

**Table 10: Natural gas, wet after lease separation, proved reserves, reserves changes from shale plays, by states and areas, 2024**  
(billion cubic feet)

| State and Subdivision   | Changes in proved reserves during 2024  |                                       |                  |                  |                                |                          | Proved producing reserves of shale plays | Proved nonproducing reserves of shale plays | Proved reserves of shale plays 12/31/24 |
|-------------------------|---|---------------------------------------|------------------|------------------|--------------------------------|--------------------------|--|---|---|
|                         | Proved reserves of shale plays 12/31/23 | Revisions and other changes (b) (+,-) | Divestitures (-) | Acquisitions (+) | Extensions and discoveries (+) | Estimated production (-) |  |   |   |
| Alaska                  | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| <b>Lower 48 States</b>  | <b>393,094</b>                          | <b>-62,988</b>                        | <b>1,966</b>     | <b>30,924</b>    | <b>53,157</b>                  | <b>32,868</b>            | <b>244,669</b>                           | <b>134,685</b>                              | <b>379,354</b>                          |
| Arizona                 | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| Arkansas                | 3,836                                   | -695                                  | 0                | 0                | 0                              | 328                      | 2,732                                    | 82  | 2,814                                   |
| Colorado                | 6,964                                   | 142                                   | 12               | 355              | 977                            | 815                      | 4,616                                    | 2,995                                       | 7,610                                   |
| Idaho                   | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| <b>Louisiana</b>        | <b>29,858</b>                           | <b>-9,244</b>                         | <b>118</b>       | <b>3,749</b>     | <b>393</b>                     | <b>3,415</b>             | <b>12,966</b>                            | <b>8,259</b>                                | <b>21,224</b>                           |
| North Onshore           | 29,858                                  | -9,244                                | 118              | 3,749            | 393                            | 3,415                    | 12,966                                   | 8,259                                       | 21,224                                  |
| South Onshore           | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| State Offshore          | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| Michigan                | 1,067                                   | 0                                     | 0                | 2                | 0                              | 58                       | 1,011                                    | 0   | 1,011                                   |
| Montana                 | 460                                     | 150                                   | 0                | 33               | 49                             | 36                       | 326                                      | 331   | 657                                     |
| Nevada                  | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| <b>New Mexico</b>       | <b>28,220</b>                           | <b>30</b>                             | <b>30</b>        | <b>518</b>       | <b>5,378</b>                   | <b>2,800</b>             | <b>16,233</b>                            | <b>15,082</b>                               | <b>31,315</b>                           |
| East                    | 28,220                                  | 30                                    | 30               | 518              | 5,378                          | 2,800                    | 16,233                                   | 15,082                                      | 31,315                                  |
| West                    | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| North Dakota            | 11,879                                  | -1,072                                | 561              | 2,229            | 847                            | 1,243                    | 9,456                                    | 2,623                                       | 12,079                                  |
| Ohio                    | 28,455                                  | -3,765                                | 8                | 1,783            | 1,941                          | 2,115                    | 14,985                                   | 11,306                                      | 26,291                                  |
| Oklahoma                | 18,823                                  | 1,328                                 | 153              | 440              | 1,951                          | 1,477                    | 13,834                                   | 7,079                                       | 20,912                                  |
| Oregon                  | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| Pennsylvania            | 101,243                                 | -26,683                               | 0                | 3,581            | 23,683                         | 7,372                    | 68,808                                   | 25,644                                      | 94,452                                  |
| <b>Texas</b>            | <b>114,326</b>                          | <b>-14,619</b>                        | <b>1,084</b>     | <b>11,478</b>    | <b>12,241</b>                  | <b>9,900</b>             | <b>69,381</b>                            | <b>43,060</b>                               | <b>112,442</b>                          |
| RRC District 1          | 10,073                                  | -1,892                                | 63               | 553              | 704                            | 788                      | 4,501                                    | 4,088                                       | 8,588                                   |
| RRC District 2 Onshore  | 4,785                                   | -672                                  | 4                | 1,006            | 107                            | 617                      | 2,448                                    | 2,156                                       | 4,604                                   |
| RRC District 3 Onshore  | 430                                     | -114                                  | 8                | 1                | 4                              | 9                        | 133                                      | 171   | 304                                     |
| RRC District 4 Onshore  | 16,371                                  | -7,796                                | 1                | 883              | 3,133                          | 679                      | 4,935                                    | 6,975                                       | 11,910                                  |
| RRC District 5 Onshore  | 5,492                                   | 191                                   | 0                | 200              | 450                            | 487                      | 3,921                                    | 1,926                                       | 5,847                                   |
| RRC District 6 Onshore  | 20,412                                  | -6,420                                | 24               | 0                | 332                            | 1,503                    | 6,939                                    | 5,858                                       | 12,798                                  |
| RRC District 7B Onshore | 846                                     | -109                                  | 0                | 0                | 0                              | 61                       | 666                                      | 10  | 676                                     |
| RRC District 7C Onshore | 10,158                                  | 1,789                                 | 307              | 957              | 1,926                          | 1,051                    | 9,213                                    | 4,259                                       | 13,472                                  |
| RRC District 8 Onshore  | 40,509                                  | 1,232                                 | 645              | 7,716            | 5,505                          | 4,376                    | 32,995                                   | 16,945                                      | 49,940                                  |
| RRC District 8A Onshore | 230                                     | -23                                   | 0                | 18               | 78                             | 19                       | 166                                      | 118   | 284                                     |
| RRC District 9 Onshore  | 5,020                                   | -804                                  | 32               | 144              | 0                              | 310                      | 3,464                                    | 554   | 4,018                                   |
| RRC District 10 Onshore | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| State Offshore          | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| West Virginia           | 46,056                                  | -7,975                                | 0                | 6,581            | 5,297                          | 3,180                    | 29,408                                   | 17,371                                      | 46,779                                  |
| Wyoming                 | 1,631                                   | -374                                  | 0                | 0                | 399                            | 124                      | 792                                      | 740   | 1,532                                   |
| Federal Offshore        | -                                       | -                                     | -                | -                | -                              | -                        | -  | -   | -                                       |
| Other States (a)        | 278                                     | -211                                  | 0                | 174              | 0                              | 6                        | 121                                      | 113   | 235                                     |
| <b>U.S. Total</b>       | <b>393,094</b>                          | <b>-62,988</b>                        | <b>1,966</b>     | <b>30,924</b>    | <b>53,157</b>                  | <b>32,868</b>            | <b>244,669</b>                           | <b>134,685</b>                              | <b>379,354</b>                          |

(a) Includes Alabama, California, Florida, Illinois, Indiana, Kansas, Kentucky, Maryland, Mississippi, Missouri, Nebraska, New York, South Dakota, Tennessee, Utah, and Virginia.

(b) Annual balancing item calculated by EIA.

- No data reported

Notes: The above table is based on shale natural gas proved reserves and production volumes reported and imputed from data on Form EIA-23L. For certain reasons (e.g. incorrect or incomplete respondent submissions, respondent mis-identification of shale vs non-shale reservoirs) the actual proved reserves and production of natural gas from shales may be higher or lower. The production estimates are offered only as an observed indicator of production trends and may differ from official EIA production volumes listed elsewhere on the EIA web site.

Natural gas is measured at 60 degrees Fahrenheit and atmospheric pressure base of 14.73 pounds per square inch (psia)

Source: U.S. Energy Information Administration, Form EIA-23L, "Annual Report of Domestic Oil and Gas Proved Reserves," 2023 and 2024.