515 | 311 |
| 2000 | 9 | 459 | 468 | 145 | 645 | 92 | 102 | 839 | 899 | 8,068 | 553 |
| 2001 | -429 | -280 | -709 | -102 | 717 | 138 | 142 | 997 | 870 | 7,588 | -480 |
| 2002 | 42 | 31 | 73 | 54 | 612 | 48 | 78 | 738 | 864 | 7,589 | 1 |
| 2003 | -338 | -161 | -499 | 30 | 629 | 35 | 72 | 736 | 784 | 7,072 | -517 |
| 2004 | 273 | 97 | 370 | 112 | 734 | 26 | 54 | 814 | 809 | 7,559 | 487 |
| 2005 | -89 | 21 | -68 | 156 | 863 | 32 | 42 | 937 | 771 | 7,813 | 254 |
| 2006 | 173 | -165 | 8 | 117 | 924 | 16 | 53 | 993 | 797 | 8,134 | 321 |

^aIncludes operator reported corrections for the years 1978 through 1981. After 1981 operators included corrections with revisions.

^bRevisions and adjustments = Col. 1 + Col. 2.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

^eBased on following year data only.

^fConsists only of operator reported corrections and no other adjustments.

– = Not applicable.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production". They may differ from the official Energy Information Administration production data for natural gas liquids contained in the *Natural Gas Annual*, DOE/EIA-0131.

Source: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1979 through 2006 annual reports, DOE/EIA-0216.{3-29}

Table D9. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2006

| Year | Gulf of Mexico | | | Depth | | Deepwater Percentage |
|---|----------------|------------------------|-------|-------------------------|----------------------|----------------------|
| | Total | Louisiana ^a | Texas | Greater than 200 meters | Less than 200 meters | |
| Crude Oil (million barrels of 42 U.S. gallons) | | | | | | |
| Production | | | | | | |
| 1992 | 267 | 253 | 14 | 46 | 221 | 17.2 |
| 1993 | 266 | 252 | 14 | 46 | 220 | 17.3 |
| 1994 | 265 | 245 | 20 | 53 | 212 | 20.1 |
| 1995 | 292 | 262 | 30 | 77 | 215 | 26.4 |
| 1996 | 303 | 265 | 38 | 90 | 213 | 29.7 |
| 1997 | 342 | 298 | 44 | 123 | 219 | 36.0 |
| 1998 | 372 | 336 | 36 | 171 | 201 | 46.0 |
| 1999 | 421 | 376 | 45 | 228 | 193 | 54.2 |
| 2000 | 419 | 381 | 38 | 234 | 185 | 55.8 |
| 2001 | 459 | 417 | 42 | 286 | 173 | 62.2 |
| 2002 | 451 | 395 | 57 | 288 | 163 | 63.9 |
| 2003 | 485 | 426 | 59 | 336 | 149 | 69.3 |
| 2004 | 467 | 404 | 63 | 310 | 157 | 66.4 |
| 2005 | 409 | 342 | 67 | 305 | 104 | 75.0 |
| 2006 | 406 | 348 | 58 | 318 | 87 | 78.5 |
| Reserves | | | | | | |
| 1992 | 1,835 | 1,643 | 192 | 557 | 1,278 | 30.4 |
| 1993 | 2,072 | 1,880 | 192 | 824 | 1,248 | 39.8 |
| 1994 | 2,127 | 1,922 | 205 | 877 | 1,250 | 41.2 |
| 1995 | 2,518 | 2,269 | 249 | 1,241 | 1,277 | 49.3 |
| 1996 | 2,567 | 2,357 | 210 | 1,311 | 1,256 | 51.1 |
| 1997 | 2,949 | 2,587 | 362 | 1,682 | 1,267 | 57.0 |
| 1998 | 2,793 | 2,483 | 310 | 1,611 | 1,182 | 57.8 |
| 1999 | 2,744 | 2,442 | 302 | 1,626 | 1,118 | 59.3 |
| 2000 | 3,174 | 2,751 | 423 | 2,021 | 1,153 | 63.7 |
| 2001 | 4,288 | 3,877 | 411 | 3,208 | 1,080 | 74.8 |
| 2002 | 4,444 | 4,088 | 356 | 3,372 | 1,072 | 75.9 |
| 2003 | 4,554 | 4,251 | 303 | 3,627 | 927 | 79.6 |
| 2004 | 4,144 | 3,919 | 225 | 3,280 | 864 | 79.2 |
| 2005 | 4,042 | 3,851 | 191 | 3,272 | 770 | 81.0 |
| 2006 | 3,655 | 3,500 | 155 | 2,983 | 672 | 81.6 |

**Table D9. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2006
(continued)**

| Year | Gulf of Mexico | | | Depth | | Deepwater Percentage |
|---|----------------|------------------------|-------|-------------------------|----------------------|----------------------|
| | Total | Louisiana ^a | Texas | Greater than 200 meters | Less than 200 meters | |
| Natural Gas, Wet After Lease Separation (billion cubic feet at 14.73 psia and 60° Fahrenheit) | | | | | | |
| Production | | | | | | |
| 1992 | 4,576 | 3,292 | 1,284 | 166 | 4,410 | 3.6 |
| 1993 | 4,651 | 3,383 | 1,268 | 229 | 4,422 | 4.9 |
| 1994 | 4,797 | 3,505 | 1,292 | 294 | 4,503 | 6.1 |
| 1995 | 4,679 | 3,421 | 1,258 | 354 | 4,315 | 7.8 |
| 1996 | 5,045 | 3,752 | 1,293 | 549 | 4,496 | 10.9 |
| 1997 | 5,230 | 3,984 | 1,246 | 577 | 4,653 | 11.0 |
| 1998 | 4,967 | 3,817 | 1,150 | 724 | 4,243 | 14.6 |
| 1999 | 5,000 | 3,829 | 1,171 | 1,124 | 3,876 | 22.5 |
| 2000 | 4,901 | 3,747 | 1,154 | 1,196 | 3,705 | 24.4 |
| 2001 | 5,027 | 3,843 | 1,184 | 1,367 | 3,660 | 27.2 |
| 2002 | 4,544 | 3,541 | 1,003 | 1,365 | 3,180 | 30.0 |
| 2003 | 4,397 | 3,330 | 1,067 | 1,545 | 2,852 | 35.1 |
| 2004 | 3,967 | 2,890 | 1,077 | 1,251 | 2,716 | 31.5 |
| 2005 | 2,968 | 2,056 | 912 | 1,070 | 1,898 | 36.1 |
| 2006 | 2,805 | 2,036 | 769 | 1,112 | 1,692 | 39.6 |
| Reserves | | | | | | |
| 1992 | 27,050 | 20,006 | 7,044 | 3,273 | 23,777 | 12.1 |
| 1993 | 26,463 | 19,751 | 6,712 | 3,495 | 22,968 | 13.2 |
| 1994 | 27,626 | 21,208 | 6,418 | 4,772 | 22,854 | 17.3 |
| 1995 | 28,229 | 21,664 | 6,565 | 5,811 | 22,418 | 20.6 |
| 1996 | 28,153 | 22,119 | 6,034 | 6,389 | 21,764 | 22.7 |
| 1997 | 28,455 | 22,428 | 6,027 | 7,491 | 20,964 | 26.3 |
| 1998 | 26,937 | 21,261 | 5,676 | 7,575 | 19,362 | 28.1 |
| 1999 | 26,062 | 20,172 | 5,890 | 7,726 | 18,336 | 29.6 |
| 2000 | 26,891 | 20,466 | 6,425 | 8,731 | 18,160 | 32.5 |
| 2001 | 27,100 | 20,290 | 6,810 | 11,229 | 15,871 | 41.4 |
| 2002 | 25,347 | 19,113 | 6,234 | 10,540 | 14,807 | 41.6 |
| 2003 | 22,522 | 17,168 | 5,354 | 10,041 | 12,481 | 44.6 |
| 2004 | 19,288 | 15,144 | 4,144 | 8,591 | 10,698 | 44.5 |
| 2005 | 17,427 | 14,073 | 3,354 | 8,042 | 9,385 | 46.1 |
| 2006 | 14,938 | 12,201 | 2,737 | 6,690 | 8,248 | 44.8 |

**Table D9. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2006
(continued)**

| Year | Gulf of Mexico | | | Depth | | Deepwater Percentage |
|---|----------------|------------------------|-------|-------------------------|----------------------|----------------------|
| | Total | Louisiana ^a | Texas | Greater than 200 meters | Less than 200 meters | |
| Natural Gas Liquids (million barrels of 42 U.S. gallons) | | | | | | |
| Production | | | | | | |
| 1992 | 91 | 76 | 15 | 4 | 87 | 4.4 |
| 1993 | 97 | 80 | 17 | 6 | 91 | 6.2 |
| 1994 | 98 | 83 | 15 | 6 | 92 | 6.1 |
| 1995 | 85 | 71 | 14 | 12 | 73 | 14.1 |
| 1996 | 101 | 84 | 17 | 13 | 88 | 12.9 |
| 1997 | 140 | 123 | 17 | 17 | 123 | 12.1 |
| 1998 | 139 | 120 | 19 | 26 | 113 | 18.7 |
| 1999 | 167 | 136 | 31 | 51 | 116 | 30.5 |
| 2000 | 199 | 164 | 35 | 84 | 115 | 42.2 |
| 2001 | 192 | 147 | 45 | 96 | 96 | 50.0 |
| 2002 | 184 | 149 | 35 | 66 | 118 | 36.0 |
| 2003 | 148 | 120 | 28 | 55 | 93 | 37.2 |
| 2004 | 155 | 127 | 28 | 51 | 104 | 32.9 |
| 2005 | 123 | 98 | 25 | 44 | 79 | 35.8 |
| 2006 | 125 | 102 | 23 | 50 | 75 | 39.6 |
| Reserves | | | | | | |
| 1992 | 590 | 472 | 118 | 91 | 499 | 15.4 |
| 1993 | 605 | 490 | 115 | 97 | 508 | 16.0 |
| 1994 | 603 | 500 | 103 | 110 | 493 | 18.2 |
| 1995 | 630 | 496 | 134 | 294 | 336 | 46.7 |
| 1996 | 753 | 621 | 132 | 300 | 456 | 39.8 |
| 1997 | 906 | 785 | 121 | 349 | 557 | 38.5 |
| 1998 | 919 | 776 | 143 | 387 | 532 | 42.1 |
| 1999 | 994 | 833 | 161 | 411 | 583 | 41.3 |
| 2000 | 1,074 | 921 | 153 | 468 | 606 | 43.6 |
| 2001 | 967 | 785 | 182 | 443 | 524 | 45.8 |
| 2002 | 965 | 783 | 182 | 407 | 558 | 42.2 |
| 2003 | 717 | 598 | 119 | 262 | 455 | 36.5 |
| 2004 | 713 | 615 | 98 | 292 | 421 | 32.9 |
| 2005 | 688 | 603 | 85 | 248 | 440 | 36.0 |
| 2006 | 649 | 575 | 74 | 291 | 358 | 44.8 |

**Table D9. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2006
(continued)**

| Year | Gulf of Mexico | | | Depth | | Deepwater Percentage |
|--|----------------|------------------------|-------|-------------------------|----------------------|----------------------|
| | Total | Louisiana ^a | Texas | Greater than 200 meters | Less than 200 meters | |
| Dry Natural Gas (billion cubic feet at 14.73 psia and 60° Fahrenheit) | | | | | | |
| Production | | | | | | |
| 1992 | 4,508 | 3,233 | 1,275 | 162 | 4,346 | 3.6 |
| 1993 | 4,577 | 3,319 | 1,258 | 224 | 4,353 | 4.9 |
| 1994 | 4,725 | 3,440 | 1,285 | 288 | 4,437 | 6.1 |
| 1995 | 4,627 | 3,376 | 1,251 | 361 | 4,266 | 7.8 |
| 1996 | 4,991 | 3,706 | 1,285 | 544 | 4,447 | 10.9 |
| 1997 | 5,133 | 3,895 | 1,238 | 565 | 4,568 | 11.0 |
| 1998 | 4,872 | 3,728 | 1,144 | 711 | 4,161 | 14.6 |
| 1999 | 4,885 | 3,721 | 1,164 | 1,099 | 3,786 | 22.5 |
| 2000 | 4,773 | 3,626 | 1,147 | 1,165 | 3,608 | 24.4 |
| 2001 | 4,913 | 3,735 | 1,178 | 1,334 | 3,578 | 27.4 |
| 2002 | 4,423 | 3,427 | 996 | 1,328 | 3,095 | 30.0 |
| 2003 | 4,306 | 3,244 | 1,062 | 1,513 | 2,793 | 35.1 |
| 2004 | 3,874 | 2,802 | 1,072 | 1,222 | 2,652 | 31.5 |
| 2005 | 2,906 | 1,997 | 909 | 1,069 | 1,837 | 36.8 |
| 2006 | 2,738 | 1,973 | 765 | 1,086 | 1,652 | 39.6 |
| Reserves | | | | | | |
| 1992 | 26,649 | 19,653 | 6,996 | 3,225 | 23,424 | 12.1 |
| 1993 | 26,044 | 19,383 | 6,661 | 3,438 | 22,606 | 13.2 |
| 1994 | 27,218 | 20,835 | 6,383 | 4,709 | 22,509 | 17.3 |
| 1995 | 27,917 | 21,392 | 6,525 | 5,751 | 22,166 | 20.6 |
| 1996 | 27,852 | 21,856 | 5,996 | 6,322 | 21,530 | 22.7 |
| 1997 | 27,922 | 21,934 | 5,988 | 7,343 | 20,579 | 26.3 |
| 1998 | 26,422 | 20,774 | 5,648 | 7,425 | 18,997 | 28.1 |
| 1999 | 25,451 | 19,598 | 5,853 | 7,533 | 17,918 | 29.6 |
| 2000 | 26,172 | 19,788 | 6,384 | 8,506 | 17,666 | 32.5 |
| 2001 | 26,456 | 19,721 | 6,735 | 10,943 | 15,513 | 41.4 |
| 2002 | 24,689 | 18,500 | 6,189 | 10,266 | 14,423 | 41.6 |
| 2003 | 22,059 | 16,728 | 5,331 | 9,835 | 12,224 | 44.6 |
| 2004 | 18,812 | 14,685 | 4,127 | 8,379 | 10,433 | 44.5 |
| 2005 | 17,007 | 13,665 | 3,342 | 8,043 | 8,964 | 47.3 |
| 2006 | 14,549 | 11,824 | 2,725 | 6,516 | 8,033 | 44.8 |

**Table D9. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2006
(continued)**

| Year | Gulf of Mexico | | | Depth | | Deepwater Percentage |
|--|----------------|------------------------|-------|-------------------------|----------------------|----------------------|
| | Total | Louisiana ^a | Texas | Greater than 200 meters | Less than 200 meters | |
| Lease Condensate (million barrels of 42 U.S. gallons) | | | | | | |
| Production | | | | | | |
| 1992 | 44 | 35 | 9 | 2 | 42 | 4.4 |
| 1993 | 46 | 35 | 11 | 3 | 43 | 6.2 |
| 1994 | 47 | 37 | 10 | 3 | 44 | 6.1 |
| 1995 | 49 | 40 | 9 | 7 | 42 | 14.1 |
| 1996 | 60 | 49 | 11 | 8 | 52 | 12.9 |
| 1997 | 70 | 59 | 11 | 8 | 62 | 12.1 |
| 1998 | 72 | 57 | 15 | 13 | 59 | 18.7 |
| 1999 | 87 | 61 | 26 | 27 | 60 | 30.5 |
| 2000 | 106 | 76 | 30 | 45 | 61 | 42.2 |
| 2001 | 101 | 60 | 41 | 51 | 50 | 50.2 |
| 2002 | 90 | 60 | 30 | 38 | 52 | 42.2 |
| 2003 | 78 | 53 | 25 | 30 | 48 | 38.5 |
| 2004 | 74 | 49 | 25 | 27 | 47 | 36.2 |
| 2005 | 62 | 39 | 23 | 26 | 36 | 41.9 |
| 2006 | 58 | 37 | 21 | 23 | 35 | 40.1 |
| Reserves | | | | | | |
| 1992 | 310 | 226 | 84 | 48 | 262 | 15.4 |
| 1993 | 316 | 235 | 81 | 51 | 265 | 16.0 |
| 1994 | 311 | 233 | 78 | 57 | 254 | 18.2 |
| 1995 | 412 | 305 | 107 | 192 | 220 | 46.7 |
| 1996 | 527 | 422 | 105 | 210 | 317 | 39.8 |
| 1997 | 527 | 433 | 94 | 203 | 324 | 38.5 |
| 1998 | 557 | 435 | 122 | 234 | 323 | 42.1 |
| 1999 | 567 | 430 | 137 | 234 | 333 | 41.3 |
| 2000 | 560 | 433 | 127 | 244 | 316 | 43.6 |
| 2001 | 482 | 325 | 157 | 221 | 261 | 45.8 |
| 2002 | 454 | 300 | 154 | 195 | 259 | 43.0 |
| 2003 | 353 | 251 | 102 | 135 | 218 | 38.2 |
| 2004 | 290 | 205 | 85 | 103 | 187 | 35.6 |
| 2005 | 272 | 196 | 76 | 104 | 168 | 38.2 |
| 2006 | 249 | 185 | 64 | 90 | 159 | 36.2 |

^aIncludes Federal Offshore Alabama.

Table D10. 2006 Reported Proved Nonproducing Reserves of Crude Oil, Lease Condensate, and Wet Natural Gas, After Lease Separation^a

| State and Subdivision | Crude Oil (million bbls) | Lease Condensate (million bbls) | Nonassociated Gas (bcf) | Associated Dissolved Gas (bcf) | Total Gas (bcf) |
|---|-----------------------------|---------------------------------------|-------------------------------|--------------------------------------|-----------------------|
| Alaska | 442 | 0 | 339 | 7 | 346 |
| Lower 48 States | 4,732 | 504 | 60,330 | 6,038 | 66,368 |
| Alabama | 0 | 0 | 244 | 1 | 245 |
| Arkansas | 1 | 0 | 615 | 8 | 623 |
| California | 496 | 0 | 282 | 488 | 770 |
| Coastal Region Onshore | 85 | 0 | 6 | 52 | 58 |
| Los Angeles Basin Onshore | 149 | 0 | 0 | 63 | 63 |
| San Joaquin Basin Onshore | 228 | 0 | 274 | 350 | 624 |
| State Offshore | 34 | 0 | 2 | 23 | 25 |
| Colorado | 102 | 40 | 5,828 | 857 | 6,685 |
| Florida | 1 | 0 | 0 | 0 | 0 |
| Kansas | 17 | 0 | 144 | 2 | 146 |
| Kentucky | 0 | 0 | 286 | 0 | 286 |
| Louisiana | 198 | 40 | 4,038 | 316 | 4,354 |
| North | 14 | 10 | 2,363 | 38 | 2,401 |
| South Onshore | 162 | 27 | 1,473 | 252 | 1,725 |
| State Offshore | 22 | 3 | 202 | 26 | 228 |
| Michigan | 15 | 1 | 436 | 24 | 460 |
| Mississippi | 79 | 0 | 143 | 6 | 149 |
| Montana | 91 | 0 | 152 | 24 | 176 |
| New Mexico | 159 | 12 | 3,814 | 322 | 4,136 |
| East | 159 | 10 | 668 | 318 | 986 |
| West | 0 | 2 | 3,146 | 4 | 3,150 |
| New York | 0 | 0 | 38 | 0 | 38 |
| North Dakota | 53 | 1 | 17 | 29 | 46 |
| Ohio | 8 | 0 | 115 | 8 | 123 |
| Oklahoma | 90 | 55 | 4,838 | 110 | 4,948 |
| Pennsylvania | 0 | 0 | 603 | 36 | 639 |
| Texas | 1,077 | 136 | 21,461 | 1,726 | 23,187 |
| RRC District 1 | 26 | 5 | 319 | 19 | 338 |
| RRC District 2 Onshore | 16 | 2 | 573 | 46 | 619 |
| RRC District 3 Onshore | 18 | 24 | 826 | 68 | 894 |
| RRC District 4 Onshore | 4 | 39 | 3,083 | 24 | 3,107 |
| RRC District 5 | 1 | 1 | 6,211 | 21 | 6,232 |
| RRC District 6 | 17 | 23 | 3,101 | 27 | 3,128 |
| RRC District 7B | 5 | 0 | 830 | 4 | 834 |
| RRC District 7C | 120 | 10 | 1,156 | 415 | 1,571 |
| RRC District 8 | 466 | 3 | 1,439 | 687 | 2,126 |
| RRC District 8A | 386 | 1 | 3 | 353 | 356 |
| RRC District 9 | 9 | 3 | 2,257 | 13 | 2,270 |
| RRC District 10 | 9 | 23 | 1,544 | 49 | 1,593 |
| State Offshore | 0 | 2 | 119 | 0 | 119 |
| Utah | 164 | 32 | 1,978 | 140 | 2,118 |
| Virginia | 0 | 0 | 868 | 0 | 868 |
| West Virginia | 0 | 0 | 923 | 0 | 923 |
| Wyoming | 258 | 52 | 7,359 | 28 | 7,387 |
| Federal Offshore ^b | 1,921 | 135 | 6,121 | 1,911 | 8,032 |
| Pacific (California) | 37 | 4 | 47 | 99 | 146 |
| Gulf of Mexico (Louisiana) ^b | 1,816 | 101 | 4,877 | 1,688 | 6,565 |
| Gulf of Mexico (Texas) | 68 | 30 | 1,197 | 124 | 1,321 |
| Miscellaneous ^c | 2 | 0 | 27 | 2 | 29 |
| U.S. Total | 5,174 | 504 | 60,669 | 6,045 | 66,714 |

^aIncludes only those operators who produced during the report year 400,000 barrels of crude oil or 2 billion cubic feet of wet natural gas, or more (Category I and Category II operators).

^bIncludes Federal offshore Alabama.

^cIncludes Arizona, Maryland, Missouri, Nevada, Oregon, South Dakota and Tennessee.

Source: Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," 2006.

