



*Independent Statistics & Analysis*  
U.S. Energy Information  
Administration

# The Distribution of U.S. Oil and Natural Gas Wells by Production Rate

October 2018



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## Introduction

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One way of developing deeper insight into the rapid growth in U.S. oil and natural gas production during the past few years, driven by technological innovation in drilling and production, is to probe how U.S. oil and natural gas wells have changed. This report looks at the distribution of wells by size and technology to understand these trends.

U.S. oil production reached 10.04 million barrels per day (b/d) in December 2017 and 10.96 million b/d in July 2018, and U.S. natural gas gross withdrawals reached 96.97 billion cubic feet per day (Bcf/d) in December 2017 and 100.24 Bcf/d in July 2018<sup>1</sup>. At the same time, the number of U.S. producing wells increased from 735,000 in 2000 to a high of 1,039,000 wells in 2014, and declined in number to 991,000 wells in 2017—likely because of lower oil prices (Figure 1). Technological change is reflected in how the share of horizontal wells during the past decade increased from 3% to 12% (2008–2017) (Figure 2). As a result, most U.S. oil and natural gas production comes from wells producing between 100 barrels of oil equivalent per day (BOE/d) and 3,200 BOE/d (Figures 3 and 4, respectively). Interestingly, the share of U.S. oil and natural gas wells producing less than 15 BOE/d has remained surprisingly steady at 80% from 2000 through 2017 (Figure 1).

This report provides yearly estimates of the number of U.S. producing oil and natural gas wells, which are grouped into 26 production volume brackets ranging from less than 1 BOE/day to more than 12,800 BOE/day. Wells are designated as either oil or natural gas wells based on a gas-oil ratio (GOR) of 6,000 cubic feet (cf) of natural gas to 1 barrel (b) of oil (cf/b) for each year's production. If the GOR is equal to or less than 6,000 cf/b then the well is classified as an oil well. If the GOR is greater than 6,000 cf/b, the well is classified as a natural gas well.

This report includes four sections:

- An explanation of what a well is
- Methodology
- Frequently asked questions
- Suggestions for querying the downloadable Excel data file of individual state data

The distribution tables for the production rates of all U.S. oil and natural gas wells include the years 2000 through 2017. Appendix B provides summary breakouts for the total United States, each state, the Federal Gulf of Mexico, and the Federal Pacific. The Appendix C spreadsheet can be used to generate figures for all regions and for additional variables.

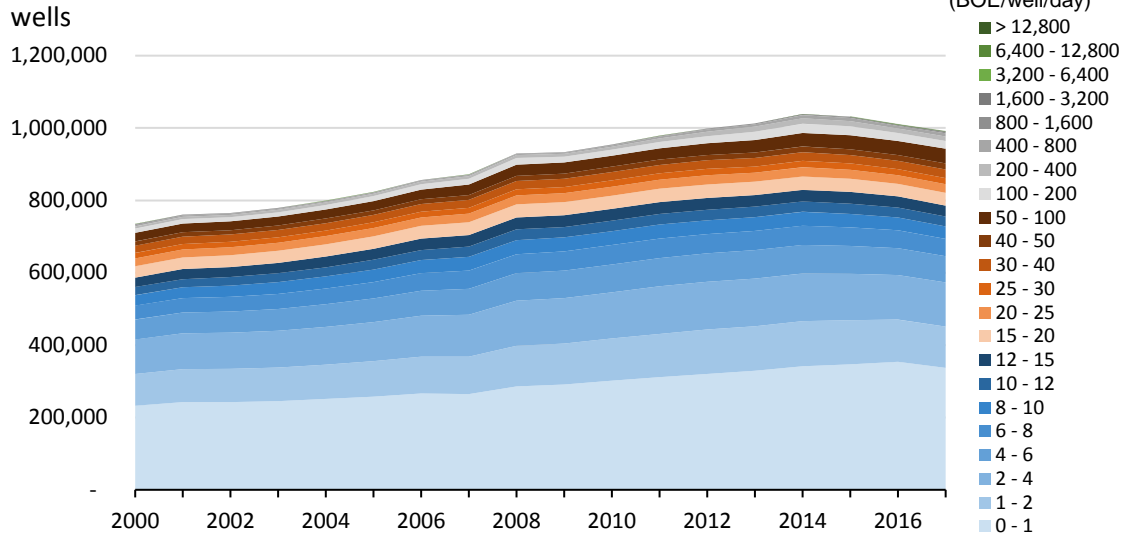
The quality and completeness of the available data used to build the tables vary by state. The data originate from state administrative records of monthly well- or lease-level natural gas and liquid production. EIA receives the data from the commercial source [Drillinginfo](#), which collects the data from the various state agencies. Some state agencies do not make well-production data available until years after production occurs, and others have never made well-production data available. For the late-reporting states—Kentucky, Maryland, and Tennessee—the last year of reported data is used to

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<sup>1</sup> Source: U.S. Energy Information Administration, [Monthly Crude Oil and Natural Gas Production](#), September 28, 2018.

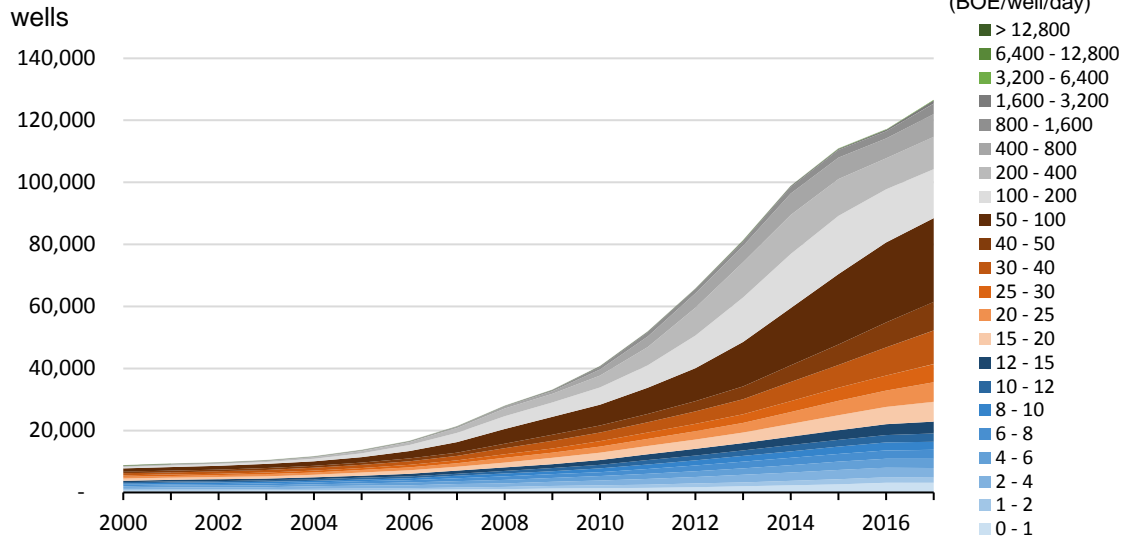
populate recent missing years to achieve the most complete U.S. total well counts. Data are not available for Illinois and Indiana.

**Figure 1. U.S. total wells by production rate brackets**

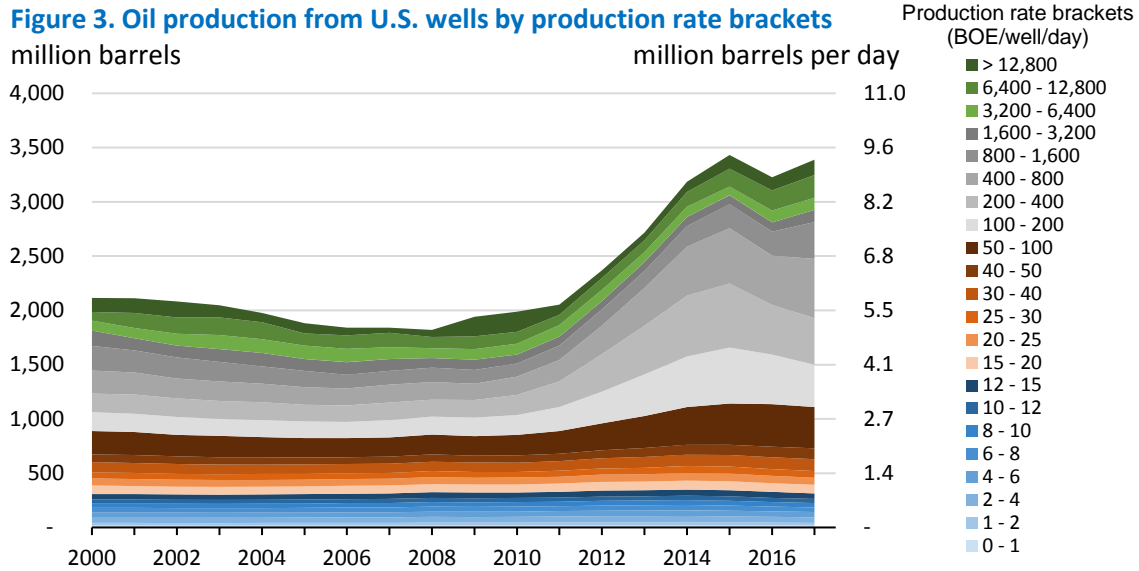


Source: U.S. Energy Information Administration

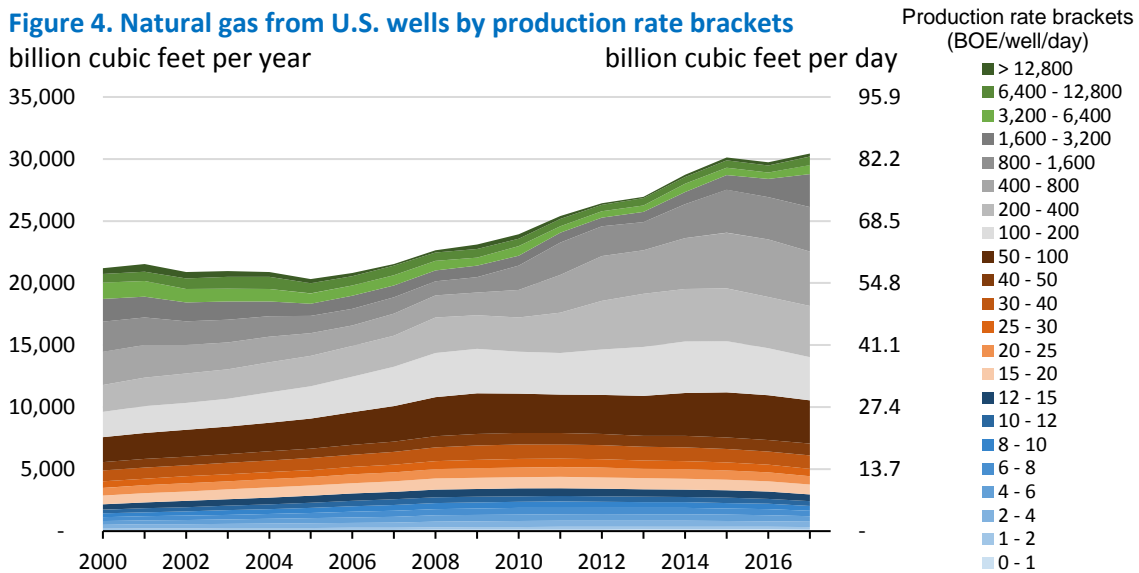
**Figure 2. U.S. total horizontal wells by production rate brackets**



Source: U.S. Energy Information Administration



Source: U.S Energy Information Administration



Source: U.S. Energy Information Administration

## Considerations when using the distribution tables (i.e., what is a well?)

**How wells are defined.** This report and the tables include the following types of wells:

- Single wellhead
- Sidetrack
- Completion
- Recompletion
- Lease

Every producing *entity* in the Drillinginfo database is included. When the number of wells on a lease is available, the total lease production is equally distributed among the wells; although, in some cases, the commercial source has allocated individual well production in proportion to well test results. Sometimes, only a lease and its total production are available, without the wells counts. This situation leads to undercounting wells in some areas.

**Production volume accounting.** Where it was identified, reinjected and recycled natural gas was removed from the gross gas volumes reported by states such as Alaska. For fields identified as having undergone or are undergoing natural gas injection, production levels are reduced by an equal share of the field-level injected natural gas reported by the states. Injection wells are not included in the counts unless they were once producing wells; in such cases, they are included for the years they were producing.

The pressure base used to record natural gas volumes varies by state. For consistency, we converted all natural gas volumes to the federal pressure base of 14.73 pounds per square inch absolute (psia). However, we did not make adjustments to account for differences in the temperature base. Because states vary in how they define a well type (oil or gas), we have used a gas-oil ratio of greater than 6,000 cf/b to designate a well as a natural gas well. Wells with less than or equal to 6,000 cf/b are designated as oil wells.

Finally, we did not include wells that produce exclusively within carbon dioxide (CO<sub>2</sub>) fields, storage wells, and dry holes.

**Consistency with other data sources.** The total volumes shown in the distribution tables represent a snapshot of available data at the time the report was assembled and may not exactly equal other related data, including other EIA sources. Major reasons for differences include

- The timing of updates from state and commercial sources
- The summed production of available well-level production data versus state-level aggregations of production (sometimes state-level data are available sooner than well-level data)
- The definition of a *well* and which *entity* is counted and summed

For example, EIA's official oil and natural gas production volumes are published in EIA's [Petroleum Supply Annual 2017](#), DOE/EIA-0340(17) and [Natural Gas Annual 2017](#), DOE/EIA-0131(17) and are based on the EIA-914 report. The production numbers in the tables and figures of this report are based on data reported in [Drillinginfo](#).

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## Methodology

**How EIA analyzed and aggregated the data.** First, we used the number of days of production activity to convert volumes to a daily rate for the BOE-rate classes in the tables. For this calculation, we did not use the reported *days on* production measure for a well because it is often not available in the database. Instead, we used calendar days for consistency. To determine the months in production for the

calculation, we determined the monthly production data for the first month and first year of production and the last month and last year of production for each *well*. We counted days of production using the number of calendar days in each month for the first year and last year of production. For the middle years of production, we used full years of 365 (or 366) days for days of production.

Next, we summed the monthly liquid and natural gas volumes, along with the number of days of production, to determine annual totals for each well. We converted the annual natural gas volume to BOE using the relationship of 6,000 cf/b. We classified the well as an oil well if its production of barrels of oil was greater than the natural gas production converted to BOE and as a natural gas well if its BOE production was greater than the oil production. The natural gas BOE was then added to the liquid value for a total BOE for each year of the well's production. We divided this total BOE by the number of calendar days the well was in production status, often a partial year for the first and last years and a full year for middle years. Each year of a well's production appears in the appropriate BOE rate class in the tables.

Finally, we summed the well counts and production levels for each rate class to produce the yearly state tables for the report.

## Frequently Asked Questions

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### **What is the average production rate of a well, and how does this rate differ between oil wells and natural gas wells?**

In 2017, the average oil well produced 21 b/d, while the average natural gas well produced about 140,000 cubic feet per day. However, the distribution is generally skewed. Many wells produce smaller volumes per day and fewer wells produce very large volumes per day. In 2017, 81% of the nearly 1 million U.S. wells produced 15 or fewer BOE/day, and 5% of the wells produced more than 100 BOE/day.

### **What are some of the key conclusions that can be drawn from your data?**

Although the total number of operating U.S. oil and gas wells has decreased about 5% from a peak in 2014, from more than one million to just under 991,000 in 2017, the total number of horizontally drilled wells has increased 28% from slightly less than 100,000 to more than 126,000 wells. Oil and gas wells drilled horizontally through hydrocarbon-bearing formations are among the most prolific wells in the United States.

EIA published several *Today In Energy* articles in 2016 based on earlier versions of the data, including

- [Oil wells drilled horizontally are among the highest-producing wells](#) on November 4, 2016
- [Stripper wells accounted for 11% of U.S. natural gas production in 2015](#) on July 28, 2016
- [Stripper wells accounted for 10% of U.S. oil production in 2015](#) on June 29, 2016

**What is the source of EIA's data, and how do you collect it?**

The data source is [Drillinginfo](#). EIA receives a monthly download from Drillinginfo containing the most recent production information. This commercial data source collects the data from the various state agencies involved in regulating oil and natural gas production.

**How often is well-production data for the Lower 48 states collected?**

Some states make data available within a few months after a new well begins production, while other states may take more than 18 months to release that data. The average lag between a new well's first production and reported production in the database is six to eight months.

In addition, historical data are subject to revision, as some states continue collecting and digitizing older well datasets for inclusion in their databases. Also, states may revise data if they identify inaccuracies.

**How often will EIA update this report?**

Subject to resource constraints, we plan to update this report in August or September of each year when complete or nearly complete data for the previous year are available for most states.

**How does counting only wellheads compare with the counts in this report, which also include sidetracks, completions, and recompletions?**

EIA estimates of U.S. wellhead counts (e.g., the *EIA Natural Gas Annual* [number of producing natural gas wells](#)) average 3%–4% lower than the counts in this report. For Colorado and New Mexico, wellhead counts are 12%–15% lower than the counts in this report.

**Does a natural gas well remain a natural gas well during its entire production history?**

In this report, we sometimes classify a well as a natural gas well in one year and an as oil well in another year, and vice versa, depending on a well's gas-oil ratio. We used this approach because the respective volumes of liquid and natural gas produced by a well can change significantly during its production history.

**How is associated natural gas versus non-associated natural gas handled?**

We did not use that distinction explicitly in this report. The associated/non-associated distinction depends on whether the well is classified as an oil well or a natural gas well. If the well is classified as a



natural gas well, then the natural gas is called non-associated gas and the liquid is called condensate. If the well is classified as an oil well, then the natural gas is called associated gas and the liquid is called oil.

**How are lags in data reporting accounted for?**

We included notes in the tables to indicate states that are missing current data because of a lag in reporting on an annual basis. For missing years, we repeat a state's latest data. We don't attempt to estimate data that may be missing within a reported year. See Appendix A for a summary table of missing or incomplete state data.

**How long after a well starts producing is it classified into a production-rate bracket?**

We include a well in our analysis as soon as data for the first month of production are available in the database.

**Do all wells produce both oil and natural gas?**

Most wells produce both oil and natural gas, but some wells produce only one or the other.

**Does the specific reservoir, formation, or play determine the amount of oil and natural gas produced?**

Yes. Different zones within the same reservoir (depending on the hydrocarbon content, depth, and burial history) will produce only liquids, a mix of liquids and natural gas, or only natural gas.

**Why do some states have productive drilling sites, while others do not?**

The best producing areas are often large basins with thick layers of sedimentary rock that accumulated over long periods of time that also contain oil and natural gas. States such as North Dakota, Texas, and Pennsylvania have productive drilling sites because they cover large areas of these basins. Subsurface geology and paleogeography are the most important factors in determining whether a state might be an oil and natural gas producer.

**Has the productivity of wells changed since horizontal drilling and hydraulic fracturing technology have advanced?**

Horizontal drilling and hydraulic fracturing have greatly increased both oil and natural gas production rates of onshore wells in the United States. The decline rates of hydraulically fractured horizontal wells,

within shale or tight formations, are typically greater than for wells drilled vertically into conventional reservoirs.

**What is a *stripper well*?**

A *stripper well*, also called a *marginal well*, is an oil or natural gas well that is nearing the end of its economically useful life. However, these wells can continue to produce small volumes for long periods of time. Many of these wells are still operating, and together they produced approximately 10% of total U.S. oil and natural gas in 2017. Several production levels are used to define a stripper well. The Interstate Oil and Gas Compact Commission uses 10 b/d or less of oil or 60,000 cubic feet or less of natural gas per day during a 12-month period. The Internal Revenue Service (IRS)—for tax purposes—uses 15 b/d or less of oil or 90,000 cubic feet or less of natural gas per day over a calendar year. EIA uses the IRS definition.

**What happens to a well after it stops producing oil or natural gas?**

A nonproducing well is usually plugged and abandoned. However, if significant amounts of hydrocarbons are suspected to remain in the reservoir, the well may undergo secondary or tertiary recovery.

**What is the difference between gross gas, wet gas, and dry gas?**

See the EIA Glossary for definitions for [gross gas withdrawal](#), [wet natural gas](#) and [dry natural gas](#).

**Are any wells still drilled using only conventional drilling practices?**

Yes, many vertical wells are still drilled and completed without hydraulic fracturing; however, these wells and older completion techniques are becoming less common. Based on the larger number of wells and footage drilled, horizontal drilling combined with hydraulic fracturing have become standard practice for oil and natural gas production in the United States.

## Suggestions for Querying the Appendix C Excel Data File

Data are provided in a flat-file format for all states for each year from 2000 through 2017 and by well-size class. The *Filter* tool in Excel provides one of the fastest methods for viewing a subset of the data (Figure 5). For example, the filters in Figure 6 are set to select only AK (Alaska) and the year 2016. In Figure 7, the filters are set to select AK totals for all years and to sort chronologically.

Figure 5. Example of data provided in flat-file format with filter tool added

| State | Year | Production rate bracket (BOE/day) | Class # | # of oil wells | Oil wells: % of oil production | Oil wells: Annual oil production (MMt) | Oil wells: % of oil production | Oil wells: Oil rate per well (bb/D) | Oil wells: Annual gas prod. (E) | Oil wells: Gas rate per well (Mcf/d) | # of gas wells | Gas wells: % of gas production | Gas wells: Annual gas prod. (E) | Gas wells: % of gas production | Gas wells: Gas rate per well (Mcf/D) | Gas wells: Annual oil prod. (MMt) | Gas wells: Oil rate per well (bb/D) | Total wells: Total number of wells | Total wells: Annual oil prod. (MMt) | Total wells: Annual gas prod. (E) | Total wells: Horizontal well co. |
|-------|------|-----------------------------------|---------|----------------|--------------------------------|--|--------------------------------|-------------------------------------|---------------------------------|--------------------------------------|----------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------------|-----------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-----------------------------------|----------------------------------|
| AK    | 2016 | A_ 0 - 1                          | 1       | 3              | 0.21                           | 0                                      | 0                              | 0.23                                | 0                               | 0                                    | 19             | 1.85                           | 0.014                           | 0                              | 2.813                                | 0                                 | 0                                   | 22                                 | 0                                   | 0.014                             | 0                                |
| AK    | 2016 | B_ 1 - 2                          | 2       | 4              | 0.28                           | 0.001                                  | 0                              | 1.277                               | 0.002                           | 1.655                                | 6              | 0.58                           | 0.014                           | 0                              | 8.888                                | 0                                 | 0                                   | 10                                 | 0.002                               | 0.016                             | 0                                |
| AK    | 2016 | C_ 2 - 4                          | 3       | 6              | 0.43                           | 0.003                                  | 0                              | 2.558                               | 0.002                           | 1.819                                | 6              | 0.58                           | 0.026                           | 0                              | 17.544                               | 0                                 | 0                                   | 12                                 | 0.004                               | 0.029                             | 0                                |
| AK    | 2016 | D_ 4 - 6                          | 4       | 6              | 0.43                           | 0.008                                  | 0.01                           | 4.362                               | 0.009                           | 4.934                                | 9              | 0.88                           | 0.079                           | 0                              | 28.408                               | 0.001                             | 0.241                               | 15                                 | 0.009                               | 0.088                             | 1                                |
| AK    | 2016 | E_ 6 - 8                          | 5       | 5              | 0.36                           | 0.011                                  | 0.01                           | 6.038                               | 0.012                           | 6.562                                | 4              | 0.39                           | 0.049                           | 0                              | 36.754                               | 0.001                             | 1.067                               | 9                                  | 0.012                               | 0.061                             | 0                                |
| AK    | 2016 | F_ 8 - 10                         | 6       | 9              | 0.64                           | 0.021                                  | 0.02                           | 7.105                               | 0.025                           | 8.408                                | 1              | 0.11                           | 0.018                           | 0                              | 49.546                               | 0                                 | 0                                   | 10                                 | 0.021                               | 0.043                             | 0                                |
| AK    | 2016 | G_ Subtotal <=10                  | 6.5     | 33             | 2.35                           | 0.045                                  | 0.04                           | 4.573                               | 0.05                            | 5.108                                | 45             | 4.38                           | 0.2                             | 0.01                           | 16.172                               | 0.003                             | 0.21                                | 78                                 | 0.048                               | 0.251                             | 1                                |
| AK    | 2016 | H_ 10 - 12                        | 7       | 9              | 0.64                           | 0.027                                  | 0.02                           | 9.207                               | 0.032                           | 11.088                               | 1              | 0.11                           | 0.003                           | 0                              | 55.567                               | 0                                 | 0                                   | 10                                 | 0.027                               | 0.036                             | 0                                |
| AK    | 2016 | I_ 12 - 15                        | 8       | 13             | 0.92                           | 0.043                                  | 0.04                           | 10.959                              | 0.054                           | 13.571                               | 13             | 1.27                           | 0.246                           | 0.01                           | 71.967                               | 0.006                             | 1.645                               | 26                                 | 0.049                               | 0.3                               | 0                                |
| AK    | 2016 | J_ Subtotal <=15                  | 8.5     | 55             | 3.91                           | 0.116                                  | 0.11                           | 6.891                               | 0.137                           | 8.151                                | 59             | 5.74                           | 0.449                           | 0.01                           | 28.344                               | 0.008                             | 0.524                               | 114                                | 0.124                               | 0.586                             | 1                                |
| AK    | 2016 | K_ 15 - 20                        | 9       | 26             | 1.85                           | 0.125                                  | 0.11                           | 14.117                              | 0.173                           | 19.44                                | 9              | 0.88                           | 0.271                           | 0.01                           | 88.049                               | 0.008                             | 2.604                               | 35                                 | 0.133                               | 0.444                             | 0                                |
| AK    | 2016 | L_ 20 - 25                        | 10      | 17             | 1.21                           | 0.112                                  | 0.11                           | 18.896                              | 0.134                           | 22.598                               | 6              | 0.58                           | 0.213                           | 0.01                           | 126.806                              | 0.003                             | 1.586                               | 23                                 | 0.114                               | 0.346                             | 0                                |
| AK    | 2016 | M_ 25 - 30                        | 11      | 22             | 1.56                           | 0.152                                  | 0.14                           | 22.721                              | 0.206                           | 30.779                               | 6              | 0.58                           | 0.194                           | 0.01                           | 154.896                              | 0.002                             | 1.635                               | 28                                 | 0.154                               | 0.4                               | 0                                |
| AK    | 2016 | N_ 30 - 40                        | 12      | 31             | 2.2                            | 0.308                                  | 0.28                           | 29.153                              | 0.317                           | 29.919                               | 18             | 1.75                           | 1.162                           | 0.04                           | 200.478                              | 0.014                             | 2.464                               | 49                                 | 0.323                               | 1.478                             | 0                                |
| AK    | 2016 | O_ 40 - 50                        | 13      | 46             | 3.27                           | 0.55                                   | 0.49                           | 37.893                              | 0.592                           | 40.765                               | 10             | 0.97                           | 0.845                           | 0.03                           | 252.065                              | 0.007                             | 2.018                               | 56                                 | 0.557                               | 1.437                             | 0                                |
| AK    | 2016 | P_ 50 - 100                       | 14      | 217            | 15.43                          | 4.653                                  | 4.18                           | 64.299                              | 5.383                           | 74.378                               | 53             | 5.16                           | 6.923                           | 0.23                           | 404.671                              | 0.116                             | 6.77                                | 270                                | 4.769                               | 12.306                            | 4                                |
| AK    | 2016 | Q_ Subtotal <=100                 | 14.5    | 414            | 29.45                          | 6.016                                  | 5.41                           | 44.33                               | 6.94                            | 51.134                               | 161            | 15.68                          | 10.057                          | 0.33                           | 209.033                              | 0.158                             | 3.282                               | 575                                | 6.174                               | 16.997                            | 5                                |
| AK    | 2016 | R_ 100 - 200                      | 15      | 360            | 25.6                           | 14.885                                 | 13.38                          | 119.129                             | 20.174                          | 161.461                              | 98             | 9.54                           | 22.936                          | 0.75                           | 748.639                              | 0.817                             | 26.663                              | 458                                | 15.702                              | 43.11                             | 1                                |
| AK    | 2016 | S_ 200 - 400                      | 16      | 348            | 24.75                          | 27.347                                 | 24.58                          | 225.135                             | 43.588                          | 358.846                              | 135            | 13.15                          | 59.111                          | 1.93                           | 1355.718                             | 2.832                             | 64.953                              | 483                                | 30.179                              | 102.699                           | 2                                |
| AK    | 2016 | T_ 400 - 800                      | 17      | 188            | 13.37                          | 28.132                                 | 25.28                          | 429.207                             | 46.876                          | 715.189                              | 101            | 9.83                           | 93.083                          | 3.04                           | 2701.256                             | 4.206                             | 122.067                             | 289                                | 32.338                              | 139.958                           | 5                                |
| AK    | 2016 | U_ 800 - 1,600                    | 18      | 72             | 5.12                           | 20.066                                 | 18.03                          | 828.446                             | 33.055                          | 1364.72                              | 139            | 13.53                          | 272.457                         | 8.9                            | 5921.298                             | 9.097                             | 197.697                             | 211                                | 29.162                              | 305.512                           | 1                                |
| AK    | 2016 | V_ 1,600 - 3,200                  | 19      | 23             | 1.64                           | 11.396                                 | 10.24                          | 1752.215                            | 18.141                          | 2789.272                             | 197            | 19.18                          | 761.267                         | 24.88                          | 12195.489                            | 18.872                            | 302.334                             | 220                                | 30.269                              | 779.408                           | 0                                |

Figure 6. Example of data with filters set to select AK and the year 2016

| State | Year | Production rate bracket (BOE/day) | Class # | # of oil wells | Oil wells: % of oil production | Oil wells: Annual oil production (MMt) | Oil wells: % of oil production |
|-------|------|-----------------------------------|---------|----------------|--------------------------------|--|--------------------------------|
| AK    | 2016 | A_ 0 - 1                          | 1       | 3              | 0.21                           | 0                                      | 0                              |
| AK    | 2016 | B_ 1 - 2                          | 2       | 4              | 0.28                           | 0.001                                  | 0                              |
| AK    | 2016 | C_ 2 - 4                          | 3       | 6              | 0.43                           | 0.003                                  | 0                              |
| AK    | 2016 | D_ 4 - 6                          | 4       | 6              | 0.43                           | 0.008                                  | 0.01                           |
| AK    | 2016 | E_ 6 - 8                          | 5       | 5              | 0.36                           | 0.011                                  | 0.01                           |
| AK    | 2016 | F_ 8 - 10                         | 6       | 9              | 0.64                           | 0.021                                  | 0.02                           |
| AK    | 2016 | G_ Subtotal <=10                  | 6.5     | 33             | 2.35                           | 0.045                                  | 0.04                           |
| AK    | 2016 | H_ 10 - 12                        | 7       | 9              | 0.64                           | 0.027                                  | 0.02                           |

Figure 7. Example with the filters set to select AK totals for all years and to sort chronologically

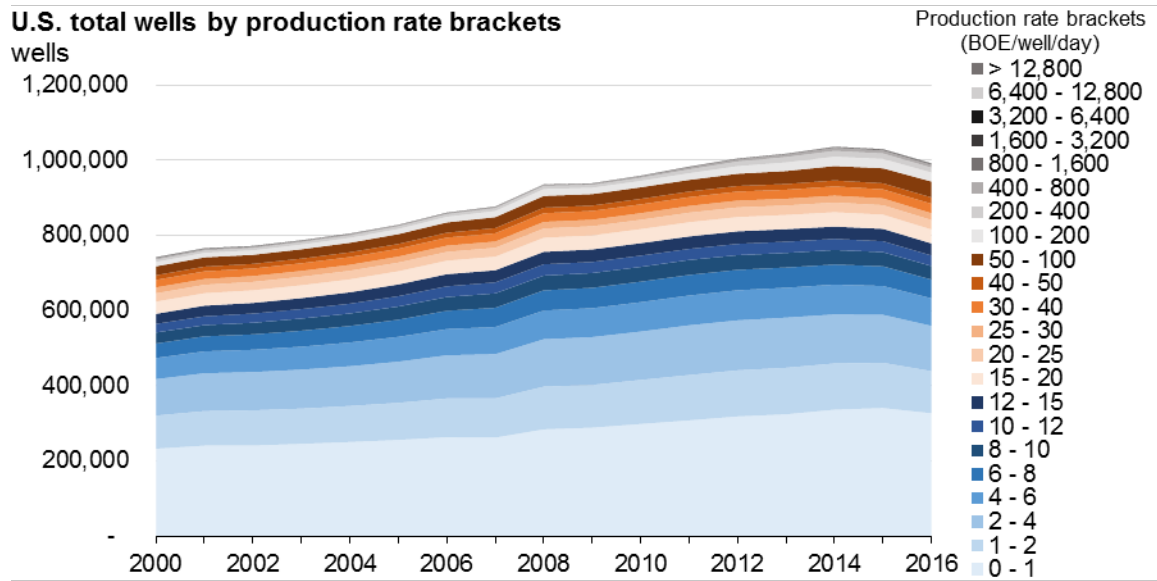
|     | A     | B    | C                                 | D           | E              | F                   |
|-----|-------|------|-----------------------------------|-------------|----------------|---------------------|
| 1   |       |      |                                   |             | Oil wells      |                     |
| 2   | State | Year | Production rate bracket (BOE/day) | Class # for | # of oil wells | Oil wells: % of oil |
| 28  | AK    | 2000 | Z_ Total                          |             | 23             | 2033                |
| 54  | AK    | 2001 | Z_ Total                          |             | 23             | 2116                |
| 80  | AK    | 2002 | Z_ Total                          |             | 23             | 2136                |
| 106 | AK    | 2003 | Z_ Total                          |             | 23             | 2128                |
| 132 | AK    | 2004 | Z_ Total                          |             | 23             | 2107                |
| 158 | AK    | 2005 | Z_ Total                          |             | 23             | 2110                |
| 184 | AK    | 2006 | Z_ Total                          |             | 23             | 2056                |
| 210 | AK    | 2007 | Z_ Total                          |             | 23             | 2025                |
| 236 | AK    | 2008 | Z_ Total                          |             | 23             | 2067                |
| 262 | AK    | 2009 | Z_ Total                          |             | 23             | 2082                |

A pivot table is also set up to help organize the data to make charts. In Figure 8, the United States is selected in cell B1, and the subtotal rows have been deselected in cell A4. Figure 9 shows a chart of the data in Figure 8.

Figure 8. Example of a pivot table to help organize data to make charts

The screenshot shows an Excel spreadsheet with a pivot table. The pivot table is set up to show the 'Sum of Total number of wells' for the United States (US) across various production rate brackets from 2000 to 2016. The pivot table is filtered for 'US' in cell B1. The PivotTable Fields task pane on the right shows 'State' and 'Year' in the Filters area, and 'Production rate bracket' and 'Sum of Total...' in the Values area.

Figure 9. Example of a chart made with a pivot table



## Appendix A

|   |    |
|---|----|
| Reporting status by state and year .....                        | A1 |
| Availability of completion, well, and lease data by state ..... | A2 |

## Appendix B

Oil and natural gas well summary statistics:

|  |     |
|--|-----|
| United States oil and natural gas well summary statistics for years 2000–2017 .....  | B1  |
| Most recent year of available data for each state and federal offshore regions ..... | B19 |

## Appendix C

Separate Excel flat file with all data

Table A1: Reporting status by state and year

| State           | 2000 - 2013 | 2014 - 2015       | 2016                | 2017                | 2018                |
|-----------------|-------------|-------------------|---------------------|---------------------|---------------------|
| AK              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| AL              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| AR              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| AZ              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| CA              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| CO              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| FL              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| Federal Gulf    | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| Federal Pacific | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| IL              | <b>NA</b>   | <b>NA</b>         | <b>NA</b>           | <b>NA</b>           | NA                  |
| IN              | <b>NA</b>   | <b>NA</b>         | <b>NA</b>           | <b>NA</b>           | NA                  |
| KS              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| KY              | Complete    | <b>Incomplete</b> | <b>Not Reported</b> | <b>Not Reported</b> | <b>Not Reported</b> |
| LA              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| MD              | Complete    | Complete          | Complete            | <b>Not Reported</b> | <b>Not Reported</b> |
| MI              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| MO              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| MS              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| MT              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| ND              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| NE              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| NM              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| NV              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| NY              | Complete    | Complete          | Complete            | Complete            | <b>Not Reported</b> |
| OH              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| OK              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| OR              | Complete    | Complete          | Complete            | Complete            | <b>Not Reported</b> |
| PA              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| SD              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| TN              | Complete    | Complete          | Complete            | <b>Not Reported</b> | <b>Not Reported</b> |
| TX              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| UT              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| VA              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| WV              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |
| WY              | Complete    | Complete          | Complete            | Complete            | <i>Incomplete</i>   |

Source: State administrative oil and natural gas data thru Drillinginfo. Data available as of September 2018.

Complete = Data are essentially final, although small volume changes may occur as states continue processing or correcting inaccuracies.

Incomplete = Some well or entity level data are available, but do not appear complete because of the number of monthly changes in the Drillinginfo database.

Not Reported = State has not released any well- or entity-level data for the year.

NA = Not available. State does not release well- or entity-level data.

Notes: For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data are used for 2017, and KY 2013 data are used for 2014–17). All years are missing for IL and IN.

Table A2: Availability of Completion, Well and Lease data by state

| State           | Completion | Well      | Lease     | Wells allocated from leases by Drillinginfo |
|-----------------|------------|-----------|-----------|---|
| AK              | Available  | NA        | NA        | NA  |
| AL              | Available  | NA        | NA        | NA  |
| AR              | NA         | Available | NA        | NA  |
| AZ              | Available  | NA        | NA        | NA  |
| CA              | Available  | NA        | NA        | NA  |
| CO              | NA         | Available | NA        | Available                                   |
| FL              | NA         | Available | NA        | NA  |
| Federal Gulf    | Available  | NA        | NA        | NA  |
| Federal Pacific | NA         | NA        | NA        | NA  |
| IL              | NA         | NA        | NA        | NA  |
| IN              | NA         | NA        | NA        | NA  |
| KS              | NA         | NA        | Available | NA  |
| KY              | Available  | NA        | NA        | NA  |
| LA              | NA         | Available | Available | Available                                   |
| MD              | Available  | NA        | NA        | NA  |
| MI              | NA         | NA        | Available | NA  |
| MO              | Available  | NA        | NA        | NA  |
| MS              | Available  | NA        | NA        | NA  |
| MT              | Available  | NA        | NA        | NA  |
| ND              | Available  | NA        | NA        | NA  |
| NE              | Available  | NA        | Available | NA  |
| NM              | Available  | NA        | NA        | NA  |
| NV              | NA         | Available | NA        | NA  |
| NY              | NA         | Available | NA        | NA  |
| OH              | NA         | Available | NA        | NA  |
| OK              | NA         | Available | Available | Available                                   |
| OR              | Available  | NA        | NA        | NA  |
| PA              | NA         | Available | NA        | NA  |
| SD              | Available  | NA        | NA        | NA  |
| TN              | Available  | NA        | NA        | NA  |
| TX              | Available  | Available | Available | Available                                   |
| UT              | NA         | Available | NA        | NA  |
| VA              | Available  | NA        | NA        | NA  |
| WV              | NA         | Available | NA        | NA  |
| WY              | Available  | NA        | NA        | NA  |

Source: State administrative oil and natural gas data thru Drillinginfo. Data available as of September 2018.

Notes:

A producing *entity* in the database is either a completion, well, lease or wells allocated from a lease.

A completion often represents a single well, but a well can have more than one completion, or a recompletion, within the same or a different reservoir.

Wells on a lease can be allocated a share of production and listed as separate wells (e.g., Drillinginfo has allocated wells on some leases in Texas). Sometimes well test data can be used to indicate which wells are producing the most or the least. When this doesn't work, equal production is allocated to each well.

NA = Not available.



## Appendix B content

| <b>abbreviation</b> | <b>state</b>           | <b>tables</b> |
|---------------------|------------------------|---------------|
| US                  | United States          | 1-18          |
| AL                  | Alabama                | 19            |
| AK                  | Alaska                 | 20            |
| AZ                  | Arizona                | 21            |
| AR                  | Arkansas               | 22            |
| CA                  | California             | 23            |
| CO                  | Colorado               | 24            |
| FG                  | Federal Gulf of Mexico | 25            |
| FP                  | Federal Pacific        | 26            |
| FL                  | Florida                | 27            |
| KS                  | Kansas                 | 28            |
| KY                  | Kentucky               | 29            |
| LA                  | Louisiana              | 30            |
| MD                  | Maryland               | 31            |
| MI                  | Michigan               | 32            |
| MS                  | Mississippi            | 33            |
| MO                  | Missouri               | 34            |
| MT                  | Montana                | 35            |
| NE                  | Nebraska               | 36            |
| NV                  | Nevada                 | 37            |
| NM                  | New Mexico             | 38            |
| NY                  | New York               | 39            |
| ND                  | North Dakota           | 40            |
| OH                  | Ohio                   | 41            |
| OK                  | Oklahoma               | 42            |
| OR                  | Oregon                 | 43            |
| PA                  | Pennsylvania           | 44            |
| SD                  | South Dakota           | 45            |
| TN                  | Tennessee              | 46            |
| TX                  | Texas                  | 47            |
| UT                  | Utah                   | 48            |
| VA                  | Virginia               | 49            |
| WV                  | West Virginia          | 50            |
| WY                  | Wyoming                | 51            |

Notes:

1) See Appendix A for last year of available data.

Table B1. United States oil and gas well summary statistics, 2000

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 149,031        | 39.5           | 17.1                   | 0.9            | 0.3                       | 5.1                    | 0.1                         | 83,298         | 23.3           | 71.8                   | 0.4            | 2.4                         | 0.7                    | 0.0                       | 232,329          | 17.8                   | 76.9                   | 566                   |
| 1 - 2                        | 45,215         | 12.0           | 22.1                   | 1.2            | 1.4                       | 8.8                    | 0.5                         | 42,587         | 11.9           | 125.7                  | 0.7            | 8.2                         | 1.4                    | 0.1                       | 87,802           | 23.4                   | 134.5                  | 356                   |
| 2 - 4                        | 47,555         | 12.6           | 45.7                   | 2.4            | 2.7                       | 20.7                   | 1.2                         | 47,664         | 13.3           | 275.6                  | 1.4            | 16.2                        | 3.4                    | 0.2                       | 95,219           | 49.2                   | 296.3                  | 547                   |
| 4 - 6                        | 26,749         | 7.1            | 43.2                   | 2.3            | 4.5                       | 23.1                   | 2.4                         | 28,798         | 8.1            | 281.9                  | 1.5            | 27.5                        | 3.7                    | 0.4                       | 55,547           | 46.8                   | 305.0                  | 562                   |
| 6 - 8                        | 17,451         | 4.6            | 39.3                   | 2.1            | 6.3                       | 24.8                   | 4.0                         | 20,737         | 5.8            | 284.3                  | 1.5            | 38.6                        | 3.8                    | 0.5                       | 38,188           | 43.0                   | 309.2                  | 471                   |
| 8 - 10                       | 12,860         | 3.4            | 36.9                   | 2.0            | 8.0                       | 24.9                   | 5.4                         | 16,215         | 4.5            | 288.8                  | 1.5            | 50.2                        | 3.3                    | 0.6                       | 29,075           | 40.3                   | 313.7                  | 392                   |
| <b>Subtotal &lt;=10</b>      | <b>298,861</b> | <b>79.3</b>    | <b>204.2</b>           | <b>10.9</b>    | <b>1.9</b>                | <b>107.4</b>           | <b>1.0</b>                  | <b>239,299</b> | <b>66.9</b>    | <b>1,328.1</b>         | <b>6.8</b>     | <b>15.5</b>                 | <b>16.3</b>            | <b>0.2</b>                | <b>538,160</b>   | <b>220.5</b>           | <b>1,435.5</b>         | <b>2,894</b>          |
| 10 - 12                      | 9,991          | 2.7            | 35.2                   | 1.9            | 9.9                       | 22.6                   | 6.4                         | 12,449         | 3.5            | 272.5                  | 1.4            | 61.9                        | 2.9                    | 0.7                       | 22,440           | 38.1                   | 295.1                  | 408                   |
| 12 - 15                      | 10,645         | 2.8            | 45.9                   | 2.4            | 12.1                      | 28.8                   | 7.6                         | 15,186         | 4.2            | 408.4                  | 2.1            | 76.2                        | 4.0                    | 0.8                       | 25,831           | 49.9                   | 437.2                  | 493                   |
| <b>Subtotal &lt;=15</b>      | <b>319,497</b> | <b>84.7</b>    | <b>285.3</b>           | <b>15.2</b>    | <b>2.5</b>                | <b>158.8</b>           | <b>1.4</b>                  | <b>266,934</b> | <b>74.6</b>    | <b>2,009.0</b>         | <b>10.4</b>    | <b>21.1</b>                 | <b>23.2</b>            | <b>0.2</b>                | <b>586,431</b>   | <b>308.5</b>           | <b>2,167.8</b>         | <b>3,795</b>          |
| 15 - 20                      | 12,911         | 3.4            | 71.7                   | 3.8            | 15.7                      | 44.0                   | 9.6                         | 18,683         | 5.2            | 652.7                  | 3.4            | 99.0                        | 5.6                    | 0.8                       | 31,594           | 77.3                   | 696.7                  | 687                   |
| 20 - 25                      | 8,527          | 2.3            | 61.0                   | 3.3            | 20.3                      | 37.1                   | 12.3                        | 13,006         | 3.6            | 583.2                  | 3.0            | 127.6                       | 5.0                    | 1.1                       | 21,533           | 66.0                   | 620.3                  | 583                   |
| 25 - 30                      | 6,120          | 1.6            | 53.5                   | 2.9            | 25.0                      | 31.0                   | 14.5                        | 9,143          | 2.6            | 499.1                  | 2.6            | 156.4                       | 4.2                    | 1.3                       | 15,263           | 57.6                   | 530.1                  | 467                   |
| 30 - 40                      | 7,823          | 2.1            | 85.7                   | 4.6            | 31.4                      | 51.6                   | 18.9                        | 12,027         | 3.4            | 825.1                  | 4.3            | 197.5                       | 6.7                    | 1.6                       | 19,850           | 92.4                   | 876.7                  | 675                   |
| 40 - 50                      | 4,784          | 1.3            | 66.8                   | 3.6            | 40.3                      | 42.6                   | 25.7                        | 7,223          | 2.0            | 628.9                  | 3.2            | 255.7                       | 5.0                    | 2.0                       | 12,007           | 71.8                   | 671.5                  | 486                   |
| 50 - 100                     | 9,484          | 2.5            | 196.2                  | 10.4           | 61.0                      | 143.6                  | 44.7                        | 14,340         | 4.0            | 1,867.8                | 9.6            | 392.3                       | 18.1                   | 3.8                       | 23,824           | 214.3                  | 2,011.4                | 1,063                 |
| <b>Subtotal &lt;=100</b>     | <b>369,146</b> | <b>97.9</b>    | <b>820.2</b>           | <b>43.6</b>    | <b>6.2</b>                | <b>508.8</b>           | <b>3.9</b>                  | <b>341,356</b> | <b>95.4</b>    | <b>7,065.8</b>         | <b>36.4</b>    | <b>58.4</b>                 | <b>67.8</b>            | <b>0.6</b>                | <b>710,502</b>   | <b>888.0</b>           | <b>7,574.6</b>         | <b>7,756</b>          |
| 100 - 200                    | 3,924          | 1.0            | 156.1                  | 8.3            | 119.6                     | 135.5                  | 103.9                       | 7,704          | 2.2            | 1,906.2                | 9.8            | 786.3                       | 19.0                   | 7.8                       | 11,628           | 175.1                  | 2,041.7                | 493                   |
| 200 - 400                    | 1,907          | 0.5            | 151.5                  | 8.1            | 239.7                     | 143.7                  | 227.4                       | 4,185          | 1.2            | 2,021.9                | 10.4           | 1,577.3                     | 20.3                   | 15.8                      | 6,092            | 171.8                  | 2,165.5                | 227                   |
| 400 - 800                    | 1,141          | 0.3            | 182.6                  | 9.7            | 483.7                     | 184.6                  | 489.0                       | 2,620          | 0.7            | 2,487.0                | 12.8           | 3,142.7                     | 27.3                   | 34.5                      | 3,761            | 209.9                  | 2,671.6                | 111                   |
| 800 - 1,600                  | 642            | 0.2            | 198.2                  | 10.5           | 928.7                     | 237.9                  | 1,115.0                     | 1,257          | 0.4            | 2,194.8                | 11.3           | 6,096.9                     | 30.7                   | 85.3                      | 1,899            | 228.9                  | 2,432.7                | 55                    |
| 1,600 - 3,200                | 209            | 0.1            | 115.3                  | 6.1            | 1,758.1                   | 143.7                  | 2,192.3                     | 479            | 0.1            | 1,681.2                | 8.7            | 12,006.1                    | 26.1                   | 186.2                     | 688              | 141.3                  | 1,824.9                | 13                    |
| 3,200 - 6,400                | 64             | 0.0            | 71.4                   | 3.8            | 3,879.0                   | 87.3                   | 4,745.2                     | 170            | 0.1            | 1,234.2                | 6.4            | 24,078.1                    | 19.6                   | 383.2                     | 234              | 91.0                   | 1,321.5                | 12                    |
| 6,400 - 12,800               | 32             | 0.0            | 71.9                   | 3.8            | 7,529.8                   | 116.7                  | 12,213.0                    | 40             | 0.0            | 578.2                  | 3.0            | 43,969.9                    | 8.7                    | 659.8                     | 72               | 80.6                   | 694.8                  | 0                     |
| > 12,800                     | 21             | 0.0            | 112.3                  | 6.0            | 15,091.5                  | 228.6                  | 30,708.3                    | 13             | 0.0            | 240.0                  | 1.2            | 66,635.8                    | 16.1                   | 4,482.0                   | 34               | 128.5                  | 468.6                  | 0                     |
| <b>Total</b>                 | <b>377,086</b> | <b>100.0</b>   | <b>1,879.4</b>         | <b>100.0</b>   | <b>14.0</b>               | <b>1,786.7</b>         | <b>13.3</b>                 | <b>357,824</b> | <b>100.0</b>   | <b>19,409.2</b>        | <b>100.0</b>   | <b>154.0</b>                | <b>235.7</b>           | <b>1.9</b>                | <b>734,910</b>   | <b>2,115.2</b>         | <b>21,195.9</b>        | <b>8,667</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B2. United States oil and gas well summary statistics, 2001

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 149,302        | 39.7           | 16.8                 | 0.9            | 0.3                       | 5.5                    | 0.1                         | 93,211         | 24.2           | 80.2                   | 0.4            | 2.4                         | 0.8                    | 0.0                       | 242,513          | 17.6                   | 85.7                   | 583                   |
| 1 - 2                        | 44,758         | 11.9           | 21.8                 | 1.2            | 1.4                       | 9.0                    | 0.6                         | 46,105         | 12.0           | 135.9                  | 0.7            | 8.2                         | 1.4                    | 0.1                       | 90,863           | 23.2                   | 144.9                  | 403                   |
| 2 - 4                        | 47,638         | 12.7           | 45.8                 | 2.5            | 2.7                       | 20.6                   | 1.2                         | 51,517         | 13.4           | 297.5                  | 1.5            | 16.3                        | 3.5                    | 0.2                       | 99,155           | 49.3                   | 318.1                  | 600                   |
| 4 - 6                        | 26,944         | 7.2            | 43.4                 | 2.3            | 4.5                       | 23.5                   | 2.4                         | 30,552         | 7.9            | 297.7                  | 1.5            | 27.6                        | 3.7                    | 0.3                       | 57,496           | 47.0                   | 321.1                  | 571                   |
| 6 - 8                        | 17,555         | 4.7            | 39.3                 | 2.1            | 6.3                       | 25.8                   | 4.1                         | 22,117         | 5.7            | 303.8                  | 1.5            | 39.0                        | 3.6                    | 0.5                       | 39,672           | 42.9                   | 329.6                  | 479                   |
| 8 - 10                       | 13,026         | 3.5            | 37.4                 | 2.0            | 8.1                       | 25.1                   | 5.4                         | 16,764         | 4.4            | 298.9                  | 1.5            | 50.5                        | 3.2                    | 0.5                       | 29,790           | 40.6                   | 324.0                  | 467                   |
| <b>Subtotal &lt;=10</b>      | <b>299,223</b> | <b>79.6</b>    | <b>204.6</b>         | <b>11.0</b>    | <b>1.9</b>                | <b>109.5</b>           | <b>1.0</b>                  | <b>260,266</b> | <b>67.6</b>    | <b>1,413.9</b>         | <b>7.2</b>     | <b>15.3</b>                 | <b>16.1</b>            | <b>0.2</b>                | <b>559,489</b>   | <b>220.7</b>           | <b>1,523.5</b>         | <b>3,103</b>          |
| 10 - 12                      | 9,474          | 2.5            | 33.2                 | 1.8            | 9.8                       | 22.5                   | 6.7                         | 13,314         | 3.5            | 290.8                  | 1.5            | 62.0                        | 3.0                    | 0.6                       | 22,788           | 36.2                   | 313.4                  | 393                   |
| 12 - 15                      | 10,778         | 2.9            | 46.6                 | 2.5            | 12.2                      | 28.8                   | 7.5                         | 16,866         | 4.4            | 452.3                  | 2.3            | 76.2                        | 4.3                    | 0.7                       | 27,644           | 50.9                   | 481.1                  | 525                   |
| <b>Subtotal &lt;=15</b>      | <b>319,475</b> | <b>85.0</b>    | <b>284.4</b>         | <b>15.3</b>    | <b>2.5</b>                | <b>160.9</b>           | <b>1.4</b>                  | <b>290,446</b> | <b>75.4</b>    | <b>2,157.0</b>         | <b>10.9</b>    | <b>20.9</b>                 | <b>23.3</b>            | <b>0.2</b>                | <b>609,921</b>   | <b>307.7</b>           | <b>2,318.0</b>         | <b>4,021</b>          |
| 15 - 20                      | 12,462         | 3.3            | 69.0                 | 3.7            | 15.7                      | 43.8                   | 9.9                         | 19,812         | 5.1            | 687.5                  | 3.5            | 98.9                        | 5.7                    | 0.8                       | 32,274           | 74.7                   | 731.3                  | 732                   |
| 20 - 25                      | 8,395          | 2.2            | 59.8                 | 3.2            | 20.3                      | 37.0                   | 12.5                        | 13,590         | 3.5            | 609.3                  | 3.1            | 127.9                       | 4.9                    | 1.0                       | 21,985           | 64.7                   | 646.3                  | 559                   |
| 25 - 30                      | 5,906          | 1.6            | 51.1                 | 2.7            | 24.8                      | 31.5                   | 15.3                        | 9,295          | 2.4            | 504.4                  | 2.6            | 156.1                       | 4.2                    | 1.3                       | 15,201           | 55.3                   | 536.0                  | 456                   |
| 30 - 40                      | 7,891          | 2.1            | 85.4                 | 4.6            | 31.3                      | 53.8                   | 19.7                        | 12,301         | 3.2            | 835.4                  | 4.2            | 197.3                       | 6.8                    | 1.6                       | 20,192           | 92.2                   | 889.2                  | 713                   |
| 40 - 50                      | 4,740          | 1.3            | 65.6                 | 3.5            | 40.1                      | 45.0                   | 27.5                        | 7,442          | 1.9            | 644.5                  | 3.3            | 254.0                       | 5.9                    | 2.3                       | 12,182           | 71.4                   | 689.5                  | 552                   |
| 50 - 100                     | 9,414          | 2.5            | 193.6                | 10.4           | 60.7                      | 145.9                  | 45.8                        | 15,142         | 3.9            | 1,966.1                | 10.0           | 394.5                       | 18.8                   | 3.8                       | 24,556           | 212.4                  | 2,112.0                | 1,117                 |
| <b>Subtotal &lt;=100</b>     | <b>368,283</b> | <b>98.0</b>    | <b>808.8</b>         | <b>43.4</b>    | <b>6.2</b>                | <b>517.9</b>           | <b>4.0</b>                  | <b>368,028</b> | <b>95.6</b>    | <b>7,404.4</b>         | <b>37.5</b>    | <b>57.1</b>                 | <b>69.8</b>            | <b>0.5</b>                | <b>736,311</b>   | <b>878.6</b>           | <b>7,922.3</b>         | <b>8,150</b>          |
| 100 - 200                    | 3,812          | 1.0            | 150.9                | 8.1            | 119.8                     | 133.2                  | 105.8                       | 8,224          | 2.1            | 2,020.0                | 10.2           | 790.0                       | 19.5                   | 7.6                       | 12,036           | 170.4                  | 2,153.2                | 565                   |
| 200 - 400                    | 1,907          | 0.5            | 151.7                | 8.2            | 239.1                     | 146.4                  | 230.8                       | 4,480          | 1.2            | 2,162.7                | 11.0           | 1,576.6                     | 22.9                   | 16.7                      | 6,387            | 174.6                  | 2,309.1                | 275                   |
| 400 - 800                    | 1,092          | 0.3            | 177.3                | 9.5            | 484.9                     | 180.9                  | 494.7                       | 2,582          | 0.7            | 2,434.8                | 12.3           | 3,115.7                     | 26.9                   | 34.4                      | 3,674            | 204.2                  | 2,615.8                | 123                   |
| 800 - 1,600                  | 584            | 0.2            | 176.1                | 9.5            | 914.9                     | 207.4                  | 1,078.0                     | 1,138          | 0.3            | 2,028.3                | 10.3           | 6,014.9                     | 28.9                   | 85.8                      | 1,722            | 205.0                  | 2,235.8                | 52                    |
| 1,600 - 3,200                | 148            | 0.0            | 84.8                 | 4.6            | 1,790.9                   | 89.7                   | 1,894.5                     | 446            | 0.1            | 1,582.8                | 8.0            | 12,065.6                    | 25.2                   | 191.8                     | 594              | 110.0                  | 1,672.5                | 14                    |
| 3,200 - 6,400                | 79             | 0.0            | 76.2                 | 4.1            | 3,596.1                   | 102.5                  | 4,837.3                     | 155            | 0.0            | 1,155.2                | 5.9            | 23,966.2                    | 19.0                   | 394.7                     | 234              | 95.2                   | 1,257.7                | 7                     |
| 6,400 - 12,800               | 50             | 0.0            | 125.7                | 6.8            | 7,759.3                   | 187.3                  | 11,565.6                    | 40             | 0.0            | 566.8                  | 2.9            | 44,333.2                    | 11.7                   | 914.5                     | 90               | 137.4                  | 754.1                  | 0                     |
| > 12,800                     | 24             | 0.0            | 110.3                | 5.9            | 14,847.4                  | 232.0                  | 31,243.6                    | 20             | 0.0            | 388.8                  | 2.0            | 63,556.0                    | 27.6                   | 4,504.1                   | 44               | 137.8                  | 620.9                  | 0                     |
| <b>Total</b>                 | <b>375,979</b> | <b>100.0</b>   | <b>1,861.8</b>       | <b>100.0</b>   | <b>14.0</b>               | <b>1,797.4</b>         | <b>13.5</b>                 | <b>385,113</b> | <b>100.0</b>   | <b>19,743.9</b>        | <b>100.0</b>   | <b>146.2</b>                | <b>251.4</b>           | <b>1.9</b>                | <b>761,092</b>   | <b>2,113.1</b>         | <b>21,541.3</b>        | <b>9,186</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B3. United States oil and gas well summary statistics, 2002

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                |                             |                |                 |                        |                | Total wells                 |                        |                           |                  |                        |                        |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|----------------|-----------------------------|----------------|-----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells  | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) |
| 0 - 1                        | 146,591        | 39.7           | 16.6                   | 0.9            | 0.3                       | 5.4                    | 0.1            | 95,650                      | 24.2           | 81.8            | 0.4                    | 2.4            | 0.8                         | 0.0                    | 242,241                   | 17.5             | 87.2                   | 591                    |
| 1 - 2                        | 44,852         | 12.1           | 21.7                   | 1.2            | 1.4                       | 9.4                    | 0.6            | 46,827                      | 11.8           | 138.8           | 0.7                    | 8.3            | 1.4                         | 0.1                    | 91,679                    | 23.1             | 148.1                  | 407                    |
| 2 - 4                        | 47,518         | 12.9           | 45.6                   | 2.5            | 2.7                       | 20.8                   | 1.2            | 52,452                      | 13.3           | 304.9           | 1.6                    | 16.3           | 3.4                         | 0.2                    | 99,970                    | 48.9             | 325.7                  | 645                    |
| 4 - 6                        | 26,739         | 7.2            | 42.8                   | 2.3            | 4.5                       | 24.4                   | 2.6            | 32,137                      | 8.1            | 315.4           | 1.7                    | 27.7           | 3.6                         | 0.3                    | 58,876                    | 46.4             | 339.8                  | 581                    |
| 6 - 8                        | 17,160         | 4.6            | 38.5                   | 2.1            | 6.3                       | 24.9                   | 4.0            | 23,272                      | 5.9            | 322.5           | 1.7                    | 39.1           | 3.5                         | 0.4                    | 40,432                    | 42.1             | 347.4                  | 546                    |
| 8 - 10                       | 12,798         | 3.5            | 36.9                   | 2.0            | 8.1                       | 24.9                   | 5.4            | 18,007                      | 4.6            | 321.8           | 1.7                    | 50.5           | 3.4                         | 0.5                    | 30,805                    | 40.4             | 346.7                  | 495                    |
| <b>Subtotal &lt;=10</b>      | <b>295,658</b> | <b>80.0</b>    | <b>202.3</b>           | <b>10.9</b>    | <b>1.9</b>                | <b>109.7</b>           | <b>1.0</b>     | <b>268,345</b>              | <b>67.8</b>    | <b>1,485.3</b>  | <b>7.8</b>             | <b>15.6</b>    | <b>16.1</b>                 | <b>0.2</b>             | <b>564,003</b>            | <b>218.3</b>     | <b>1,595.0</b>         | <b>3,265</b>           |
| 10 - 12                      | 9,466          | 2.6            | 33.3                   | 1.8            | 9.9                       | 22.3                   | 6.6            | 14,574                      | 3.7            | 320.7           | 1.7                    | 62.1           | 3.2                         | 0.6                    | 24,040                    | 36.5             | 343.0                  | 425                    |
| 12 - 15                      | 10,415         | 2.8            | 44.8                   | 2.4            | 12.1                      | 29.1                   | 7.9            | 17,163                      | 4.3            | 464.2           | 2.4                    | 76.4           | 4.3                         | 0.7                    | 27,578                    | 49.0             | 493.3                  | 545                    |
| <b>Subtotal &lt;=15</b>      | <b>315,539</b> | <b>85.3</b>    | <b>280.3</b>           | <b>15.2</b>    | <b>2.5</b>                | <b>161.1</b>           | <b>1.4</b>     | <b>300,082</b>              | <b>75.8</b>    | <b>2,270.1</b>  | <b>11.9</b>            | <b>21.3</b>    | <b>23.6</b>                 | <b>0.2</b>             | <b>615,621</b>            | <b>303.9</b>     | <b>2,431.3</b>         | <b>4,235</b>           |
| 15 - 20                      | 11,997         | 3.2            | 66.6                   | 3.6            | 15.6                      | 42.4                   | 10.0           | 20,662                      | 5.2            | 721.8           | 3.8                    | 98.9           | 5.9                         | 0.8                    | 32,659                    | 72.5             | 764.2                  | 723                    |
| 20 - 25                      | 8,046          | 2.2            | 57.6                   | 3.1            | 20.2                      | 37.4                   | 13.1           | 13,903                      | 3.5            | 625.9           | 3.3                    | 127.8          | 5.1                         | 1.0                    | 21,949                    | 62.7             | 663.2                  | 602                    |
| 25 - 30                      | 5,860          | 1.6            | 51.1                   | 2.8            | 24.8                      | 32.2                   | 15.6           | 9,644                       | 2.4            | 528.9           | 2.8                    | 156.5          | 4.3                         | 1.3                    | 15,504                    | 55.4             | 561.2                  | 506                    |
| 30 - 40                      | 7,643          | 2.1            | 83.5                   | 4.5            | 31.3                      | 52.0                   | 19.5           | 12,276                      | 3.1            | 841.4           | 4.4                    | 197.5          | 7.0                         | 1.6                    | 19,919                    | 90.5             | 893.4                  | 798                    |
| 40 - 50                      | 4,701          | 1.3            | 65.0                   | 3.5            | 40.1                      | 44.3                   | 27.3           | 7,408                       | 1.9            | 650.3           | 3.4                    | 254.5          | 5.5                         | 2.2                    | 12,109                    | 70.5             | 694.6                  | 512                    |
| 50 - 100                     | 8,658          | 2.3            | 179.2                  | 9.7            | 60.6                      | 135.7                  | 45.9           | 15,423                      | 3.9            | 2,031.0         | 10.6                   | 393.7          | 19.1                        | 3.7                    | 24,081                    | 198.3            | 2,166.6                | 1,186                  |
| <b>Subtotal &lt;=100</b>     | <b>362,444</b> | <b>98.0</b>    | <b>783.3</b>           | <b>42.4</b>    | <b>6.1</b>                | <b>505.1</b>           | <b>3.9</b>     | <b>379,398</b>              | <b>95.9</b>    | <b>7,669.4</b>  | <b>40.2</b>            | <b>57.1</b>    | <b>70.5</b>                 | <b>0.5</b>             | <b>741,842</b>            | <b>853.8</b>     | <b>8,174.5</b>         | <b>8,562</b>           |
| 100 - 200                    | 3,617          | 1.0            | 146.8                  | 7.9            | 120.9                     | 121.8                  | 100.3          | 8,104                       | 2.1            | 2,048.5         | 10.7                   | 792.6          | 18.8                        | 7.3                    | 11,721                    | 165.6            | 2,170.3                | 627                    |
| 200 - 400                    | 1,824          | 0.5            | 148.1                  | 8.0            | 243.4                     | 130.1                  | 213.8          | 4,487                       | 1.1            | 2,227.3         | 11.7                   | 1,577.5        | 21.3                        | 15.1                   | 6,311                     | 169.4            | 2,357.4                | 260                    |
| 400 - 800                    | 989            | 0.3            | 159.7                  | 8.6            | 477.7                     | 176.8                  | 528.6          | 2,232                       | 0.6            | 2,124.3         | 11.1                   | 3,108.8        | 24.7                        | 36.1                   | 3,221                     | 184.4            | 2,301.1                | 108                    |
| 800 - 1,600                  | 551            | 0.2            | 165.2                  | 8.9            | 899.8                     | 201.8                  | 1,099.2        | 955                         | 0.2            | 1,717.0         | 9.0                    | 5,992.8        | 27.5                        | 95.9                   | 1,506                     | 192.7            | 1,918.9                | 46                     |
| 1,600 - 3,200                | 152            | 0.0            | 86.7                   | 4.7            | 1,839.6                   | 99.2                   | 2,106.0        | 395                         | 0.1            | 1,423.6         | 7.5                    | 12,132.3       | 23.0                        | 196.1                  | 547                       | 109.7            | 1,522.9                | 8                      |
| 3,200 - 6,400                | 79             | 0.0            | 93.3                   | 5.0            | 3,752.4                   | 116.0                  | 4,665.9        | 135                         | 0.0            | 968.7           | 5.1                    | 23,604.2       | 17.3                        | 421.4                  | 214                       | 110.6            | 1,084.7                | 4                      |
| 6,400 - 12,800               | 59             | 0.0            | 133.3                  | 7.2            | 7,010.1                   | 211.1                  | 11,101.2       | 46                          | 0.0            | 626.6           | 3.3                    | 44,063.5       | 16.9                        | 1,186.9                | 105                       | 150.2            | 837.7                  | 0                      |
| > 12,800                     | 29             | 0.0            | 132.8                  | 7.2            | 13,767.1                  | 241.5                  | 25,026.1       | 11                          | 0.0            | 288.4           | 1.5                    | 74,589.5       | 12.0                        | 3,114.7                | 40                        | 144.9            | 529.8                  | 0                      |
| <b>Total</b>                 | <b>369,744</b> | <b>100.0</b>   | <b>1,849.3</b>         | <b>100.0</b>   | <b>14.1</b>               | <b>1,803.4</b>         | <b>13.7</b>    | <b>395,763</b>              | <b>100.0</b>   | <b>19,093.8</b> | <b>100.0</b>           | <b>137.0</b>   | <b>231.9</b>                | <b>1.7</b>             | <b>765,507</b>            | <b>2,081.2</b>   | <b>20,897.3</b>        | <b>9,615</b>           |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B4. United States oil and gas well summary statistics, 2003

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                |                             |                |                 |                        |                | Total wells                 |                        |                |                           |                  |                        |                        |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|----------------|-----------------------------|----------------|-----------------|------------------------|----------------|-----------------------------|------------------------|----------------|---------------------------|------------------|------------------------|------------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells  | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMB) | % of oil prod. | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMB) | Annual gas prod. (Bcf) |
| 0 - 1                        | 144,866        | 39.5           | 16.5                 | 0.9            | 0.3                       | 5.4                    | 0.1            | 99,996                      | 24.2           | 85.4            | 0.5                    | 2.4            | 0.8                         | 0.0                    | 244,862        | 17.3                      | 90.8             | 624                    |                        |
| 1 - 2                        | 44,559         | 12.2           | 21.7                 | 1.2            | 1.4                       | 9.0                    | 0.6            | 48,166                      | 11.7           | 143.0           | 0.8                    | 8.3            | 1.4                         | 0.1                    | 92,725         | 23.0                      | 152.0            | 427                    |                        |
| 2 - 4                        | 48,091         | 13.1           | 46.3                 | 2.5            | 2.7                       | 21.4                   | 1.2            | 54,075                      | 13.1           | 316.0           | 1.7                    | 16.4           | 3.3                         | 0.2                    | 102,166        | 49.5                      | 337.4            | 647                    |                        |
| 4 - 6                        | 25,949         | 7.1            | 41.7                 | 2.3            | 4.5                       | 23.7                   | 2.6            | 33,797                      | 8.2            | 334.5           | 1.7                    | 27.8           | 3.6                         | 0.3                    | 59,746         | 45.3                      | 358.2            | 635                    |                        |
| 6 - 8                        | 17,373         | 4.7            | 38.9                 | 2.1            | 6.3                       | 25.7                   | 4.1            | 24,743                      | 6.0            | 344.1           | 1.8                    | 39.2           | 3.7                         | 0.4                    | 42,116         | 42.6                      | 369.8            | 561                    |                        |
| 8 - 10                       | 12,628         | 3.5            | 36.4                 | 2.0            | 8.1                       | 24.2                   | 5.4            | 19,568                      | 4.7            | 351.9           | 1.8                    | 50.8           | 3.6                         | 0.5                    | 32,196         | 40.0                      | 376.0            | 544                    |                        |
| <b>Subtotal &lt;=10</b>      | <b>293,466</b> | <b>80.1</b>    | <b>201.4</b>         | <b>11.0</b>    | <b>1.9</b>                | <b>109.4</b>           | <b>1.0</b>     | <b>280,345</b>              | <b>67.9</b>    | <b>1,574.8</b>  | <b>8.2</b>             | <b>15.8</b>    | <b>16.4</b>                 | <b>0.2</b>             | <b>573,811</b> | <b>217.8</b>              | <b>1,684.2</b>   | <b>3,438</b>           |                        |
| 10 - 12                      | 9,363          | 2.6            | 32.8                 | 1.8            | 9.9                       | 22.2                   | 6.7            | 15,382                      | 3.7            | 337.7           | 1.8                    | 62.1           | 3.4                         | 0.6                    | 24,745         | 36.2                      | 359.8            | 484                    |                        |
| 12 - 15                      | 10,274         | 2.8            | 44.5                 | 2.4            | 12.2                      | 27.8                   | 7.6            | 18,368                      | 4.5            | 496.9           | 2.6                    | 76.5           | 4.5                         | 0.7                    | 28,642         | 48.9                      | 524.6            | 556                    |                        |
| <b>Subtotal &lt;=15</b>      | <b>313,103</b> | <b>85.4</b>    | <b>278.7</b>         | <b>15.2</b>    | <b>2.5</b>                | <b>159.4</b>           | <b>1.4</b>     | <b>314,095</b>              | <b>76.1</b>    | <b>2,409.4</b>  | <b>12.6</b>            | <b>21.5</b>    | <b>24.3</b>                 | <b>0.2</b>             | <b>627,198</b> | <b>302.9</b>              | <b>2,568.7</b>   | <b>4,478</b>           |                        |
| 15 - 20                      | 11,754         | 3.2            | 65.1                 | 3.6            | 15.7                      | 41.3                   | 9.9            | 21,580                      | 5.2            | 753.2           | 3.9                    | 99.0           | 6.3                         | 0.8                    | 33,334         | 71.4                      | 794.5            | 766                    |                        |
| 20 - 25                      | 8,150          | 2.2            | 57.9                 | 3.2            | 20.2                      | 37.2                   | 13.0           | 13,992                      | 3.4            | 626.9           | 3.3                    | 127.6          | 5.2                         | 1.1                    | 22,142         | 63.1                      | 664.1            | 701                    |                        |
| 25 - 30                      | 5,541          | 1.5            | 47.8                 | 2.6            | 24.7                      | 30.5                   | 15.7           | 9,761                       | 2.4            | 531.1           | 2.8                    | 156.1          | 4.5                         | 1.3                    | 15,302         | 52.3                      | 561.6            | 526                    |                        |
| 30 - 40                      | 7,653          | 2.1            | 82.5                 | 4.5            | 31.3                      | 51.8                   | 19.6           | 12,659                      | 3.1            | 860.0           | 4.5                    | 197.1          | 7.2                         | 1.7                    | 20,312         | 89.7                      | 911.8            | 817                    |                        |
| 40 - 50                      | 4,605          | 1.3            | 62.6                 | 3.4            | 40.1                      | 43.2                   | 27.6           | 7,696                       | 1.9            | 667.1           | 3.5                    | 255.1          | 5.5                         | 2.1                    | 12,301         | 68.2                      | 710.3            | 569                    |                        |
| 50 - 100                     | 8,578          | 2.3            | 176.3                | 9.6            | 61.0                      | 130.2                  | 45.0           | 15,992                      | 3.9            | 2,075.3         | 10.8                   | 393.9          | 19.3                        | 3.7                    | 24,570         | 195.7                     | 2,205.5          | 1,340                  |                        |
| <b>Subtotal &lt;=100</b>     | <b>359,384</b> | <b>98.1</b>    | <b>771.0</b>         | <b>42.1</b>    | <b>6.0</b>                | <b>493.5</b>           | <b>3.9</b>     | <b>395,775</b>              | <b>95.9</b>    | <b>7,923.0</b>  | <b>41.3</b>            | <b>56.6</b>    | <b>72.3</b>                 | <b>0.5</b>             | <b>755,159</b> | <b>843.2</b>              | <b>8,416.6</b>   | <b>9,197</b>           |                        |
| 100 - 200                    | 3,463          | 0.9            | 139.2                | 7.6            | 121.1                     | 115.0                  | 100.1          | 8,658                       | 2.1            | 2,138.2         | 11.2                   | 796.9          | 18.0                        | 6.7                    | 12,121         | 157.1                     | 2,253.2          | 643                    |                        |
| 200 - 400                    | 1,804          | 0.5            | 145.9                | 8.0            | 242.2                     | 131.4                  | 218.2          | 4,690                       | 1.1            | 2,244.8         | 11.7                   | 1,575.5        | 20.4                        | 14.3                   | 6,494          | 166.3                     | 2,376.3          | 326                    |                        |
| 400 - 800                    | 963            | 0.3            | 151.3                | 8.3            | 468.2                     | 176.6                  | 546.7          | 2,177                       | 0.5            | 1,984.1         | 10.4                   | 3,035.0        | 26.1                        | 40.0                   | 3,140          | 177.4                     | 2,160.7          | 141                    |                        |
| 800 - 1,600                  | 519            | 0.1            | 154.7                | 8.4            | 893.0                     | 196.5                  | 1,134.3        | 944                         | 0.2            | 1,629.7         | 8.5                    | 5,958.3        | 26.0                        | 95.0                   | 1,463          | 180.7                     | 1,826.2          | 44                     |                        |
| 1,600 - 3,200                | 167            | 0.1            | 96.6                 | 5.3            | 1,783.5                   | 124.7                  | 2,301.9        | 379                         | 0.1            | 1,367.0         | 7.1                    | 12,049.0       | 22.7                        | 199.9                  | 546            | 119.3                     | 1,491.6          | 9                      |                        |
| 3,200 - 6,400                | 95             | 0.0            | 115.1                | 6.3            | 3,767.2                   | 141.3                  | 4,623.7        | 113                         | 0.0            | 890.2           | 4.6                    | 24,916.9       | 12.8                        | 358.9                  | 208            | 127.9                     | 1,031.5          | 6                      |                        |
| 6,400 - 12,800               | 65             | 0.0            | 152.4                | 8.3            | 7,022.9                   | 252.7                  | 11,644.5       | 45                          | 0.0            | 690.6           | 3.6                    | 46,136.2       | 9.9                         | 660.0                  | 110            | 162.3                     | 943.3            | 0                      |                        |
| > 12,800                     | 23             | 0.0            | 106.2                | 5.8            | 13,477.1                  | 173.3                  | 21,990.6       | 10                          | 0.0            | 302.7           | 1.6                    | 87,151.7       | 5.8                         | 1,665.9                | 33             | 112.0                     | 475.9            | 0                      |                        |
| <b>Total</b>                 | <b>366,483</b> | <b>100.0</b>   | <b>1,832.3</b>       | <b>100.0</b>   | <b>14.1</b>               | <b>1,805.0</b>         | <b>13.8</b>    | <b>412,791</b>              | <b>100.0</b>   | <b>19,170.3</b> | <b>100.0</b>           | <b>132.0</b>   | <b>214.0</b>                | <b>1.5</b>             | <b>779,274</b> | <b>2,046.3</b>            | <b>20,975.3</b>  | <b>10,366</b>          |                        |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B5. United States oil and gas well summary statistics, 2004

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 147,618        | 40.1           | 16.9                 | 1.0            | 0.3                       | 5.5                    | 0.1                         | 103,715        | 24.1           | 86.9                   | 0.5            | 2.4                         | 0.9                    | 0.0                       | 251,333          | 17.8                   | 92.4                   | 689                   |
| 1 - 2                        | 44,755         | 12.2           | 22.0                 | 1.2            | 1.4                       | 9.1                    | 0.6                         | 50,167         | 11.6           | 148.6                  | 0.8            | 8.3                         | 1.4                    | 0.1                       | 94,922           | 23.4                   | 157.8                  | 475                   |
| 2 - 4                        | 47,692         | 13.0           | 46.0                 | 2.6            | 2.7                       | 21.3                   | 1.2                         | 56,705         | 13.2           | 332.3                  | 1.7            | 16.4                        | 3.4                    | 0.2                       | 104,397          | 49.4                   | 353.6                  | 783                   |
| 4 - 6                        | 26,324         | 7.2            | 42.5                 | 2.4            | 4.5                       | 24.2                   | 2.6                         | 36,106         | 8.4            | 357.9                  | 1.9            | 27.9                        | 3.9                    | 0.3                       | 62,430           | 46.3                   | 382.1                  | 681                   |
| 6 - 8                        | 16,998         | 4.6            | 38.0                 | 2.2            | 6.2                       | 25.7                   | 4.2                         | 26,400         | 6.1            | 367.6                  | 1.9            | 39.2                        | 4.0                    | 0.4                       | 43,398           | 42.0                   | 393.3                  | 618                   |
| 8 - 10                       | 12,704         | 3.5            | 36.6                 | 2.1            | 8.1                       | 24.4                   | 5.4                         | 20,417         | 4.7            | 368.2                  | 1.9            | 50.8                        | 3.6                    | 0.5                       | 33,121           | 40.2                   | 392.6                  | 555                   |
| <b>Subtotal &lt;=10</b>      | <b>296,091</b> | <b>80.4</b>    | <b>202.0</b>         | <b>11.4</b>    | <b>1.9</b>                | <b>110.3</b>           | <b>1.0</b>                  | <b>293,510</b> | <b>68.1</b>    | <b>1,661.6</b>         | <b>8.7</b>     | <b>15.9</b>                 | <b>17.1</b>            | <b>0.2</b>                | <b>589,601</b>   | <b>219.1</b>           | <b>1,771.9</b>         | <b>3,801</b>          |
| 10 - 12                      | 9,094          | 2.5            | 31.9                 | 1.8            | 9.8                       | 22.0                   | 6.8                         | 16,354         | 3.8            | 361.0                  | 1.9            | 62.3                        | 3.4                    | 0.6                       | 25,448           | 35.2                   | 383.0                  | 468                   |
| 12 - 15                      | 10,376         | 2.8            | 44.7                 | 2.5            | 12.1                      | 28.7                   | 7.8                         | 19,488         | 4.5            | 527.6                  | 2.8            | 76.5                        | 4.7                    | 0.7                       | 29,864           | 49.4                   | 556.3                  | 617                   |
| <b>Subtotal &lt;=15</b>      | <b>315,561</b> | <b>85.7</b>    | <b>278.5</b>         | <b>15.8</b>    | <b>2.5</b>                | <b>161.0</b>           | <b>1.4</b>                  | <b>329,352</b> | <b>76.4</b>    | <b>2,550.2</b>         | <b>13.3</b>    | <b>21.7</b>                 | <b>25.1</b>            | <b>0.2</b>                | <b>644,913</b>   | <b>303.7</b>           | <b>2,711.1</b>         | <b>4,886</b>          |
| 15 - 20                      | 11,915         | 3.2            | 65.9                 | 3.7            | 15.6                      | 42.8                   | 10.2                        | 22,017         | 5.1            | 766.3                  | 4.0            | 98.7                        | 6.5                    | 0.8                       | 33,932           | 72.4                   | 809.1                  | 820                   |
| 20 - 25                      | 8,072          | 2.2            | 57.1                 | 3.2            | 20.1                      | 37.1                   | 13.1                        | 14,209         | 3.3            | 634.3                  | 3.3            | 127.6                       | 5.3                    | 1.1                       | 22,281           | 62.4                   | 671.4                  | 738                   |
| 25 - 30                      | 5,809          | 1.6            | 49.3                 | 2.8            | 24.6                      | 33.4                   | 16.6                        | 9,832          | 2.3            | 534.9                  | 2.8            | 156.2                       | 4.5                    | 1.3                       | 15,641           | 53.9                   | 568.2                  | 608                   |
| 30 - 40                      | 7,392          | 2.0            | 79.8                 | 4.5            | 31.3                      | 51.3                   | 20.1                        | 13,063         | 3.0            | 887.0                  | 4.6            | 197.0                       | 7.6                    | 1.7                       | 20,455           | 87.4                   | 938.4                  | 887                   |
| 40 - 50                      | 4,492          | 1.2            | 61.3                 | 3.5            | 40.0                      | 42.0                   | 27.5                        | 7,973          | 1.9            | 691.2                  | 3.6            | 254.9                       | 5.7                    | 2.1                       | 12,465           | 67.0                   | 733.2                  | 649                   |
| 50 - 100                     | 8,179          | 2.2            | 166.5                | 9.4            | 60.8                      | 125.1                  | 45.7                        | 16,751         | 3.9            | 2,183.7                | 11.4           | 395.8                       | 19.5                   | 3.5                       | 24,930           | 186.0                  | 2,308.8                | 1,457                 |
| <b>Subtotal &lt;=100</b>     | <b>361,420</b> | <b>98.1</b>    | <b>758.4</b>         | <b>42.9</b>    | <b>5.9</b>                | <b>492.7</b>           | <b>3.8</b>                  | <b>413,197</b> | <b>95.9</b>    | <b>8,247.6</b>         | <b>43.2</b>    | <b>56.4</b>                 | <b>74.3</b>            | <b>0.5</b>                | <b>774,617</b>   | <b>832.7</b>           | <b>8,740.3</b>         | <b>10,045</b>         |
| 100 - 200                    | 3,366          | 0.9            | 135.6                | 7.7            | 121.3                     | 113.1                  | 101.2                       | 9,575          | 2.2            | 2,335.8                | 12.2           | 794.8                       | 19.5                   | 6.6                       | 12,941           | 155.1                  | 2,448.9                | 822                   |
| 200 - 400                    | 1,761          | 0.5            | 143.2                | 8.1            | 244.3                     | 127.9                  | 218.3                       | 4,849          | 1.1            | 2,302.8                | 12.1           | 1,561.7                     | 22.6                   | 15.4                      | 6,610            | 165.8                  | 2,430.7                | 528                   |
| 400 - 800                    | 935            | 0.3            | 146.7                | 8.3            | 471.1                     | 161.7                  | 519.4                       | 2,120          | 0.5            | 1,886.8                | 9.9            | 3,034.1                     | 25.3                   | 40.6                      | 3,055            | 172.0                  | 2,048.5                | 161                   |
| 800 - 1,600                  | 487            | 0.1            | 139.3                | 7.9            | 877.6                     | 187.3                  | 1,180.5                     | 844            | 0.2            | 1,471.6                | 7.7            | 6,071.9                     | 20.5                   | 84.7                      | 1,331            | 159.8                  | 1,659.0                | 38                    |
| 1,600 - 3,200                | 181            | 0.1            | 103.8                | 5.9            | 1,797.1                   | 138.3                  | 2,393.5                     | 285            | 0.1            | 1,054.3                | 5.5            | 12,014.8                    | 17.6                   | 200.7                     | 466              | 121.5                  | 1,192.6                | 9                     |
| 3,200 - 6,400                | 93             | 0.0            | 114.2                | 6.5            | 3,750.4                   | 175.7                  | 5,769.4                     | 114            | 0.0            | 822.0                  | 4.3            | 22,932.2                    | 12.5                   | 349.6                     | 207              | 126.7                  | 997.7                  | 7                     |
| 6,400 - 12,800               | 62             | 0.0            | 143.4                | 8.1            | 7,423.9                   | 213.2                  | 11,037.6                    | 49             | 0.0            | 783.4                  | 4.1            | 49,012.4                    | 14.1                   | 879.1                     | 111              | 157.4                  | 996.6                  | 0                     |
| > 12,800                     | 20             | 0.0            | 82.0                 | 4.6            | 12,215.2                  | 156.0                  | 23,229.8                    | 6              | 0.0            | 205.7                  | 1.1            | 99,202.8                    | 2.8                    | 1,339.0                   | 26               | 84.8                   | 361.7                  | 0                     |
| <b>Total</b>                 | <b>368,325</b> | <b>100.0</b>   | <b>1,766.4</b>       | <b>100.0</b>   | <b>13.5</b>               | <b>1,765.8</b>         | <b>13.5</b>                 | <b>431,039</b> | <b>100.0</b>   | <b>19,110.1</b>        | <b>100.0</b>   | <b>126.1</b>                | <b>209.3</b>           | <b>1.4</b>                | <b>799,364</b>   | <b>1,975.7</b>         | <b>20,875.9</b>        | <b>11,610</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B6. United States oil and gas well summary statistics, 2005

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                |                             |                |                 |                        |                | Total wells                 |                        |                |                           |                  |                        |                        |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|----------------|-----------------------------|----------------|-----------------|------------------------|----------------|-----------------------------|------------------------|----------------|---------------------------|------------------|------------------------|------------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells  | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) |
| 0 - 1                        | 149,338        | 40.2           | 16.9                 | 1.0            | 0.3                       | 5.8                    | 0.1            | 108,149                     | 24.0           | 89.6            | 0.5                    | 2.3            | 0.9                         | 0.0                    | 257,487        | 17.8                      | 95.4             | 745                    |                        |
| 1 - 2                        | 45,480         | 12.2           | 22.2                 | 1.3            | 1.4                       | 9.3                    | 0.6            | 52,267                      | 11.6           | 155.0           | 0.8                    | 8.3            | 1.4                         | 0.1                    | 97,747         | 23.6                      | 164.2            | 541                    |                        |
| 2 - 4                        | 48,383         | 13.0           | 46.4                 | 2.8            | 2.7                       | 22.1                   | 1.3            | 59,867                      | 13.3           | 349.8           | 1.9                    | 16.4           | 3.5                         | 0.2                    | 108,250        | 49.9                      | 371.9            | 897                    |                        |
| 4 - 6                        | 26,587         | 7.2            | 42.5                 | 2.5            | 4.5                       | 25.2                   | 2.7            | 38,835                      | 8.6            | 384.7           | 2.1                    | 28.0           | 4.0                         | 0.3                    | 65,422         | 46.4                      | 410.0            | 741                    |                        |
| 6 - 8                        | 17,255         | 4.6            | 38.4                 | 2.3            | 6.2                       | 26.1                   | 4.2            | 27,906                      | 6.2            | 388.3           | 2.1                    | 39.3           | 3.9                         | 0.4                    | 45,161         | 42.4                      | 414.5            | 685                    |                        |
| 8 - 10                       | 12,702         | 3.4            | 36.4                 | 2.2            | 8.0                       | 24.8                   | 5.5            | 21,995                      | 4.9            | 395.7           | 2.1                    | 50.8           | 3.8                         | 0.5                    | 34,697         | 40.1                      | 420.5            | 582                    |                        |
| <b>Subtotal &lt;=10</b>      | <b>299,745</b> | <b>80.6</b>    | <b>202.8</b>         | <b>12.1</b>    | <b>1.9</b>                | <b>113.3</b>           | <b>1.1</b>     | <b>309,019</b>              | <b>68.5</b>    | <b>1,763.1</b>  | <b>9.4</b>             | <b>16.1</b>    | <b>17.5</b>                 | <b>0.2</b>             | <b>608,764</b> | <b>220.3</b>              | <b>1,876.4</b>   | <b>4,191</b>           |                        |
| 10 - 12                      | 9,472          | 2.6            | 33.0                 | 2.0            | 9.8                       | 22.8                   | 6.8            | 17,573                      | 3.9            | 386.3           | 2.1                    | 62.3           | 3.6                         | 0.6                    | 27,045         | 36.5                      | 409.1            | 551                    |                        |
| 12 - 15                      | 10,645         | 2.9            | 45.0                 | 2.7            | 12.1                      | 29.9                   | 8.0            | 19,904                      | 4.4            | 537.1           | 2.9                    | 76.5           | 4.8                         | 0.7                    | 30,549         | 49.8                      | 567.0            | 676                    |                        |
| <b>Subtotal &lt;=15</b>      | <b>319,862</b> | <b>86.0</b>    | <b>280.8</b>         | <b>16.7</b>    | <b>2.5</b>                | <b>165.9</b>           | <b>1.5</b>     | <b>346,496</b>              | <b>76.8</b>    | <b>2,686.5</b>  | <b>14.4</b>            | <b>21.8</b>    | <b>25.8</b>                 | <b>0.2</b>             | <b>666,358</b> | <b>306.6</b>              | <b>2,852.4</b>   | <b>5,418</b>           |                        |
| 15 - 20                      | 12,005         | 3.2            | 65.9                 | 3.9            | 15.6                      | 43.2                   | 10.2           | 22,454                      | 5.0            | 776.1           | 4.2                    | 98.6           | 6.8                         | 0.9                    | 34,459         | 72.7                      | 819.3            | 991                    |                        |
| 20 - 25                      | 7,953          | 2.1            | 55.7                 | 3.3            | 20.1                      | 37.0                   | 13.4           | 14,545                      | 3.2            | 645.3           | 3.5                    | 127.5          | 5.5                         | 1.1                    | 22,498         | 61.2                      | 682.4            | 819                    |                        |
| 25 - 30                      | 5,713          | 1.5            | 48.8                 | 2.9            | 24.6                      | 32.6                   | 16.4           | 10,040                      | 2.2            | 544.2           | 2.9                    | 156.4          | 4.5                         | 1.3                    | 15,753         | 53.3                      | 576.8            | 697                    |                        |
| 30 - 40                      | 7,499          | 2.0            | 79.3                 | 4.7            | 31.0                      | 54.5                   | 21.3           | 13,383                      | 3.0            | 906.0           | 4.8                    | 197.3          | 7.5                         | 1.6                    | 20,882         | 86.7                      | 960.4            | 1,006                  |                        |
| 40 - 50                      | 4,337          | 1.2            | 58.0                 | 3.4            | 39.8                      | 41.8                   | 28.7           | 8,267                       | 1.8            | 714.1           | 3.8                    | 255.7          | 5.7                         | 2.1                    | 12,604         | 63.7                      | 755.9            | 693                    |                        |
| 50 - 100                     | 8,018          | 2.2            | 161.5                | 9.6            | 60.8                      | 123.3                  | 46.4           | 17,567                      | 3.9            | 2,293.0         | 12.3                   | 398.9          | 18.5                        | 3.2                    | 25,585         | 180.0                     | 2,416.3          | 1,757                  |                        |
| <b>Subtotal &lt;=100</b>     | <b>365,387</b> | <b>98.2</b>    | <b>750.0</b>         | <b>44.6</b>    | <b>5.8</b>                | <b>498.3</b>           | <b>3.8</b>     | <b>432,752</b>              | <b>95.9</b>    | <b>8,565.2</b>  | <b>45.8</b>            | <b>56.2</b>    | <b>74.3</b>                 | <b>0.5</b>             | <b>798,139</b> | <b>824.3</b>              | <b>9,063.5</b>   | <b>11,381</b>          |                        |
| 100 - 200                    | 3,242          | 0.9            | 130.9                | 7.8            | 122.6                     | 104.5                  | 98.0           | 10,421                      | 2.3            | 2,511.0         | 13.4                   | 795.4          | 20.6                        | 6.5                    | 13,663         | 151.5                     | 2,615.5          | 1,264                  |                        |
| 200 - 400                    | 1,680          | 0.5            | 134.7                | 8.0            | 241.8                     | 116.0                  | 208.2          | 5,013                       | 1.1            | 2,324.0         | 12.4                   | 1,560.8        | 20.9                        | 14.0                   | 6,693          | 155.5                     | 2,439.9          | 740                    |                        |
| 400 - 800                    | 887            | 0.2            | 140.4                | 8.3            | 470.3                     | 155.3                  | 520.3          | 1,929                       | 0.4            | 1,683.4         | 9.0                    | 3,032.6        | 21.3                        | 38.4                   | 2,816          | 161.7                     | 1,838.7          | 200                    |                        |
| 800 - 1,600                  | 442            | 0.1            | 133.5                | 7.9            | 896.8                     | 176.1                  | 1,183.0        | 703                         | 0.2            | 1,229.3         | 6.6                    | 6,159.7        | 17.4                        | 87.2                   | 1,145          | 150.9                     | 1,405.4          | 45                     |                        |
| 1,600 - 3,200                | 163            | 0.0            | 94.8                 | 5.6            | 1,840.6                   | 125.9                  | 2,444.7        | 235                         | 0.1            | 841.7           | 4.5                    | 11,923.3       | 12.1                        | 171.9                  | 398            | 106.9                     | 967.6            | 13                     |                        |
| 3,200 - 6,400                | 95             | 0.0            | 114.0                | 6.8            | 3,612.9                   | 163.2                  | 5,171.7        | 87                          | 0.0            | 677.1           | 3.6                    | 23,442.3       | 10.3                        | 356.9                  | 182            | 124.3                     | 840.3            | 6                      |                        |
| 6,400 - 12,800               | 41             | 0.0            | 100.4                | 6.0            | 7,061.3                   | 134.8                  | 9,479.0        | 41                          | 0.0            | 680.8           | 3.6                    | 48,624.0       | 11.1                        | 790.8                  | 82             | 111.5                     | 815.5            | 0                      |                        |
| > 12,800                     | 19             | 0.0            | 84.5                 | 5.0            | 12,918.6                  | 140.4                  | 21,457.4       | 8                           | 0.0            | 200.5           | 1.1                    | 72,471.4       | 9.6                         | 3,471.6                | 27             | 94.1                      | 340.9            | 0                      |                        |
| <b>Total</b>                 | <b>371,956</b> | <b>100.0</b>   | <b>1,683.2</b>       | <b>100.0</b>   | <b>12.7</b>               | <b>1,614.4</b>         | <b>12.2</b>    | <b>451,189</b>              | <b>100.0</b>   | <b>18,713.0</b> | <b>100.0</b>           | <b>118.4</b>   | <b>197.5</b>                | <b>1.3</b>             | <b>823,145</b> | <b>1,880.7</b>            | <b>20,327.4</b>  | <b>13,649</b>          |                        |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B7. United States oil and gas well summary statistics, 2006

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 150,616        | 40.0           | 17.3                 | 1.1            | 0.3                       | 5.9                    | 0.1                         | 115,264        | 24.0           | 95.9                   | 0.5            | 2.4                         | 0.9                    | 0.0                       | 265,880          | 18.2                   | 101.9                  | 835                   |
| 1 - 2                        | 46,686         | 12.4           | 22.7                 | 1.4            | 1.4                       | 9.5                    | 0.6                         | 55,555         | 11.6           | 164.3                  | 0.9            | 8.3                         | 1.5                    | 0.1                       | 102,241          | 24.2                   | 173.8                  | 566                   |
| 2 - 4                        | 49,175         | 13.1           | 47.0                 | 2.9            | 2.7                       | 22.1                   | 1.3                         | 63,932         | 13.3           | 373.7                  | 1.9            | 16.5                        | 3.6                    | 0.2                       | 113,107          | 50.6                   | 395.8                  | 952                   |
| 4 - 6                        | 27,604         | 7.3            | 43.6                 | 2.7            | 4.5                       | 26.9                   | 2.8                         | 41,496         | 8.7            | 410.0                  | 2.1            | 27.9                        | 4.2                    | 0.3                       | 69,100           | 47.7                   | 436.9                  | 842                   |
| 6 - 8                        | 17,942         | 4.8            | 39.7                 | 2.4            | 6.2                       | 27.6                   | 4.3                         | 30,239         | 6.3            | 420.4                  | 2.2            | 39.4                        | 4.2                    | 0.4                       | 48,181           | 43.9                   | 448.0                  | 752                   |
| 8 - 10                       | 12,704         | 3.4            | 36.0                 | 2.2            | 8.0                       | 24.6                   | 5.5                         | 23,445         | 4.9            | 420.2                  | 2.2            | 50.8                        | 3.9                    | 0.5                       | 36,149           | 39.9                   | 444.8                  | 665                   |
| <b>Subtotal &lt;=10</b>      | <b>304,727</b> | <b>80.9</b>    | <b>206.2</b>         | <b>12.6</b>    | <b>1.9</b>                | <b>116.6</b>           | <b>1.1</b>                  | <b>329,931</b> | <b>68.8</b>    | <b>1,884.5</b>         | <b>9.8</b>     | <b>16.1</b>                 | <b>18.2</b>            | <b>0.2</b>                | <b>634,658</b>   | <b>224.4</b>           | <b>2,001.2</b>         | <b>4,612</b>          |
| 10 - 12                      | 9,546          | 2.5            | 33.0                 | 2.0            | 9.8                       | 23.5                   | 7.0                         | 18,408         | 3.8            | 405.8                  | 2.1            | 62.4                        | 3.6                    | 0.6                       | 27,954           | 36.7                   | 429.3                  | 586                   |
| 12 - 15                      | 10,729         | 2.9            | 45.6                 | 2.8            | 12.1                      | 30.7                   | 8.1                         | 21,086         | 4.4            | 567.7                  | 3.0            | 76.4                        | 5.1                    | 0.7                       | 31,815           | 50.7                   | 598.4                  | 844                   |
| <b>Subtotal &lt;=15</b>      | <b>325,002</b> | <b>86.3</b>    | <b>284.9</b>         | <b>17.4</b>    | <b>2.5</b>                | <b>170.8</b>           | <b>1.5</b>                  | <b>369,425</b> | <b>77.1</b>    | <b>2,858.1</b>         | <b>14.9</b>    | <b>21.9</b>                 | <b>26.9</b>            | <b>0.2</b>                | <b>694,427</b>   | <b>311.8</b>           | <b>3,028.9</b>         | <b>6,042</b>          |
| 15 - 20                      | 12,100         | 3.2            | 66.2                 | 4.0            | 15.6                      | 42.8                   | 10.1                        | 23,023         | 4.8            | 795.7                  | 4.1            | 98.6                        | 7.1                    | 0.9                       | 35,123           | 73.3                   | 838.5                  | 1,139                 |
| 20 - 25                      | 8,070          | 2.1            | 56.1                 | 3.4            | 20.1                      | 38.1                   | 13.6                        | 15,008         | 3.1            | 665.8                  | 3.5            | 127.4                       | 5.7                    | 1.1                       | 23,078           | 61.9                   | 703.9                  | 929                   |
| 25 - 30                      | 5,660          | 1.5            | 47.7                 | 2.9            | 24.5                      | 33.0                   | 17.0                        | 10,557         | 2.2            | 570.2                  | 3.0            | 156.4                       | 4.6                    | 1.3                       | 16,217           | 52.3                   | 603.3                  | 785                   |
| 30 - 40                      | 7,462          | 2.0            | 78.0                 | 4.8            | 30.8                      | 55.3                   | 21.8                        | 13,867         | 2.9            | 938.3                  | 4.9            | 197.3                       | 7.9                    | 1.7                       | 21,329           | 86.0                   | 993.7                  | 1,169                 |
| 40 - 50                      | 4,207          | 1.1            | 55.5                 | 3.4            | 39.6                      | 42.0                   | 30.0                        | 8,741          | 1.8            | 752.8                  | 3.9            | 254.6                       | 6.6                    | 2.2                       | 12,948           | 62.0                   | 794.9                  | 864                   |
| 50 - 100                     | 7,758          | 2.1            | 155.8                | 9.5            | 60.8                      | 119.2                  | 46.5                        | 19,195         | 4.0            | 2,495.4                | 13.0           | 399.0                       | 20.4                   | 3.3                       | 26,953           | 176.1                  | 2,614.6                | 2,424                 |
| <b>Subtotal &lt;=100</b>     | <b>370,259</b> | <b>98.3</b>    | <b>744.2</b>         | <b>45.3</b>    | <b>5.7</b>                | <b>501.3</b>           | <b>3.8</b>                  | <b>459,816</b> | <b>95.9</b>    | <b>9,076.5</b>         | <b>47.2</b>    | <b>56.2</b>                 | <b>79.2</b>            | <b>0.5</b>                | <b>830,075</b>   | <b>823.4</b>           | <b>9,577.8</b>         | <b>13,352</b>         |
| 100 - 200                    | 3,194          | 0.9            | 128.1                | 7.8            | 121.4                     | 108.1                  | 102.5                       | 11,516         | 2.4            | 2,763.4                | 14.4           | 796.2                       | 21.3                   | 6.1                       | 14,710           | 149.4                  | 2,871.4                | 1,913                 |
| 200 - 400                    | 1,657          | 0.4            | 131.3                | 8.0            | 241.5                     | 122.2                  | 224.7                       | 5,204          | 1.1            | 2,348.4                | 12.2           | 1,546.7                     | 21.1                   | 13.9                      | 6,861            | 152.4                  | 2,470.5                | 990                   |
| 400 - 800                    | 887            | 0.2            | 136.9                | 8.3            | 464.3                     | 155.8                  | 528.6                       | 1,776          | 0.4            | 1,503.4                | 7.8            | 3,073.7                     | 18.8                   | 38.3                      | 2,663            | 155.6                  | 1,659.3                | 254                   |
| 800 - 1,600                  | 373            | 0.1            | 108.7                | 6.6            | 881.1                     | 154.7                  | 1,254.1                     | 685            | 0.1            | 1,195.9                | 6.2            | 6,074.7                     | 17.3                   | 87.8                      | 1,058            | 126.0                  | 1,350.5                | 52                    |
| 1,600 - 3,200                | 166            | 0.0            | 102.3                | 6.2            | 1,868.7                   | 129.6                  | 2,366.4                     | 249            | 0.1            | 913.3                  | 4.7            | 11,934.0                    | 14.5                   | 190.0                     | 415              | 116.8                  | 1,042.8                | 15                    |
| 3,200 - 6,400                | 95             | 0.0            | 113.1                | 6.9            | 3,649.1                   | 149.0                  | 4,809.7                     | 88             | 0.0            | 675.9                  | 3.5            | 24,348.2                    | 10.1                   | 364.5                     | 183              | 123.2                  | 824.9                  | 7                     |
| 6,400 - 12,800               | 47             | 0.0            | 110.5                | 6.7            | 7,026.0                   | 150.6                  | 9,569.8                     | 40             | 0.0            | 601.0                  | 3.1            | 45,195.4                    | 11.9                   | 893.9                     | 87               | 122.4                  | 751.6                  | 0                     |
| > 12,800                     | 13             | 0.0            | 66.3                 | 4.0            | 13,962.2                  | 94.5                   | 19,911.9                    | 6              | 0.0            | 174.1                  | 0.9            | 81,676.2                    | 6.3                    | 2,954.4                   | 19               | 72.5                   | 268.5                  | 0                     |
| <b>Total</b>                 | <b>376,691</b> | <b>100.0</b>   | <b>1,641.3</b>       | <b>100.0</b>   | <b>12.3</b>               | <b>1,565.7</b>         | <b>11.7</b>                 | <b>479,380</b> | <b>100.0</b>   | <b>19,251.7</b>        | <b>100.0</b>   | <b>115.0</b>                | <b>200.5</b>           | <b>1.2</b>                | <b>856,071</b>   | <b>1,841.8</b>         | <b>20,817.4</b>        | <b>16,583</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.



Table B8. United States oil and gas well summary statistics, 2007

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMB) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMB) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 147,909        | 39.5           | 17.2                 | 1.1            | 0.3                       | 5.5                    | 0.1                         | 116,443        | 23.4           | 98.0                   | 0.5            | 2.4                         | 0.9                    | 0.0                       | 264,352          | 18.1                   | 103.5                  | 954                   |
| 1 - 2                        | 46,507         | 12.4           | 22.7                 | 1.4            | 1.4                       | 9.3                    | 0.6                         | 56,809         | 11.4           | 168.9                  | 0.9            | 8.3                         | 1.5                    | 0.1                       | 103,316          | 24.2                   | 178.1                  | 663                   |
| 2 - 4                        | 49,442         | 13.2           | 47.2                 | 2.9            | 2.7                       | 22.6                   | 1.3                         | 66,932         | 13.5           | 393.7                  | 2.0            | 16.5                        | 3.7                    | 0.2                       | 116,374          | 50.9                   | 416.3                  | 1,115                 |
| 4 - 6                        | 27,280         | 7.3            | 43.3                 | 2.6            | 4.5                       | 27.3                   | 2.8                         | 44,157         | 8.9            | 439.0                  | 2.2            | 28.0                        | 4.3                    | 0.3                       | 71,437           | 47.6                   | 466.2                  | 964                   |
| 6 - 8                        | 17,990         | 4.8            | 39.8                 | 2.4            | 6.2                       | 27.5                   | 4.3                         | 32,216         | 6.5            | 450.4                  | 2.3            | 39.4                        | 4.3                    | 0.4                       | 50,206           | 44.1                   | 477.9                  | 866                   |
| 8 - 10                       | 13,070         | 3.5            | 37.3                 | 2.3            | 8.0                       | 25.4                   | 5.5                         | 24,905         | 5.0            | 448.7                  | 2.3            | 50.9                        | 4.1                    | 0.5                       | 37,975           | 41.4                   | 474.0                  | 793                   |
| <b>Subtotal &lt;=10</b>      | <b>302,198</b> | <b>80.6</b>    | <b>207.6</b>         | <b>12.7</b>    | <b>1.9</b>                | <b>117.5</b>           | <b>1.1</b>                  | <b>341,462</b> | <b>68.7</b>    | <b>1,998.6</b>         | <b>10.0</b>    | <b>16.5</b>                 | <b>18.7</b>            | <b>0.2</b>                | <b>643,660</b>   | <b>226.3</b>           | <b>2,116.1</b>         | <b>5,355</b>          |
| 10 - 12                      | 9,415          | 2.5            | 32.6                 | 2.0            | 9.8                       | 23.1                   | 6.9                         | 19,199         | 3.9            | 423.9                  | 2.1            | 62.5                        | 3.8                    | 0.6                       | 28,614           | 36.4                   | 447.0                  | 714                   |
| 12 - 15                      | 10,890         | 2.9            | 46.5                 | 2.8            | 12.1                      | 31.0                   | 8.1                         | 21,227         | 4.3            | 572.2                  | 2.9            | 76.4                        | 5.1                    | 0.7                       | 32,117           | 51.6                   | 603.1                  | 941                   |
| <b>Subtotal &lt;=15</b>      | <b>322,503</b> | <b>86.1</b>    | <b>286.7</b>         | <b>17.5</b>    | <b>2.5</b>                | <b>171.6</b>           | <b>1.5</b>                  | <b>381,888</b> | <b>76.8</b>    | <b>2,994.6</b>         | <b>15.0</b>    | <b>22.1</b>                 | <b>27.6</b>            | <b>0.2</b>                | <b>704,391</b>   | <b>314.3</b>           | <b>3,166.2</b>         | <b>7,010</b>          |
| 15 - 20                      | 12,110         | 3.2            | 66.4                 | 4.1            | 15.6                      | 43.8                   | 10.3                        | 23,332         | 4.7            | 807.7                  | 4.0            | 98.6                        | 7.1                    | 0.9                       | 35,442           | 73.5                   | 851.5                  | 1,309                 |
| 20 - 25                      | 8,051          | 2.2            | 56.0                 | 3.4            | 20.1                      | 38.6                   | 13.8                        | 15,087         | 3.0            | 672.4                  | 3.4            | 127.3                       | 5.9                    | 1.1                       | 23,138           | 61.9                   | 711.0                  | 1,090                 |
| 25 - 30                      | 5,629          | 1.5            | 47.3                 | 2.9            | 24.4                      | 33.9                   | 17.5                        | 10,757         | 2.2            | 583.2                  | 2.9            | 156.3                       | 5.0                    | 1.3                       | 16,386           | 52.3                   | 617.1                  | 927                   |
| 30 - 40                      | 7,414          | 2.0            | 77.3                 | 4.7            | 30.8                      | 55.3                   | 22.0                        | 14,510         | 2.9            | 984.8                  | 4.9            | 197.2                       | 8.6                    | 1.7                       | 21,924           | 85.9                   | 1,040.1                | 1,428                 |
| 40 - 50                      | 4,304          | 1.2            | 56.6                 | 3.5            | 39.5                      | 44.7                   | 31.2                        | 9,183          | 1.9            | 793.5                  | 4.0            | 255.1                       | 6.8                    | 2.2                       | 13,487           | 63.4                   | 838.2                  | 1,099                 |
| 50 - 100                     | 7,890          | 2.1            | 156.7                | 9.6            | 60.5                      | 124.3                  | 48.0                        | 20,864         | 4.2            | 2,727.8                | 13.7           | 399.8                       | 22.0                   | 3.2                       | 28,754           | 178.7                  | 2,852.2                | 3,390                 |
| <b>Subtotal &lt;=100</b>     | <b>367,901</b> | <b>98.2</b>    | <b>747.1</b>         | <b>45.6</b>    | <b>5.7</b>                | <b>512.2</b>           | <b>3.9</b>                  | <b>475,621</b> | <b>95.7</b>    | <b>9,564.1</b>         | <b>47.9</b>    | <b>57.1</b>                 | <b>82.9</b>            | <b>0.5</b>                | <b>843,522</b>   | <b>830.0</b>           | <b>10,076.3</b>        | <b>16,253</b>         |
| 100 - 200                    | 3,477          | 0.9            | 135.4                | 8.3            | 120.4                     | 120.6                  | 107.2                       | 12,703         | 2.6            | 3,046.5                | 15.3           | 799.6                       | 22.2                   | 5.8                       | 16,180           | 157.6                  | 3,167.1                | 2,927                 |
| 200 - 400                    | 1,761          | 0.5            | 141.1                | 8.6            | 240.6                     | 134.0                  | 228.5                       | 5,587          | 1.1            | 2,383.5                | 11.9           | 1,539.5                     | 22.7                   | 14.6                      | 7,348            | 163.8                  | 2,517.5                | 1,596                 |
| 400 - 800                    | 936            | 0.3            | 143.6                | 8.8            | 458.2                     | 172.1                  | 549.2                       | 1,984          | 0.4            | 1,605.6                | 8.0            | 3,042.3                     | 19.6                   | 37.1                      | 2,920            | 163.2                  | 1,777.7                | 408                   |
| 800 - 1,600                  | 381            | 0.1            | 111.1                | 6.8            | 895.2                     | 149.7                  | 1,206.4                     | 699            | 0.1            | 1,173.5                | 5.9            | 6,020.4                     | 16.3                   | 83.6                      | 1,080            | 127.4                  | 1,323.2                | 60                    |
| 1,600 - 3,200                | 163            | 0.0            | 97.8                 | 6.0            | 1,843.6                   | 127.6                  | 2,404.5                     | 225            | 0.1            | 827.9                  | 4.1            | 12,015.5                    | 13.0                   | 189.1                     | 388              | 110.9                  | 955.5                  | 11                    |
| 3,200 - 6,400                | 85             | 0.0            | 98.3                 | 6.0            | 3,657.7                   | 128.9                  | 4,794.6                     | 89             | 0.0            | 679.3                  | 3.4            | 24,181.5                    | 10.5                   | 374.6                     | 174              | 108.8                  | 808.1                  | 10                    |
| 6,400 - 12,800               | 49             | 0.0            | 119.9                | 7.3            | 7,364.1                   | 163.1                  | 10,017.7                    | 49             | 0.0            | 608.8                  | 3.1            | 45,550.4                    | 10.9                   | 816.4                     | 98               | 130.8                  | 771.9                  | 0                     |
| > 12,800                     | 9              | 0.0            | 44.5                 | 2.7            | 14,192.8                  | 53.9                   | 17,205.3                    | 3              | 0.0            | 89.7                   | 0.5            | 81,903.3                    | 3.1                    | 2,799.4                   | 12               | 47.5                   | 143.6                  | 0                     |
| <b>Total</b>                 | <b>374,762</b> | <b>100.0</b>   | <b>1,638.7</b>       | <b>100.0</b>   | <b>12.3</b>               | <b>1,562.1</b>         | <b>11.7</b>                 | <b>496,960</b> | <b>100.0</b>   | <b>19,978.8</b>        | <b>100.0</b>   | <b>114.9</b>                | <b>201.2</b>           | <b>1.2</b>                | <b>871,722</b>   | <b>1,839.9</b>         | <b>21,540.8</b>        | <b>21,265</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B9. United States oil and gas well summary statistics, 2008

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 155,220        | 39.7           | 18.0                 | 1.1            | 0.3                       | 6.4                    | 0.1                         | 130,647        | 24.3           | 107.7                  | 0.5            | 2.3                         | 1.0                    | 0.0                       | 285,867          | 19.0                   | 114.2                  | 1,069                 |
| 1 - 2                        | 49,665         | 12.7           | 24.0                 | 1.5            | 1.4                       | 10.9                   | 0.6                         | 62,640         | 11.6           | 186.4                  | 0.9            | 8.3                         | 1.6                    | 0.1                       | 112,305          | 25.6                   | 197.3                  | 741                   |
| 2 - 4                        | 51,048         | 13.0           | 48.7                 | 3.0            | 2.7                       | 24.7                   | 1.4                         | 73,384         | 13.6           | 432.9                  | 2.1            | 16.5                        | 4.0                    | 0.2                       | 124,432          | 52.7                   | 457.6                  | 1,162                 |
| 4 - 6                        | 28,402         | 7.3            | 44.9                 | 2.8            | 4.4                       | 29.0                   | 2.9                         | 47,455         | 8.8            | 473.6                  | 2.2            | 28.0                        | 4.6                    | 0.3                       | 75,857           | 49.5                   | 502.7                  | 1,095                 |
| 6 - 8                        | 18,577         | 4.8            | 41.2                 | 2.6            | 6.3                       | 27.9                   | 4.2                         | 34,406         | 6.4            | 484.9                  | 2.3            | 39.6                        | 4.4                    | 0.4                       | 52,983           | 45.6                   | 512.8                  | 1,085                 |
| 8 - 10                       | 13,002         | 3.3            | 36.9                 | 2.3            | 8.0                       | 25.9                   | 5.6                         | 25,507         | 4.7            | 462.8                  | 2.2            | 50.9                        | 4.2                    | 0.5                       | 38,509           | 41.2                   | 488.7                  | 948                   |
| <b>Subtotal &lt;=10</b>      | <b>315,914</b> | <b>80.7</b>    | <b>213.6</b>         | <b>13.2</b>    | <b>1.9</b>                | <b>124.8</b>           | <b>1.1</b>                  | <b>374,039</b> | <b>69.5</b>    | <b>2,148.3</b>         | <b>10.2</b>    | <b>16.1</b>                 | <b>20.0</b>            | <b>0.2</b>                | <b>689,953</b>   | <b>233.6</b>           | <b>2,273.2</b>         | <b>6,100</b>          |
| 10 - 12                      | 10,118         | 2.6            | 35.0                 | 2.2            | 9.8                       | 24.2                   | 6.8                         | 19,528         | 3.6            | 434.0                  | 2.1            | 62.4                        | 3.9                    | 0.6                       | 29,646           | 38.9                   | 458.2                  | 805                   |
| 12 - 15                      | 11,080         | 2.8            | 47.1                 | 2.9            | 12.1                      | 31.5                   | 8.1                         | 21,678         | 4.0            | 586.3                  | 2.8            | 76.3                        | 5.5                    | 0.7                       | 32,758           | 52.6                   | 617.9                  | 1,158                 |
| <b>Subtotal &lt;=15</b>      | <b>337,112</b> | <b>86.1</b>    | <b>295.8</b>         | <b>18.3</b>    | <b>2.5</b>                | <b>180.5</b>           | <b>1.5</b>                  | <b>415,245</b> | <b>77.1</b>    | <b>3,168.7</b>         | <b>15.0</b>    | <b>21.4</b>                 | <b>29.3</b>            | <b>0.2</b>                | <b>752,357</b>   | <b>325.1</b>           | <b>3,349.2</b>         | <b>8,063</b>          |
| 15 - 20                      | 12,416         | 3.2            | 67.2                 | 4.2            | 15.5                      | 46.0                   | 10.6                        | 24,252         | 4.5            | 842.0                  | 4.0            | 98.6                        | 7.5                    | 0.9                       | 36,668           | 74.8                   | 888.0                  | 1,616                 |
| 20 - 25                      | 8,448          | 2.2            | 58.5                 | 3.6            | 20.0                      | 40.7                   | 13.9                        | 15,979         | 3.0            | 715.3                  | 3.4            | 127.3                       | 6.4                    | 1.1                       | 24,427           | 64.9                   | 756.0                  | 1,504                 |
| 25 - 30                      | 5,897          | 1.5            | 49.1                 | 3.0            | 24.4                      | 35.4                   | 17.6                        | 11,432         | 2.1            | 621.2                  | 2.9            | 155.9                       | 5.5                    | 1.4                       | 17,329           | 54.5                   | 656.7                  | 1,134                 |
| 30 - 40                      | 7,600          | 1.9            | 78.4                 | 4.9            | 30.7                      | 59.1                   | 23.1                        | 15,246         | 2.8            | 1,039.3                | 4.9            | 197.7                       | 8.8                    | 1.7                       | 22,846           | 87.2                   | 1,098.5                | 1,956                 |
| 40 - 50                      | 4,453          | 1.1            | 58.0                 | 3.6            | 39.5                      | 44.9                   | 30.6                        | 9,976          | 1.9            | 869.1                  | 4.1            | 255.2                       | 7.4                    | 2.2                       | 14,429           | 65.4                   | 914.0                  | 1,474                 |
| 50 - 100                     | 8,330          | 2.1            | 160.8                | 9.9            | 60.0                      | 135.3                  | 50.5                        | 22,660         | 4.2            | 3,009.3                | 14.2           | 402.2                       | 23.1                   | 3.1                       | 30,990           | 183.8                  | 3,144.5                | 4,701                 |
| <b>Subtotal &lt;=100</b>     | <b>384,256</b> | <b>98.2</b>    | <b>767.8</b>         | <b>47.5</b>    | <b>5.6</b>                | <b>541.9</b>           | <b>4.0</b>                  | <b>514,790</b> | <b>95.6</b>    | <b>10,265.0</b>        | <b>48.5</b>    | <b>56.4</b>                 | <b>88.0</b>            | <b>0.5</b>                | <b>899,046</b>   | <b>855.8</b>           | <b>10,806.9</b>        | <b>20,448</b>         |
| 100 - 200                    | 3,740          | 1.0            | 141.6                | 8.8            | 120.1                     | 125.2                  | 106.2                       | 14,203         | 2.6            | 3,429.2                | 16.2           | 802.1                       | 23.2                   | 5.4                       | 17,943           | 164.9                  | 3,554.4                | 4,098                 |
| 200 - 400                    | 1,757          | 0.5            | 133.0                | 8.2            | 237.2                     | 132.8                  | 236.9                       | 6,372          | 1.2            | 2,729.8                | 12.9           | 1,549.7                     | 22.8                   | 12.9                      | 8,129            | 155.7                  | 2,862.6                | 2,505                 |
| 400 - 800                    | 939            | 0.2            | 143.5                | 8.9            | 465.2                     | 163.9                  | 531.5                       | 2,063          | 0.4            | 1,618.3                | 7.7            | 3,031.5                     | 19.2                   | 36.0                      | 3,002            | 162.7                  | 1,782.2                | 697                   |
| 800 - 1,600                  | 408            | 0.1            | 118.2                | 7.3            | 902.4                     | 156.6                  | 1,195.6                     | 628            | 0.1            | 988.1                  | 4.7            | 5,875.6                     | 15.0                   | 89.1                      | 1,036            | 133.1                  | 1,144.7                | 128                   |
| 1,600 - 3,200                | 129            | 0.0            | 77.2                 | 4.8            | 1,785.4                   | 99.0                   | 2,288.7                     | 235            | 0.0            | 778.8                  | 3.7            | 11,916.0                    | 10.6                   | 162.9                     | 364              | 87.9                   | 877.8                  | 20                    |
| 3,200 - 6,400                | 65             | 0.0            | 82.0                 | 5.1            | 3,736.5                   | 100.0                  | 4,560.4                     | 83             | 0.0            | 669.8                  | 3.2            | 24,808.5                    | 10.6                   | 391.3                     | 148              | 92.5                   | 769.8                  | 8                     |
| 6,400 - 12,800               | 41             | 0.0            | 93.0                 | 5.8            | 7,306.2                   | 102.3                  | 8,038.1                     | 34             | 0.0            | 552.6                  | 2.6            | 47,316.9                    | 9.3                    | 799.6                     | 75               | 102.3                  | 654.9                  | 0                     |
| > 12,800                     | 13             | 0.0            | 60.9                 | 3.8            | 15,471.3                  | 50.9                   | 12,934.9                    | 5              | 0.0            | 126.7                  | 0.6            | 76,859.0                    | 3.0                    | 1,826.8                   | 18               | 63.9                   | 177.6                  | 0                     |
| <b>Total</b>                 | <b>391,348</b> | <b>100.0</b>   | <b>1,617.0</b>       | <b>100.0</b>   | <b>11.7</b>               | <b>1,472.5</b>         | <b>10.6</b>                 | <b>538,413</b> | <b>100.0</b>   | <b>21,158.4</b>        | <b>100.0</b>   | <b>112.0</b>                | <b>201.7</b>           | <b>1.1</b>                | <b>929,761</b>   | <b>1,818.7</b>         | <b>22,630.9</b>        | <b>27,904</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B10. United States oil and gas well summary statistics, 2009

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 157,464        | 40.4           | 18.1                 | 1.0            | 0.3                       | 6.5                    | 0.1                         | 133,523        | 24.6           | 110.5                  | 0.5            | 2.3                         | 1.0                    | 0.0                       | 290,987          | 19.1                   | 117.0                  | 1,272                 |
| 1 - 2                        | 48,830         | 12.5           | 23.6                 | 1.4            | 1.4                       | 10.3                   | 0.6                         | 64,098         | 11.8           | 190.9                  | 0.9            | 8.3                         | 1.6                    | 0.1                       | 112,928          | 25.2                   | 201.1                  | 817                   |
| 2 - 4                        | 50,865         | 13.1           | 48.3                 | 2.8            | 2.7                       | 24.7                   | 1.4                         | 75,088         | 13.8           | 446.2                  | 2.1            | 16.6                        | 4.0                    | 0.1                       | 125,953          | 52.3                   | 470.9                  | 1,347                 |
| 4 - 6                        | 28,021         | 7.2            | 44.4                 | 2.5            | 4.4                       | 28.8                   | 2.9                         | 47,876         | 8.8            | 481.2                  | 2.2            | 28.0                        | 4.6                    | 0.3                       | 75,897           | 49.0                   | 510.0                  | 1,281                 |
| 6 - 8                        | 18,305         | 4.7            | 40.6                 | 2.3            | 6.2                       | 27.7                   | 4.2                         | 35,051         | 6.5            | 496.6                  | 2.3            | 39.5                        | 4.6                    | 0.4                       | 53,356           | 45.2                   | 524.3                  | 1,156                 |
| 8 - 10                       | 12,797         | 3.3            | 36.3                 | 2.1            | 8.0                       | 26.7                   | 5.9                         | 25,709         | 4.7            | 470.1                  | 2.2            | 50.9                        | 4.3                    | 0.5                       | 38,506           | 40.6                   | 496.8                  | 1,009                 |
| <b>Subtotal &lt;=10</b>      | <b>316,282</b> | <b>81.2</b>    | <b>211.2</b>         | <b>12.1</b>    | <b>1.9</b>                | <b>124.6</b>           | <b>1.1</b>                  | <b>381,345</b> | <b>70.1</b>    | <b>2,195.5</b>         | <b>10.2</b>    | <b>16.2</b>                 | <b>20.2</b>            | <b>0.1</b>                | <b>697,627</b>   | <b>231.4</b>           | <b>2,320.1</b>         | <b>6,882</b>          |
| 10 - 12                      | 9,622          | 2.5            | 33.6                 | 1.9            | 9.8                       | 23.1                   | 6.8                         | 19,385         | 3.6            | 432.6                  | 2.0            | 62.2                        | 4.1                    | 0.6                       | 29,007           | 37.7                   | 455.7                  | 955                   |
| 12 - 15                      | 10,895         | 2.8            | 46.6                 | 2.7            | 12.0                      | 32.0                   | 8.3                         | 21,767         | 4.0            | 595.6                  | 2.8            | 76.2                        | 5.6                    | 0.7                       | 32,662           | 52.2                   | 627.6                  | 1,296                 |
| <b>Subtotal &lt;=15</b>      | <b>336,799</b> | <b>86.5</b>    | <b>291.5</b>         | <b>16.7</b>    | <b>2.4</b>                | <b>179.8</b>           | <b>1.5</b>                  | <b>422,497</b> | <b>77.7</b>    | <b>3,223.7</b>         | <b>15.0</b>    | <b>21.4</b>                 | <b>29.8</b>            | <b>0.2</b>                | <b>759,296</b>   | <b>321.3</b>           | <b>3,403.5</b>         | <b>9,133</b>          |
| 15 - 20                      | 12,141         | 3.1            | 66.4                 | 3.8            | 15.5                      | 46.9                   | 10.9                        | 24,107         | 4.4            | 848.9                  | 4.0            | 98.4                        | 7.9                    | 0.9                       | 36,248           | 74.3                   | 895.8                  | 2,000                 |
| 20 - 25                      | 8,150          | 2.1            | 56.9                 | 3.3            | 19.9                      | 41.9                   | 14.6                        | 16,097         | 3.0            | 731.4                  | 3.4            | 127.2                       | 6.6                    | 1.2                       | 24,247           | 63.5                   | 773.2                  | 1,675                 |
| 25 - 30                      | 5,614          | 1.4            | 47.5                 | 2.7            | 24.4                      | 35.0                   | 17.9                        | 11,519         | 2.1            | 638.9                  | 3.0            | 156.0                       | 5.6                    | 1.4                       | 17,133           | 53.1                   | 673.9                  | 1,395                 |
| 30 - 40                      | 7,313          | 1.9            | 76.6                 | 4.4            | 30.5                      | 60.3                   | 24.0                        | 15,779         | 2.9            | 1,103.6                | 5.1            | 197.5                       | 9.2                    | 1.7                       | 23,092           | 85.8                   | 1,163.9                | 2,443                 |
| 40 - 50                      | 4,296          | 1.1            | 56.9                 | 3.3            | 39.4                      | 45.2                   | 31.3                        | 9,877          | 1.8            | 887.0                  | 4.1            | 255.2                       | 7.4                    | 2.1                       | 14,173           | 64.3                   | 932.2                  | 1,916                 |
| 50 - 100                     | 7,947          | 2.0            | 157.8                | 9.0            | 60.1                      | 136.5                  | 52.0                        | 22,337         | 4.1            | 3,123.0                | 14.5           | 401.8                       | 22.3                   | 2.9                       | 30,284           | 180.1                  | 3,259.6                | 5,778                 |
| <b>Subtotal &lt;=100</b>     | <b>382,260</b> | <b>98.2</b>    | <b>753.6</b>         | <b>43.2</b>    | <b>5.6</b>                | <b>545.5</b>           | <b>4.0</b>                  | <b>522,213</b> | <b>96.0</b>    | <b>10,556.4</b>        | <b>49.1</b>    | <b>56.8</b>                 | <b>88.9</b>            | <b>0.5</b>                | <b>904,473</b>   | <b>842.5</b>           | <b>11,101.9</b>        | <b>24,340</b>         |
| 100 - 200                    | 3,724          | 1.0            | 146.6                | 8.4            | 120.3                     | 131.9                  | 108.2                       | 12,993         | 2.4            | 3,452.2                | 16.1           | 798.4                       | 22.0                   | 5.1                       | 16,717           | 168.6                  | 3,584.0                | 4,733                 |
| 200 - 400                    | 1,825          | 0.5            | 141.4                | 8.1            | 239.6                     | 137.1                  | 232.3                       | 5,574          | 1.0            | 2,590.2                | 12.1           | 1,544.7                     | 21.7                   | 12.9                      | 7,399            | 163.1                  | 2,727.3                | 2,706                 |
| 400 - 800                    | 905            | 0.2            | 133.1                | 7.6            | 457.7                     | 169.3                  | 581.9                       | 1,977          | 0.4            | 1,647.4                | 7.7            | 3,039.4                     | 17.8                   | 32.9                      | 2,882            | 151.0                  | 1,816.6                | 914                   |
| 800 - 1,600                  | 383            | 0.1            | 111.1                | 6.4            | 879.4                     | 156.1                  | 1,235.6                     | 700            | 0.1            | 1,097.7                | 5.1            | 6,077.9                     | 15.4                   | 85.4                      | 1,083            | 126.5                  | 1,253.8                | 286                   |
| 1,600 - 3,200                | 134            | 0.0            | 81.6                 | 4.7            | 1,845.7                   | 101.3                  | 2,290.2                     | 260            | 0.1            | 824.1                  | 3.8            | 12,005.0                    | 12.4                   | 181.1                     | 394              | 94.0                   | 925.3                  | 84                    |
| 3,200 - 6,400                | 67             | 0.0            | 89.1                 | 5.1            | 3,989.6                   | 90.6                   | 4,056.4                     | 67             | 0.0            | 561.7                  | 2.6            | 25,392.4                    | 8.4                    | 380.3                     | 134              | 97.5                   | 652.3                  | 2                     |
| 6,400 - 12,800               | 47             | 0.0            | 112.5                | 6.5            | 7,435.6                   | 131.6                  | 8,695.8                     | 38             | 0.0            | 544.0                  | 2.5            | 48,187.7                    | 5.3                    | 467.7                     | 85               | 117.8                  | 675.6                  | 1                     |
| > 12,800                     | 30             | 0.0            | 176.5                | 10.1           | 18,162.7                  | 136.8                  | 14,083.1                    | 9              | 0.0            | 227.3                  | 1.1            | 84,011.4                    | 3.3                    | 1,204.3                   | 39               | 179.7                  | 364.2                  | 0                     |
| <b>Total</b>                 | <b>389,375</b> | <b>100.0</b>   | <b>1,745.6</b>       | <b>100.0</b>   | <b>12.6</b>               | <b>1,600.1</b>         | <b>11.6</b>                 | <b>543,831</b> | <b>100.0</b>   | <b>21,501.0</b>        | <b>100.0</b>   | <b>111.5</b>                | <b>195.2</b>           | <b>1.0</b>                | <b>933,206</b>   | <b>1,940.8</b>         | <b>23,101.1</b>        | <b>33,066</b>         |

Notes:

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- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
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- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B11. United States oil and gas well summary statistics, 2010

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMB) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMB) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 160,954        | 40.4           | 18.5                 | 1.0            | 0.3                       | 7.4                    | 0.1                         | 140,263        | 25.2           | 115.7                  | 0.5            | 2.3                         | 1.1                    | 0.0                       | 301,217          | 19.5                   | 123.1                  | 1,388                 |
| 1 - 2                        | 50,296         | 12.6           | 24.3                 | 1.4            | 1.4                       | 10.6                   | 0.6                         | 66,462         | 12.0           | 198.8                  | 0.9            | 8.3                         | 1.7                    | 0.1                       | 116,758          | 26.0                   | 209.5                  | 918                   |
| 2 - 4                        | 50,826         | 12.8           | 48.1                 | 2.7            | 2.7                       | 24.7                   | 1.4                         | 76,590         | 13.8           | 456.9                  | 2.1            | 16.6                        | 4.1                    | 0.1                       | 127,416          | 52.1                   | 481.6                  | 1,520                 |
| 4 - 6                        | 28,241         | 7.1            | 44.5                 | 2.5            | 4.4                       | 29.7                   | 3.0                         | 49,034         | 8.8            | 493.9                  | 2.2            | 28.0                        | 4.7                    | 0.3                       | 77,275           | 49.2                   | 523.6                  | 1,445                 |
| 6 - 8                        | 18,429         | 4.6            | 40.6                 | 2.3            | 6.2                       | 29.2                   | 4.5                         | 35,140         | 6.3            | 497.8                  | 2.2            | 39.4                        | 4.8                    | 0.4                       | 53,569           | 45.4                   | 527.0                  | 1,315                 |
| 8 - 10                       | 12,941         | 3.3            | 36.4                 | 2.0            | 8.0                       | 26.3                   | 5.8                         | 25,702         | 4.6            | 468.5                  | 2.1            | 50.7                        | 4.6                    | 0.5                       | 38,643           | 40.9                   | 494.8                  | 1,183                 |
| <b>Subtotal &lt;=10</b>      | <b>321,687</b> | <b>80.7</b>    | <b>212.3</b>         | <b>11.9</b>    | <b>1.9</b>                | <b>127.9</b>           | <b>1.1</b>                  | <b>393,191</b> | <b>70.7</b>    | <b>2,231.7</b>         | <b>10.0</b>    | <b>15.9</b>                 | <b>20.9</b>            | <b>0.1</b>                | <b>714,878</b>   | <b>233.2</b>           | <b>2,359.6</b>         | <b>7,769</b>          |
| 10 - 12                      | 9,846          | 2.5            | 33.9                 | 1.9            | 9.8                       | 25.0                   | 7.2                         | 19,365         | 3.5            | 431.7                  | 1.9            | 62.1                        | 4.2                    | 0.6                       | 29,211           | 38.2                   | 456.7                  | 1,164                 |
| 12 - 15                      | 10,923         | 2.7            | 45.8                 | 2.6            | 12.0                      | 34.0                   | 8.9                         | 21,698         | 3.9            | 593.6                  | 2.7            | 76.2                        | 5.6                    | 0.7                       | 32,621           | 51.4                   | 627.6                  | 1,576                 |
| <b>Subtotal &lt;=15</b>      | <b>342,456</b> | <b>86.0</b>    | <b>292.0</b>         | <b>16.3</b>    | <b>2.4</b>                | <b>186.9</b>           | <b>1.5</b>                  | <b>434,254</b> | <b>78.1</b>    | <b>3,256.9</b>         | <b>14.6</b>    | <b>20.9</b>                 | <b>30.8</b>            | <b>0.2</b>                | <b>776,710</b>   | <b>322.7</b>           | <b>3,443.9</b>         | <b>10,509</b>         |
| 15 - 20                      | 12,262         | 3.1            | 65.9                 | 3.7            | 15.4                      | 47.9                   | 11.2                        | 24,328         | 4.4            | 855.1                  | 3.8            | 98.2                        | 8.2                    | 0.9                       | 36,590           | 74.1                   | 903.0                  | 2,342                 |
| 20 - 25                      | 8,303          | 2.1            | 56.7                 | 3.2            | 19.9                      | 42.4                   | 14.9                        | 16,288         | 2.9            | 740.6                  | 3.3            | 127.5                       | 6.5                    | 1.1                       | 24,591           | 63.1                   | 783.0                  | 1,968                 |
| 25 - 30                      | 5,714          | 1.4            | 46.9                 | 2.6            | 24.2                      | 36.8                   | 19.0                        | 11,811         | 2.1            | 656.0                  | 3.0            | 156.1                       | 5.7                    | 1.4                       | 17,525           | 52.6                   | 692.8                  | 1,727                 |
| 30 - 40                      | 7,521          | 1.9            | 76.1                 | 4.3            | 30.4                      | 61.3                   | 24.5                        | 15,620         | 2.8            | 1,094.3                | 4.9            | 197.7                       | 9.3                    | 1.7                       | 23,141           | 85.3                   | 1,155.6                | 2,831                 |
| 40 - 50                      | 4,635          | 1.2            | 59.1                 | 3.3            | 39.1                      | 50.7                   | 33.6                        | 9,880          | 1.8            | 893.5                  | 4.0            | 256.0                       | 7.0                    | 2.0                       | 14,515           | 66.2                   | 944.2                  | 2,233                 |
| 50 - 100                     | 9,008          | 2.3            | 169.2                | 9.5            | 59.9                      | 157.6                  | 55.7                        | 21,472         | 3.9            | 3,009.3                | 13.5           | 402.6                       | 20.3                   | 2.7                       | 30,480           | 189.5                  | 3,166.9                | 6,719                 |
| <b>Subtotal &lt;=100</b>     | <b>389,899</b> | <b>97.9</b>    | <b>765.9</b>         | <b>42.8</b>    | <b>5.6</b>                | <b>583.6</b>           | <b>4.2</b>                  | <b>533,653</b> | <b>96.0</b>    | <b>10,505.8</b>        | <b>47.2</b>    | <b>55.1</b>                 | <b>87.6</b>            | <b>0.5</b>                | <b>923,552</b>   | <b>853.5</b>           | <b>11,089.4</b>        | <b>28,329</b>         |
| 100 - 200                    | 4,357          | 1.1            | 161.7                | 9.0            | 121.4                     | 143.5                  | 107.8                       | 12,426         | 2.2            | 3,228.3                | 14.5           | 797.6                       | 21.8                   | 5.4                       | 16,783           | 183.5                  | 3,371.8                | 5,563                 |
| 200 - 400                    | 2,389          | 0.6            | 162.8                | 9.1            | 237.3                     | 164.5                  | 239.8                       | 5,766          | 1.0            | 2,611.1                | 11.7           | 1,575.7                     | 20.9                   | 12.6                      | 8,155            | 183.7                  | 2,775.6                | 3,860                 |
| 400 - 800                    | 1,155          | 0.3            | 149.0                | 8.3            | 454.6                     | 182.1                  | 555.5                       | 2,535          | 0.5            | 2,012.7                | 9.0            | 3,104.6                     | 19.4                   | 29.9                      | 3,690            | 168.4                  | 2,194.8                | 1,876                 |
| 800 - 1,600                  | 370            | 0.1            | 102.4                | 5.7            | 884.8                     | 139.6                  | 1,206.1                     | 1,243          | 0.2            | 1,836.8                | 8.3            | 6,229.2                     | 17.7                   | 59.9                      | 1,613            | 120.1                  | 1,976.4                | 887                   |
| 1,600 - 3,200                | 128            | 0.0            | 74.6                 | 4.2            | 1,851.0                   | 81.3                   | 2,018.9                     | 261            | 0.1            | 727.6                  | 3.3            | 11,628.9                    | 10.5                   | 168.1                     | 389              | 85.1                   | 808.9                  | 141                   |
| 3,200 - 6,400                | 67             | 0.0            | 89.4                 | 5.0            | 3,953.4                   | 92.7                   | 4,101.9                     | 81             | 0.0            | 659.6                  | 3.0            | 24,663.6                    | 10.4                   | 388.2                     | 148              | 99.8                   | 752.3                  | 6                     |
| 6,400 - 12,800               | 41             | 0.0            | 101.3                | 5.7            | 7,286.1                   | 134.7                  | 9,685.4                     | 27             | 0.0            | 473.5                  | 2.1            | 49,884.1                    | 6.1                    | 646.5                     | 68               | 107.5                  | 608.2                  | 1                     |
| > 12,800                     | 34             | 0.0            | 183.9                | 10.3           | 16,980.0                  | 141.3                  | 13,041.1                    | 8              | 0.0            | 208.1                  | 0.9            | 81,436.9                    | 2.8                    | 1,077.1                   | 42               | 186.7                  | 349.3                  | 0                     |
| <b>Total</b>                 | <b>398,440</b> | <b>100.0</b>   | <b>1,790.9</b>       | <b>100.0</b>   | <b>12.8</b>               | <b>1,663.3</b>         | <b>11.9</b>                 | <b>556,000</b> | <b>100.0</b>   | <b>22,263.4</b>        | <b>100.0</b>   | <b>112.7</b>                | <b>197.3</b>           | <b>1.0</b>                | <b>954,440</b>   | <b>1,988.2</b>         | <b>23,926.6</b>        | <b>40,663</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B12. United States oil and gas well summary statistics, 2011

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMB) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMB) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 165,275        | 40.0           | 19.2                 | 1.0            | 0.3                       | 7.4                    | 0.1                         | 146,048        | 25.8           | 120.5                  | 0.5            | 2.3                         | 1.1                    | 0.0                       | 311,323          | 20.3                   | 127.9                  | 1,511                 |
| 1 - 2                        | 51,605         | 12.5           | 24.8                 | 1.4            | 1.4                       | 11.0                   | 0.6                         | 68,252         | 12.1           | 204.3                  | 0.9            | 8.3                         | 1.7                    | 0.1                       | 119,857          | 26.5                   | 215.4                  | 1,017                 |
| 2 - 4                        | 53,031         | 12.8           | 49.3                 | 2.7            | 2.6                       | 25.9                   | 1.4                         | 78,081         | 13.8           | 464.8                  | 2.0            | 16.5                        | 4.2                    | 0.2                       | 131,112          | 53.6                   | 490.7                  | 1,835                 |
| 4 - 6                        | 28,856         | 7.0            | 45.2                 | 2.5            | 4.4                       | 29.7                   | 2.9                         | 49,583         | 8.8            | 500.5                  | 2.1            | 28.0                        | 4.8                    | 0.3                       | 78,439           | 50.0                   | 530.2                  | 1,677                 |
| 6 - 8                        | 18,659         | 4.5            | 40.6                 | 2.2            | 6.2                       | 29.5                   | 4.5                         | 34,789         | 6.2            | 493.2                  | 2.1            | 39.3                        | 4.9                    | 0.4                       | 53,448           | 45.5                   | 522.7                  | 1,562                 |
| 8 - 10                       | 13,302         | 3.2            | 37.2                 | 2.0            | 8.0                       | 27.6                   | 5.9                         | 25,789         | 4.6            | 471.5                  | 2.0            | 50.7                        | 4.6                    | 0.5                       | 39,091           | 41.8                   | 499.1                  | 1,460                 |
| <b>Subtotal &lt;=10</b>      | <b>330,728</b> | <b>80.0</b>    | <b>216.4</b>         | <b>11.7</b>    | <b>1.8</b>                | <b>131.1</b>           | <b>1.1</b>                  | <b>402,542</b> | <b>71.2</b>    | <b>2,254.9</b>         | <b>9.6</b>     | <b>15.6</b>                 | <b>21.3</b>            | <b>0.1</b>                | <b>733,270</b>   | <b>237.7</b>           | <b>2,385.9</b>         | <b>9,062</b>          |
| 10 - 12                      | 10,008         | 2.4            | 33.8                 | 1.8            | 9.7                       | 25.8                   | 7.4                         | 19,239         | 3.4            | 429.3                  | 1.8            | 61.9                        | 4.5                    | 0.6                       | 29,247           | 38.3                   | 455.0                  | 1,356                 |
| 12 - 15                      | 11,227         | 2.7            | 46.6                 | 2.5            | 11.9                      | 35.2                   | 9.0                         | 21,359         | 3.8            | 584.5                  | 2.5            | 76.1                        | 5.7                    | 0.7                       | 32,586           | 52.3                   | 619.7                  | 1,862                 |
| <b>Subtotal &lt;=15</b>      | <b>351,963</b> | <b>85.1</b>    | <b>296.8</b>         | <b>16.1</b>    | <b>2.4</b>                | <b>192.0</b>           | <b>1.5</b>                  | <b>443,140</b> | <b>78.4</b>    | <b>3,268.7</b>         | <b>13.9</b>    | <b>20.6</b>                 | <b>31.5</b>            | <b>0.2</b>                | <b>795,103</b>   | <b>328.3</b>           | <b>3,460.7</b>         | <b>12,280</b>         |
| 15 - 20                      | 12,820         | 3.1            | 67.5                 | 3.7            | 15.3                      | 52.7                   | 12.0                        | 24,256         | 4.3            | 855.3                  | 3.6            | 98.2                        | 8.2                    | 0.9                       | 37,076           | 75.6                   | 908.0                  | 2,738                 |
| 20 - 25                      | 8,535          | 2.1            | 57.2                 | 3.1            | 19.7                      | 45.6                   | 15.7                        | 16,533         | 2.9            | 753.1                  | 3.2            | 127.2                       | 6.9                    | 1.2                       | 25,068           | 64.0                   | 798.7                  | 2,272                 |
| 25 - 30                      | 6,115          | 1.5            | 49.1                 | 2.7            | 24.0                      | 41.4                   | 20.2                        | 11,576         | 2.1            | 644.6                  | 2.7            | 155.9                       | 5.8                    | 1.4                       | 17,691           | 54.9                   | 686.0                  | 2,020                 |
| 30 - 40                      | 7,982          | 1.9            | 78.7                 | 4.3            | 30.2                      | 68.6                   | 26.3                        | 15,239         | 2.7            | 1,071.0                | 4.6            | 197.6                       | 8.8                    | 1.6                       | 23,221           | 87.5                   | 1,139.6                | 3,294                 |
| 40 - 50                      | 4,906          | 1.2            | 60.7                 | 3.3            | 38.7                      | 55.4                   | 35.3                        | 9,557          | 1.7            | 861.6                  | 3.7            | 255.1                       | 7.0                    | 2.1                       | 14,463           | 67.6                   | 917.0                  | 2,747                 |
| 50 - 100                     | 10,283         | 2.5            | 189.6                | 10.3           | 59.7                      | 187.4                  | 59.0                        | 20,736         | 3.7            | 2,904.2                | 12.4           | 401.2                       | 21.2                   | 2.9                       | 31,019           | 210.8                  | 3,091.5                | 8,378                 |
| <b>Subtotal &lt;=100</b>     | <b>402,604</b> | <b>97.3</b>    | <b>799.5</b>         | <b>43.4</b>    | <b>5.7</b>                | <b>643.1</b>           | <b>4.6</b>                  | <b>541,037</b> | <b>95.7</b>    | <b>10,358.5</b>        | <b>44.0</b>    | <b>53.5</b>                 | <b>89.4</b>            | <b>0.5</b>                | <b>943,641</b>   | <b>888.9</b>           | <b>11,001.6</b>        | <b>33,729</b>         |
| 100 - 200                    | 5,474          | 1.3            | 194.7                | 10.6           | 119.2                     | 198.4                  | 121.4                       | 12,156         | 2.2            | 3,163.5                | 13.5           | 794.2                       | 25.0                   | 6.3                       | 17,630           | 219.8                  | 3,361.9                | 7,307                 |
| 200 - 400                    | 3,302          | 0.8            | 210.1                | 11.4           | 234.1                     | 240.8                  | 268.3                       | 6,561          | 1.2            | 3,001.5                | 12.8           | 1,572.4                     | 28.0                   | 14.7                      | 9,863            | 238.1                  | 3,242.3                | 5,893                 |
| 400 - 800                    | 1,553          | 0.4            | 166.8                | 9.1            | 438.8                     | 237.5                  | 624.5                       | 3,446          | 0.6            | 2,809.1                | 11.9           | 3,129.8                     | 29.2                   | 32.5                      | 4,999            | 196.0                  | 3,046.6                | 3,343                 |
| 800 - 1,600                  | 465            | 0.1            | 112.8                | 6.1            | 873.2                     | 169.1                  | 1,309.2                     | 1,575          | 0.3            | 2,444.1                | 10.4           | 6,126.1                     | 19.5                   | 48.9                      | 2,040            | 132.3                  | 2,613.2                | 1,406                 |
| 1,600 - 3,200                | 122            | 0.0            | 75.6                 | 4.1            | 1,886.7                   | 85.2                   | 2,125.8                     | 256            | 0.1            | 706.9                  | 3.0            | 11,707.1                    | 9.1                    | 150.4                     | 378              | 84.7                   | 792.1                  | 146                   |
| 3,200 - 6,400                | 77             | 0.0            | 101.1                | 5.5            | 3,961.2                   | 110.4                  | 4,324.1                     | 50             | 0.0            | 409.7                  | 1.7            | 24,356.2                    | 4.2                    | 250.2                     | 127              | 105.3                  | 520.1                  | 5                     |
| 6,400 - 12,800               | 34             | 0.0            | 89.1                 | 4.8            | 7,588.0                   | 128.7                  | 10,959.3                    | 27             | 0.0            | 466.7                  | 2.0            | 48,259.8                    | 5.0                    | 514.8                     | 61               | 94.1                   | 595.4                  | 0                     |
| > 12,800                     | 16             | 0.0            | 93.7                 | 5.1            | 16,385.8                  | 64.5                   | 11,280.7                    | 6              | 0.0            | 161.0                  | 0.7            | 86,730.1                    | 1.0                    | 525.3                     | 22               | 94.7                   | 225.5                  | 0                     |
| <b>Total</b>                 | <b>413,647</b> | <b>100.0</b>   | <b>1,843.5</b>       | <b>100.0</b>   | <b>12.8</b>               | <b>1,877.6</b>         | <b>13.0</b>                 | <b>565,114</b> | <b>100.0</b>   | <b>23,521.1</b>        | <b>100.0</b>   | <b>117.0</b>                | <b>210.3</b>           | <b>1.0</b>                | <b>978,761</b>   | <b>2,053.8</b>         | <b>25,398.7</b>        | <b>51,829</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B13. United States oil and gas well summary statistics, 2012

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 168,332        | 39.2           | 19.7                 | 0.9            | 0.3                       | 7.5                    | 0.1                         | 152,202        | 26.8           | 125.5                  | 0.5            | 2.3                         | 1.3                    | 0.0                       | 320,534          | 21.0                   | 133.0                  | 1,730                 |
| 1 - 2                        | 52,791         | 12.3           | 25.7                 | 1.2            | 1.4                       | 11.3                   | 0.6                         | 69,575         | 12.2           | 208.0                  | 0.9            | 8.3                         | 1.8                    | 0.1                       | 122,366          | 27.4                   | 219.4                  | 1,154                 |
| 2 - 4                        | 54,384         | 12.7           | 51.2                 | 2.4            | 2.6                       | 26.7                   | 1.4                         | 77,705         | 13.7           | 461.9                  | 1.9            | 16.5                        | 4.4                    | 0.2                       | 132,089          | 55.5                   | 488.6                  | 2,118                 |
| 4 - 6                        | 29,245         | 6.8            | 46.2                 | 2.2            | 4.4                       | 30.3                   | 2.9                         | 49,205         | 8.7            | 496.1                  | 2.1            | 27.9                        | 5.1                    | 0.3                       | 78,450           | 51.3                   | 526.5                  | 1,896                 |
| 6 - 8                        | 18,992         | 4.4            | 41.9                 | 2.0            | 6.2                       | 29.8                   | 4.4                         | 34,090         | 6.0            | 484.1                  | 2.0            | 39.3                        | 5.0                    | 0.4                       | 53,082           | 46.8                   | 513.9                  | 1,829                 |
| 8 - 10                       | 13,552         | 3.2            | 38.1                 | 1.8            | 8.0                       | 28.6                   | 6.0                         | 24,633         | 4.3            | 450.1                  | 1.9            | 50.5                        | 4.7                    | 0.5                       | 38,185           | 42.8                   | 478.7                  | 1,635                 |
| <b>Subtotal &lt;=10</b>      | <b>337,296</b> | <b>78.5</b>    | <b>222.7</b>         | <b>10.4</b>    | <b>1.9</b>                | <b>134.3</b>           | <b>1.1</b>                  | <b>407,410</b> | <b>71.6</b>    | <b>2,225.8</b>         | <b>9.3</b>     | <b>15.2</b>                 | <b>22.2</b>            | <b>0.2</b>                | <b>744,706</b>   | <b>244.8</b>           | <b>2,360.0</b>         | <b>10,362</b>         |
| 10 - 12                      | 10,597         | 2.5            | 36.3                 | 1.7            | 9.7                       | 27.5                   | 7.4                         | 19,069         | 3.4            | 427.0                  | 1.8            | 61.9                        | 4.4                    | 0.6                       | 29,666           | 40.7                   | 454.5                  | 1,509                 |
| 12 - 15                      | 11,599         | 2.7            | 48.3                 | 2.3            | 11.9                      | 38.0                   | 9.3                         | 21,051         | 3.7            | 576.3                  | 2.4            | 75.9                        | 5.9                    | 0.8                       | 32,650           | 54.2                   | 614.3                  | 2,151                 |
| <b>Subtotal &lt;=15</b>      | <b>359,492</b> | <b>83.7</b>    | <b>307.3</b>         | <b>14.4</b>    | <b>2.4</b>                | <b>199.8</b>           | <b>1.6</b>                  | <b>447,530</b> | <b>78.7</b>    | <b>3,229.1</b>         | <b>13.4</b>    | <b>20.1</b>                 | <b>32.4</b>            | <b>0.2</b>                | <b>807,022</b>   | <b>339.7</b>           | <b>3,428.8</b>         | <b>14,022</b>         |
| 15 - 20                      | 13,245         | 3.1            | 70.1                 | 3.3            | 15.2                      | 57.1                   | 12.4                        | 23,957         | 4.2            | 846.1                  | 3.5            | 98.0                        | 8.5                    | 1.0                       | 37,202           | 78.6                   | 903.2                  | 3,043                 |
| 20 - 25                      | 9,148          | 2.1            | 61.4                 | 2.9            | 19.6                      | 51.4                   | 16.4                        | 16,027         | 2.8            | 731.4                  | 3.0            | 126.8                       | 6.9                    | 1.2                       | 25,175           | 68.4                   | 782.8                  | 2,693                 |
| 25 - 30                      | 6,314          | 1.5            | 51.0                 | 2.4            | 23.8                      | 45.4                   | 21.2                        | 11,426         | 2.0            | 639.8                  | 2.7            | 155.7                       | 5.7                    | 1.4                       | 17,740           | 56.7                   | 685.2                  | 2,345                 |
| 30 - 40                      | 8,627          | 2.0            | 86.1                 | 4.0            | 30.0                      | 78.8                   | 27.5                        | 14,898         | 2.6            | 1,051.6                | 4.4            | 196.9                       | 9.3                    | 1.7                       | 23,525           | 95.5                   | 1,130.5                | 4,071                 |
| 40 - 50                      | 5,375          | 1.3            | 66.8                 | 3.1            | 38.4                      | 64.7                   | 37.2                        | 9,282          | 1.6            | 846.2                  | 3.5            | 255.3                       | 7.1                    | 2.2                       | 14,657           | 74.0                   | 910.9                  | 3,270                 |
| 50 - 100                     | 11,902         | 2.8            | 219.4                | 10.3           | 59.1                      | 236.5                  | 63.7                        | 20,533         | 3.6            | 2,895.8                | 12.0           | 398.3                       | 26.0                   | 3.6                       | 32,435           | 245.4                  | 3,132.3                | 10,640                |
| <b>Subtotal &lt;=100</b>     | <b>414,103</b> | <b>96.4</b>    | <b>862.1</b>         | <b>40.4</b>    | <b>5.9</b>                | <b>733.8</b>           | <b>5.0</b>                  | <b>543,653</b> | <b>95.6</b>    | <b>10,240.0</b>        | <b>42.6</b>    | <b>52.4</b>                 | <b>96.1</b>            | <b>0.5</b>                | <b>957,756</b>   | <b>958.2</b>           | <b>10,973.7</b>        | <b>40,084</b>         |
| 100 - 200                    | 7,389          | 1.7            | 258.5                | 12.1           | 117.9                     | 298.1                  | 136.0                       | 12,588         | 2.2            | 3,373.2                | 14.0           | 793.8                       | 33.5                   | 7.9                       | 19,977           | 292.0                  | 3,671.3                | 10,539                |
| 200 - 400                    | 5,074          | 1.2            | 305.3                | 14.3           | 227.9                     | 398.4                  | 297.4                       | 7,390          | 1.3            | 3,527.2                | 14.7           | 1,553.6                     | 41.4                   | 18.2                      | 12,464           | 346.7                  | 3,925.5                | 8,986                 |
| 400 - 800                    | 2,268          | 0.5            | 227.4                | 10.7           | 432.4                     | 348.7                  | 663.2                       | 3,684          | 0.7            | 3,262.5                | 13.6           | 3,100.3                     | 34.5                   | 32.8                      | 5,952            | 261.8                  | 3,611.2                | 4,571                 |
| 800 - 1,600                  | 628            | 0.2            | 132.5                | 6.2            | 835.4                     | 217.5                  | 1,370.9                     | 1,310          | 0.2            | 2,178.7                | 9.1            | 6,054.2                     | 16.3                   | 45.3                      | 1,938            | 148.8                  | 2,396.2                | 1,357                 |
| 1,600 - 3,200                | 127            | 0.0            | 71.9                 | 3.4            | 1,921.5                   | 75.6                   | 2,020.4                     | 214            | 0.0            | 616.3                  | 2.6            | 11,815.0                    | 7.0                    | 133.7                     | 341              | 78.9                   | 692.0                  | 130                   |
| 3,200 - 6,400                | 76             | 0.0            | 98.0                 | 4.6            | 3,661.5                   | 105.9                  | 3,958.5                     | 52             | 0.0            | 420.1                  | 1.8            | 25,502.3                    | 5.0                    | 305.0                     | 128              | 103.0                  | 526.0                  | 9                     |
| 6,400 - 12,800               | 39             | 0.0            | 104.5                | 4.9            | 7,684.2                   | 151.6                  | 11,146.3                    | 23             | 0.0            | 361.4                  | 1.5            | 48,360.2                    | 2.5                    | 329.7                     | 62               | 107.0                  | 513.1                  | 1                     |
| > 12,800                     | 15             | 0.0            | 71.9                 | 3.4            | 14,732.8                  | 58.6                   | 12,012.2                    | 3              | 0.0            | 63.2                   | 0.3            | 82,857.5                    | 0.0                    | 5.9                       | 18               | 71.9                   | 121.9                  | 1                     |
| <b>Total</b>                 | <b>429,719</b> | <b>100.0</b>   | <b>2,132.2</b>       | <b>100.0</b>   | <b>14.2</b>               | <b>2,388.3</b>         | <b>15.9</b>                 | <b>568,917</b> | <b>100.0</b>   | <b>24,042.6</b>        | <b>100.0</b>   | <b>118.3</b>                | <b>236.2</b>           | <b>1.2</b>                | <b>998,636</b>   | <b>2,368.4</b>         | <b>26,430.9</b>        | <b>65,678</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B14. United States oil and gas well summary statistics, 2013

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 174,840        | 39.2           | 20.2                 | 0.8            | 0.3                       | 7.6                    | 0.1                         | 153,837        | 27.1           | 126.1                  | 0.5            | 2.3                         | 1.2                    | 0.0                       | 328,677          | 21.4                   | 133.7                  | 2,021                 |
| 1 - 2                        | 53,746         | 12.1           | 25.9                 | 1.1            | 1.4                       | 11.3                   | 0.6                         | 69,553         | 12.3           | 208.2                  | 0.9            | 8.3                         | 1.8                    | 0.1                       | 123,299          | 27.7                   | 219.4                  | 1,244                 |
| 2 - 4                        | 54,154         | 12.1           | 50.9                 | 2.1            | 2.6                       | 26.5                   | 1.4                         | 77,987         | 13.8           | 463.6                  | 1.9            | 16.5                        | 4.5                    | 0.2                       | 132,141          | 55.4                   | 490.1                  | 2,413                 |
| 4 - 6                        | 29,785         | 6.7            | 47.0                 | 1.9            | 4.4                       | 30.6                   | 2.9                         | 48,446         | 8.5            | 487.3                  | 2.0            | 27.9                        | 5.1                    | 0.3                       | 78,231           | 52.1                   | 517.9                  | 2,119                 |
| 6 - 8                        | 19,261         | 4.3            | 42.2                 | 1.7            | 6.2                       | 30.7                   | 4.5                         | 33,597         | 5.9            | 476.1                  | 2.0            | 39.2                        | 5.1                    | 0.4                       | 52,858           | 47.3                   | 506.8                  | 2,096                 |
| 8 - 10                       | 13,830         | 3.1            | 38.8                 | 1.6            | 8.0                       | 29.1                   | 6.0                         | 24,170         | 4.3            | 440.6                  | 1.8            | 50.5                        | 4.7                    | 0.5                       | 38,000           | 43.5                   | 469.7                  | 1,870                 |
| <b>Subtotal &lt;=10</b>      | <b>345,616</b> | <b>77.5</b>    | <b>225.1</b>         | <b>9.2</b>     | <b>1.8</b>                | <b>135.7</b>           | <b>1.1</b>                  | <b>407,590</b> | <b>71.9</b>    | <b>2,201.9</b>         | <b>9.2</b>     | <b>15.0</b>                 | <b>22.4</b>            | <b>0.2</b>                | <b>753,206</b>   | <b>247.5</b>           | <b>2,337.6</b>         | <b>11,763</b>         |
| 10 - 12                      | 10,617         | 2.4            | 36.1                 | 1.5            | 9.7                       | 28.0                   | 7.5                         | 18,575         | 3.3            | 414.4                  | 1.7            | 61.8                        | 4.5                    | 0.7                       | 29,192           | 40.6                   | 442.4                  | 1,768                 |
| 12 - 15                      | 11,787         | 2.6            | 49.1                 | 2.0            | 11.9                      | 38.6                   | 9.3                         | 20,558         | 3.6            | 562.5                  | 2.3            | 75.7                        | 6.0                    | 0.8                       | 32,345           | 55.1                   | 601.1                  | 2,436                 |
| <b>Subtotal &lt;=15</b>      | <b>368,020</b> | <b>82.5</b>    | <b>310.3</b>         | <b>12.7</b>    | <b>2.4</b>                | <b>202.3</b>           | <b>1.6</b>                  | <b>446,723</b> | <b>78.8</b>    | <b>3,178.8</b>         | <b>13.2</b>    | <b>19.8</b>                 | <b>32.9</b>            | <b>0.2</b>                | <b>814,743</b>   | <b>343.2</b>           | <b>3,381.1</b>         | <b>15,967</b>         |
| 15 - 20                      | 13,570         | 3.0            | 71.8                 | 3.0            | 15.2                      | 60.5                   | 12.8                        | 23,441         | 4.1            | 830.0                  | 3.5            | 98.1                        | 8.1                    | 1.0                       | 37,011           | 79.9                   | 890.6                  | 3,390                 |
| 20 - 25                      | 9,015          | 2.0            | 61.0                 | 2.5            | 19.6                      | 51.4                   | 16.5                        | 15,483         | 2.7            | 706.7                  | 2.9            | 126.6                       | 6.9                    | 1.2                       | 24,498           | 68.0                   | 758.1                  | 3,080                 |
| 25 - 30                      | 6,577          | 1.5            | 53.2                 | 2.2            | 23.8                      | 48.5                   | 21.7                        | 10,944         | 1.9            | 611.5                  | 2.6            | 155.3                       | 5.9                    | 1.5                       | 17,521           | 59.1                   | 660.0                  | 2,805                 |
| 30 - 40                      | 9,012          | 2.0            | 89.9                 | 3.7            | 29.7                      | 87.0                   | 28.8                        | 14,507         | 2.6            | 1,019.6                | 4.3            | 196.0                       | 9.9                    | 1.9                       | 23,519           | 99.8                   | 1,106.6                | 4,866                 |
| 40 - 50                      | 5,893          | 1.3            | 74.7                 | 3.1            | 38.2                      | 75.5                   | 38.6                        | 9,057          | 1.6            | 819.6                  | 3.4            | 252.8                       | 8.3                    | 2.6                       | 14,950           | 83.1                   | 895.1                  | 4,087                 |
| 50 - 100                     | 13,717         | 3.1            | 260.9                | 10.7           | 59.1                      | 309.4                  | 70.1                        | 20,798         | 3.7            | 2,912.8                | 12.1           | 394.5                       | 32.0                   | 4.3                       | 34,515           | 292.8                  | 3,222.2                | 14,331                |
| <b>Subtotal &lt;=100</b>     | <b>425,804</b> | <b>95.5</b>    | <b>921.9</b>         | <b>37.8</b>    | <b>6.1</b>                | <b>834.6</b>           | <b>5.6</b>                  | <b>540,953</b> | <b>95.4</b>    | <b>10,079.0</b>        | <b>42.0</b>    | <b>51.8</b>                 | <b>104.0</b>           | <b>0.5</b>                | <b>966,757</b>   | <b>1,025.9</b>         | <b>10,913.6</b>        | <b>48,526</b>         |
| 100 - 200                    | 9,531          | 2.1            | 339.8                | 14.0           | 116.1                     | 437.4                  | 149.5                       | 13,144         | 2.3            | 3,509.9                | 14.6           | 778.7                       | 45.2                   | 10.0                      | 22,675           | 385.0                  | 3,947.3                | 14,345                |
| 200 - 400                    | 6,662          | 1.5            | 392.9                | 16.1           | 222.9                     | 571.2                  | 324.1                       | 7,755          | 1.4            | 3,694.1                | 15.4           | 1,521.1                     | 55.8                   | 23.0                      | 14,417           | 448.7                  | 4,265.3                | 11,348                |
| 400 - 800                    | 3,108          | 0.7            | 304.1                | 12.5           | 425.0                     | 494.4                  | 691.1                       | 3,590          | 0.6            | 3,032.2                | 12.6           | 3,003.7                     | 42.6                   | 42.2                      | 6,698            | 346.7                  | 3,526.7                | 5,285                 |
| 800 - 1,600                  | 694            | 0.2            | 139.2                | 5.7            | 840.4                     | 223.6                  | 1,349.5                     | 1,302          | 0.2            | 2,046.2                | 8.5            | 6,106.2                     | 17.9                   | 53.3                      | 1,996            | 157.1                  | 2,269.7                | 1,467                 |
| 1,600 - 3,200                | 128            | 0.0            | 75.8                 | 3.1            | 1,885.8                   | 80.2                   | 1,995.9                     | 278            | 0.1            | 743.0                  | 3.1            | 11,632.9                    | 6.1                    | 95.3                      | 406              | 81.9                   | 823.3                  | 207                   |
| 3,200 - 6,400                | 70             | 0.0            | 87.4                 | 3.6            | 3,680.9                   | 95.7                   | 4,032.8                     | 55             | 0.0            | 419.7                  | 1.8            | 25,584.9                    | 4.0                    | 246.4                     | 125              | 91.4                   | 515.4                  | 19                    |
| 6,400 - 12,800               | 42             | 0.0            | 106.2                | 4.4            | 7,427.8                   | 131.4                  | 9,184.0                     | 29             | 0.0            | 451.2                  | 1.9            | 46,210.9                    | 3.2                    | 332.5                     | 71               | 109.5                  | 582.6                  | 2                     |
| > 12,800                     | 14             | 0.0            | 69.2                 | 2.8            | 14,121.6                  | 69.7                   | 14,231.4                    | 1              | 0.0            | 34.1                   | 0.1            | 93,288.3                    | 0.0                    | 8.9                       | 15               | 69.2                   | 103.8                  | 0                     |
| <b>Total</b>                 | <b>446,053</b> | <b>100.0</b>   | <b>2,436.4</b>       | <b>100.0</b>   | <b>15.7</b>               | <b>2,938.2</b>         | <b>18.9</b>                 | <b>567,107</b> | <b>100.0</b>   | <b>24,009.4</b>        | <b>100.0</b>   | <b>118.4</b>                | <b>278.9</b>           | <b>1.4</b>                | <b>1,013,160</b> | <b>2,715.3</b>         | <b>26,947.6</b>        | <b>81,199</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B15. United States oil and gas well summary statistics, 2014

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 178,937        | 38.6           | 20.4                 | 0.7            | 0.3                       | 8.0                    | 0.1                         | 162,401        | 28.2           | 130.5                  | 0.5            | 2.3                         | 1.3                    | 0.0                       | 341,338          | 21.7                   | 138.5                  | 2,325                 |
| 1 - 2                        | 54,619         | 11.8           | 26.4                 | 0.9            | 1.4                       | 11.5                   | 0.6                         | 69,872         | 12.1           | 208.7                  | 0.8            | 8.3                         | 1.8                    | 0.1                       | 124,491          | 28.2                   | 220.2                  | 1,415                 |
| 2 - 4                        | 54,664         | 11.8           | 51.2                 | 1.8            | 2.6                       | 27.1                   | 1.4                         | 77,317         | 13.4           | 458.3                  | 1.8            | 16.4                        | 4.5                    | 0.2                       | 131,981          | 55.7                   | 485.4                  | 2,669                 |
| 4 - 6                        | 30,650         | 6.6            | 48.1                 | 1.7            | 4.4                       | 31.6                   | 2.9                         | 48,398         | 8.4            | 486.0                  | 1.9            | 27.8                        | 5.1                    | 0.3                       | 79,048           | 53.2                   | 517.6                  | 2,406                 |
| 6 - 8                        | 19,851         | 4.3            | 43.4                 | 1.5            | 6.2                       | 31.8                   | 4.5                         | 33,216         | 5.8            | 469.6                  | 1.9            | 39.2                        | 5.0                    | 0.4                       | 53,067           | 48.4                   | 501.4                  | 2,337                 |
| 8 - 10                       | 14,380         | 3.1            | 40.3                 | 1.4            | 8.0                       | 30.3                   | 6.0                         | 23,960         | 4.2            | 436.8                  | 1.7            | 50.5                        | 4.7                    | 0.5                       | 38,340           | 45.0                   | 467.2                  | 2,072                 |
| <b>Subtotal &lt;=10</b>      | <b>353,101</b> | <b>76.2</b>    | <b>229.8</b>         | <b>8.1</b>     | <b>1.8</b>                | <b>140.3</b>           | <b>1.1</b>                  | <b>415,164</b> | <b>72.2</b>    | <b>2,189.9</b>         | <b>8.7</b>     | <b>14.7</b>                 | <b>22.5</b>            | <b>0.2</b>                | <b>768,265</b>   | <b>252.2</b>           | <b>2,330.2</b>         | <b>13,224</b>         |
| 10 - 12                      | 10,797         | 2.3            | 36.7                 | 1.3            | 9.7                       | 28.7                   | 7.6                         | 17,996         | 3.1            | 402.0                  | 1.6            | 61.8                        | 4.3                    | 0.7                       | 28,793           | 41.0                   | 430.7                  | 2,076                 |
| 12 - 15                      | 12,065         | 2.6            | 50.0                 | 1.8            | 11.8                      | 40.5                   | 9.6                         | 20,061         | 3.5            | 548.9                  | 2.2            | 75.7                        | 5.8                    | 0.8                       | 32,126           | 55.8                   | 589.4                  | 2,714                 |
| <b>Subtotal &lt;=15</b>      | <b>375,963</b> | <b>81.2</b>    | <b>316.5</b>         | <b>11.1</b>    | <b>2.4</b>                | <b>209.5</b>           | <b>1.6</b>                  | <b>453,221</b> | <b>78.8</b>    | <b>3,140.8</b>         | <b>12.5</b>    | <b>19.3</b>                 | <b>32.5</b>            | <b>0.2</b>                | <b>829,184</b>   | <b>349.0</b>           | <b>3,350.3</b>         | <b>18,014</b>         |
| 15 - 20                      | 13,904         | 3.0            | 73.9                 | 2.6            | 15.2                      | 63.0                   | 12.9                        | 23,183         | 4.0            | 818.2                  | 3.3            | 97.9                        | 8.3                    | 1.0                       | 37,087           | 82.2                   | 881.2                  | 4,115                 |
| 20 - 25                      | 9,549          | 2.1            | 64.5                 | 2.3            | 19.5                      | 57.0                   | 17.2                        | 15,498         | 2.7            | 703.2                  | 2.8            | 126.1                       | 7.3                    | 1.3                       | 25,047           | 71.8                   | 760.2                  | 3,843                 |
| 25 - 30                      | 7,022          | 1.5            | 57.3                 | 2.0            | 23.8                      | 52.6                   | 21.8                        | 10,849         | 1.9            | 602.8                  | 2.4            | 154.5                       | 6.2                    | 1.6                       | 17,871           | 63.5                   | 655.4                  | 3,484                 |
| 30 - 40                      | 9,377          | 2.0            | 93.8                 | 3.3            | 29.5                      | 97.5                   | 30.6                        | 14,482         | 2.5            | 1,011.5                | 4.0            | 194.6                       | 11.2                   | 2.2                       | 23,859           | 105.1                  | 1,109.0                | 6,195                 |
| 40 - 50                      | 6,387          | 1.4            | 81.5                 | 2.9            | 38.0                      | 86.5                   | 40.3                        | 9,340          | 1.6            | 838.4                  | 3.4            | 250.8                       | 9.8                    | 2.9                       | 15,727           | 91.3                   | 924.9                  | 5,321                 |
| 50 - 100                     | 15,843         | 3.4            | 305.2                | 10.7           | 58.4                      | 389.0                  | 74.4                        | 21,837         | 3.8            | 3,055.0                | 12.2           | 392.9                       | 41.0                   | 5.3                       | 37,680           | 346.2                  | 3,444.0                | 18,500                |
| <b>Subtotal &lt;=100</b>     | <b>438,045</b> | <b>94.6</b>    | <b>992.8</b>         | <b>34.8</b>    | <b>6.4</b>                | <b>955.1</b>           | <b>6.2</b>                  | <b>548,410</b> | <b>95.3</b>    | <b>10,170.0</b>        | <b>40.6</b>    | <b>51.6</b>                 | <b>116.4</b>           | <b>0.6</b>                | <b>986,455</b>   | <b>1,109.1</b>         | <b>11,125.0</b>        | <b>59,472</b>         |
| 100 - 200                    | 11,374         | 2.5            | 409.4                | 14.4           | 114.6                     | 568.6                  | 159.1                       | 13,691         | 2.4            | 3,597.0                | 14.4           | 760.6                       | 57.5                   | 12.2                      | 25,065           | 466.9                  | 4,165.5                | 17,432                |
| 200 - 400                    | 8,320          | 1.8            | 496.4                | 17.4           | 221.8                     | 765.4                  | 342.0                       | 7,267          | 1.3            | 3,454.7                | 13.8           | 1,496.2                     | 64.0                   | 27.7                      | 15,587           | 560.4                  | 4,220.1                | 12,608                |
| 400 - 800                    | 4,258          | 0.9            | 391.3                | 13.7           | 420.4                     | 657.2                  | 706.1                       | 4,076          | 0.7            | 3,452.3                | 13.8           | 2,999.5                     | 57.7                   | 50.1                      | 8,334            | 449.0                  | 4,109.5                | 6,950                 |
| 800 - 1,600                  | 936            | 0.2            | 165.4                | 5.8            | 820.1                     | 274.0                  | 1,358.8                     | 1,573          | 0.3            | 2,468.7                | 9.9            | 6,107.9                     | 24.0                   | 59.4                      | 2,509            | 189.4                  | 2,742.7                | 1,997                 |
| 1,600 - 3,200                | 165            | 0.0            | 81.1                 | 2.8            | 1,884.9                   | 86.0                   | 1,999.3                     | 331            | 0.1            | 899.4                  | 3.6            | 11,634.0                    | 6.0                    | 77.4                      | 496              | 87.1                   | 985.4                  | 299                   |
| 3,200 - 6,400                | 70             | 0.0            | 87.3                 | 3.1            | 3,757.0                   | 99.2                   | 4,269.5                     | 78             | 0.0            | 573.9                  | 2.3            | 25,929.3                    | 4.7                    | 212.7                     | 148              | 92.0                   | 673.1                  | 38                    |
| 6,400 - 12,800               | 54             | 0.0            | 131.1                | 4.6            | 7,463.1                   | 154.2                  | 8,782.0                     | 27             | 0.0            | 381.5                  | 1.5            | 48,586.2                    | 4.9                    | 630.3                     | 81               | 136.0                  | 535.7                  | 5                     |
| > 12,800                     | 21             | 0.0            | 96.7                 | 3.4            | 15,430.6                  | 111.2                  | 17,730.7                    | 2              | 0.0            | 59.8                   | 0.2            | 81,979.4                    | 0.0                    | 5.8                       | 23               | 96.7                   | 171.0                  | 0                     |
| <b>Total</b>                 | <b>463,243</b> | <b>100.0</b>   | <b>2,851.5</b>       | <b>100.0</b>   | <b>17.7</b>               | <b>3,670.9</b>         | <b>22.8</b>                 | <b>575,455</b> | <b>100.0</b>   | <b>25,057.1</b>        | <b>100.0</b>   | <b>121.8</b>                | <b>335.2</b>           | <b>1.6</b>                | <b>1,038,698</b> | <b>3,186.7</b>         | <b>28,728.1</b>        | <b>98,801</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.



Table B16. United States oil and gas well summary statistics, 2015

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 180,433        | 39.3           | 20.1                 | 0.7            | 0.3                       | 7.5                    | 0.1                         | 166,457        | 29.1           | 130.0                  | 0.5            | 2.2                         | 1.3                    | 0.0                       | 346,890          | 21.3                   | 137.6                  | 2,637                 |
| 1 - 2                        | 53,252         | 11.6           | 25.5                 | 0.8            | 1.4                       | 10.9                   | 0.6                         | 68,368         | 12.0           | 202.9                  | 0.8            | 8.3                         | 1.7                    | 0.1                       | 121,620          | 27.2                   | 213.8                  | 1,633                 |
| 2 - 4                        | 52,877         | 11.5           | 49.4                 | 1.6            | 2.6                       | 26.6                   | 1.4                         | 75,832         | 13.3           | 447.8                  | 1.7            | 16.4                        | 4.5                    | 0.2                       | 128,709          | 53.9                   | 474.4                  | 2,964                 |
| 4 - 6                        | 29,861         | 6.5            | 46.8                 | 1.5            | 4.4                       | 31.8                   | 3.0                         | 46,705         | 8.2            | 467.3                  | 1.8            | 27.7                        | 5.1                    | 0.3                       | 76,566           | 51.9                   | 499.1                  | 2,661                 |
| 6 - 8                        | 19,625         | 4.3            | 42.9                 | 1.4            | 6.2                       | 32.1                   | 4.6                         | 32,144         | 5.6            | 454.5                  | 1.8            | 39.1                        | 4.9                    | 0.4                       | 51,769           | 47.8                   | 486.6                  | 2,522                 |
| 8 - 10                       | 13,838         | 3.0            | 39.1                 | 1.3            | 7.9                       | 30.5                   | 6.2                         | 23,283         | 4.1            | 424.9                  | 1.7            | 50.5                        | 4.5                    | 0.5                       | 37,121           | 43.5                   | 455.4                  | 2,375                 |
| <b>Subtotal &lt;=10</b>      | <b>349,886</b> | <b>76.1</b>    | <b>223.9</b>         | <b>7.3</b>     | <b>1.8</b>                | <b>139.4</b>           | <b>1.1</b>                  | <b>412,789</b> | <b>72.2</b>    | <b>2,127.5</b>         | <b>8.3</b>     | <b>14.4</b>                 | <b>22.0</b>            | <b>0.1</b>                | <b>762,675</b>   | <b>245.8</b>           | <b>2,266.9</b>         | <b>14,792</b>         |
| 10 - 12                      | 10,597         | 2.3            | 36.4                 | 1.2            | 9.7                       | 28.9                   | 7.7                         | 17,760         | 3.1            | 395.6                  | 1.5            | 61.7                        | 4.3                    | 0.7                       | 28,357           | 40.7                   | 424.5                  | 2,190                 |
| 12 - 15                      | 12,001         | 2.6            | 50.3                 | 1.6            | 11.8                      | 42.0                   | 9.8                         | 20,283         | 3.6            | 553.5                  | 2.2            | 75.6                        | 5.9                    | 0.8                       | 32,284           | 56.1                   | 595.5                  | 3,065                 |
| <b>Subtotal &lt;=15</b>      | <b>372,484</b> | <b>81.0</b>    | <b>310.5</b>         | <b>10.2</b>    | <b>2.4</b>                | <b>210.3</b>           | <b>1.6</b>                  | <b>450,832</b> | <b>78.9</b>    | <b>3,076.6</b>         | <b>11.9</b>    | <b>19.1</b>                 | <b>32.2</b>            | <b>0.2</b>                | <b>823,316</b>   | <b>342.7</b>           | <b>3,286.9</b>         | <b>20,047</b>         |
| 15 - 20                      | 13,846         | 3.0            | 74.2                 | 2.4            | 15.1                      | 65.4                   | 13.3                        | 22,765         | 4.0            | 802.4                  | 3.1            | 97.6                        | 8.5                    | 1.0                       | 36,611           | 82.8                   | 867.8                  | 4,893                 |
| 20 - 25                      | 9,398          | 2.0            | 64.0                 | 2.1            | 19.2                      | 62.3                   | 18.7                        | 15,157         | 2.7            | 687.8                  | 2.7            | 125.6                       | 7.7                    | 1.4                       | 24,555           | 71.7                   | 750.2                  | 4,626                 |
| 25 - 30                      | 6,753          | 1.5            | 56.2                 | 1.8            | 23.5                      | 55.4                   | 23.2                        | 10,637         | 1.9            | 589.7                  | 2.3            | 153.7                       | 6.7                    | 1.8                       | 17,390           | 63.0                   | 645.0                  | 4,218                 |
| 30 - 40                      | 9,161          | 2.0            | 94.6                 | 3.1            | 29.3                      | 103.6                  | 32.1                        | 14,011         | 2.5            | 977.6                  | 3.8            | 193.4                       | 12.1                   | 2.4                       | 23,172           | 106.7                  | 1,081.2                | 7,343                 |
| 40 - 50                      | 6,484          | 1.4            | 85.1                 | 2.8            | 37.2                      | 102.1                  | 44.7                        | 9,200          | 1.6            | 826.8                  | 3.2            | 248.9                       | 11.0                   | 3.3                       | 15,684           | 96.1                   | 928.8                  | 6,632                 |
| 50 - 100                     | 16,440         | 3.6            | 331.6                | 10.8           | 57.7                      | 450.1                  | 78.3                        | 22,653         | 4.0            | 3,176.7                | 12.3           | 389.8                       | 47.6                   | 5.8                       | 39,093           | 379.2                  | 3,626.8                | 22,704                |
| <b>Subtotal &lt;=100</b>     | <b>434,566</b> | <b>94.5</b>    | <b>1,016.2</b>       | <b>33.2</b>    | <b>6.6</b>                | <b>1,049.1</b>         | <b>6.8</b>                  | <b>545,255</b> | <b>95.4</b>    | <b>10,137.6</b>        | <b>39.3</b>    | <b>51.9</b>                 | <b>125.8</b>           | <b>0.6</b>                | <b>979,821</b>   | <b>1,142.0</b>         | <b>11,186.7</b>        | <b>70,463</b>         |
| 100 - 200                    | 11,764         | 2.6            | 451.7                | 14.8           | 112.3                     | 675.3                  | 167.8                       | 13,120         | 2.3            | 3,462.3                | 13.4           | 746.7                       | 65.3                   | 14.1                      | 24,884           | 517.0                  | 4,137.6                | 18,718                |
| 200 - 400                    | 7,836          | 1.7            | 519.4                | 17.0           | 217.6                     | 881.3                  | 369.1                       | 6,750          | 1.2            | 3,361.6                | 13.0           | 1,485.0                     | 70.5                   | 31.1                      | 14,586           | 589.9                  | 4,242.9                | 11,931                |
| 400 - 800                    | 4,163          | 0.9            | 440.2                | 14.4           | 411.4                     | 833.8                  | 779.2                       | 4,004          | 0.7            | 3,648.1                | 14.1           | 2,995.9                     | 69.2                   | 56.8                      | 8,167            | 509.4                  | 4,481.8                | 6,880                 |
| 800 - 1,600                  | 1,084          | 0.2            | 194.1                | 6.3            | 792.4                     | 355.5                  | 1,451.4                     | 1,872          | 0.3            | 3,125.0                | 12.1           | 6,129.6                     | 27.9                   | 54.7                      | 2,956            | 221.9                  | 3,480.5                | 2,462                 |
| 1,600 - 3,200                | 151            | 0.0            | 73.6                 | 2.4            | 1,824.9                   | 78.8                   | 1,953.7                     | 367            | 0.1            | 1,096.7                | 4.3            | 11,686.1                    | 6.7                    | 71.8                      | 518              | 80.4                   | 1,175.5                | 347                   |
| 3,200 - 6,400                | 68             | 0.0            | 76.5                 | 2.5            | 3,632.3                   | 96.3                   | 4,571.3                     | 65             | 0.0            | 505.9                  | 2.0            | 25,033.5                    | 4.5                    | 220.7                     | 133              | 81.0                   | 602.2                  | 23                    |
| 6,400 - 12,800               | 70             | 0.0            | 163.2                | 5.3            | 7,396.0                   | 192.1                  | 8,705.3                     | 22             | 0.0            | 382.5                  | 1.5            | 49,873.6                    | 2.2                    | 280.6                     | 92               | 165.4                  | 574.6                  | 1                     |
| > 12,800                     | 27             | 0.0            | 124.6                | 4.1            | 13,744.0                  | 155.6                  | 17,159.7                    | 2              | 0.0            | 79.4                   | 0.3            | 136,666.4                   | 0.6                    | 973.0                     | 29               | 125.2                  | 235.0                  | 0                     |
| <b>Total</b>                 | <b>459,729</b> | <b>100.0</b>   | <b>3,059.5</b>       | <b>100.0</b>   | <b>19.0</b>               | <b>4,317.7</b>         | <b>26.8</b>                 | <b>571,457</b> | <b>100.0</b>   | <b>25,799.1</b>        | <b>100.0</b>   | <b>126.3</b>                | <b>372.6</b>           | <b>1.8</b>                | <b>1,031,186</b> | <b>3,432.1</b>         | <b>30,116.8</b>        | <b>110,825</b>        |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B17. United States oil and gas well summary statistics, 2016

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 178,774        | 40.4           | 19.6                   | 0.7            | 0.3                       | 7.2                    | 0.1                         | 175,220        | 30.9           | 131.6                  | 0.5            | 2.1                         | 1.2                    | 0.0                       | 353,994          | 20.8                   | 138.9                  | 3,106                 |
| 1 - 2                        | 49,995         | 11.3           | 24.1                   | 0.8            | 1.4                       | 10.3                   | 0.6                         | 66,299         | 11.7           | 197.2                  | 0.8            | 8.3                         | 1.6                    | 0.1                       | 116,294          | 25.7                   | 207.5                  | 1,804                 |
| 2 - 4                        | 50,109         | 11.3           | 47.1                   | 1.7            | 2.6                       | 25.6                   | 1.4                         | 73,133         | 12.9           | 431.4                  | 1.7            | 16.5                        | 4.2                    | 0.2                       | 123,242          | 51.3                   | 457.0                  | 3,112                 |
| 4 - 6                        | 28,412         | 6.4            | 44.5                   | 1.6            | 4.4                       | 31.2                   | 3.1                         | 45,642         | 8.1            | 456.5                  | 1.8            | 27.8                        | 4.9                    | 0.3                       | 74,054           | 49.4                   | 487.7                  | 2,846                 |
| 6 - 8                        | 18,516         | 4.2            | 40.6                   | 1.4            | 6.1                       | 31.3                   | 4.7                         | 31,068         | 5.5            | 438.7                  | 1.7            | 39.1                        | 4.7                    | 0.4                       | 49,584           | 45.3                   | 470.0                  | 2,732                 |
| 8 - 10                       | 13,337         | 3.0            | 37.6                   | 1.3            | 7.9                       | 31.2                   | 6.5                         | 22,417         | 4.0            | 408.3                  | 1.6            | 50.4                        | 4.5                    | 0.6                       | 35,754           | 42.0                   | 439.5                  | 2,512                 |
| <b>Subtotal &lt;=10</b>      | <b>339,143</b> | <b>76.6</b>    | <b>213.4</b>           | <b>7.5</b>     | <b>1.8</b>                | <b>136.9</b>           | <b>1.1</b>                  | <b>413,779</b> | <b>73.0</b>    | <b>2,063.8</b>         | <b>8.1</b>     | <b>14.0</b>                 | <b>21.1</b>            | <b>0.1</b>                | <b>752,922</b>   | <b>234.5</b>           | <b>2,200.6</b>         | <b>16,112</b>         |
| 10 - 12                      | 10,005         | 2.3            | 34.4                   | 1.2            | 9.6                       | 29.4                   | 8.2                         | 17,009         | 3.0            | 378.9                  | 1.5            | 61.6                        | 4.3                    | 0.7                       | 27,014           | 38.6                   | 408.3                  | 2,395                 |
| 12 - 15                      | 11,618         | 2.6            | 48.8                   | 1.7            | 11.7                      | 42.7                   | 10.3                        | 19,370         | 3.4            | 530.6                  | 2.1            | 75.6                        | 5.8                    | 0.8                       | 30,988           | 54.5                   | 573.3                  | 3,464                 |
| <b>Subtotal &lt;=15</b>      | <b>360,766</b> | <b>81.5</b>    | <b>296.5</b>           | <b>10.4</b>    | <b>2.3</b>                | <b>209.0</b>           | <b>1.6</b>                  | <b>450,158</b> | <b>79.4</b>    | <b>2,973.2</b>         | <b>11.6</b>    | <b>18.5</b>                 | <b>31.1</b>            | <b>0.2</b>                | <b>810,924</b>   | <b>327.6</b>           | <b>3,182.2</b>         | <b>21,971</b>         |
| 15 - 20                      | 13,231         | 3.0            | 71.2                   | 2.5            | 15.0                      | 65.0                   | 13.7                        | 21,827         | 3.9            | 768.2                  | 3.0            | 97.3                        | 8.7                    | 1.1                       | 35,058           | 79.9                   | 833.2                  | 5,602                 |
| 20 - 25                      | 8,984          | 2.0            | 61.8                   | 2.2            | 19.2                      | 60.8                   | 18.9                        | 14,478         | 2.6            | 656.3                  | 2.6            | 125.2                       | 7.7                    | 1.5                       | 23,462           | 69.6                   | 717.2                  | 5,253                 |
| 25 - 30                      | 6,487          | 1.5            | 54.0                   | 1.9            | 23.3                      | 57.5                   | 24.8                        | 10,213         | 1.8            | 564.3                  | 2.2            | 152.6                       | 7.2                    | 1.9                       | 16,700           | 61.2                   | 621.8                  | 4,905                 |
| 30 - 40                      | 9,274          | 2.1            | 95.8                   | 3.4            | 29.0                      | 113.2                  | 34.2                        | 13,622         | 2.4            | 948.5                  | 3.7            | 192.6                       | 12.5                   | 2.5                       | 22,896           | 108.3                  | 1,061.7                | 9,071                 |
| 40 - 50                      | 6,501          | 1.5            | 85.7                   | 3.0            | 36.9                      | 110.2                  | 47.4                        | 9,284          | 1.6            | 828.0                  | 3.2            | 246.5                       | 12.2                   | 3.6                       | 15,785           | 97.9                   | 938.2                  | 8,018                 |
| 50 - 100                     | 16,633         | 3.8            | 338.7                  | 11.9           | 57.1                      | 495.6                  | 83.6                        | 22,553         | 4.0            | 3,116.6                | 12.2           | 381.9                       | 53.1                   | 6.5                       | 39,186           | 391.8                  | 3,612.2                | 25,766                |
| <b>Subtotal &lt;=100</b>     | <b>421,876</b> | <b>95.3</b>    | <b>1,003.7</b>         | <b>35.1</b>    | <b>6.7</b>                | <b>1,111.3</b>         | <b>7.5</b>                  | <b>542,135</b> | <b>95.6</b>    | <b>9,855.2</b>         | <b>38.5</b>    | <b>50.8</b>                 | <b>132.6</b>           | <b>0.7</b>                | <b>964,011</b>   | <b>1,136.3</b>         | <b>10,966.5</b>        | <b>80,586</b>         |
| 100 - 200                    | 10,110         | 2.3            | 385.0                  | 13.5           | 108.6                     | 631.2                  | 178.1                       | 12,128         | 2.1            | 3,161.2                | 12.4           | 732.7                       | 70.4                   | 16.3                      | 22,238           | 455.4                  | 3,792.4                | 17,160                |
| 200 - 400                    | 5,691          | 1.3            | 386.4                  | 13.5           | 213.1                     | 703.9                  | 388.2                       | 6,642          | 1.2            | 3,408.4                | 13.3           | 1,488.3                     | 71.6                   | 31.2                      | 12,333           | 457.9                  | 4,112.3                | 10,018                |
| 400 - 800                    | 3,618          | 0.8            | 398.0                  | 13.9           | 413.0                     | 770.3                  | 799.2                       | 3,847          | 0.7            | 3,866.9                | 15.1           | 3,033.7                     | 56.2                   | 44.1                      | 7,465            | 454.2                  | 4,637.2                | 6,395                 |
| 800 - 1,600                  | 1,122          | 0.3            | 196.8                  | 6.9            | 800.9                     | 358.8                  | 1,460.3                     | 1,612          | 0.3            | 3,063.1                | 12.0           | 6,270.8                     | 24.3                   | 49.7                      | 2,734            | 221.1                  | 3,421.9                | 2,313                 |
| 1,600 - 3,200                | 196            | 0.0            | 81.1                   | 2.8            | 1,800.9                   | 98.8                   | 2,194.7                     | 485            | 0.1            | 1,370.7                | 5.4            | 12,063.1                    | 5.8                    | 50.8                      | 681              | 86.9                   | 1,469.5                | 523                   |
| 3,200 - 6,400                | 79             | 0.0            | 103.2                  | 3.6            | 3,870.3                   | 123.7                  | 4,639.2                     | 58             | 0.0            | 399.7                  | 1.6            | 24,767.1                    | 3.6                    | 226.1                     | 137              | 106.8                  | 523.4                  | 25                    |
| 6,400 - 12,800               | 72             | 0.0            | 183.9                  | 6.4            | 7,738.7                   | 209.1                  | 8,796.7                     | 21             | 0.0            | 358.7                  | 1.4            | 47,995.2                    | 2.9                    | 390.6                     | 93               | 186.8                  | 567.8                  | 0                     |
| > 12,800                     | 26             | 0.0            | 119.0                  | 4.2            | 13,404.7                  | 129.3                  | 14,563.6                    | 2              | 0.0            | 105.5                  | 0.4            | 144,152.5                   | 0.7                    | 898.7                     | 28               | 119.7                  | 234.8                  | 0                     |
| <b>Total</b>                 | <b>442,790</b> | <b>100.0</b>   | <b>2,857.2</b>         | <b>100.0</b>   | <b>18.4</b>               | <b>4,136.4</b>         | <b>26.6</b>                 | <b>566,930</b> | <b>100.0</b>   | <b>25,589.4</b>        | <b>100.0</b>   | <b>126.3</b>                | <b>368.0</b>           | <b>1.8</b>                | <b>1,009,720</b> | <b>3,225.1</b>         | <b>29,725.8</b>        | <b>117,020</b>        |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B18. United States oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 169,334        | 38.9           | 17.9                   | 0.6            | 0.3                       | 6.3                    | 0.1                         | 167,584        | 30.2           | 125.5                  | 0.5            | 2.2                         | 1.0                    | 0.0                       | 336,918          | 18.9                   | 131.8                  | 3,083                 |
| 1 - 2                        | 50,675         | 11.6           | 23.3                   | 0.8            | 1.4                       | 9.5                    | 0.6                         | 63,691         | 11.5           | 183.8                  | 0.7            | 8.3                         | 1.3                    | 0.1                       | 114,366          | 24.7                   | 193.4                  | 1,686                 |
| 2 - 4                        | 50,610         | 11.6           | 46.2                   | 1.5            | 2.7                       | 24.9                   | 1.4                         | 70,973         | 12.8           | 403.5                  | 1.6            | 16.5                        | 3.6                    | 0.1                       | 121,583          | 49.8                   | 428.4                  | 3,138                 |
| 4 - 6                        | 28,383         | 6.5            | 43.5                   | 1.4            | 4.4                       | 30.0                   | 3.0                         | 44,492         | 8.0            | 426.9                  | 1.6            | 27.9                        | 4.2                    | 0.3                       | 72,875           | 47.8                   | 456.9                  | 2,998                 |
| 6 - 8                        | 18,199         | 4.2            | 39.0                   | 1.3            | 6.1                       | 30.6                   | 4.8                         | 29,777         | 5.4            | 398.9                  | 1.5            | 39.1                        | 4.3                    | 0.4                       | 47,976           | 43.3                   | 429.6                  | 2,826                 |
| 8 - 10                       | 13,033         | 3.0            | 36.0                   | 1.2            | 7.9                       | 29.1                   | 6.4                         | 21,383         | 3.9            | 368.3                  | 1.4            | 50.3                        | 4.2                    | 0.6                       | 34,416           | 40.2                   | 397.4                  | 2,624                 |
| <b>Subtotal &lt;=10</b>      | <b>330,234</b> | <b>75.8</b>    | <b>205.9</b>           | <b>6.8</b>     | <b>1.9</b>                | <b>130.4</b>           | <b>1.2</b>                  | <b>397,900</b> | <b>71.7</b>    | <b>1,907.0</b>         | <b>7.3</b>     | <b>14.0</b>                 | <b>18.8</b>            | <b>0.1</b>                | <b>728,134</b>   | <b>224.7</b>           | <b>2,037.4</b>         | <b>16,355</b>         |
| 10 - 12                      | 10,123         | 2.3            | 34.1                   | 1.1            | 9.6                       | 28.5                   | 8.1                         | 17,177         | 3.1            | 362.1                  | 1.4            | 61.6                        | 4.1                    | 0.7                       | 27,300           | 38.2                   | 390.6                  | 2,667                 |
| 12 - 15                      | 11,198         | 2.6            | 45.8                   | 1.5            | 11.7                      | 40.9                   | 10.4                        | 18,973         | 3.4            | 488.9                  | 1.9            | 75.5                        | 5.5                    | 0.8                       | 30,171           | 51.3                   | 529.8                  | 3,827                 |
| <b>Subtotal &lt;=15</b>      | <b>351,555</b> | <b>80.7</b>    | <b>285.8</b>           | <b>9.5</b>     | <b>2.4</b>                | <b>199.8</b>           | <b>1.7</b>                  | <b>434,050</b> | <b>78.2</b>    | <b>2,758.0</b>         | <b>10.6</b>    | <b>18.6</b>                 | <b>28.4</b>            | <b>0.2</b>                | <b>785,605</b>   | <b>314.1</b>           | <b>2,957.8</b>         | <b>22,849</b>         |
| 15 - 20                      | 13,197         | 3.0            | 69.1                   | 2.3            | 15.0                      | 64.8                   | 14.1                        | 21,943         | 4.0            | 723.8                  | 2.8            | 97.0                        | 8.6                    | 1.1                       | 35,140           | 77.7                   | 788.6                  | 6,428                 |
| 20 - 25                      | 8,907          | 2.1            | 59.1                   | 2.0            | 19.0                      | 62.3                   | 20.1                        | 14,749         | 2.7            | 623.3                  | 2.4            | 124.4                       | 8.1                    | 1.6                       | 23,656           | 67.2                   | 685.6                  | 6,256                 |
| 25 - 30                      | 6,647          | 1.5            | 53.9                   | 1.8            | 23.3                      | 57.7                   | 24.9                        | 10,520         | 1.9            | 544.1                  | 2.1            | 152.1                       | 7.3                    | 2.0                       | 17,167           | 61.2                   | 601.8                  | 5,838                 |
| 30 - 40                      | 9,631          | 2.2            | 96.4                   | 3.2            | 28.8                      | 118.5                  | 35.4                        | 14,647         | 2.6            | 953.3                  | 3.7            | 191.7                       | 13.4                   | 2.7                       | 24,278           | 109.8                  | 1,071.8                | 10,860                |
| 40 - 50                      | 6,702          | 1.5            | 85.0                   | 2.8            | 36.5                      | 114.8                  | 49.3                        | 10,055         | 1.8            | 838.4                  | 3.2            | 244.8                       | 13.4                   | 3.9                       | 16,757           | 98.4                   | 953.2                  | 9,235                 |
| 50 - 100                     | 16,766         | 3.9            | 325.9                  | 10.8           | 56.0                      | 495.6                  | 85.2                        | 23,258         | 4.2            | 2,987.4                | 11.5           | 376.9                       | 53.9                   | 6.8                       | 40,024           | 379.8                  | 3,483.0                | 27,004                |
| <b>Subtotal &lt;=100</b>     | <b>413,405</b> | <b>94.9</b>    | <b>975.2</b>           | <b>32.4</b>    | <b>7.0</b>                | <b>1,113.4</b>         | <b>8.0</b>                  | <b>529,222</b> | <b>95.3</b>    | <b>9,428.3</b>         | <b>36.2</b>    | <b>52.2</b>                 | <b>133.0</b>           | <b>0.7</b>                | <b>942,627</b>   | <b>1,108.2</b>         | <b>10,541.7</b>        | <b>88,470</b>         |
| 100 - 200                    | 9,057          | 2.1            | 327.3                  | 10.9           | 108.3                     | 546.5                  | 180.8                       | 12,165         | 2.2            | 2,936.0                | 11.3           | 735.1                       | 64.5                   | 16.2                      | 21,222           | 391.8                  | 3,482.5                | 15,796                |
| 200 - 400                    | 5,862          | 1.4            | 365.8                  | 12.1           | 216.6                     | 665.0                  | 393.6                       | 7,048          | 1.3            | 3,469.7                | 13.3           | 1,510.8                     | 64.2                   | 28.0                      | 12,910           | 430.1                  | 4,134.7                | 10,443                |
| 400 - 800                    | 4,750          | 1.1            | 493.2                  | 16.4           | 424.0                     | 916.4                  | 787.8                       | 3,728          | 0.7            | 3,473.0                | 13.3           | 3,027.1                     | 52.2                   | 45.5                      | 8,478            | 545.3                  | 4,389.4                | 7,324                 |
| 800 - 1,600                  | 1,885          | 0.4            | 298.3                  | 9.9            | 787.8                     | 573.8                  | 1,515.4                     | 1,886          | 0.3            | 2,996.6                | 11.5           | 6,172.2                     | 40.1                   | 82.5                      | 3,771            | 338.3                  | 3,570.4                | 3,353                 |
| 1,600 - 3,200                | 296            | 0.1            | 96.9                   | 3.2            | 1,680.3                   | 138.4                  | 2,400.0                     | 955            | 0.2            | 2,527.2                | 9.7            | 12,301.0                    | 14.5                   | 70.5                      | 1,251            | 111.4                  | 2,665.6                | 1,096                 |
| 3,200 - 6,400                | 96             | 0.0            | 111.4                  | 3.7            | 3,785.5                   | 125.3                  | 4,258.0                     | 158            | 0.0            | 607.5                  | 2.3            | 24,818.4                    | 2.5                    | 102.0                     | 254              | 113.9                  | 732.8                  | 144                   |
| 6,400 - 12,800               | 82             | 0.0            | 202.9                  | 6.7            | 7,561.4                   | 216.5                  | 8,066.2                     | 49             | 0.0            | 461.3                  | 1.8            | 49,564.0                    | 3.8                    | 409.6                     | 131              | 206.7                  | 677.8                  | 26                    |
| > 12,800                     | 27             | 0.0            | 141.5                  | 4.7            | 14,815.0                  | 122.1                  | 12,780.5                    | 6              | 0.0            | 125.2                  | 0.5            | 125,293.0                   | 2.2                    | 2,159.0                   | 33               | 143.7                  | 247.3                  | 1                     |
| <b>Total</b>                 | <b>435,460</b> | <b>100.0</b>   | <b>3,012.5</b>         | <b>100.0</b>   | <b>20.6</b>               | <b>4,417.3</b>         | <b>30.2</b>                 | <b>555,217</b> | <b>100.0</b>   | <b>26,024.8</b>        | <b>100.0</b>   | <b>137.8</b>                | <b>377.0</b>           | <b>2.0</b>                | <b>990,677</b>   | <b>3,389.5</b>         | <b>30,442.2</b>        | <b>126,653</b>        |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B19. Alaska oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMb | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 7              | 0.3            | 0.0                  | 0.0            | 0.2                       | 0.0                    | 0.0                         | 21             | 6.7            | 0.0                    | 0.0            | 0.8                         | 0.0                    | 0.0                       | 28               | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 4              | 0.2            | 0.0                  | 0.0            | 1.2                       | 0.0                    | 1.4                         | 5              | 1.6            | 0.0                    | 0.0            | 8.6                         | 0.0                    | 0.0                       | 9                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 13             | 0.6            | 0.0                  | 0.0            | 2.4                       | 0.0                    | 3.8                         | 12             | 3.8            | 0.0                    | 0.0            | 14.7                        | 0.0                    | 0.5                       | 25               | 0.0                    | 0.1                    | 0                     |
| 4 - 6                        | 13             | 0.6            | 0.0                  | 0.0            | 4.2                       | 0.0                    | 4.7                         | 6              | 1.9            | 0.0                    | 0.0            | 23.5                        | 0.0                    | 1.1                       | 19               | 0.0                    | 0.0                    | 1                     |
| 6 - 8                        | 12             | 0.6            | 0.0                  | 0.0            | 5.5                       | 0.0                    | 8.8                         | 5              | 1.6            | 0.0                    | 0.0            | 33.2                        | 0.0                    | 1.0                       | 17               | 0.0                    | 0.0                    | 0                     |
| 8 - 10                       | 10             | 0.5            | 0.0                  | 0.0            | 7.9                       | 0.0                    | 4.8                         | 4              | 1.3            | 0.1                    | 0.0            | 45.8                        | 0.0                    | 1.4                       | 14               | 0.0                    | 0.1                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>59</b>      | <b>2.8</b>     | <b>0.1</b>           | <b>0.0</b>     | <b>4.4</b>                | <b>0.1</b>             | <b>4.8</b>                  | <b>53</b>      | <b>16.9</b>    | <b>0.2</b>             | <b>0.1</b>     | <b>13.9</b>                 | <b>0.0</b>             | <b>0.4</b>                | <b>112</b>       | <b>0.1</b>             | <b>0.2</b>             | <b>1</b>              |
| 10 - 12                      | 9              | 0.4            | 0.0                  | 0.0            | 9.2                       | 0.0                    | 7.7                         | 5              | 1.6            | 0.1                    | 0.0            | 50.1                        | 0.0                    | 2.7                       | 14               | 0.0                    | 0.1                    | 0                     |
| 12 - 15                      | 21             | 1.0            | 0.1                  | 0.0            | 11.9                      | 0.0                    | 7.9                         | 4              | 1.3            | 0.1                    | 0.0            | 59.7                        | 0.0                    | 2.7                       | 25               | 0.1                    | 0.1                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>89</b>      | <b>4.2</b>     | <b>0.2</b>           | <b>0.1</b>     | <b>6.7</b>                | <b>0.1</b>             | <b>5.8</b>                  | <b>62</b>      | <b>19.8</b>    | <b>0.3</b>             | <b>0.1</b>     | <b>20.9</b>                 | <b>0.0</b>             | <b>0.8</b>                | <b>151</b>       | <b>0.2</b>             | <b>0.5</b>             | <b>1</b>              |
| 15 - 20                      | 40             | 1.9            | 0.2                  | 0.1            | 15.0                      | 0.2                    | 14.3                        | 8              | 2.6            | 0.2                    | 0.1            | 98.9                        | 0.0                    | 1.0                       | 48               | 0.2                    | 0.4                    | 1                     |
| 20 - 25                      | 23             | 1.1            | 0.1                  | 0.1            | 20.3                      | 0.1                    | 17.0                        | 8              | 2.6            | 0.2                    | 0.1            | 118.1                       | 0.0                    | 2.1                       | 31               | 0.1                    | 0.3                    | 0                     |
| 25 - 30                      | 22             | 1.0            | 0.2                  | 0.1            | 26.1                      | 0.1                    | 8.2                         | 7              | 2.2            | 0.3                    | 0.1            | 130.9                       | 0.0                    | 4.7                       | 29               | 0.2                    | 0.4                    | 0                     |
| 30 - 40                      | 58             | 2.8            | 0.6                  | 0.3            | 32.1                      | 0.3                    | 17.9                        | 15             | 4.8            | 1.0                    | 0.3            | 186.6                       | 0.0                    | 3.8                       | 73               | 0.6                    | 1.3                    | 0                     |
| 40 - 50                      | 67             | 3.2            | 0.8                  | 0.5            | 40.6                      | 0.6                    | 27.0                        | 7              | 2.2            | 0.6                    | 0.2            | 271.6                       | 0.0                    | 0.0                       | 74               | 0.8                    | 1.1                    | 2                     |
| 50 - 100                     | 303            | 14.4           | 7.0                  | 4.0            | 69.6                      | 3.7                    | 37.1                        | 53             | 16.9           | 7.5                    | 2.2            | 417.0                       | 0.1                    | 5.6                       | 356              | 7.1                    | 11.2                   | 1                     |
| <b>Subtotal &lt;=100</b>     | <b>602</b>     | <b>28.6</b>    | <b>9.1</b>           | <b>5.2</b>     | <b>48.0</b>               | <b>5.1</b>             | <b>27.0</b>                 | <b>160</b>     | <b>51.1</b>    | <b>10.1</b>            | <b>3.0</b>     | <b>215.3</b>                | <b>0.2</b>             | <b>3.2</b>                | <b>762</b>       | <b>9.2</b>             | <b>15.2</b>            | <b>5</b>              |
| 100 - 200                    | 503            | 23.9           | 23.1                 | 13.3           | 133.0                     | 14.0                   | 80.8                        | 46             | 14.7           | 13.0                   | 3.9            | 796.1                       | 0.2                    | 12.6                      | 549              | 23.3                   | 27.0                   | 1                     |
| 200 - 400                    | 495            | 23.5           | 40.8                 | 23.5           | 239.3                     | 49.4                   | 289.5                       | 49             | 15.7           | 25.4                   | 7.6            | 1,494.1                     | 0.4                    | 25.2                      | 544              | 41.3                   | 74.8                   | 4                     |
| 400 - 800                    | 363            | 17.2           | 53.3                 | 30.6           | 435.0                     | 93.8                   | 765.9                       | 23             | 7.4            | 20.9                   | 6.2            | 2,735.6                     | 0.7                    | 93.5                      | 386              | 54.0                   | 114.7                  | 3                     |
| 800 - 1,600                  | 117            | 5.6            | 30.8                 | 17.7           | 807.8                     | 50.2                   | 1,318.3                     | 17             | 5.4            | 33.3                   | 9.9            | 5,552.7                     | 0.8                    | 141.0                     | 134              | 31.6                   | 83.5                   | 1                     |
| 1,600 - 3,200                | 23             | 1.1            | 11.8                 | 6.8            | 1,742.1                   | 11.2                   | 1,656.1                     | 4              | 1.3            | 17.9                   | 5.3            | 12,242.8                    | 0.1                    | 95.9                      | 27               | 11.9                   | 29.1                   | 0                     |
| 3,200 - 6,400                | 3              | 0.1            | 1.6                  | 0.9            | 3,295.5                   | 0.9                    | 1,895.7                     | 4              | 1.3            | 43.0                   | 12.8           | 29,435.5                    | 0.3                    | 219.8                     | 7                | 1.9                    | 43.9                   | 0                     |
| 6,400 - 12,800               | 2              | 0.1            | 3.5                  | 2.0            | 6,426.1                   | 2.2                    | 3,920.8                     | 9              | 2.9            | 139.0                  | 41.5           | 45,224.3                    | 2.1                    | 673.7                     | 11               | 5.6                    | 141.1                  | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.3            | 32.5                   | 9.7            | 89,012.6                    | 1.7                    | 4,784.4                   | 1                | 1.7                    | 32.5                   | 0                     |
| <b>Total</b>                 | <b>2,108</b>   | <b>100.0</b>   | <b>173.9</b>         | <b>100.0</b>   | <b>248.0</b>              | <b>226.8</b>           | <b>323.4</b>                | <b>313</b>     | <b>100.0</b>   | <b>335.0</b>           | <b>100.0</b>   | <b>3,342.9</b>              | <b>6.6</b>             | <b>66.1</b>               | <b>2,421</b>     | <b>180.6</b>           | <b>561.8</b>           | <b>14</b>             |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014–17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B20. Alabama oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 43             | 8.5            | 0.0                    | 0.1            | 0.3                       | 0.0                    | 0.1                         | 530            | 9.0            | 0.5                    | 0.3            | 2.9                         | 0.0                    | 0.0                       | 573              | 0.0                    | 0.5                    | 1                     |
| 1 - 2                        | 34             | 6.7            | 0.0                    | 0.3            | 1.5                       | 0.0                    | 0.5                         | 736            | 12.5           | 2.5                    | 1.8            | 9.3                         | 0.0                    | 0.0                       | 770              | 0.0                    | 2.5                    | 1                     |
| 2 - 4                        | 39             | 7.7            | 0.0                    | 0.7            | 3.0                       | 0.0                    | 0.4                         | 1,614          | 27.3           | 10.5                   | 7.4            | 17.9                        | 0.0                    | 0.0                       | 1,653            | 0.0                    | 10.5                   | 1                     |
| 4 - 6                        | 45             | 8.8            | 0.1                    | 1.3            | 4.9                       | 0.0                    | 0.7                         | 1,267          | 21.4           | 13.7                   | 9.7            | 29.7                        | 0.0                    | 0.0                       | 1,312            | 0.1                    | 13.7                   | 1                     |
| 6 - 8                        | 36             | 7.1            | 0.1                    | 1.3            | 6.6                       | 0.0                    | 1.5                         | 796            | 13.5           | 12.0                   | 8.5            | 41.4                        | 0.0                    | 0.0                       | 832              | 0.1                    | 12.0                   | 0                     |
| 8 - 10                       | 32             | 6.3            | 0.1                    | 1.6            | 8.6                       | 0.0                    | 2.8                         | 411            | 7.0            | 8.0                    | 5.7            | 53.4                        | 0.0                    | 0.0                       | 443              | 0.1                    | 8.0                    | 3                     |
| <b>Subtotal &lt;=10</b>      | <b>229</b>     | <b>45.0</b>    | <b>0.3</b>             | <b>5.2</b>     | <b>4.1</b>                | <b>0.1</b>             | <b>0.9</b>                  | <b>5,354</b>   | <b>90.6</b>    | <b>47.1</b>            | <b>33.4</b>    | <b>24.6</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>5,583</b>     | <b>0.3</b>             | <b>47.1</b>            | <b>7</b>              |
| 10 - 12                      | 27             | 5.3            | 0.1                    | 1.7            | 10.5                      | 0.0                    | 4.3                         | 229            | 3.9            | 5.5                    | 3.9            | 65.6                        | 0.0                    | 0.0                       | 256              | 0.1                    | 5.5                    | 0                     |
| 12 - 15                      | 37             | 7.3            | 0.2                    | 2.7            | 12.7                      | 0.0                    | 4.0                         | 151            | 2.6            | 4.3                    | 3.1            | 78.6                        | 0.0                    | 0.1                       | 188              | 0.2                    | 4.4                    | 2                     |
| <b>Subtotal &lt;=15</b>      | <b>293</b>     | <b>57.6</b>    | <b>0.6</b>             | <b>9.6</b>     | <b>5.8</b>                | <b>0.2</b>             | <b>1.6</b>                  | <b>5,734</b>   | <b>97.0</b>    | <b>56.8</b>            | <b>40.3</b>    | <b>27.7</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>6,027</b>     | <b>0.6</b>             | <b>57.0</b>            | <b>9</b>              |
| 15 - 20                      | 40             | 7.9            | 0.2                    | 3.9            | 16.0                      | 0.1                    | 9.0                         | 60             | 1.0            | 2.2                    | 1.6            | 100.5                       | 0.0                    | 0.1                       | 100              | 0.2                    | 2.3                    | 2                     |
| 20 - 25                      | 24             | 4.7            | 0.2                    | 3.0            | 20.1                      | 0.1                    | 11.8                        | 16             | 0.3            | 0.7                    | 0.5            | 128.1                       | 0.0                    | 0.2                       | 40               | 0.2                    | 0.8                    | 1                     |
| 25 - 30                      | 11             | 2.2            | 0.1                    | 1.8            | 26.3                      | 0.0                    | 11.7                        | 8              | 0.1            | 0.5                    | 0.3            | 164.8                       | 0.0                    | 0.0                       | 19               | 0.1                    | 0.5                    | 0                     |
| 30 - 40                      | 22             | 4.3            | 0.2                    | 3.6            | 30.6                      | 0.2                    | 25.5                        | 5              | 0.1            | 0.3                    | 0.3            | 202.9                       | 0.0                    | 0.6                       | 27               | 0.2                    | 0.5                    | 4                     |
| 40 - 50                      | 20             | 3.9            | 0.3                    | 4.4            | 38.0                      | 0.3                    | 37.7                        | 10             | 0.2            | 0.7                    | 0.5            | 254.0                       | 0.0                    | 2.9                       | 30               | 0.3                    | 0.9                    | 2                     |
| 50 - 100                     | 44             | 8.6            | 0.9                    | 15.8           | 59.8                      | 1.1                    | 71.3                        | 16             | 0.3            | 1.7                    | 1.2            | 333.4                       | 0.1                    | 19.8                      | 60               | 1.0                    | 2.7                    | 3                     |
| <b>Subtotal &lt;=100</b>     | <b>454</b>     | <b>89.2</b>    | <b>2.4</b>             | <b>42.0</b>    | <b>16.0</b>               | <b>1.9</b>             | <b>12.8</b>                 | <b>5,849</b>   | <b>99.0</b>    | <b>62.9</b>            | <b>44.6</b>    | <b>30.0</b>                 | <b>0.1</b>             | <b>0.1</b>                | <b>6,303</b>     | <b>2.5</b>             | <b>64.8</b>            | <b>21</b>             |
| 100 - 200                    | 28             | 5.5            | 1.1                    | 19.1           | 113.1                     | 1.6                    | 162.2                       | 16             | 0.3            | 3.3                    | 2.4            | 703.1                       | 0.1                    | 29.2                      | 44               | 1.2                    | 4.9                    | 2                     |
| 200 - 400                    | 20             | 3.9            | 1.3                    | 21.9           | 185.6                     | 2.8                    | 419.0                       | 13             | 0.2            | 6.0                    | 4.3            | 1,497.4                     | 0.2                    | 57.1                      | 33               | 1.5                    | 8.9                    | 0                     |
| 400 - 800                    | 6              | 1.2            | 0.6                    | 10.8           | 284.1                     | 2.2                    | 1,015.7                     | 12             | 0.2            | 11.0                   | 7.8            | 2,704.9                     | 0.3                    | 83.3                      | 18               | 1.0                    | 13.2                   | 0                     |
| 800 - 1,600                  | 1              | 0.2            | 0.4                    | 6.2            | 982.8                     | 0.5                    | 1,447.9                     | 17             | 0.3            | 42.4                   | 30.1           | 6,934.6                     | 0.2                    | 38.7                      | 18               | 0.6                    | 42.9                   | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 3              | 0.1            | 15.4                   | 10.9           | 14,033.5                    | 0.0                    | 5.3                       | 3                | 0.0                    | 15.4                   | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>509</b>     | <b>100.0</b>   | <b>5.8</b>             | <b>100.0</b>   | <b>33.9</b>               | <b>9.1</b>             | <b>53.7</b>                 | <b>5,910</b>   | <b>100.0</b>   | <b>141.0</b>           | <b>100.0</b>   | <b>66.7</b>                 | <b>1.1</b>             | <b>0.5</b>                | <b>6,419</b>     | <b>6.8</b>             | <b>150.1</b>           | <b>23</b>             |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B21. Arkansas oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMB) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMB) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 337            | 18.4           | 0.1                  | 1.1            | 0.5                       | 0.0                    | 0.0                         | 386            | 4.0            | 0.4                    | 0.1            | 3.2                         | 0.0                    | 0.0                       | 723              | 0.1                    | 0.4                    | 39                    |
| 1 - 2                        | 262            | 14.3           | 0.1                  | 2.6            | 1.5                       | 0.0                    | 0.0                         | 457            | 4.7            | 1.4                    | 0.2            | 9.0                         | 0.0                    | 0.0                       | 719              | 0.1                    | 1.4                    | 18                    |
| 2 - 4                        | 361            | 19.7           | 0.4                  | 7.3            | 2.9                       | 0.0                    | 0.1                         | 910            | 9.4            | 5.9                    | 0.9            | 17.9                        | 0.0                    | 0.0                       | 1,271            | 0.4                    | 5.9                    | 26                    |
| 4 - 6                        | 279            | 15.2           | 0.5                  | 9.7            | 4.9                       | 0.1                    | 0.6                         | 725            | 7.5            | 7.7                    | 1.1            | 29.5                        | 0.0                    | 0.0                       | 1,004            | 0.5                    | 7.8                    | 43                    |
| 6 - 8                        | 142            | 7.7            | 0.3                  | 7.2            | 6.8                       | 0.1                    | 1.1                         | 512            | 5.3            | 7.6                    | 1.1            | 41.3                        | 0.0                    | 0.0                       | 654              | 0.4                    | 7.6                    | 53                    |
| 8 - 10                       | 100            | 5.5            | 0.3                  | 6.2            | 8.5                       | 0.1                    | 2.5                         | 387            | 4.0            | 7.5                    | 1.1            | 53.6                        | 0.0                    | 0.0                       | 487              | 0.3                    | 7.6                    | 73                    |
| <b>Subtotal &lt;=10</b>      | <b>1,481</b>   | <b>80.7</b>    | <b>1.6</b>           | <b>34.0</b>    | <b>3.4</b>                | <b>0.2</b>             | <b>0.4</b>                  | <b>3,377</b>   | <b>34.7</b>    | <b>30.5</b>            | <b>4.4</b>     | <b>25.5</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>4,858</b>     | <b>1.7</b>             | <b>30.7</b>            | <b>252</b>            |
| 10 - 12                      | 79             | 4.3            | 0.3                  | 5.7            | 10.0                      | 0.2                    | 5.6                         | 338            | 3.5            | 7.9                    | 1.2            | 65.0                        | 0.0                    | 0.1                       | 417              | 0.3                    | 8.1                    | 90                    |
| 12 - 15                      | 59             | 3.2            | 0.3                  | 5.4            | 12.5                      | 0.1                    | 5.0                         | 447            | 4.6            | 13.0                   | 1.9            | 80.4                        | 0.0                    | 0.1                       | 506              | 0.3                    | 13.1                   | 183                   |
| <b>Subtotal &lt;=15</b>      | <b>1,619</b>   | <b>88.2</b>    | <b>2.2</b>           | <b>45.2</b>    | <b>4.1</b>                | <b>0.5</b>             | <b>0.9</b>                  | <b>4,162</b>   | <b>42.8</b>    | <b>51.4</b>            | <b>7.4</b>     | <b>34.8</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>5,781</b>     | <b>2.2</b>             | <b>51.9</b>            | <b>525</b>            |
| 15 - 20                      | 82             | 4.5            | 0.5                  | 9.3            | 15.3                      | 0.3                    | 11.3                        | 586            | 6.0            | 22.0                   | 3.2            | 103.3                       | 0.0                    | 0.2                       | 668              | 0.5                    | 22.3                   | 358                   |
| 20 - 25                      | 41             | 2.2            | 0.3                  | 6.1            | 19.9                      | 0.2                    | 13.9                        | 497            | 5.1            | 24.1                   | 3.5            | 132.9                       | 0.0                    | 0.3                       | 538              | 0.3                    | 24.3                   | 370                   |
| 25 - 30                      | 25             | 1.4            | 0.2                  | 4.6            | 25.5                      | 0.1                    | 13.1                        | 462            | 4.8            | 27.5                   | 4.0            | 164.7                       | 0.0                    | 0.1                       | 487              | 0.2                    | 27.6                   | 397                   |
| 30 - 40                      | 26             | 1.4            | 0.3                  | 6.2            | 32.1                      | 0.1                    | 11.4                        | 945            | 9.7            | 71.8                   | 10.4           | 209.0                       | 0.0                    | 0.0                       | 971              | 0.3                    | 71.9                   | 892                   |
| 40 - 50                      | 15             | 0.8            | 0.2                  | 3.9            | 39.3                      | 0.1                    | 26.0                        | 702            | 7.2            | 68.4                   | 9.9            | 267.9                       | 0.0                    | 0.0                       | 717              | 0.2                    | 68.5                   | 676                   |
| 50 - 100                     | 18             | 1.0            | 0.4                  | 8.7            | 64.5                      | 0.0                    | 0.2                         | 1,962          | 20.2           | 297.4                  | 42.9           | 416.0                       | 0.0                    | 0.1                       | 1,980            | 0.5                    | 297.4                  | 1,926                 |
| <b>Subtotal &lt;=100</b>     | <b>1,826</b>   | <b>99.5</b>    | <b>4.1</b>           | <b>84.0</b>    | <b>6.6</b>                | <b>1.4</b>             | <b>2.2</b>                  | <b>9,316</b>   | <b>95.8</b>    | <b>562.5</b>           | <b>81.2</b>    | <b>167.8</b>                | <b>0.2</b>             | <b>0.1</b>                | <b>11,142</b>    | <b>4.3</b>             | <b>563.9</b>           | <b>5,144</b>          |
| 100 - 200                    | 4              | 0.2            | 0.2                  | 3.7            | 121.9                     | 0.1                    | 36.4                        | 356            | 3.7            | 94.5                   | 13.6           | 729.7                       | 0.0                    | 0.0                       | 360              | 0.2                    | 94.6                   | 353                   |
| 200 - 400                    | 3              | 0.2            | 0.2                  | 4.8            | 210.1                     | 0.2                    | 202.6                       | 41             | 0.4            | 22.5                   | 3.2            | 1,609.7                     | 0.0                    | 0.0                       | 44               | 0.2                    | 22.7                   | 41                    |
| 400 - 800                    | 2              | 0.1            | 0.4                  | 7.5            | 500.4                     | 0.4                    | 550.9                       | 14             | 0.1            | 12.4                   | 1.8            | 3,263.9                     | 0.0                    | 0.0                       | 16               | 0.4                    | 12.8                   | 14                    |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 1.3                    | 0.2            | 3,434.6                     | 0.2                    | 566.6                     | 1                | 0.2                    | 1.3                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>1,835</b>   | <b>100.0</b>   | <b>4.8</b>           | <b>100.0</b>   | <b>7.9</b>                | <b>2.0</b>             | <b>3.3</b>                  | <b>9,728</b>   | <b>100.0</b>   | <b>693.1</b>           | <b>100.0</b>   | <b>198.0</b>                | <b>0.4</b>             | <b>0.1</b>                | <b>11,563</b>    | <b>5.3</b>             | <b>695.2</b>           | <b>5,552</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B22. Arizona oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        | Total wells    |                             |                        |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 1              | 14.3           | 0.0                  | 6.5            | 1.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 3              | 42.9           | 0.0                  | 33.3           | 1.6                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 3              | 42.9           | 0.0                  | 60.1           | 3.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 4 - 6                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 2              | 66.7           | 0.0                    | 46.6           | 31.3                        | 0.0                    | 0.0                       | 2                | 0.0                    | 0.0                    | 0                     |
| 6 - 8                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 8 - 10                       | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>7</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>2.1</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>2</b>       | <b>66.7</b>    | <b>0.0</b>             | <b>46.6</b>    | <b>31.3</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>9</b>         | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 10 - 12                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 33.3           | 0.0                    | 53.4           | 71.6                        | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 12 - 15                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>7</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>2.1</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>3</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>44.7</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>10</b>        | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 15 - 20                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 20 - 25                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 25 - 30                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 30 - 40                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 40 - 50                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 50 - 100                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>7</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>2.1</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>3</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>44.7</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>10</b>        | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 100 - 200                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 200 - 400                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>7</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>2.1</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>3</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>44.7</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>10</b>        | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B23. California oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 6,155          | 13.1           | 0.9                    | 0.6            | 0.5                       | 0.1                    | 0.1                         | 442            | 11.7           | 0.3                    | 0.2            | 1.9                         | 0.0                    | 0.0                       | 6,597            | 0.9                    | 0.4                    | 82                    |
| 1 - 2                        | 5,251          | 11.2           | 2.6                    | 1.5            | 1.4                       | 0.5                    | 0.3                         | 233            | 6.2            | 0.6                    | 0.4            | 7.8                         | 0.0                    | 0.2                       | 5,484            | 2.6                    | 1.1                    | 97                    |
| 2 - 4                        | 7,523          | 16.0           | 7.4                    | 4.4            | 2.8                       | 1.7                    | 0.7                         | 391            | 10.4           | 2.1                    | 1.4            | 15.7                        | 0.1                    | 0.4                       | 7,914            | 7.5                    | 3.8                    | 154                   |
| 4 - 6                        | 5,653          | 12.0           | 9.3                    | 5.5            | 4.7                       | 2.7                    | 1.3                         | 320            | 8.5            | 2.8                    | 2.0            | 25.8                        | 0.1                    | 0.6                       | 5,973            | 9.4                    | 5.5                    | 152                   |
| 6 - 8                        | 4,121          | 8.8            | 9.5                    | 5.6            | 6.6                       | 3.3                    | 2.3                         | 271            | 7.2            | 3.3                    | 2.3            | 34.8                        | 0.1                    | 1.1                       | 4,392            | 9.6                    | 6.6                    | 137                   |
| 8 - 10                       | 2,940          | 6.2            | 8.7                    | 5.2            | 8.5                       | 2.8                    | 2.7                         | 221            | 5.9            | 3.4                    | 2.4            | 44.8                        | 0.1                    | 1.4                       | 3,161            | 8.8                    | 6.2                    | 102                   |
| <b>Subtotal &lt;=10</b>      | <b>31,643</b>  | <b>67.2</b>    | <b>38.5</b>            | <b>22.8</b>    | <b>3.6</b>                | <b>11.1</b>            | <b>1.0</b>                  | <b>1,878</b>   | <b>49.9</b>    | <b>12.5</b>            | <b>8.7</b>     | <b>19.9</b>                 | <b>0.4</b>             | <b>0.6</b>                | <b>33,521</b>    | <b>38.8</b>            | <b>23.5</b>            | <b>724</b>            |
| 10 - 12                      | 2,554          | 5.4            | 9.4                    | 5.5            | 10.4                      | 2.8                    | 3.1                         | 201            | 5.3            | 4.0                    | 2.8            | 56.0                        | 0.1                    | 1.6                       | 2,755            | 9.5                    | 6.8                    | 100                   |
| 12 - 15                      | 2,749          | 5.8            | 12.3                   | 7.3            | 12.8                      | 3.7                    | 3.8                         | 228            | 6.1            | 5.5                    | 3.8            | 68.5                        | 0.2                    | 2.0                       | 2,977            | 12.5                   | 9.2                    | 124                   |
| <b>Subtotal &lt;=15</b>      | <b>36,946</b>  | <b>78.4</b>    | <b>60.2</b>            | <b>35.6</b>    | <b>4.8</b>                | <b>17.6</b>            | <b>1.4</b>                  | <b>2,307</b>   | <b>61.3</b>    | <b>21.9</b>            | <b>15.2</b>    | <b>28.3</b>                 | <b>0.6</b>             | <b>0.8</b>                | <b>39,253</b>    | <b>60.8</b>            | <b>39.5</b>            | <b>948</b>            |
| 15 - 20                      | 3,094          | 6.6            | 17.7                   | 10.5           | 16.5                      | 5.5                    | 5.1                         | 289            | 7.7            | 8.8                    | 6.1            | 86.6                        | 0.3                    | 2.9                       | 3,383            | 18.0                   | 14.3                   | 181                   |
| 20 - 25                      | 1,972          | 4.2            | 14.4                   | 8.6            | 21.2                      | 4.6                    | 6.8                         | 181            | 4.8            | 7.2                    | 5.0            | 112.9                       | 0.2                    | 3.7                       | 2,153            | 14.7                   | 11.8                   | 119                   |
| 25 - 30                      | 1,331          | 2.8            | 12.0                   | 7.1            | 26.1                      | 3.6                    | 7.9                         | 168            | 4.5            | 8.0                    | 5.6            | 135.8                       | 0.3                    | 4.6                       | 1,499            | 12.2                   | 11.6                   | 85                    |
| 30 - 40                      | 1,522          | 3.2            | 17.0                   | 10.1           | 32.6                      | 5.4                    | 10.4                        | 242            | 6.4            | 14.7                   | 10.3           | 172.9                       | 0.5                    | 6.0                       | 1,764            | 17.5                   | 20.2                   | 113                   |
| 40 - 50                      | 809            | 1.7            | 11.7                   | 6.9            | 42.2                      | 3.5                    | 12.7                        | 155            | 4.1            | 12.5                   | 8.7            | 230.2                       | 0.4                    | 6.6                       | 964              | 12.0                   | 16.0                   | 77                    |
| 50 - 100                     | 1,141          | 2.4            | 24.1                   | 14.3           | 63.7                      | 6.4                    | 16.9                        | 332            | 8.8            | 41.1                   | 28.6           | 353.9                       | 1.3                    | 11.3                      | 1,473            | 25.4                   | 47.5                   | 123                   |
| <b>Subtotal &lt;=100</b>     | <b>46,815</b>  | <b>99.4</b>    | <b>157.0</b>           | <b>93.0</b>    | <b>9.8</b>                | <b>46.6</b>            | <b>2.9</b>                  | <b>3,674</b>   | <b>97.6</b>    | <b>114.2</b>           | <b>79.5</b>    | <b>91.0</b>                 | <b>3.6</b>             | <b>2.9</b>                | <b>50,489</b>    | <b>160.6</b>           | <b>160.9</b>           | <b>1,646</b>          |
| 100 - 200                    | 242            | 0.5            | 8.6                    | 5.1            | 125.9                     | 2.0                    | 29.8                        | 81             | 2.2            | 16.9                   | 11.8           | 620.1                       | 0.5                    | 19.1                      | 323              | 9.2                    | 18.9                   | 29                    |
| 200 - 400                    | 50             | 0.1            | 3.0                    | 1.8            | 234.8                     | 0.9                    | 70.4                        | 7              | 0.2            | 2.6                    | 1.8            | 1,382.4                     | 0.0                    | 12.3                      | 57               | 3.1                    | 3.5                    | 8                     |
| 400 - 800                    | 3              | 0.0            | 0.2                    | 0.1            | 442.8                     | 0.0                    | 90.8                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.2                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 1.0                    | 0.7            | 16,549.2                    | 0.0                    | 47.5                      | 1                | 0.0                    | 1.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 9.0                    | 6.3            | 290,419.4                   | 0.0                    | 0.0                       | 1                | 0.0                    | 9.0                    | 0                     |
| <b>Total</b>                 | <b>47,110</b>  | <b>100.0</b>   | <b>168.9</b>           | <b>100.0</b>   | <b>10.5</b>               | <b>49.6</b>            | <b>3.1</b>                  | <b>3,764</b>   | <b>100.0</b>   | <b>143.8</b>           | <b>100.0</b>   | <b>111.9</b>                | <b>4.2</b>             | <b>3.2</b>                | <b>50,874</b>    | <b>173.0</b>           | <b>193.4</b>           | <b>1,683</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.



Table B24. Colorado oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 2,131          | 23.8           | 0.2                    | 0.2            | 0.3                       | 0.3                    | 0.5                         | 7,175          | 15.9           | 5.1                    | 0.4            | 2.6                         | 0.1                    | 0.0                       | 9,306            | 0.2                    | 5.4                    | 42                    |
| 1 - 2                        | 951            | 10.6           | 0.3                    | 0.3            | 1.1                       | 0.6                    | 2.1                         | 4,815          | 10.7           | 11.9                   | 0.8            | 8.0                         | 0.2                    | 0.1                       | 5,766            | 0.5                    | 12.5                   | 20                    |
| 2 - 4                        | 1,098          | 12.3           | 0.7                    | 0.8            | 2.2                       | 1.3                    | 4.2                         | 7,133          | 15.8           | 34.3                   | 2.4            | 15.6                        | 0.7                    | 0.3                       | 8,231            | 1.4                    | 35.6                   | 46                    |
| 4 - 6                        | 535            | 6.0            | 0.6                    | 0.6            | 3.8                       | 1.1                    | 7.1                         | 4,333          | 9.6            | 34.8                   | 2.4            | 26.4                        | 0.7                    | 0.5                       | 4,868            | 1.3                    | 35.9                   | 68                    |
| 6 - 8                        | 278            | 3.1            | 0.5                    | 0.5            | 5.7                       | 0.6                    | 7.6                         | 2,884          | 6.4            | 35.4                   | 2.5            | 38.7                        | 0.5                    | 0.5                       | 3,162            | 1.0                    | 36.0                   | 46                    |
| 8 - 10                       | 176            | 2.0            | 0.4                    | 0.5            | 7.6                       | 0.4                    | 8.1                         | 2,386          | 5.3            | 40.7                   | 2.8            | 51.2                        | 0.4                    | 0.5                       | 2,562            | 0.8                    | 41.2                   | 69                    |
| <b>Subtotal &lt;=10</b>      | <b>5,169</b>   | <b>57.8</b>    | <b>2.6</b>             | <b>2.9</b>     | <b>1.9</b>                | <b>4.2</b>             | <b>3.1</b>                  | <b>28,726</b>  | <b>63.6</b>    | <b>162.3</b>           | <b>11.2</b>    | <b>18.6</b>                 | <b>2.6</b>             | <b>0.3</b>                | <b>33,895</b>    | <b>5.1</b>             | <b>166.5</b>           | <b>291</b>            |
| 10 - 12                      | 130            | 1.5            | 0.4                    | 0.4            | 9.1                       | 0.5                    | 11.7                        | 2,126          | 4.7            | 46.2                   | 3.2            | 63.5                        | 0.3                    | 0.4                       | 2,256            | 0.7                    | 46.7                   | 67                    |
| 12 - 15                      | 198            | 2.2            | 0.7                    | 0.8            | 11.0                      | 1.0                    | 15.2                        | 2,448          | 5.4            | 65.8                   | 4.6            | 78.0                        | 0.4                    | 0.4                       | 2,646            | 1.1                    | 66.8                   | 114                   |
| <b>Subtotal &lt;=15</b>      | <b>5,497</b>   | <b>61.4</b>    | <b>3.7</b>             | <b>4.1</b>     | <b>2.5</b>                | <b>5.7</b>             | <b>3.9</b>                  | <b>33,300</b>  | <b>73.7</b>    | <b>274.3</b>           | <b>19.0</b>    | <b>26.7</b>                 | <b>3.2</b>             | <b>0.3</b>                | <b>38,797</b>    | <b>6.9</b>             | <b>280.0</b>           | <b>472</b>            |
| 15 - 20                      | 295            | 3.3            | 1.3                    | 1.5            | 13.7                      | 2.3                    | 23.3                        | 2,703          | 6.0            | 94.1                   | 6.5            | 100.1                       | 0.5                    | 0.6                       | 2,998            | 1.9                    | 96.4                   | 238                   |
| 20 - 25                      | 288            | 3.2            | 1.6                    | 1.8            | 16.7                      | 3.3                    | 34.2                        | 1,529          | 3.4            | 67.8                   | 4.7            | 128.4                       | 0.5                    | 0.9                       | 1,817            | 2.1                    | 71.1                   | 283                   |
| 25 - 30                      | 236            | 2.6            | 1.6                    | 1.8            | 20.2                      | 3.5                    | 43.5                        | 992            | 2.2            | 53.8                   | 3.7            | 155.1                       | 0.6                    | 1.6                       | 1,228            | 2.2                    | 57.3                   | 272                   |
| 30 - 40                      | 364            | 4.1            | 2.9                    | 3.3            | 24.7                      | 7.2                    | 60.5                        | 1,290          | 2.9            | 86.8                   | 6.0            | 192.6                       | 1.2                    | 2.6                       | 1,654            | 4.1                    | 94.0                   | 505                   |
| 40 - 50                      | 247            | 2.8            | 2.4                    | 2.7            | 30.4                      | 6.6                    | 83.3                        | 981            | 2.2            | 82.1                   | 5.7            | 239.3                       | 1.7                    | 4.9                       | 1,228            | 4.1                    | 88.7                   | 482                   |
| 50 - 100                     | 524            | 5.9            | 7.7                    | 8.6            | 47.3                      | 21.6                   | 133.1                       | 2,449          | 5.4            | 305.7                  | 21.1           | 362.5                       | 7.9                    | 9.4                       | 2,973            | 15.6                   | 327.3                  | 1,445                 |
| <b>Subtotal &lt;=100</b>     | <b>7,451</b>   | <b>83.3</b>    | <b>21.3</b>            | <b>23.8</b>    | <b>10.1</b>               | <b>50.2</b>            | <b>23.8</b>                 | <b>43,244</b>  | <b>95.7</b>    | <b>964.5</b>           | <b>66.7</b>    | <b>70.2</b>                 | <b>15.6</b>            | <b>1.1</b>                | <b>50,695</b>    | <b>36.9</b>            | <b>1,014.7</b>         | <b>3,697</b>          |
| 100 - 200                    | 335            | 3.7            | 8.0                    | 8.9            | 100.0                     | 20.6                   | 259.6                       | 1,357          | 3.0            | 272.4                  | 18.8           | 662.7                       | 10.4                   | 25.4                      | 1,692            | 18.4                   | 293.1                  | 1,127                 |
| 200 - 400                    | 622            | 7.0            | 22.8                   | 25.5           | 200.6                     | 64.9                   | 570.5                       | 489            | 1.1            | 154.1                  | 10.7           | 1,142.8                     | 9.4                    | 70.0                      | 1,111            | 32.2                   | 219.0                  | 940                   |
| 400 - 800                    | 488            | 5.5            | 30.7                   | 34.3           | 366.8                     | 78.5                   | 939.6                       | 82             | 0.2            | 50.7                   | 3.5            | 2,275.2                     | 3.5                    | 157.7                     | 570              | 34.2                   | 129.3                  | 544                   |
| 800 - 1,600                  | 52             | 0.6            | 6.7                    | 7.5            | 611.7                     | 19.7                   | 1,790.7                     | 5              | 0.0            | 4.5                    | 0.3            | 4,104.5                     | 0.2                    | 193.0                     | 57               | 6.9                    | 24.2                   | 57                    |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 0.3                    | 0.0            | 9,726.9                     | 0.0                    | 0.0                       | 1                | 0.0                    | 0.3                    | 1                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>8,948</b>   | <b>100.0</b>   | <b>89.4</b>            | <b>100.0</b>   | <b>37.4</b>               | <b>233.9</b>           | <b>97.7</b>                 | <b>45,178</b>  | <b>100.0</b>   | <b>1,446.6</b>         | <b>100.0</b>   | <b>101.1</b>                | <b>39.2</b>            | <b>2.7</b>                | <b>54,126</b>    | <b>128.6</b>           | <b>1,680.5</b>         | <b>6,366</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B25. Federal GOM oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 47             | 1.7            | 0.0                  | 0.0            | 0.3                       | 0.0                    | 0.2                         | 46             | 5.3            | 0.0                    | 0.0            | 1.8                         | 0.0                    | 0.0                       | 93               | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 21             | 0.7            | 0.0                  | 0.0            | 1.3                       | 0.0                    | 1.5                         | 13             | 1.5            | 0.0                    | 0.0            | 8.2                         | 0.0                    | 0.1                       | 34               | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 35             | 1.2            | 0.0                  | 0.0            | 2.3                       | 0.0                    | 3.1                         | 23             | 2.6            | 0.1                    | 0.0            | 15.0                        | 0.0                    | 0.4                       | 58               | 0.0                    | 0.1                    | 0                     |
| 4 - 6                        | 46             | 1.6            | 0.1                  | 0.0            | 4.1                       | 0.1                    | 4.9                         | 38             | 4.3            | 0.3                    | 0.1            | 26.8                        | 0.0                    | 0.5                       | 84               | 0.1                    | 0.3                    | 0                     |
| 6 - 8                        | 37             | 1.3            | 0.1                  | 0.0            | 5.5                       | 0.1                    | 8.8                         | 23             | 2.6            | 0.2                    | 0.1            | 32.7                        | 0.0                    | 1.5                       | 60               | 0.1                    | 0.3                    | 0                     |
| 8 - 10                       | 34             | 1.2            | 0.1                  | 0.0            | 7.7                       | 0.1                    | 8.5                         | 23             | 2.6            | 0.3                    | 0.1            | 40.9                        | 0.0                    | 2.1                       | 57               | 0.1                    | 0.4                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>220</b>     | <b>7.7</b>     | <b>0.2</b>           | <b>0.0</b>     | <b>3.9</b>                | <b>0.3</b>             | <b>5.0</b>                  | <b>166</b>     | <b>19.0</b>    | <b>0.9</b>             | <b>0.2</b>     | <b>20.7</b>                 | <b>0.0</b>             | <b>0.8</b>                | <b>386</b>       | <b>0.3</b>             | <b>1.2</b>             | <b>0</b>              |
| 10 - 12                      | 37             | 1.3            | 0.1                  | 0.0            | 9.1                       | 0.1                    | 11.3                        | 20             | 2.3            | 0.3                    | 0.1            | 52.3                        | 0.0                    | 2.1                       | 57               | 0.1                    | 0.4                    | 0                     |
| 12 - 15                      | 72             | 2.5            | 0.3                  | 0.0            | 11.3                      | 0.3                    | 13.6                        | 18             | 2.1            | 0.2                    | 0.1            | 58.1                        | 0.0                    | 3.9                       | 90               | 0.3                    | 0.5                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>329</b>     | <b>11.6</b>    | <b>0.6</b>           | <b>0.1</b>     | <b>6.4</b>                | <b>0.7</b>             | <b>7.9</b>                  | <b>204</b>     | <b>23.3</b>    | <b>1.4</b>             | <b>0.3</b>     | <b>26.8</b>                 | <b>0.1</b>             | <b>1.1</b>                | <b>533</b>       | <b>0.6</b>             | <b>2.1</b>             | <b>0</b>              |
| 15 - 20                      | 96             | 3.4            | 0.5                  | 0.1            | 14.3                      | 0.7                    | 20.6                        | 39             | 4.5            | 0.9                    | 0.2            | 90.8                        | 0.0                    | 2.3                       | 135              | 0.5                    | 1.6                    | 0                     |
| 20 - 25                      | 109            | 3.8            | 0.7                  | 0.1            | 18.2                      | 1.0                    | 27.3                        | 30             | 3.4            | 0.9                    | 0.2            | 105.5                       | 0.0                    | 4.5                       | 139              | 0.7                    | 1.9                    | 0                     |
| 25 - 30                      | 118            | 4.1            | 0.9                  | 0.2            | 22.6                      | 1.2                    | 29.1                        | 30             | 3.4            | 1.4                    | 0.3            | 138.7                       | 0.0                    | 4.5                       | 148              | 0.9                    | 2.5                    | 0                     |
| 30 - 40                      | 230            | 8.1            | 2.3                  | 0.4            | 28.6                      | 3.0                    | 37.6                        | 57             | 6.5            | 2.7                    | 0.6            | 176.7                       | 0.1                    | 5.3                       | 287              | 2.3                    | 5.7                    | 0                     |
| 40 - 50                      | 193            | 6.8            | 2.5                  | 0.4            | 37.5                      | 3.0                    | 44.7                        | 32             | 3.7            | 2.1                    | 0.5            | 227.3                       | 0.1                    | 7.1                       | 225              | 2.6                    | 5.0                    | 0                     |
| 50 - 100                     | 577            | 20.3           | 11.8                 | 2.0            | 59.6                      | 13.3                   | 67.3                        | 111            | 12.7           | 11.9                   | 2.6            | 372.1                       | 0.4                    | 11.4                      | 688              | 12.2                   | 25.2                   | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>1,652</b>   | <b>58.0</b>    | <b>19.1</b>          | <b>3.2</b>     | <b>35.4</b>               | <b>22.8</b>            | <b>42.1</b>                 | <b>503</b>     | <b>57.5</b>    | <b>21.2</b>            | <b>4.7</b>     | <b>155.6</b>                | <b>0.7</b>             | <b>4.9</b>                | <b>2,155</b>     | <b>19.8</b>            | <b>44.0</b>            | <b>0</b>              |
| 100 - 200                    | 440            | 15.5           | 17.6                 | 2.9            | 116.5                     | 18.8                   | 124.5                       | 116            | 13.3           | 27.2                   | 6.0            | 784.8                       | 0.6                    | 17.7                      | 556              | 18.2                   | 46.0                   | 0                     |
| 200 - 400                    | 223            | 7.8            | 16.9                 | 2.8            | 231.3                     | 18.4                   | 252.3                       | 108            | 12.3           | 47.6                   | 10.5           | 1,550.4                     | 0.9                    | 29.4                      | 331              | 17.8                   | 66.0                   | 0                     |
| 400 - 800                    | 163            | 5.7            | 25.2                 | 4.2            | 474.3                     | 32.0                   | 603.1                       | 72             | 8.2            | 65.0                   | 14.4           | 3,203.1                     | 1.1                    | 55.9                      | 235              | 26.3                   | 97.0                   | 0                     |
| 800 - 1,600                  | 105            | 3.7            | 31.5                 | 5.2            | 939.7                     | 33.7                   | 1,006.0                     | 45             | 5.1            | 87.1                   | 19.2           | 5,870.2                     | 1.9                    | 125.3                     | 150              | 33.4                   | 120.9                  | 0                     |
| 1,600 - 3,200                | 75             | 2.6            | 47.5                 | 7.9            | 1,904.5                   | 52.7                   | 2,112.4                     | 22             | 2.5            | 78.8                   | 17.4           | 11,828.1                    | 2.2                    | 333.6                     | 97               | 49.7                   | 131.5                  | 0                     |
| 3,200 - 6,400                | 79             | 2.9            | 104.2                | 17.3           | 3,857.2                   | 115.1                  | 4,259.5                     | 5              | 0.6            | 30.4                   | 6.7            | 17,243.4                    | 1.1                    | 640.3                     | 88               | 105.3                  | 145.5                  | 0                     |
| 6,400 - 12,800               | 79             | 2.8            | 199.2                | 33.1           | 7,588.2                   | 213.9                  | 8,144.6                     | 2              | 0.2            | 27.3                   | 6.0            | 39,035.9                    | 1.2                    | 1,713.2                   | 81               | 200.4                  | 241.1                  | 0                     |
| > 12,800                     | 27             | 1.0            | 141.5                | 23.5           | 14,815.0                  | 122.1                  | 12,780.5                    | 2              | 0.2            | 68.3                   | 15.1           | 140,843.9                   | 0.4                    | 845.8                     | 29               | 142.0                  | 190.4                  | 0                     |
| <b>Total</b>                 | <b>2,847</b>   | <b>100.0</b>   | <b>602.8</b>         | <b>100.0</b>   | <b>641.7</b>              | <b>629.4</b>           | <b>670.1</b>                | <b>875</b>     | <b>100.0</b>   | <b>452.9</b>           | <b>100.0</b>   | <b>1,837.6</b>              | <b>10.1</b>            | <b>41.2</b>               | <b>3,722</b>     | <b>612.9</b>           | <b>1,082.3</b>         | <b>0</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014–17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B26. Florida oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMb | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 2              | 6.7            | 0.0                  | 0.0            | 1.6                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 2                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 4 - 6                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 2.5            | 0.0                    | 0.0            | 30.4                        | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 6 - 8                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 8 - 10                       | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>2</b>       | <b>6.7</b>     | <b>0.0</b>           | <b>0.0</b>     | <b>1.6</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>1</b>       | <b>2.5</b>     | <b>0.0</b>             | <b>0.0</b>     | <b>30.4</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>3</b>         | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 10 - 12                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 12 - 15                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>2</b>       | <b>6.7</b>     | <b>0.0</b>           | <b>0.0</b>     | <b>1.6</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>1</b>       | <b>2.5</b>     | <b>0.0</b>             | <b>0.0</b>     | <b>30.4</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>3</b>         | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 15 - 20                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 2.5            | 0.0                    | 0.1            | 52.7                        | 0.0                    | 6.5                       | 1                | 0.0                    | 0.0                    | 0                     |
| 20 - 25                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 2.5            | 0.0                    | 0.1            | 125.1                       | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 25 - 30                      | 1              | 3.3            | 0.0                  | 1.3            | 29.2                      | 0.0                    | 3.2                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 30 - 40                      | 4              | 13.3           | 0.0                  | 5.1            | 27.6                      | 0.1                    | 36.0                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 4                | 0.0                    | 0.1                    | 0                     |
| 40 - 50                      | 4              | 13.3           | 0.1                  | 6.5            | 35.3                      | 0.1                    | 63.2                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 4                | 0.1                    | 0.1                    | 0                     |
| 50 - 100                     | 10             | 33.3           | 0.2                  | 27.8           | 68.4                      | 0.1                    | 20.3                        | 1              | 2.5            | 0.1                    | 0.6            | 328.0                       | 0.0                    | 45.0                      | 11               | 0.2                    | 0.2                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>21</b>      | <b>70.0</b>    | <b>0.3</b>           | <b>40.7</b>    | <b>48.8</b>               | <b>0.2</b>             | <b>31.9</b>                 | <b>4</b>       | <b>10.0</b>    | <b>0.2</b>             | <b>0.8</b>     | <b>152.2</b>                | <b>0.0</b>             | <b>16.8</b>               | <b>25</b>        | <b>0.3</b>             | <b>0.4</b>             | <b>0</b>              |
| 100 - 200                    | 6              | 20.0           | 0.3                  | 34.5           | 125.1                     | 0.2                    | 74.6                        | 10             | 25.0           | 2.0                    | 9.2            | 704.2                       | 0.1                    | 38.8                      | 16               | 0.4                    | 2.2                    | 0                     |
| 200 - 400                    | 2              | 6.7            | 0.1                  | 14.7           | 173.8                     | 0.5                    | 718.0                       | 15             | 37.5           | 7.0                    | 32.2           | 1,276.7                     | 0.4                    | 77.1                      | 17               | 0.5                    | 7.5                    | 0                     |
| 400 - 800                    | 1              | 3.3            | 0.1                  | 10.2           | 221.0                     | 0.4                    | 1,127.4                     | 8              | 20.0           | 7.3                    | 33.5           | 2,519.2                     | 0.3                    | 115.8                     | 9                | 0.4                    | 7.7                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 3              | 7.5            | 5.3                    | 24.4           | 4,847.7                     | 0.2                    | 224.0                     | 3                | 0.2                    | 5.3                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>30</b>      | <b>100.0</b>   | <b>0.8</b>           | <b>100.0</b>   | <b>80.6</b>               | <b>1.3</b>             | <b>128.7</b>                | <b>40</b>      | <b>100.0</b>   | <b>21.7</b>            | <b>100.0</b>   | <b>1,621.1</b>              | <b>1.1</b>             | <b>84.3</b>               | <b>70</b>        | <b>1.9</b>             | <b>23.0</b>            | <b>0</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B27. Federal Pacific oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 1              | 0.4            | 0.0                  | 0.0            | 0.5                       | 0.0                    | 0.0                         | 1              | 6.3            | 0.0                    | 0.1            | 2.6                         | 0.0                    | 0.0                       | 2                | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 1              | 0.4            | 0.0                  | 0.0            | 1.0                       | 0.0                    | 2.3                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 3              | 1.0            | 0.0                  | 0.1            | 2.8                       | 0.0                    | 2.4                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 4 - 6                        | 7              | 2.4            | 0.0                  | 0.2            | 4.2                       | 0.0                    | 6.1                         | 1              | 6.3            | 0.0                    | 0.1            | 23.4                        | 0.0                    | 0.0                       | 8                | 0.0                    | 0.0                    | 0                     |
| 6 - 8                        | 7              | 2.4            | 0.0                  | 0.2            | 5.5                       | 0.0                    | 7.2                         | 1              | 6.3            | 0.0                    | 1.0            | 27.7                        | 0.0                    | 2.2                       | 8                | 0.0                    | 0.0                    | 0                     |
| 8 - 10                       | 14             | 4.9            | 0.0                  | 0.6            | 7.7                       | 0.0                    | 7.7                         | 1              | 6.3            | 0.0                    | 0.5            | 33.4                        | 0.0                    | 0.0                       | 15               | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>33</b>      | <b>11.5</b>    | <b>0.1</b>           | <b>1.0</b>     | <b>5.7</b>                | <b>0.1</b>             | <b>6.4</b>                  | <b>4</b>       | <b>25.0</b>    | <b>0.0</b>             | <b>1.7</b>     | <b>16.8</b>                 | <b>0.0</b>             | <b>1.4</b>                | <b>37</b>        | <b>0.1</b>             | <b>0.1</b>             | <b>0</b>              |
| 10 - 12                      | 16             | 5.6            | 0.0                  | 0.8            | 9.2                       | 0.1                    | 10.9                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 16               | 0.0                    | 0.1                    | 0                     |
| 12 - 15                      | 12             | 4.2            | 0.0                  | 0.8            | 11.4                      | 0.0                    | 11.1                        | 1              | 6.3            | 0.0                    | 2.3            | 48.8                        | 0.0                    | 6.8                       | 13               | 0.1                    | 0.1                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>61</b>      | <b>21.2</b>    | <b>0.2</b>           | <b>2.7</b>     | <b>7.8</b>                | <b>0.2</b>             | <b>8.6</b>                  | <b>5</b>       | <b>31.3</b>    | <b>0.0</b>             | <b>4.0</b>     | <b>26.9</b>                 | <b>0.0</b>             | <b>3.1</b>                | <b>66</b>        | <b>0.2</b>             | <b>0.2</b>             | <b>0</b>              |
| 15 - 20                      | 27             | 9.4            | 0.2                  | 2.6            | 15.9                      | 0.1                    | 9.9                         | 2              | 12.5           | 0.0                    | 5.4            | 58.3                        | 0.0                    | 6.8                       | 29               | 0.2                    | 0.1                    | 0                     |
| 20 - 25                      | 19             | 6.6            | 0.1                  | 2.5            | 20.7                      | 0.1                    | 10.2                        | 1              | 6.3            | 0.0                    | 3.6            | 84.6                        | 0.0                    | 7.5                       | 20               | 0.1                    | 0.1                    | 0                     |
| 25 - 30                      | 19             | 6.6            | 0.2                  | 3.0            | 25.6                      | 0.1                    | 12.0                        | 2              | 12.5           | 0.1                    | 9.5            | 102.2                       | 0.0                    | 10.6                      | 21               | 0.2                    | 0.2                    | 0                     |
| 30 - 40                      | 31             | 10.8           | 0.3                  | 5.6            | 29.7                      | 0.3                    | 28.5                        | 1              | 6.3            | 0.1                    | 8.4            | 196.9                       | 0.0                    | 0.0                       | 32               | 0.3                    | 0.4                    | 0                     |
| 40 - 50                      | 22             | 7.6            | 0.3                  | 5.3            | 38.4                      | 0.3                    | 38.0                        | 2              | 12.5           | 0.1                    | 17.6           | 189.7                       | 0.0                    | 14.5                      | 24               | 0.3                    | 0.4                    | 0                     |
| 50 - 100                     | 62             | 21.5           | 1.3                  | 22.9           | 60.7                      | 1.0                    | 45.0                        | 2              | 12.5           | 0.2                    | 19.4           | 228.2                       | 0.0                    | 27.5                      | 64               | 1.3                    | 1.1                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>241</b>     | <b>83.7</b>    | <b>2.6</b>           | <b>44.6</b>    | <b>30.8</b>               | <b>2.0</b>             | <b>24.0</b>                 | <b>15</b>      | <b>93.8</b>    | <b>0.5</b>             | <b>67.8</b>    | <b>113.9</b>                | <b>0.0</b>             | <b>10.2</b>               | <b>256</b>       | <b>2.6</b>             | <b>2.5</b>             | <b>0</b>              |
| 100 - 200                    | 31             | 10.8           | 1.4                  | 23.5           | 127.1                     | 0.5                    | 48.5                        | 1              | 6.3            | 0.3                    | 32.2           | 694.0                       | 0.0                    | 39.8                      | 32               | 1.4                    | 0.8                    | 0                     |
| 200 - 400                    | 11             | 3.8            | 0.9                  | 16.3           | 258.5                     | 0.3                    | 93.9                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 11               | 0.9                    | 0.3                    | 0                     |
| 400 - 800                    | 5              | 1.7            | 0.9                  | 15.6           | 494.1                     | 0.3                    | 182.6                       | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 5                | 0.9                    | 0.3                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>288</b>     | <b>100.0</b>   | <b>5.8</b>           | <b>100.0</b>   | <b>57.8</b>               | <b>3.2</b>             | <b>32.1</b>                 | <b>16</b>      | <b>100.0</b>   | <b>0.8</b>             | <b>100.0</b>   | <b>155.9</b>                | <b>0.1</b>             | <b>12.4</b>               | <b>304</b>       | <b>5.8</b>             | <b>4.0</b>             | <b>0</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B28. Kansas oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                |                             |                |                |                        |                | Total wells                 |                        |                           |                  |                        |                        |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|----------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) |
| 0 - 1                        | 28,806         | 56.4           | 3.1                    | 9.2            | 0.3                       | 0.1                    | 0.0            | 4,053                       | 18.4           | 3.3            | 1.6                    | 2.5            | 0.0                         | 0.0                    | 32,859                    | 3.2              | 3.4                    | 1                      |
| 1 - 2                        | 9,122          | 17.9           | 4.5                    | 13.0           | 1.5                       | 0.1                    | 0.0            | 3,166                       | 14.4           | 9.9            | 4.7                    | 8.9            | 0.0                         | 0.0                    | 12,288                    | 4.5              | 10.0                   | 0                      |
| 2 - 4                        | 8,059          | 15.8           | 7.8                    | 22.8           | 2.8                       | 0.4                    | 0.1            | 5,100                       | 23.2           | 32.0           | 15.2                   | 17.6           | 0.1                         | 0.0                    | 13,159                    | 7.9              | 32.4                   | 0                      |
| 4 - 6                        | 2,343          | 4.6            | 3.9                    | 11.3           | 4.7                       | 0.4                    | 0.5            | 4,379                       | 19.9           | 46.0           | 21.9                   | 29.2           | 0.1                         | 0.1                    | 6,722                     | 4.0              | 46.5                   | 0                      |
| 6 - 8                        | 898            | 1.8            | 2.1                    | 6.2            | 6.8                       | 0.3                    | 1.0            | 2,669                       | 12.1           | 38.9           | 18.5                   | 40.6           | 0.1                         | 0.1                    | 3,567                     | 2.2              | 39.2                   | 0                      |
| 8 - 10                       | 472            | 0.9            | 1.5                    | 4.2            | 8.7                       | 0.2                    | 0.9            | 1,209                       | 5.5            | 22.4           | 10.7                   | 52.1           | 0.1                         | 0.1                    | 1,681                     | 1.5              | 22.6                   | 0                      |
| <b>Subtotal &lt;=10</b>      | <b>49,700</b>  | <b>97.3</b>    | <b>22.9</b>            | <b>66.6</b>    | <b>1.4</b>                | <b>1.5</b>             | <b>0.1</b>     | <b>20,576</b>               | <b>93.4</b>    | <b>152.6</b>   | <b>72.5</b>            | <b>21.1</b>    | <b>0.4</b>                  | <b>0.1</b>             | <b>70,276</b>             | <b>23.3</b>      | <b>154.1</b>           | <b>1</b>               |
| 10 - 12                      | 304            | 0.6            | 1.1                    | 3.3            | 10.7                      | 0.1                    | 1.2            | 530                         | 2.4            | 11.8           | 5.6                    | 63.0           | 0.1                         | 0.3                    | 834                       | 1.2              | 11.9                   | 0                      |
| 12 - 15                      | 259            | 0.5            | 1.2                    | 3.5            | 13.1                      | 0.2                    | 2.6            | 325                         | 1.5            | 8.2            | 3.9                    | 75.1           | 0.1                         | 0.7                    | 584                       | 1.3              | 8.4                    | 1                      |
| <b>Subtotal &lt;=15</b>      | <b>50,263</b>  | <b>98.4</b>    | <b>25.2</b>            | <b>73.5</b>    | <b>1.5</b>                | <b>1.8</b>             | <b>0.1</b>     | <b>21,431</b>               | <b>97.3</b>    | <b>172.6</b>   | <b>82.0</b>            | <b>22.9</b>    | <b>0.5</b>                  | <b>0.1</b>             | <b>71,694</b>             | <b>25.8</b>      | <b>174.4</b>           | <b>2</b>               |
| 15 - 20                      | 295            | 0.6            | 1.8                    | 5.1            | 16.8                      | 0.3                    | 3.0            | 191                         | 0.9            | 5.9            | 2.8                    | 95.6           | 0.1                         | 1.1                    | 486                       | 1.8              | 6.3                    | 0                      |
| 20 - 25                      | 159            | 0.3            | 1.2                    | 3.5            | 21.6                      | 0.2                    | 4.4            | 105                         | 0.5            | 4.1            | 1.9                    | 119.8          | 0.1                         | 2.3                    | 264                       | 1.3              | 4.3                    | 1                      |
| 25 - 30                      | 110            | 0.2            | 1.0                    | 2.9            | 27.1                      | 0.1                    | 3.9            | 64                          | 0.3            | 2.8            | 1.3                    | 141.2          | 0.1                         | 3.9                    | 174                       | 1.1              | 2.9                    | 0                      |
| 30 - 40                      | 116            | 0.2            | 1.2                    | 3.6            | 33.3                      | 0.2                    | 4.5            | 79                          | 0.4            | 3.9            | 1.8                    | 183.4          | 0.1                         | 3.6                    | 195                       | 1.3              | 4.0                    | 0                      |
| 40 - 50                      | 38             | 0.1            | 0.5                    | 1.5            | 42.7                      | 0.1                    | 9.0            | 48                          | 0.2            | 3.3            | 1.6                    | 232.5          | 0.1                         | 5.7                    | 86                        | 0.6              | 3.4                    | 0                      |
| 50 - 100                     | 77             | 0.2            | 1.7                    | 4.9            | 67.8                      | 0.4                    | 17.5           | 77                          | 0.4            | 8.2            | 3.9                    | 350.1          | 0.2                         | 9.1                    | 154                       | 1.9              | 8.6                    | 0                      |
| <b>Subtotal &lt;=100</b>     | <b>51,058</b>  | <b>99.9</b>    | <b>32.6</b>            | <b>95.0</b>    | <b>1.9</b>                | <b>3.2</b>             | <b>0.2</b>     | <b>21,995</b>               | <b>99.8</b>    | <b>200.8</b>   | <b>95.4</b>            | <b>26.1</b>    | <b>1.1</b>                  | <b>0.1</b>             | <b>73,053</b>             | <b>33.7</b>      | <b>204.1</b>           | <b>3</b>               |
| 100 - 200                    | 18             | 0.0            | 0.6                    | 1.6            | 119.2                     | 0.6                    | 125.4          | 29                          | 0.1            | 6.2            | 2.9                    | 648.1          | 0.2                         | 20.3                   | 47                        | 0.7              | 6.7                    | 0                      |
| 200 - 400                    | 19             | 0.0            | 1.2                    | 3.4            | 222.5                     | 0.3                    | 48.7           | 7                           | 0.0            | 2.9            | 1.4                    | 1,120.0        | 0.2                         | 67.3                   | 26                        | 1.3              | 3.1                    | 0                      |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0            | 0                           | 0.0            | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0                         | 0.0              | 0.0                    | 0                      |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0            | 1                           | 0.0            | 0.6            | 0.3                    | 5,081.8        | 0.0                         | 0.0                    | 1                         | 0.0              | 0.6                    | 0                      |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0            | 0                           | 0.0            | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0                         | 0.0              | 0.0                    | 0                      |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0            | 0                           | 0.0            | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0                         | 0.0              | 0.0                    | 0                      |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0            | 0                           | 0.0            | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0                         | 0.0              | 0.0                    | 0                      |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0            | 0                           | 0.0            | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0                         | 0.0              | 0.0                    | 0                      |
| <b>Total</b>                 | <b>51,095</b>  | <b>100.0</b>   | <b>34.3</b>            | <b>100.0</b>   | <b>2.0</b>                | <b>4.1</b>             | <b>0.2</b>     | <b>22,032</b>               | <b>100.0</b>   | <b>210.4</b>   | <b>100.0</b>           | <b>27.3</b>    | <b>1.5</b>                  | <b>0.2</b>             | <b>73,127</b>             | <b>35.8</b>      | <b>214.5</b>           | <b>3</b>               |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B29. Kentucky oil and gas well summary statistics, 2013

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 3,643          | 70.8           | 0.5                    | 21.3           | 0.4                       | 0.0                    | 0.0                         | 3,946          | 27.1           | 4.4                    | 4.4            | 3.1                         | 0.0                    | 0.0                       | 7,589            | 0.5                    | 4.4                    | 30                    |
| 1 - 2                        | 731            | 14.2           | 0.4                    | 16.9           | 1.4                       | 0.1                    | 0.3                         | 3,435          | 23.6           | 10.9                   | 10.9           | 8.8                         | 0.0                    | 0.0                       | 4,166            | 0.4                    | 11.0                   | 12                    |
| 2 - 4                        | 458            | 8.9            | 0.4                    | 19.4           | 2.6                       | 0.2                    | 1.1                         | 3,728          | 25.6           | 22.9                   | 22.8           | 17.0                        | 0.0                    | 0.0                       | 4,186            | 0.5                    | 23.1                   | 48                    |
| 4 - 6                        | 149            | 2.9            | 0.2                    | 10.9           | 4.4                       | 0.1                    | 2.3                         | 1,621          | 11.1           | 16.9                   | 16.8           | 28.8                        | 0.0                    | 0.0                       | 1,770            | 0.3                    | 17.0                   | 84                    |
| 6 - 8                        | 57             | 1.1            | 0.1                    | 5.4            | 6.3                       | 0.1                    | 3.4                         | 688            | 4.7            | 10.2                   | 10.1           | 40.8                        | 0.0                    | 0.1                       | 745              | 0.1                    | 10.2                   | 139                   |
| 8 - 10                       | 20             | 0.4            | 0.0                    | 2.3            | 7.7                       | 0.0                    | 7.4                         | 365            | 2.5            | 6.9                    | 6.9            | 52.7                        | 0.0                    | 0.2                       | 385              | 0.1                    | 6.9                    | 128                   |
| <b>Subtotal &lt;=10</b>      | <b>5,058</b>   | <b>98.3</b>    | <b>1.6</b>             | <b>76.1</b>    | <b>0.9</b>                | <b>0.5</b>             | <b>0.3</b>                  | <b>13,783</b>  | <b>94.7</b>    | <b>72.1</b>            | <b>71.8</b>    | <b>14.6</b>                 | <b>0.1</b>             | <b>0.0</b>                | <b>18,841</b>    | <b>1.8</b>             | <b>72.6</b>            | <b>441</b>            |
| 10 - 12                      | 20             | 0.4            | 0.1                    | 2.9            | 9.8                       | 0.0                    | 7.3                         | 253            | 1.7            | 5.8                    | 5.8            | 64.9                        | 0.0                    | 0.1                       | 273              | 0.1                    | 5.9                    | 125                   |
| 12 - 15                      | 18             | 0.4            | 0.1                    | 3.1            | 11.5                      | 0.1                    | 9.9                         | 180            | 1.2            | 5.1                    | 5.0            | 79.4                        | 0.0                    | 0.1                       | 198              | 0.1                    | 5.1                    | 118                   |
| <b>Subtotal &lt;=15</b>      | <b>5,096</b>   | <b>99.1</b>    | <b>1.8</b>             | <b>82.2</b>    | <b>1.0</b>                | <b>0.6</b>             | <b>0.3</b>                  | <b>14,216</b>  | <b>97.6</b>    | <b>83.0</b>            | <b>82.7</b>    | <b>16.3</b>                 | <b>0.1</b>             | <b>0.0</b>                | <b>19,312</b>    | <b>1.9</b>             | <b>83.6</b>            | <b>684</b>            |
| 15 - 20                      | 14             | 0.3            | 0.1                    | 3.1            | 14.6                      | 0.1                    | 14.8                        | 145            | 1.0            | 5.4                    | 5.4            | 104.4                       | 0.0                    | 0.1                       | 159              | 0.1                    | 5.5                    | 120                   |
| 20 - 25                      | 8              | 0.2            | 0.1                    | 2.8            | 21.0                      | 0.0                    | 6.5                         | 85             | 0.6            | 3.9                    | 3.9            | 131.8                       | 0.0                    | 0.2                       | 93               | 0.1                    | 3.9                    | 71                    |
| 25 - 30                      | 11             | 0.2            | 0.1                    | 3.9            | 26.4                      | 0.0                    | 11.1                        | 42             | 0.3            | 2.3                    | 2.3            | 163.3                       | 0.0                    | 0.0                       | 53               | 0.1                    | 2.4                    | 38                    |
| 30 - 40                      | 6              | 0.1            | 0.0                    | 2.2            | 29.5                      | 0.0                    | 26.8                        | 40             | 0.3            | 2.8                    | 2.8            | 201.4                       | 0.0                    | 0.1                       | 46               | 0.0                    | 2.9                    | 39                    |
| 40 - 50                      | 4              | 0.1            | 0.1                    | 2.7            | 42.0                      | 0.0                    | 7.8                         | 16             | 0.1            | 1.4                    | 1.4            | 269.6                       | 0.0                    | 0.0                       | 20               | 0.1                    | 1.4                    | 13                    |
| 50 - 100                     | 6              | 0.1            | 0.1                    | 3.1            | 77.4                      | 0.0                    | 5.7                         | 14             | 0.1            | 1.4                    | 1.4            | 355.9                       | 0.0                    | 1.1                       | 20               | 0.1                    | 1.4                    | 17                    |
| <b>Subtotal &lt;=100</b>     | <b>5,145</b>   | <b>100.0</b>   | <b>2.2</b>             | <b>100.0</b>   | <b>1.2</b>                | <b>0.8</b>             | <b>0.4</b>                  | <b>14,558</b>  | <b>100.0</b>   | <b>100.3</b>           | <b>99.9</b>    | <b>19.2</b>                 | <b>0.1</b>             | <b>0.0</b>                | <b>19,703</b>    | <b>2.3</b>             | <b>101.1</b>           | <b>982</b>            |
| 100 - 200                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 2              | 0.0            | 0.1                    | 0.1            | 706.6                       | 0.0                    | 0.0                       | 2                | 0.0                    | 0.1                    | 2                     |
| 200 - 400                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>5,145</b>   | <b>100.0</b>   | <b>2.2</b>             | <b>100.0</b>   | <b>1.2</b>                | <b>0.8</b>             | <b>0.4</b>                  | <b>14,560</b>  | <b>100.0</b>   | <b>100.5</b>           | <b>100.0</b>   | <b>19.2</b>                 | <b>0.1</b>             | <b>0.0</b>                | <b>19,705</b>    | <b>2.3</b>             | <b>101.2</b>           | <b>984</b>            |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B30. Louisiana oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 12,389         | 67.0           | 1.2                  | 2.9            | 0.3                       | 0.1                    | 0.0                         | 7,424          | 42.8           | 3.2                    | 0.2            | 1.2                         | 0.0                    | 0.0                       | 19,813           | 1.2                    | 3.3                    | 17                    |
| 1 - 2                        | 1,390          | 7.5            | 0.7                  | 1.5            | 1.4                       | 0.1                    | 0.1                         | 475            | 2.7            | 1.2                    | 0.1            | 8.0                         | 0.0                    | 0.1                       | 1,865            | 0.7                    | 1.3                    | 18                    |
| 2 - 4                        | 873            | 4.7            | 0.8                  | 1.9            | 2.8                       | 0.2                    | 0.7                         | 686            | 4.0            | 3.7                    | 0.2            | 16.5                        | 0.0                    | 0.2                       | 1,559            | 0.8                    | 3.9                    | 19                    |
| 4 - 6                        | 603            | 3.3            | 1.0                  | 2.2            | 4.6                       | 0.5                    | 2.6                         | 584            | 3.4            | 5.4                    | 0.3            | 27.9                        | 0.1                    | 0.3                       | 1,187            | 1.0                    | 5.9                    | 29                    |
| 6 - 8                        | 397            | 2.2            | 0.8                  | 2.0            | 6.2                       | 0.6                    | 4.5                         | 578            | 3.3            | 7.7                    | 0.4            | 40.1                        | 0.1                    | 0.4                       | 975              | 0.9                    | 8.3                    | 32                    |
| 8 - 10                       | 292            | 1.6            | 0.8                  | 1.9            | 7.9                       | 0.7                    | 6.7                         | 567            | 3.3            | 10.0                   | 0.5            | 51.2                        | 0.1                    | 0.5                       | 859              | 0.9                    | 10.7                   | 30                    |
| <b>Subtotal &lt;=10</b>      | <b>15,944</b>  | <b>86.3</b>    | <b>5.3</b>           | <b>12.4</b>    | <b>1.0</b>                | <b>2.2</b>             | <b>0.4</b>                  | <b>10,314</b>  | <b>59.4</b>    | <b>31.3</b>            | <b>1.5</b>     | <b>8.8</b>                  | <b>0.3</b>             | <b>0.1</b>                | <b>26,258</b>    | <b>5.6</b>             | <b>33.4</b>            | <b>145</b>            |
| 10 - 12                      | 237            | 1.3            | 0.8                  | 1.9            | 9.7                       | 0.6                    | 7.6                         | 511            | 2.9            | 10.9                   | 0.5            | 62.3                        | 0.1                    | 0.6                       | 748              | 0.9                    | 11.5                   | 41                    |
| 12 - 15                      | 277            | 1.5            | 1.1                  | 2.6            | 11.8                      | 0.9                    | 9.6                         | 716            | 4.1            | 18.7                   | 0.9            | 76.6                        | 0.2                    | 0.7                       | 993              | 1.3                    | 19.6                   | 52                    |
| <b>Subtotal &lt;=15</b>      | <b>16,458</b>  | <b>89.0</b>    | <b>7.2</b>           | <b>17.0</b>    | <b>1.3</b>                | <b>3.7</b>             | <b>0.7</b>                  | <b>11,541</b>  | <b>66.5</b>    | <b>60.9</b>            | <b>2.8</b>     | <b>15.3</b>                 | <b>0.6</b>             | <b>0.1</b>                | <b>27,999</b>    | <b>7.8</b>             | <b>64.6</b>            | <b>238</b>            |
| 15 - 20                      | 346            | 1.9            | 1.8                  | 4.2            | 15.1                      | 1.6                    | 13.6                        | 806            | 4.6            | 27.0                   | 1.3            | 98.6                        | 0.2                    | 0.8                       | 1,152            | 2.0                    | 28.6                   | 112                   |
| 20 - 25                      | 250            | 1.4            | 1.7                  | 3.9            | 19.4                      | 1.6                    | 18.7                        | 582            | 3.4            | 25.4                   | 1.2            | 129.3                       | 0.2                    | 0.8                       | 832              | 1.8                    | 27.0                   | 119                   |
| 25 - 30                      | 230            | 1.2            | 1.9                  | 4.4            | 23.8                      | 1.8                    | 22.7                        | 412            | 2.4            | 21.9                   | 1.0            | 158.2                       | 0.1                    | 1.1                       | 642              | 2.0                    | 23.7                   | 137                   |
| 30 - 40                      | 301            | 1.6            | 3.2                  | 7.5            | 30.6                      | 2.6                    | 24.9                        | 690            | 4.0            | 47.4                   | 2.2            | 202.8                       | 0.2                    | 1.0                       | 991              | 3.4                    | 50.0                   | 352                   |
| 40 - 50                      | 207            | 1.1            | 2.8                  | 6.5            | 38.4                      | 2.6                    | 35.9                        | 524            | 3.0            | 47.6                   | 2.2            | 263.2                       | 0.2                    | 1.0                       | 731              | 2.9                    | 50.2                   | 330                   |
| 50 - 100                     | 438            | 2.4            | 9.0                  | 21.2           | 59.8                      | 7.9                    | 52.5                        | 1,258          | 7.3            | 174.2                  | 8.1            | 403.3                       | 0.8                    | 1.7                       | 1,696            | 9.7                    | 182.1                  | 910                   |
| <b>Subtotal &lt;=100</b>     | <b>18,230</b>  | <b>98.6</b>    | <b>27.5</b>          | <b>64.7</b>    | <b>4.4</b>                | <b>21.8</b>            | <b>3.5</b>                  | <b>15,813</b>  | <b>91.1</b>    | <b>404.4</b>           | <b>18.9</b>    | <b>74.5</b>                 | <b>2.3</b>             | <b>0.4</b>                | <b>34,043</b>    | <b>29.7</b>            | <b>426.2</b>           | <b>2,198</b>          |
| 100 - 200                    | 187            | 1.0            | 8.2                  | 19.4           | 126.3                     | 5.7                    | 86.7                        | 550            | 3.2            | 151.5                  | 7.1            | 807.2                       | 0.8                    | 4.1                       | 737              | 9.0                    | 157.1                  | 391                   |
| 200 - 400                    | 48             | 0.3            | 3.8                  | 8.9            | 233.4                     | 3.4                    | 213.9                       | 324            | 1.9            | 182.1                  | 8.5            | 1,663.6                     | 1.4                    | 12.6                      | 372              | 5.1                    | 185.5                  | 231                   |
| 400 - 800                    | 16             | 0.1            | 2.0                  | 4.8            | 404.3                     | 3.3                    | 657.7                       | 255            | 1.5            | 288.5                  | 13.5           | 3,313.9                     | 1.7                    | 19.2                      | 271              | 3.7                    | 291.8                  | 208                   |
| 800 - 1,600                  | 4              | 0.0            | 1.0                  | 2.3            | 669.4                     | 2.6                    | 1,795.8                     | 165            | 1.0            | 329.6                  | 15.4           | 6,642.3                     | 1.0                    | 19.5                      | 169              | 1.9                    | 332.2                  | 156                   |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 193            | 1.1            | 583.4                  | 27.3           | 12,949.7                    | 0.8                    | 16.7                      | 193              | 0.8                    | 583.4                  | 180                   |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 48             | 0.3            | 151.5                  | 7.1            | 23,285.9                    | 0.5                    | 81.8                      | 48               | 0.5                    | 151.5                  | 46                    |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 6              | 0.0            | 50.0                   | 2.3            | 43,200.5                    | 0.5                    | 468.9                     | 6                | 0.5                    | 50.0                   | 3                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>18,485</b>  | <b>100.0</b>   | <b>42.5</b>          | <b>100.0</b>   | <b>6.7</b>                | <b>36.8</b>            | <b>5.8</b>                  | <b>17,354</b>  | <b>100.0</b>   | <b>2,141.1</b>         | <b>100.0</b>   | <b>362.1</b>                | <b>8.9</b>             | <b>1.5</b>                | <b>35,839</b>    | <b>51.4</b>            | <b>2,177.9</b>         | <b>3,413</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B31. Maryland oil and gas well summary statistics, 2016

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                           | Natural Gas (Gas) wells |                             |                |                |                        |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|---------------------------|-------------------------|-----------------------------|----------------|----------------|------------------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | Oil rate per well (b/day) | Annual gas prod. (Bcf)  | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 100.0          | 0.0                    | 100.0                       | 16.0                   | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 4 - 6                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6 - 8                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 8 - 10                       | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>                | <b>16.0</b>            | <b>0.0</b>                | <b>1</b>         | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 10 - 12                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 12 - 15                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>                | <b>16.0</b>            | <b>0.0</b>                | <b>1</b>         | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 15 - 20                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 20 - 25                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 25 - 30                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 30 - 40                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 40 - 50                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 50 - 100                     | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>                | <b>16.0</b>            | <b>0.0</b>                | <b>1</b>         | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 100 - 200                    | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 200 - 400                    | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>                | <b>16.0</b>            | <b>0.0</b>                | <b>1</b>         | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.



Table B32. Michigan oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMB) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMB) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 1,171          | 33.3           | 0.2                  | 4.1            | 0.6                       | 0.0                    | 0.0                         | 491            | 5.1            | 0.6                    | 0.6            | 3.5                         | 0.0                    | 0.0                       | 1,662            | 0.2                    | 0.6                    | 29                    |
| 1 - 2                        | 1,151          | 32.8           | 0.6                  | 11.6           | 1.5                       | 0.0                    | 0.1                         | 1,241          | 12.8           | 4.1                    | 4.5            | 9.2                         | 0.0                    | 0.0                       | 2,392            | 0.6                    | 4.2                    | 31                    |
| 2 - 4                        | 433            | 12.3           | 0.4                  | 7.3            | 2.6                       | 0.1                    | 0.8                         | 3,662          | 37.9           | 23.8                   | 26.0           | 17.9                        | 0.0                    | 0.0                       | 4,095            | 0.4                    | 24.0                   | 58                    |
| 4 - 6                        | 222            | 6.3            | 0.3                  | 6.3            | 4.4                       | 0.1                    | 1.8                         | 2,898          | 30.0           | 30.3                   | 33.1           | 28.7                        | 0.0                    | 0.0                       | 3,120            | 0.4                    | 30.5                   | 47                    |
| 6 - 8                        | 157            | 4.5            | 0.3                  | 6.2            | 6.1                       | 0.3                    | 5.9                         | 869            | 9.0            | 12.8                   | 14.0           | 40.5                        | 0.0                    | 0.0                       | 1,026            | 0.4                    | 13.2                   | 27                    |
| 8 - 10                       | 74             | 2.1            | 0.2                  | 3.5            | 7.5                       | 0.2                    | 8.1                         | 174            | 1.8            | 3.3                    | 3.6            | 51.9                        | 0.0                    | 0.3                       | 248              | 0.2                    | 3.5                    | 22                    |
| <b>Subtotal &lt;=10</b>      | <b>3,208</b>   | <b>91.3</b>    | <b>2.1</b>           | <b>38.9</b>    | <b>1.9</b>                | <b>0.8</b>             | <b>0.7</b>                  | <b>9,335</b>   | <b>96.6</b>    | <b>74.9</b>            | <b>81.8</b>    | <b>22.1</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>12,543</b>    | <b>2.2</b>             | <b>75.8</b>            | <b>214</b>            |
| 10 - 12                      | 45             | 1.3            | 0.1                  | 2.7            | 9.7                       | 0.1                    | 6.4                         | 96             | 1.0            | 2.1                    | 2.3            | 62.5                        | 0.0                    | 0.6                       | 141              | 0.2                    | 2.2                    | 5                     |
| 12 - 15                      | 55             | 1.6            | 0.2                  | 4.2            | 12.1                      | 0.2                    | 8.7                         | 88             | 0.9            | 2.4                    | 2.7            | 76.5                        | 0.0                    | 1.0                       | 143              | 0.3                    | 2.6                    | 17                    |
| <b>Subtotal &lt;=15</b>      | <b>3,308</b>   | <b>94.1</b>    | <b>2.5</b>           | <b>45.8</b>    | <b>2.2</b>                | <b>1.1</b>             | <b>0.9</b>                  | <b>9,519</b>   | <b>98.5</b>    | <b>79.5</b>            | <b>86.8</b>    | <b>23.0</b>                 | <b>0.1</b>             | <b>0.0</b>                | <b>12,827</b>    | <b>2.6</b>             | <b>80.6</b>            | <b>236</b>            |
| 15 - 20                      | 53             | 1.5            | 0.3                  | 5.0            | 15.2                      | 0.2                    | 11.6                        | 32             | 0.3            | 1.1                    | 1.2            | 94.9                        | 0.0                    | 1.4                       | 85               | 0.3                    | 1.3                    | 11                    |
| 20 - 25                      | 23             | 0.7            | 0.1                  | 2.2            | 18.8                      | 0.1                    | 21.5                        | 30             | 0.3            | 1.2                    | 1.4            | 119.6                       | 0.0                    | 1.8                       | 53               | 0.1                    | 1.4                    | 8                     |
| 25 - 30                      | 19             | 0.5            | 0.2                  | 2.8            | 23.8                      | 0.1                    | 21.2                        | 22             | 0.2            | 1.2                    | 1.3            | 154.4                       | 0.0                    | 2.0                       | 41               | 0.2                    | 1.3                    | 5                     |
| 30 - 40                      | 27             | 0.8            | 0.3                  | 5.0            | 30.9                      | 0.2                    | 19.8                        | 14             | 0.1            | 0.9                    | 0.9            | 171.3                       | 0.0                    | 6.7                       | 41               | 0.3                    | 1.0                    | 14                    |
| 40 - 50                      | 15             | 0.4            | 0.2                  | 3.4            | 38.3                      | 0.2                    | 42.0                        | 15             | 0.2            | 1.3                    | 1.4            | 239.1                       | 0.0                    | 5.4                       | 30               | 0.2                    | 1.5                    | 10                    |
| 50 - 100                     | 50             | 1.4            | 1.0                  | 18.4           | 57.4                      | 1.2                    | 69.6                        | 20             | 0.2            | 2.8                    | 3.0            | 385.3                       | 0.1                    | 10.2                      | 70               | 1.1                    | 4.0                    | 17                    |
| <b>Subtotal &lt;=100</b>     | <b>3,495</b>   | <b>99.4</b>    | <b>4.5</b>           | <b>82.4</b>    | <b>3.7</b>                | <b>3.2</b>             | <b>2.6</b>                  | <b>9,652</b>   | <b>99.9</b>    | <b>88.0</b>            | <b>96.1</b>    | <b>25.1</b>                 | <b>0.3</b>             | <b>0.1</b>                | <b>13,147</b>    | <b>4.8</b>             | <b>91.2</b>            | <b>301</b>            |
| 100 - 200                    | 14             | 0.4            | 0.6                  | 10.8           | 121.8                     | 0.7                    | 146.7                       | 12             | 0.1            | 2.8                    | 3.1            | 687.9                       | 0.1                    | 23.3                      | 26               | 0.7                    | 3.5                    | 7                     |
| 200 - 400                    | 6              | 0.2            | 0.4                  | 6.8            | 225.0                     | 0.4                    | 212.1                       | 2              | 0.0            | 0.8                    | 0.8            | 1,045.3                     | 0.0                    | 33.6                      | 8                | 0.4                    | 1.1                    | 4                     |
| 400 - 800                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>3,515</b>   | <b>100.0</b>   | <b>5.5</b>           | <b>100.0</b>   | <b>4.5</b>                | <b>4.3</b>             | <b>3.5</b>                  | <b>9,666</b>   | <b>100.0</b>   | <b>91.6</b>            | <b>100.0</b>   | <b>26.1</b>                 | <b>0.4</b>             | <b>0.1</b>                | <b>13,181</b>    | <b>5.9</b>             | <b>95.8</b>            | <b>312</b>            |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B33. Missouri oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                | Total wells                 |                        |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 9              | 29.0           | 0.0                    | 0.9            | 0.4                       | 0.0                    | 0.0                         | 5              | 100.0          | 0.0                    | 100.0          | 1.7                         | 0.0                    | 0.0                       | 14               | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 5              | 16.1           | 0.0                    | 2.1            | 1.6                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 5                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 5              | 16.1           | 0.0                    | 4.3            | 2.8                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 5                | 0.0                    | 0.0                    | 0                     |
| 4 - 6                        | 1              | 3.2            | 0.0                    | 1.5            | 4.9                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 6 - 8                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 8 - 10                       | 3              | 9.7            | 0.0                    | 8.9            | 9.8                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>23</b>      | <b>74.2</b>    | <b>0.0</b>             | <b>17.6</b>    | <b>2.7</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>1.7</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>28</b>        | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 10 - 12                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 12 - 15                      | 1              | 3.2            | 0.0                    | 4.4            | 14.1                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>24</b>      | <b>77.4</b>    | <b>0.0</b>             | <b>22.1</b>    | <b>3.3</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>1.7</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>29</b>        | <b>0.0</b>             | <b>0.0</b>             | <b>0</b>              |
| 15 - 20                      | 2              | 6.5            | 0.0                    | 10.2           | 16.4                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 2                | 0.0                    | 0.0                    | 0                     |
| 20 - 25                      | 3              | 9.7            | 0.0                    | 15.1           | 23.1                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 25 - 30                      | 1              | 3.2            | 0.0                    | 8.5            | 27.4                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 30 - 40                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 40 - 50                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 50 - 100                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>30</b>      | <b>96.8</b>    | <b>0.1</b>             | <b>55.9</b>    | <b>6.7</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>1.7</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>35</b>        | <b>0.1</b>             | <b>0.0</b>             | <b>0</b>              |
| 100 - 200                    | 1              | 3.2            | 0.1                    | 44.1           | 141.5                     | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.1                    | 0.0                    | 0                     |
| 200 - 400                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>31</b>      | <b>100.0</b>   | <b>0.1</b>             | <b>100.0</b>   | <b>11.5</b>               | <b>0.0</b>             | <b>0.0</b>                  | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>1.7</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>36</b>        | <b>0.1</b>             | <b>0.0</b>             | <b>0</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B34. Mississippi oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                           | Natural Gas (Gas) wells |                             |                |                |                        |                             |                        |                           | Total wells      |                        |                        |                       |             |            |
|------------------------------|----------------|----------------|----------------------|---------------------------|-------------------------|-----------------------------|----------------|----------------|------------------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|-------------|------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | Oil rate per well (b/day) | Annual gas prod. (Bcf)  | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |             |            |
| 0 - 1                        | 172            | 9.3            | 0.0                  | 0.1                       | 0.3                     | 0.0                         | 0.0            | 117            | 8.0                    | 0.1                         | 0.3                    | 3.4                       | 0.0              | 0.0                    | 289                    | 0.0                   | 0.1         | 8          |
| 1 - 2                        | 68             | 3.7            | 0.0                  | 0.2                       | 1.5                     | 0.0                         | 0.2            | 158            | 10.8                   | 0.5                         | 1.4                    | 9.2                       | 0.0              | 0.0                    | 226                    | 0.0                   | 0.5         | 5          |
| 2 - 4                        | 139            | 7.5            | 0.1                  | 0.7                       | 3.0                     | 0.0                         | 0.5            | 494            | 33.9                   | 2.8                         | 8.6                    | 17.7                      | 0.0              | 0.0                    | 633                    | 0.1                   | 2.8         | 11         |
| 4 - 6                        | 136            | 7.3            | 0.2                  | 1.2                       | 4.9                     | 0.1                         | 1.2            | 246            | 16.9                   | 2.3                         | 7.1                    | 28.3                      | 0.0              | 0.1                    | 382                    | 0.2                   | 2.4         | 6          |
| 6 - 8                        | 130            | 7.0            | 0.3                  | 1.7                       | 6.7                     | 0.1                         | 1.6            | 84             | 5.8                    | 1.2                         | 3.6                    | 40.5                      | 0.0              | 0.1                    | 214                    | 0.3                   | 1.3         | 13         |
| 8 - 10                       | 99             | 5.3            | 0.3                  | 1.7                       | 8.7                     | 0.1                         | 1.5            | 55             | 3.8                    | 1.0                         | 3.0                    | 52.6                      | 0.0              | 0.2                    | 154                    | 0.3                   | 1.0         | 15         |
| <b>Subtotal &lt;=10</b>      | <b>744</b>     | <b>40.0</b>    | <b>1.0</b>           | <b>5.6</b>                | <b>4.2</b>              | <b>0.2</b>                  | <b>0.9</b>     | <b>1,154</b>   | <b>79.1</b>            | <b>7.9</b>                  | <b>24.0</b>            | <b>21.3</b>               | <b>0.0</b>       | <b>0.0</b>             | <b>1,898</b>           | <b>1.0</b>            | <b>8.1</b>  | <b>58</b>  |
| 10 - 12                      | 99             | 5.3            | 0.3                  | 2.0                       | 10.6                    | 0.1                         | 1.9            | 44             | 3.0                    | 0.9                         | 2.8                    | 63.4                      | 0.0              | 0.4                    | 143                    | 0.4                   | 1.0         | 9          |
| 12 - 15                      | 121            | 6.5            | 0.5                  | 3.1                       | 12.9                    | 0.1                         | 3.5            | 40             | 2.7                    | 1.1                         | 3.3                    | 79.8                      | 0.0              | 0.4                    | 161                    | 0.5                   | 1.2         | 16         |
| <b>Subtotal &lt;=15</b>      | <b>964</b>     | <b>51.9</b>    | <b>1.8</b>           | <b>10.6</b>               | <b>6.1</b>              | <b>0.4</b>                  | <b>1.3</b>     | <b>1,238</b>   | <b>84.9</b>            | <b>9.9</b>                  | <b>30.1</b>            | <b>24.8</b>               | <b>0.0</b>       | <b>0.1</b>             | <b>2,202</b>           | <b>1.9</b>            | <b>10.3</b> | <b>83</b>  |
| 15 - 20                      | 151            | 8.1            | 0.9                  | 5.1                       | 17.1                    | 0.1                         | 2.4            | 47             | 3.2                    | 1.6                         | 4.9                    | 99.6                      | 0.0              | 0.6                    | 198                    | 0.9                   | 1.7         | 32         |
| 20 - 25                      | 106            | 5.7            | 0.8                  | 4.6                       | 21.9                    | 0.1                         | 3.1            | 31             | 2.1                    | 1.4                         | 4.4                    | 128.3                     | 0.0              | 1.1                    | 137                    | 0.8                   | 1.5         | 27         |
| 25 - 30                      | 92             | 5.0            | 0.9                  | 5.0                       | 26.8                    | 0.1                         | 3.9            | 25             | 1.7                    | 1.3                         | 4.1                    | 156.5                     | 0.0              | 1.2                    | 117                    | 0.9                   | 1.5         | 14         |
| 30 - 40                      | 146            | 7.9            | 1.7                  | 9.8                       | 33.5                    | 0.3                         | 5.4            | 32             | 2.2                    | 2.2                         | 6.7                    | 200.5                     | 0.0              | 1.8                    | 178                    | 1.7                   | 2.5         | 32         |
| 40 - 50                      | 73             | 3.9            | 1.1                  | 6.4                       | 42.9                    | 0.2                         | 9.1            | 17             | 1.2                    | 1.4                         | 4.2                    | 244.0                     | 0.0              | 3.8                    | 90                     | 1.1                   | 1.6         | 15         |
| 50 - 100                     | 230            | 12.4           | 5.6                  | 32.6                      | 68.7                    | 0.7                         | 9.0            | 32             | 2.2                    | 3.8                         | 11.7                   | 383.0                     | 0.0              | 4.3                    | 262                    | 5.7                   | 4.6         | 31         |
| <b>Subtotal &lt;=100</b>     | <b>1,762</b>   | <b>94.8</b>    | <b>12.8</b>          | <b>74.2</b>               | <b>22.1</b>             | <b>2.0</b>                  | <b>3.5</b>     | <b>1,422</b>   | <b>97.5</b>            | <b>21.7</b>                 | <b>65.9</b>            | <b>47.0</b>               | <b>0.1</b>       | <b>0.3</b>             | <b>3,184</b>           | <b>13.0</b>           | <b>23.7</b> | <b>234</b> |
| 100 - 200                    | 77             | 4.1            | 3.2                  | 18.5                      | 120.2                   | 1.4                         | 53.2           | 32             | 2.2                    | 7.7                         | 23.5                   | 782.4                     | 0.1              | 10.9                   | 109                    | 3.3                   | 9.1         | 23         |
| 200 - 400                    | 15             | 0.8            | 1.0                  | 5.5                       | 207.1                   | 1.6                         | 337.8          | 3              | 0.2                    | 1.1                         | 3.3                    | 1,031.3                   | 0.1              | 132.9                  | 18                     | 1.1                   | 2.6         | 7          |
| 400 - 800                    | 3              | 0.2            | 0.3                  | 1.7                       | 363.9                   | 0.6                         | 798.0          | 1              | 0.1                    | 0.9                         | 2.8                    | 3,034.9                   | 0.0              | 59.0                   | 4                      | 0.3                   | 1.6         | 0          |
| 800 - 1,600                  | 1              | 0.1            | 0.0                  | 0.2                       | 853.6                   | 0.0                         | 305.0          | 1              | 0.1                    | 1.5                         | 4.5                    | 4,058.4                   | 0.1              | 348.3                  | 2                      | 0.2                   | 1.5         | 1          |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0.0            | 0              | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0.0                    | 0                      | 0.0                   | 0.0         | 0          |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0.0            | 0              | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0.0                    | 0                      | 0.0                   | 0.0         | 0          |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0.0            | 0              | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0.0                    | 0                      | 0.0                   | 0.0         | 0          |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0.0            | 0              | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0.0                    | 0                      | 0.0                   | 0.0         | 0          |
| <b>Total</b>                 | <b>1,858</b>   | <b>100.0</b>   | <b>17.3</b>          | <b>100.0</b>              | <b>28.2</b>             | <b>5.6</b>                  | <b>9.2</b>     | <b>1,459</b>   | <b>100.0</b>           | <b>32.9</b>                 | <b>100.0</b>           | <b>69.6</b>               | <b>0.5</b>       | <b>1.1</b>             | <b>3,317</b>           | <b>17.9</b>           | <b>38.5</b> | <b>265</b> |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B35. Montana oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 1,412          | 31.0           | 0.2                  | 0.9            | 0.4                       | 0.0                    | 0.0                         | 1,773          | 32.7           | 1.7                    | 6.1            | 2.8                         | 0.0                    | 0.0                       | 3,185            | 0.2                    | 1.7                    | 48                    |
| 1 - 2                        | 437            | 9.6            | 0.2                  | 1.0            | 1.4                       | 0.0                    | 0.1                         | 1,307          | 24.1           | 4.1                    | 14.7           | 8.8                         | 0.0                    | 0.0                       | 1,744            | 0.2                    | 4.1                    | 26                    |
| 2 - 4                        | 316            | 6.9            | 0.3                  | 1.5            | 2.8                       | 0.1                    | 0.5                         | 1,332          | 24.5           | 7.9                    | 28.6           | 17.0                        | 0.0                    | 0.0                       | 1,648            | 0.3                    | 8.0                    | 39                    |
| 4 - 6                        | 191            | 4.2            | 0.3                  | 1.5            | 4.8                       | 0.1                    | 1.4                         | 582            | 10.7           | 6.0                    | 21.6           | 29.4                        | 0.0                    | 0.0                       | 773              | 0.3                    | 6.1                    | 45                    |
| 6 - 8                        | 153            | 3.4            | 0.4                  | 1.7            | 6.5                       | 0.1                    | 2.7                         | 258            | 4.8            | 3.6                    | 13.0           | 40.8                        | 0.0                    | 0.0                       | 411              | 0.4                    | 3.8                    | 63                    |
| 8 - 10                       | 169            | 3.7            | 0.5                  | 2.3            | 8.2                       | 0.3                    | 4.9                         | 71             | 1.3            | 1.3                    | 4.7            | 52.4                        | 0.0                    | 0.0                       | 240              | 0.5                    | 1.6                    | 73                    |
| <b>Subtotal &lt;=10</b>      | <b>2,678</b>   | <b>58.8</b>    | <b>1.8</b>           | <b>8.9</b>     | <b>2.0</b>                | <b>0.6</b>             | <b>0.7</b>                  | <b>5,323</b>   | <b>98.1</b>    | <b>24.6</b>            | <b>88.6</b>    | <b>13.3</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>8,001</b>     | <b>1.9</b>             | <b>25.2</b>            | <b>294</b>            |
| 10 - 12                      | 172            | 3.8            | 0.6                  | 2.9            | 9.9                       | 0.4                    | 7.0                         | 40             | 0.7            | 0.9                    | 3.3            | 65.0                        | 0.0                    | 0.0                       | 212              | 0.6                    | 1.4                    | 91                    |
| 12 - 15                      | 243            | 5.3            | 1.0                  | 5.0            | 11.9                      | 0.8                    | 9.3                         | 27             | 0.5            | 0.7                    | 2.6            | 78.0                        | 0.0                    | 0.2                       | 270              | 1.0                    | 1.5                    | 144                   |
| <b>Subtotal &lt;=15</b>      | <b>3,093</b>   | <b>68.0</b>    | <b>3.5</b>           | <b>16.8</b>    | <b>3.3</b>                | <b>1.8</b>             | <b>1.7</b>                  | <b>5,390</b>   | <b>99.3</b>    | <b>26.2</b>            | <b>94.6</b>    | <b>14.0</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>8,483</b>     | <b>3.5</b>             | <b>28.1</b>            | <b>529</b>            |
| 15 - 20                      | 315            | 6.9            | 1.7                  | 8.2            | 15.0                      | 1.6                    | 14.1                        | 24             | 0.4            | 0.8                    | 3.0            | 95.7                        | 0.0                    | 0.5                       | 339              | 1.7                    | 2.4                    | 212                   |
| 20 - 25                      | 237            | 5.2            | 1.7                  | 8.0            | 19.5                      | 1.5                    | 17.4                        | 8              | 0.2            | 0.4                    | 1.3            | 123.0                       | 0.0                    | 1.9                       | 245              | 1.7                    | 1.8                    | 171                   |
| 25 - 30                      | 190            | 4.2            | 1.6                  | 7.6            | 23.1                      | 1.7                    | 24.2                        | 1              | 0.0            | 0.0                    | 0.2            | 120.2                       | 0.0                    | 7.3                       | 191              | 1.6                    | 1.7                    | 147                   |
| 30 - 40                      | 233            | 5.1            | 2.4                  | 11.7           | 29.0                      | 2.8                    | 33.9                        | 3              | 0.1            | 0.2                    | 0.6            | 155.2                       | 0.0                    | 6.9                       | 236              | 2.4                    | 3.0                    | 197                   |
| 40 - 50                      | 153            | 3.4            | 2.1                  | 9.9            | 37.3                      | 2.5                    | 44.9                        | 2              | 0.0            | 0.1                    | 0.4            | 141.3                       | 0.0                    | 19.5                      | 155              | 2.1                    | 2.6                    | 132                   |
| 50 - 100                     | 278            | 6.1            | 5.4                  | 26.1           | 54.2                      | 6.9                    | 69.1                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 278              | 5.4                    | 6.9                    | 223                   |
| <b>Subtotal &lt;=100</b>     | <b>4,499</b>   | <b>98.8</b>    | <b>18.2</b>          | <b>88.3</b>    | <b>11.7</b>               | <b>18.7</b>            | <b>11.9</b>                 | <b>5,428</b>   | <b>100.0</b>   | <b>27.7</b>            | <b>100.0</b>   | <b>14.7</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>9,927</b>     | <b>18.3</b>            | <b>46.4</b>            | <b>1,611</b>          |
| 100 - 200                    | 45             | 1.0            | 1.7                  | 8.4            | 108.3                     | 1.6                    | 99.7                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 45               | 1.7                    | 1.6                    | 36                    |
| 200 - 400                    | 5              | 0.1            | 0.4                  | 1.7            | 234.1                     | 0.1                    | 58.6                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 5                | 0.4                    | 0.1                    | 1                     |
| 400 - 800                    | 3              | 0.1            | 0.3                  | 1.6            | 437.3                     | 0.4                    | 466.8                       | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.3                    | 0.4                    | 3                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>4,552</b>   | <b>100.0</b>   | <b>20.7</b>          | <b>100.0</b>   | <b>13.0</b>               | <b>20.8</b>            | <b>13.1</b>                 | <b>5,428</b>   | <b>100.0</b>   | <b>27.7</b>            | <b>100.0</b>   | <b>14.7</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>9,980</b>     | <b>20.7</b>            | <b>48.5</b>            | <b>1,651</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B36. North Dakota oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 267            | 1.8            | 0.0                  | 0.0            | 0.4                       | 0.0                    | 0.2                         | 115            | 23.7           | 0.1                    | 0.2            | 2.4                         | 0.0                    | 0.0                       | 382              | 0.0                    | 0.1                    | 96                    |
| 1 - 2                        | 170            | 1.2            | 0.1                  | 0.0            | 1.4                       | 0.0                    | 0.5                         | 49             | 10.1           | 0.1                    | 0.4            | 8.3                         | 0.0                    | 0.1                       | 219              | 0.1                    | 0.2                    | 45                    |
| 2 - 4                        | 353            | 2.4            | 0.3                  | 0.1            | 2.8                       | 0.1                    | 1.3                         | 54             | 11.1           | 0.3                    | 0.9            | 15.9                        | 0.0                    | 0.3                       | 407              | 0.3                    | 0.4                    | 123                   |
| 4 - 6                        | 267            | 1.8            | 0.4                  | 0.1            | 4.5                       | 0.3                    | 2.7                         | 39             | 8.0            | 0.4                    | 1.1            | 26.2                        | 0.0                    | 0.6                       | 306              | 0.4                    | 0.6                    | 118                   |
| 6 - 8                        | 267            | 1.8            | 0.6                  | 0.2            | 6.2                       | 0.4                    | 4.4                         | 18             | 3.7            | 0.2                    | 0.6            | 31.0                        | 0.0                    | 1.8                       | 285              | 0.6                    | 0.6                    | 126                   |
| 8 - 10                       | 251            | 1.7            | 0.7                  | 0.2            | 8.1                       | 0.5                    | 5.6                         | 11             | 2.3            | 0.1                    | 0.4            | 35.7                        | 0.0                    | 2.7                       | 262              | 0.7                    | 0.6                    | 132                   |
| <b>Subtotal &lt;=10</b>      | <b>1,575</b>   | <b>10.7</b>    | <b>2.1</b>           | <b>0.6</b>     | <b>4.1</b>                | <b>1.3</b>             | <b>2.6</b>                  | <b>286</b>     | <b>59.0</b>    | <b>1.2</b>             | <b>3.6</b>     | <b>13.2</b>                 | <b>0.0</b>             | <b>0.4</b>                | <b>1,861</b>     | <b>2.2</b>             | <b>2.5</b>             | <b>640</b>            |
| 10 - 12                      | 223            | 1.5            | 0.7                  | 0.2            | 9.7                       | 0.6                    | 8.4                         | 11             | 2.3            | 0.2                    | 0.5            | 43.2                        | 0.0                    | 3.7                       | 234              | 0.8                    | 0.8                    | 138                   |
| 12 - 15                      | 332            | 2.3            | 1.4                  | 0.4            | 11.6                      | 1.3                    | 11.4                        | 7              | 1.4            | 0.1                    | 0.4            | 52.1                        | 0.0                    | 4.5                       | 339              | 1.4                    | 1.5                    | 225                   |
| <b>Subtotal &lt;=15</b>      | <b>2,130</b>   | <b>14.5</b>    | <b>4.2</b>           | <b>1.1</b>     | <b>6.0</b>                | <b>3.3</b>             | <b>4.7</b>                  | <b>304</b>     | <b>62.7</b>    | <b>1.5</b>             | <b>4.6</b>     | <b>15.4</b>                 | <b>0.1</b>             | <b>0.6</b>                | <b>2,434</b>     | <b>4.3</b>             | <b>4.8</b>             | <b>1,003</b>          |
| 15 - 20                      | 534            | 3.6            | 2.8                  | 0.7            | 14.9                      | 3.0                    | 15.9                        | 10             | 2.1            | 0.2                    | 0.8            | 73.9                        | 0.0                    | 5.0                       | 544              | 2.8                    | 3.2                    | 433                   |
| 20 - 25                      | 553            | 3.8            | 3.7                  | 1.0            | 18.9                      | 4.4                    | 22.5                        | 7              | 1.4            | 0.2                    | 0.6            | 84.7                        | 0.0                    | 8.3                       | 560              | 3.7                    | 4.6                    | 490                   |
| 25 - 30                      | 619            | 4.2            | 5.1                  | 1.3            | 23.0                      | 6.1                    | 27.5                        | 7              | 1.4            | 0.2                    | 0.8            | 99.1                        | 0.0                    | 10.7                      | 626              | 5.1                    | 6.3                    | 568                   |
| 30 - 40                      | 1,226          | 8.3            | 12.6                 | 3.3            | 28.7                      | 17.0                   | 38.5                        | 18             | 3.7            | 0.8                    | 2.6            | 140.1                       | 0.1                    | 11.7                      | 1,244            | 12.7                   | 17.8                   | 1,201                 |
| 40 - 50                      | 1,233          | 8.4            | 16.0                 | 4.1            | 36.1                      | 23.6                   | 53.2                        | 12             | 2.5            | 0.6                    | 2.0            | 161.1                       | 0.1                    | 20.0                      | 1,245            | 16.1                   | 24.2                   | 1,215                 |
| 50 - 100                     | 4,452          | 30.2           | 89.6                 | 23.1           | 55.7                      | 152.7                  | 95.0                        | 46             | 9.5            | 4.2                    | 12.8           | 265.8                       | 0.4                    | 27.8                      | 4,498            | 90.0                   | 156.8                  | 4,460                 |
| <b>Subtotal &lt;=100</b>     | <b>10,747</b>  | <b>73.0</b>    | <b>133.9</b>         | <b>34.6</b>    | <b>35.2</b>               | <b>210.0</b>           | <b>55.2</b>                 | <b>404</b>     | <b>83.3</b>    | <b>7.8</b>             | <b>24.0</b>    | <b>60.1</b>                 | <b>0.7</b>             | <b>5.5</b>                | <b>11,151</b>    | <b>134.6</b>           | <b>217.8</b>           | <b>9,370</b>          |
| 100 - 200                    | 2,238          | 15.2           | 83.3                 | 21.5           | 104.4                     | 144.8                  | 181.4                       | 35             | 7.2            | 6.8                    | 20.9           | 545.3                       | 0.6                    | 49.6                      | 2,273            | 83.9                   | 151.6                  | 2,251                 |
| 200 - 400                    | 811            | 5.5            | 56.2                 | 14.5           | 213.5                     | 98.0                   | 371.8                       | 38             | 7.8            | 12.3                   | 37.8           | 907.4                       | 1.6                    | 116.6                     | 849              | 57.8                   | 110.3                  | 847                   |
| 400 - 800                    | 655            | 4.5            | 73.7                 | 19.0           | 434.5                     | 128.0                  | 754.8                       | 8              | 1.7            | 5.6                    | 17.3           | 1,920.4                     | 0.7                    | 228.6                     | 663              | 74.4                   | 133.6                  | 662                   |
| 800 - 1,600                  | 266            | 1.8            | 37.2                 | 9.6            | 771.7                     | 64.3                   | 1,334.3                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 266              | 37.2                   | 64.3                   | 266                   |
| 1,600 - 3,200                | 15             | 0.1            | 2.7                  | 0.7            | 1,394.7                   | 4.2                    | 2,202.1                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 15               | 2.7                    | 4.2                    | 15                    |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>14,732</b>  | <b>100.0</b>   | <b>387.1</b>         | <b>100.0</b>   | <b>76.2</b>               | <b>649.3</b>           | <b>127.8</b>                | <b>485</b>     | <b>100.0</b>   | <b>32.5</b>            | <b>100.0</b>   | <b>204.7</b>                | <b>3.6</b>             | <b>22.5</b>               | <b>15,217</b>    | <b>390.7</b>           | <b>681.8</b>           | <b>13,411</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B37. Nebraska oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 704            | 33.4           | 0.1                    | 7.2            | 0.6                       | 0.0                    | 0.0                         | 64             | 42.7           | 0.0                    | 12.5           | 2.5                         | 0.0                    | 0.0                       | 768              | 0.1                    | 0.0                    | 0                     |
| 1 - 2                        | 774            | 36.7           | 0.4                    | 22.4           | 1.5                       | 0.0                    | 0.0                         | 56             | 37.3           | 0.2                    | 44.6           | 8.7                         | 0.0                    | 0.0                       | 830              | 0.4                    | 0.2                    | 0                     |
| 2 - 4                        | 295            | 14.0           | 0.3                    | 15.8           | 2.8                       | 0.0                    | 0.0                         | 30             | 20.0           | 0.2                    | 42.9           | 14.6                        | 0.0                    | 0.0                       | 325              | 0.3                    | 0.2                    | 1                     |
| 4 - 6                        | 122            | 5.8            | 0.2                    | 11.3           | 4.8                       | 0.0                    | 0.3                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 122              | 0.2                    | 0.0                    | 0                     |
| 6 - 8                        | 110            | 5.2            | 0.3                    | 14.3           | 6.7                       | 0.0                    | 0.7                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 110              | 0.3                    | 0.0                    | 0                     |
| 8 - 10                       | 27             | 1.3            | 0.1                    | 4.6            | 8.7                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 27               | 0.1                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>2,032</b>   | <b>96.4</b>    | <b>1.4</b>             | <b>75.5</b>    | <b>1.9</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>150</b>     | <b>100.0</b>   | <b>0.4</b>             | <b>100.0</b>   | <b>7.6</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>2,182</b>     | <b>1.4</b>             | <b>0.4</b>             | <b>1</b>              |
| 10 - 12                      | 8              | 0.4            | 0.0                    | 1.7            | 10.9                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 8                | 0.0                    | 0.0                    | 0                     |
| 12 - 15                      | 15             | 0.7            | 0.1                    | 3.4            | 12.9                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 15               | 0.1                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>2,055</b>   | <b>97.5</b>    | <b>1.5</b>             | <b>80.6</b>    | <b>2.1</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>150</b>     | <b>100.0</b>   | <b>0.4</b>             | <b>100.0</b>   | <b>7.6</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>2,205</b>     | <b>1.5</b>             | <b>0.4</b>             | <b>1</b>              |
| 15 - 20                      | 31             | 1.5            | 0.2                    | 9.5            | 16.5                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 31               | 0.2                    | 0.0                    | 0                     |
| 20 - 25                      | 9              | 0.4            | 0.1                    | 3.2            | 21.6                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 9                | 0.1                    | 0.0                    | 0                     |
| 25 - 30                      | 6              | 0.3            | 0.1                    | 3.2            | 26.9                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 6                | 0.1                    | 0.0                    | 1                     |
| 30 - 40                      | 3              | 0.1            | 0.0                    | 1.9            | 31.8                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 40 - 50                      | 1              | 0.1            | 0.0                    | 0.9            | 44.4                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 50 - 100                     | 3              | 0.1            | 0.0                    | 0.8            | 57.2                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>2,108</b>   | <b>100.0</b>   | <b>1.8</b>             | <b>100.0</b>   | <b>2.5</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>150</b>     | <b>100.0</b>   | <b>0.4</b>             | <b>100.0</b>   | <b>7.6</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>2,258</b>     | <b>1.8</b>             | <b>0.4</b>             | <b>2</b>              |
| 100 - 200                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 200 - 400                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>2,108</b>   | <b>100.0</b>   | <b>1.8</b>             | <b>100.0</b>   | <b>2.5</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>150</b>     | <b>100.0</b>   | <b>0.4</b>             | <b>100.0</b>   | <b>7.6</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>2,258</b>     | <b>1.8</b>             | <b>0.4</b>             | <b>2</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B38. New Mexico oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 3,312          | 19.0           | 0.4                    | 0.3            | 0.4                       | 0.2                    | 0.2                         | 4,732          | 11.7           | 3.5                    | 0.4            | 2.4                         | 0.0                    | 0.0                       | 8,044            | 0.4                    | 3.7                    | 115                   |
| 1 - 2                        | 2,089          | 12.0           | 0.9                    | 0.6            | 1.2                       | 1.0                    | 1.4                         | 3,200          | 7.9            | 9.2                    | 0.9            | 8.3                         | 0.1                    | 0.1                       | 5,289            | 1.0                    | 10.1                   | 71                    |
| 2 - 4                        | 2,632          | 15.1           | 2.1                    | 1.5            | 2.3                       | 3.1                    | 3.5                         | 5,846          | 14.5           | 33.3                   | 3.4            | 16.4                        | 0.5                    | 0.2                       | 8,478            | 2.6                    | 36.4                   | 161                   |
| 4 - 6                        | 1,681          | 9.6            | 2.2                    | 1.6            | 3.8                       | 4.0                    | 6.8                         | 4,925          | 12.2           | 47.4                   | 4.8            | 27.6                        | 0.7                    | 0.4                       | 6,606            | 2.9                    | 51.4                   | 169                   |
| 6 - 8                        | 1,146          | 6.6            | 2.1                    | 1.5            | 5.2                       | 4.2                    | 10.4                        | 4,211          | 10.4           | 57.2                   | 5.8            | 38.9                        | 0.7                    | 0.5                       | 5,357            | 2.8                    | 61.4                   | 176                   |
| 8 - 10                       | 810            | 4.6            | 1.9                    | 1.3            | 6.8                       | 3.7                    | 13.1                        | 3,368          | 8.3            | 58.2                   | 5.9            | 49.8                        | 0.8                    | 0.7                       | 4,178            | 2.7                    | 62.0                   | 192                   |
| <b>Subtotal &lt;=10</b>      | <b>11,670</b>  | <b>66.8</b>    | <b>9.7</b>             | <b>6.7</b>     | <b>2.5</b>                | <b>16.2</b>            | <b>4.1</b>                  | <b>26,282</b>  | <b>65.1</b>    | <b>208.8</b>           | <b>21.0</b>    | <b>23.3</b>                 | <b>2.7</b>             | <b>0.3</b>                | <b>37,952</b>    | <b>12.4</b>            | <b>225.0</b>           | <b>884</b>            |
| 10 - 12                      | 571            | 3.3            | 1.6                    | 1.1            | 8.1                       | 3.4                    | 17.0                        | 2,700          | 6.7            | 57.2                   | 5.7            | 61.5                        | 0.7                    | 0.7                       | 3,271            | 2.3                    | 60.6                   | 168                   |
| 12 - 15                      | 613            | 3.5            | 2.2                    | 1.5            | 10.0                      | 4.3                    | 20.0                        | 2,787          | 6.9            | 72.2                   | 7.3            | 75.3                        | 0.8                    | 0.8                       | 3,400            | 3.0                    | 76.6                   | 246                   |
| <b>Subtotal &lt;=15</b>      | <b>12,854</b>  | <b>73.5</b>    | <b>13.5</b>            | <b>9.4</b>     | <b>3.1</b>                | <b>23.9</b>            | <b>5.5</b>                  | <b>31,769</b>  | <b>78.7</b>    | <b>338.2</b>           | <b>34.0</b>    | <b>31.2</b>                 | <b>4.2</b>             | <b>0.4</b>                | <b>44,623</b>    | <b>17.7</b>            | <b>362.1</b>           | <b>1,298</b>          |
| 15 - 20                      | 713            | 4.1            | 3.3                    | 2.3            | 13.0                      | 6.5                    | 25.9                        | 2,767          | 6.9            | 91.4                   | 9.2            | 97.3                        | 0.9                    | 1.0                       | 3,480            | 4.2                    | 97.9                   | 375                   |
| 20 - 25                      | 481            | 2.8            | 2.8                    | 1.9            | 16.3                      | 6.1                    | 36.1                        | 1,511          | 3.7            | 63.4                   | 6.4            | 126.0                       | 0.6                    | 1.3                       | 1,992            | 3.4                    | 69.5                   | 294                   |
| 25 - 30                      | 340            | 2.0            | 2.5                    | 1.7            | 20.4                      | 5.2                    | 42.8                        | 901            | 2.2            | 46.6                   | 4.7            | 155.2                       | 0.4                    | 1.5                       | 1,241            | 2.9                    | 51.8                   | 235                   |
| 30 - 40                      | 530            | 3.0            | 4.8                    | 3.3            | 25.6                      | 10.4                   | 55.6                        | 1,057          | 2.6            | 65.9                   | 6.6            | 191.8                       | 0.9                    | 2.5                       | 1,587            | 5.6                    | 76.3                   | 443                   |
| 40 - 50                      | 353            | 2.0            | 4.0                    | 2.8            | 32.0                      | 9.6                    | 76.6                        | 560            | 1.4            | 43.2                   | 4.3            | 242.6                       | 0.7                    | 4.2                       | 913              | 4.8                    | 52.8                   | 368                   |
| 50 - 100                     | 930            | 5.3            | 17.0                   | 11.8           | 51.6                      | 36.3                   | 110.5                       | 1,132          | 2.8            | 126.9                  | 12.8           | 347.0                       | 3.9                    | 10.7                      | 2,062            | 20.9                   | 163.2                  | 1,196                 |
| <b>Subtotal &lt;=100</b>     | <b>16,201</b>  | <b>92.7</b>    | <b>47.7</b>            | <b>33.1</b>    | <b>8.6</b>                | <b>98.1</b>            | <b>17.7</b>                 | <b>39,697</b>  | <b>98.3</b>    | <b>775.6</b>           | <b>77.9</b>    | <b>57.6</b>                 | <b>11.8</b>            | <b>0.9</b>                | <b>55,898</b>    | <b>59.5</b>            | <b>873.6</b>           | <b>4,209</b>          |
| 100 - 200                    | 465            | 2.7            | 15.8                   | 10.9           | 99.1                      | 36.8                   | 231.6                       | 408            | 1.0            | 78.3                   | 7.9            | 605.4                       | 4.8                    | 36.7                      | 873              | 20.5                   | 115.2                  | 693                   |
| 200 - 400                    | 319            | 1.8            | 19.2                   | 13.3           | 199.6                     | 44.8                   | 464.8                       | 165            | 0.4            | 59.0                   | 5.9            | 1,132.3                     | 4.4                    | 83.5                      | 484              | 23.6                   | 103.8                  | 438                   |
| 400 - 800                    | 251            | 1.4            | 24.7                   | 17.2           | 413.3                     | 55.5                   | 928.4                       | 76             | 0.2            | 46.5                   | 4.7            | 2,268.3                     | 3.9                    | 189.4                     | 327              | 28.6                   | 102.0                  | 316                   |
| 800 - 1,600                  | 207            | 1.2            | 30.8                   | 21.4           | 797.8                     | 65.9                   | 1,705.4                     | 38             | 0.1            | 29.9                   | 3.0            | 4,349.3                     | 2.4                    | 354.7                     | 245              | 33.2                   | 95.7                   | 245                   |
| 1,600 - 3,200                | 35             | 0.2            | 5.8                    | 4.1            | 1,337.1                   | 13.3                   | 3,036.6                     | 6              | 0.0            | 5.9                    | 0.6            | 8,810.5                     | 0.3                    | 435.4                     | 41               | 6.1                    | 19.2                   | 41                    |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>17,478</b>  | <b>100.0</b>   | <b>144.1</b>           | <b>100.0</b>   | <b>24.4</b>               | <b>314.3</b>           | <b>53.3</b>                 | <b>40,390</b>  | <b>100.0</b>   | <b>995.2</b>           | <b>100.0</b>   | <b>72.7</b>                 | <b>27.5</b>            | <b>2.0</b>                | <b>57,868</b>    | <b>171.6</b>           | <b>1,309.5</b>         | <b>5,942</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B39. Nevada oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 9              | 15.3           | 0.0                  | 0.3            | 0.3                       | 0.0                    | 0.0                         | 1              | 100.0          | 0.0                    | 100.0          | 0.2                         | 0.0                    | 0.0                       | 10               | 0.0                    | 0.0                    | 0                     |
| 1 - 2                        | 3              | 5.1            | 0.0                  | 0.4            | 1.2                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 4              | 6.8            | 0.0                  | 1.3            | 2.5                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 4                | 0.0                    | 0.0                    | 0                     |
| 4 - 6                        | 3              | 5.1            | 0.0                  | 2.1            | 5.4                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 6 - 8                        | 5              | 8.5            | 0.0                  | 4.2            | 6.5                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 5                | 0.0                    | 0.0                    | 0                     |
| 8 - 10                       | 8              | 13.6           | 0.0                  | 9.3            | 9.1                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 8                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>32</b>      | <b>54.2</b>    | <b>0.1</b>           | <b>17.6</b>    | <b>4.7</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>0.2</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>33</b>        | <b>0.1</b>             | <b>0.0</b>             | <b>0</b>              |
| 10 - 12                      | 5              | 8.5            | 0.0                  | 7.5            | 11.7                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 5                | 0.0                    | 0.0                    | 0                     |
| 12 - 15                      | 6              | 10.2           | 0.0                  | 10.2           | 13.2                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 6                | 0.0                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=15</b>      | <b>43</b>      | <b>72.9</b>    | <b>0.1</b>           | <b>35.3</b>    | <b>6.8</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>0.2</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>44</b>        | <b>0.1</b>             | <b>0.0</b>             | <b>0</b>              |
| 15 - 20                      | 6              | 10.2           | 0.0                  | 12.6           | 16.5                      | 0.0                    | 0.5                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 6                | 0.0                    | 0.0                    | 0                     |
| 20 - 25                      | 1              | 1.7            | 0.0                  | 2.9            | 22.8                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 25 - 30                      | 3              | 5.1            | 0.0                  | 10.7           | 27.6                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 30 - 40                      | 3              | 5.1            | 0.0                  | 13.3           | 34.4                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 0                     |
| 40 - 50                      | 1              | 1.7            | 0.0                  | 5.2            | 40.1                      | 0.0                    | 3.9                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 50 - 100                     | 2              | 3.4            | 0.1                  | 20.0           | 77.5                      | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 2                | 0.1                    | 0.0                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>59</b>      | <b>100.0</b>   | <b>0.3</b>           | <b>100.0</b>   | <b>13.9</b>               | <b>0.0</b>             | <b>0.1</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>0.2</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>60</b>        | <b>0.3</b>             | <b>0.0</b>             | <b>0</b>              |
| 100 - 200                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 200 - 400                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>59</b>      | <b>100.0</b>   | <b>0.3</b>           | <b>100.0</b>   | <b>13.9</b>               | <b>0.0</b>             | <b>0.1</b>                  | <b>1</b>       | <b>100.0</b>   | <b>0.0</b>             | <b>100.0</b>   | <b>0.2</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>60</b>        | <b>0.3</b>             | <b>0.0</b>             | <b>0</b>              |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.



Table B40. New York oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 2,115          | 85.8           | 0.1                    | 61.8           | 0.2                       | 0.1                    | 0.2                         | 6,494          | 88.6           | 4.3                    | 38.4           | 2.0                         | 0.0                    | 0.0                       | 8,609            | 0.1                    | 4.4                    | 9                     |
| 1 - 2                        | 204            | 8.3            | 0.0                    | 19.7           | 1.2                       | 0.0                    | 1.0                         | 608            | 8.3            | 1.8                    | 15.8           | 8.1                         | 0.0                    | 0.0                       | 812              | 0.0                    | 1.8                    | 10                    |
| 2 - 4                        | 80             | 3.3            | 0.0                    | 10.6           | 2.4                       | 0.0                    | 0.0                         | 153            | 2.1            | 0.9                    | 8.0            | 16.2                        | 0.0                    | 0.0                       | 233              | 0.0                    | 0.9                    | 8                     |
| 4 - 6                        | 51             | 2.1            | 0.0                    | 4.7            | 4.4                       | 0.0                    | 0.0                         | 23             | 0.3            | 0.2                    | 2.2            | 29.3                        | 0.0                    | 0.0                       | 74               | 0.0                    | 0.2                    | 3                     |
| 6 - 8                        | 4              | 0.2            | 0.0                    | 0.6            | 6.9                       | 0.0                    | 0.0                         | 8              | 0.1            | 0.1                    | 1.1            | 40.6                        | 0.0                    | 0.0                       | 12               | 0.0                    | 0.1                    | 4                     |
| 8 - 10                       | 1              | 0.0            | 0.0                    | 0.2            | 8.5                       | 0.0                    | 0.0                         | 4              | 0.1            | 0.1                    | 0.7            | 53.1                        | 0.0                    | 0.0                       | 5                | 0.0                    | 0.1                    | 1                     |
| <b>Subtotal &lt;=10</b>      | <b>2,455</b>   | <b>99.6</b>    | <b>0.1</b>             | <b>97.6</b>    | <b>0.3</b>                | <b>0.1</b>             | <b>0.2</b>                  | <b>7,290</b>   | <b>99.4</b>    | <b>7.5</b>             | <b>66.1</b>    | <b>3.1</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>9,745</b>     | <b>0.2</b>             | <b>7.6</b>             | <b>35</b>             |
| 10 - 12                      | 5              | 0.2            | 0.0                    | 1.1            | 10.6                      | 0.0                    | 0.0                         | 4              | 0.1            | 0.1                    | 0.9            | 67.5                        | 0.0                    | 0.0                       | 9                | 0.0                    | 0.1                    | 2                     |
| 12 - 15                      | 5              | 0.2            | 0.0                    | 1.4            | 12.9                      | 0.0                    | 0.0                         | 7              | 0.1            | 0.2                    | 1.9            | 82.7                        | 0.0                    | 0.0                       | 12               | 0.0                    | 0.2                    | 3                     |
| <b>Subtotal &lt;=15</b>      | <b>2,465</b>   | <b>100.0</b>   | <b>0.1</b>             | <b>100.0</b>   | <b>0.3</b>                | <b>0.1</b>             | <b>0.2</b>                  | <b>7,301</b>   | <b>99.6</b>    | <b>7.8</b>             | <b>68.9</b>    | <b>3.2</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>9,766</b>     | <b>0.2</b>             | <b>7.9</b>             | <b>40</b>             |
| 15 - 20                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 7              | 0.1            | 0.3                    | 2.3            | 103.4                       | 0.0                    | 0.0                       | 7                | 0.0                    | 0.3                    | 1                     |
| 20 - 25                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 6              | 0.1            | 0.3                    | 2.6            | 131.8                       | 0.0                    | 0.0                       | 6                | 0.0                    | 0.3                    | 3                     |
| 25 - 30                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 0.1                    | 0.5            | 153.5                       | 0.0                    | 0.0                       | 1                | 0.0                    | 0.1                    | 0                     |
| 30 - 40                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 6              | 0.1            | 0.4                    | 4.0            | 203.8                       | 0.0                    | 0.0                       | 6                | 0.0                    | 0.4                    | 2                     |
| 40 - 50                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 3              | 0.0            | 0.3                    | 2.6            | 266.9                       | 0.0                    | 0.0                       | 3                | 0.0                    | 0.3                    | 0                     |
| 50 - 100                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 8              | 0.1            | 1.3                    | 11.1           | 429.8                       | 0.0                    | 0.0                       | 8                | 0.0                    | 1.3                    | 2                     |
| <b>Subtotal &lt;=100</b>     | <b>2,465</b>   | <b>100.0</b>   | <b>0.1</b>             | <b>100.0</b>   | <b>0.3</b>                | <b>0.1</b>             | <b>0.2</b>                  | <b>7,332</b>   | <b>100.0</b>   | <b>10.4</b>            | <b>91.9</b>    | <b>4.3</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>9,797</b>     | <b>0.2</b>             | <b>10.5</b>            | <b>48</b>             |
| 100 - 200                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 0.4                    | 3.5            | 1,088.1                     | 0.0                    | 0.0                       | 1                | 0.0                    | 0.4                    | 1                     |
| 200 - 400                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 0.5                    | 4.5            | 1,400.6                     | 0.0                    | 0.0                       | 1                | 0.0                    | 0.5                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>2,465</b>   | <b>100.0</b>   | <b>0.1</b>             | <b>100.0</b>   | <b>0.3</b>                | <b>0.1</b>             | <b>0.2</b>                  | <b>7,334</b>   | <b>100.0</b>   | <b>11.3</b>            | <b>100.0</b>   | <b>4.6</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>9,799</b>     | <b>0.2</b>             | <b>11.4</b>            | <b>49</b>             |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B41. Ohio oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 10,344         | 83.2           | 1.0                    | 14.3           | 0.3                       | 1.3                    | 0.3                         | 21,937         | 74.0           | 14.7                   | 0.8            | 1.9                         | 0.3                    | 0.0                       | 32,281           | 1.2                    | 15.9                   | 17                    |
| 1 - 2                        | 1,237          | 10.0           | 0.5                    | 6.7            | 1.0                       | 0.9                    | 2.1                         | 3,992          | 13.5           | 10.7                   | 0.6            | 7.4                         | 0.2                    | 0.2                       | 5,229            | 0.7                    | 11.7                   | 4                     |
| 2 - 4                        | 474            | 3.8            | 0.4                    | 5.3            | 2.1                       | 0.7                    | 3.9                         | 1,427          | 4.8            | 7.4                    | 0.4            | 14.5                        | 0.1                    | 0.3                       | 1,901            | 0.5                    | 8.1                    | 4                     |
| 4 - 6                        | 110            | 0.9            | 0.2                    | 2.2            | 3.8                       | 0.2                    | 6.3                         | 252            | 0.9            | 2.3                    | 0.1            | 25.9                        | 0.1                    | 0.6                       | 362              | 0.2                    | 2.6                    | 5                     |
| 6 - 8                        | 60             | 0.5            | 0.1                    | 1.8            | 5.7                       | 0.2                    | 7.3                         | 88             | 0.3            | 1.1                    | 0.1            | 35.9                        | 0.0                    | 0.8                       | 148              | 0.1                    | 1.3                    | 4                     |
| 8 - 10                       | 37             | 0.3            | 0.1                    | 1.6            | 8.1                       | 0.1                    | 4.6                         | 45             | 0.2            | 0.8                    | 0.0            | 47.6                        | 0.0                    | 0.9                       | 82               | 0.1                    | 0.8                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>12,262</b>  | <b>98.6</b>    | <b>2.2</b>             | <b>32.0</b>    | <b>0.5</b>                | <b>3.3</b>             | <b>0.8</b>                  | <b>27,741</b>  | <b>93.6</b>    | <b>37.0</b>            | <b>2.1</b>     | <b>3.7</b>                  | <b>0.7</b>             | <b>0.1</b>                | <b>40,003</b>    | <b>2.9</b>             | <b>40.4</b>            | <b>34</b>             |
| 10 - 12                      | 33             | 0.3            | 0.1                    | 1.7            | 9.7                       | 0.1                    | 7.8                         | 31             | 0.1            | 0.6                    | 0.0            | 59.1                        | 0.0                    | 0.9                       | 64               | 0.1                    | 0.7                    | 2                     |
| 12 - 15                      | 26             | 0.2            | 0.1                    | 1.5            | 12.0                      | 0.1                    | 7.7                         | 16             | 0.1            | 0.3                    | 0.0            | 71.5                        | 0.0                    | 1.3                       | 42               | 0.1                    | 0.4                    | 4                     |
| <b>Subtotal &lt;=15</b>      | <b>12,321</b>  | <b>99.1</b>    | <b>2.4</b>             | <b>35.1</b>    | <b>0.5</b>                | <b>3.5</b>             | <b>0.8</b>                  | <b>27,788</b>  | <b>93.8</b>    | <b>38.0</b>            | <b>2.2</b>     | <b>3.8</b>                  | <b>0.7</b>             | <b>0.1</b>                | <b>40,109</b>    | <b>3.1</b>             | <b>41.5</b>            | <b>40</b>             |
| 15 - 20                      | 27             | 0.2            | 0.1                    | 2.1            | 14.6                      | 0.2                    | 18.2                        | 19             | 0.1            | 0.6                    | 0.0            | 93.6                        | 0.0                    | 1.4                       | 46               | 0.2                    | 0.8                    | 6                     |
| 20 - 25                      | 10             | 0.1            | 0.1                    | 1.1            | 19.8                      | 0.1                    | 15.4                        | 16             | 0.1            | 0.6                    | 0.0            | 115.5                       | 0.0                    | 3.4                       | 26               | 0.1                    | 0.7                    | 14                    |
| 25 - 30                      | 4              | 0.0            | 0.0                    | 0.5            | 24.0                      | 0.0                    | 27.1                        | 13             | 0.0            | 0.7                    | 0.0            | 153.5                       | 0.0                    | 1.6                       | 17               | 0.0                    | 0.8                    | 6                     |
| 30 - 40                      | 7              | 0.1            | 0.1                    | 0.9            | 24.1                      | 0.2                    | 65.4                        | 27             | 0.1            | 1.5                    | 0.1            | 162.0                       | 0.1                    | 8.0                       | 34               | 0.1                    | 1.6                    | 21                    |
| 40 - 50                      | 3              | 0.0            | 0.0                    | 0.5            | 31.5                      | 0.1                    | 65.1                        | 30             | 0.1            | 2.3                    | 0.1            | 211.1                       | 0.1                    | 10.4                      | 33               | 0.1                    | 2.4                    | 30                    |
| 50 - 100                     | 2              | 0.0            | 0.0                    | 0.6            | 50.8                      | 0.1                    | 131.2                       | 234            | 0.8            | 32.2                   | 1.8            | 384.7                       | 1.1                    | 12.6                      | 236              | 1.1                    | 32.3                   | 230                   |
| <b>Subtotal &lt;=100</b>     | <b>12,374</b>  | <b>99.5</b>    | <b>2.8</b>             | <b>40.7</b>    | <b>0.6</b>                | <b>4.1</b>             | <b>0.9</b>                  | <b>28,127</b>  | <b>94.9</b>    | <b>75.9</b>            | <b>4.4</b>     | <b>7.5</b>                  | <b>2.0</b>             | <b>0.2</b>                | <b>40,501</b>    | <b>4.8</b>             | <b>80.0</b>            | <b>347</b>            |
| 100 - 200                    | 7              | 0.1            | 0.2                    | 3.3            | 91.9                      | 1.0                    | 413.0                       | 420            | 1.4            | 114.9                  | 6.6            | 755.8                       | 3.1                    | 20.3                      | 427              | 3.3                    | 115.9                  | 425                   |
| 200 - 400                    | 5              | 0.0            | 0.3                    | 3.7            | 157.5                     | 1.3                    | 834.1                       | 377            | 1.3            | 207.4                  | 11.9           | 1,530.1                     | 3.2                    | 23.3                      | 382              | 3.4                    | 208.7                  | 382                   |
| 400 - 800                    | 36             | 0.3            | 2.5                    | 36.2           | 338.2                     | 11.2                   | 1,533.2                     | 242            | 0.8            | 254.6                  | 14.6           | 3,204.6                     | 2.3                    | 28.4                      | 278              | 4.7                    | 265.8                  | 275                   |
| 800 - 1,600                  | 8              | 0.1            | 0.8                    | 11.8           | 652.3                     | 3.3                    | 2,685.6                     | 226            | 0.8            | 398.5                  | 22.9           | 6,689.1                     | 2.6                    | 44.0                      | 234              | 3.4                    | 401.8                  | 233                   |
| 1,600 - 3,200                | 1              | 0.0            | 0.1                    | 2.0            | 1,484.3                   | 0.4                    | 4,885.5                     | 209            | 0.7            | 616.7                  | 35.4           | 13,225.3                    | 0.1                    | 2.1                       | 210              | 0.2                    | 617.1                  | 210                   |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 25             | 0.1            | 70.1                   | 4.0            | 23,954.9                    | 0.0                    | 0.0                       | 25               | 0.0                    | 70.1                   | 25                    |
| 6,400 - 12,800               | 1              | 0.0            | 0.2                    | 2.3            | 4,957.8                   | 0.5                    | 15,024.4                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 1                | 0.2                    | 0.5                    | 1                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.0            | 5.7                    | 0.3            | 96,657.9                    | 0.0                    | 0.0                       | 1                | 0.0                    | 5.7                    | 1                     |
| <b>Total</b>                 | <b>12,432</b>  | <b>100.0</b>   | <b>6.8</b>             | <b>100.0</b>   | <b>1.5</b>                | <b>21.8</b>            | <b>5.0</b>                  | <b>29,627</b>  | <b>100.0</b>   | <b>1,743.8</b>         | <b>100.0</b>   | <b>164.8</b>                | <b>13.2</b>            | <b>1.3</b>                | <b>42,059</b>    | <b>20.0</b>            | <b>1,765.6</b>         | <b>1,899</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B42. Oklahoma oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells |                             |                |                |                        |                             |                        |                           | Total wells      |                        |                        |                       |                |               |
|------------------------------|----------------|----------------|------------------------|----------------|-------------------------|-----------------------------|----------------|----------------|------------------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|----------------|---------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Annual gas prod. (Bcf)  | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |                |               |
| 0 - 1                        | 17,091         | 48.5           | 2.0                    | 1.8            | 0.4                     | 0.1                         | 0.0            | 6,603          | 14.2                   | 5.1                         | 0.2                    | 2.5                       | 0.0              | 0.0                    | 23,694                 | 2.0                   | 5.2            | 522           |
| 1 - 2                        | 5,291          | 15.0           | 2.3                    | 2.1            | 1.4                     | 0.4                         | 0.3            | 4,360          | 9.4                    | 12.6                        | 0.6                    | 8.7                       | 0.1              | 0.0                    | 9,651                  | 2.3                   | 13.0           | 288           |
| 2 - 4                        | 4,321          | 12.3           | 3.8                    | 3.5            | 2.7                     | 1.4                         | 1.0            | 6,935          | 14.9                   | 39.3                        | 1.8                    | 16.9                      | 0.3              | 0.1                    | 11,256                 | 4.1                   | 40.7           | 573           |
| 4 - 6                        | 1,978          | 5.6            | 2.7                    | 2.6            | 4.4                     | 1.8                         | 2.9            | 5,163          | 11.1                   | 48.6                        | 2.3                    | 28.0                      | 0.5              | 0.3                    | 7,141                  | 3.2                   | 50.4           | 565           |
| 6 - 8                        | 1,025          | 2.9            | 2.0                    | 1.9            | 6.1                     | 1.6                         | 4.8            | 3,666          | 7.9                    | 47.0                        | 2.2                    | 38.9                      | 0.5              | 0.5                    | 4,691                  | 2.6                   | 48.6           | 469           |
| 8 - 10                       | 725            | 2.1            | 1.9                    | 1.7            | 7.7                     | 1.8                         | 7.4            | 2,508          | 5.4                    | 41.0                        | 1.9                    | 50.0                      | 0.5              | 0.6                    | 3,233                  | 2.4                   | 42.8           | 369           |
| <b>Subtotal &lt;=10</b>      | <b>30,431</b>  | <b>86.4</b>    | <b>14.7</b>            | <b>13.7</b>    | <b>1.5</b>              | <b>7.2</b>                  | <b>0.8</b>     | <b>29,235</b>  | <b>62.8</b>            | <b>193.6</b>                | <b>9.1</b>             | <b>20.2</b>               | <b>1.9</b>       | <b>0.2</b>             | <b>59,666</b>          | <b>16.6</b>           | <b>200.8</b>   | <b>2,786</b>  |
| 10 - 12                      | 473            | 1.3            | 1.5                    | 1.4            | 9.5                     | 1.3                         | 8.7            | 1,959          | 4.2                    | 38.2                        | 1.8                    | 60.5                      | 0.5              | 0.8                    | 2,432                  | 2.0                   | 39.5           | 363           |
| 12 - 15                      | 480            | 1.4            | 1.7                    | 1.6            | 11.1                    | 2.2                         | 14.3           | 2,023          | 4.3                    | 48.1                        | 2.3                    | 74.4                      | 0.6              | 1.0                    | 2,503                  | 2.4                   | 50.3           | 531           |
| <b>Subtotal &lt;=15</b>      | <b>31,384</b>  | <b>89.1</b>    | <b>17.9</b>            | <b>16.6</b>    | <b>1.8</b>              | <b>10.7</b>                 | <b>1.1</b>     | <b>33,217</b>  | <b>71.3</b>            | <b>279.9</b>                | <b>13.1</b>            | <b>25.7</b>               | <b>3.1</b>       | <b>0.3</b>             | <b>64,601</b>          | <b>21.0</b>           | <b>290.6</b>   | <b>3,680</b>  |
| 15 - 20                      | 633            | 1.8            | 3.0                    | 2.8            | 14.4                    | 3.7                         | 18.1           | 2,447          | 5.3                    | 72.4                        | 3.4                    | 95.0                      | 1.1              | 1.5                    | 3,080                  | 4.1                   | 76.1           | 840           |
| 20 - 25                      | 398            | 1.1            | 2.1                    | 2.0            | 17.1                    | 3.9                         | 31.3           | 1,622          | 3.5                    | 60.6                        | 2.8                    | 119.5                     | 1.3              | 2.5                    | 2,020                  | 3.4                   | 64.5           | 744           |
| 25 - 30                      | 295            | 0.8            | 2.0                    | 1.8            | 21.7                    | 3.2                         | 34.7           | 1,169          | 2.5                    | 53.1                        | 2.5                    | 145.4                     | 1.1              | 3.1                    | 1,464                  | 3.1                   | 56.2           | 642           |
| 30 - 40                      | 454            | 1.3            | 3.6                    | 3.4            | 26.4                    | 6.5                         | 47.9           | 1,686          | 3.6                    | 94.3                        | 4.4                    | 182.4                     | 2.2              | 4.2                    | 2,140                  | 5.8                   | 100.8          | 1,133         |
| 40 - 50                      | 270            | 0.8            | 2.7                    | 2.5            | 33.8                    | 5.0                         | 63.5           | 1,171          | 2.5                    | 84.1                        | 4.0                    | 231.7                     | 2.2              | 6.0                    | 1,441                  | 4.8                   | 89.1           | 912           |
| 50 - 100                     | 612            | 1.7            | 9.6                    | 9.0            | 53.2                    | 19.2                        | 106.1          | 2,682          | 5.8                    | 311.4                       | 14.6                   | 368.8                     | 6.9              | 8.2                    | 3,294                  | 16.5                  | 330.5          | 2,438         |
| <b>Subtotal &lt;=100</b>     | <b>34,046</b>  | <b>96.6</b>    | <b>40.8</b>            | <b>38.0</b>    | <b>3.8</b>              | <b>52.2</b>                 | <b>4.9</b>     | <b>43,994</b>  | <b>94.4</b>            | <b>955.7</b>                | <b>44.8</b>            | <b>67.2</b>               | <b>18.0</b>      | <b>1.3</b>             | <b>78,040</b>          | <b>58.7</b>           | <b>1,007.9</b> | <b>10,389</b> |
| 100 - 200                    | 465            | 1.3            | 14.2                   | 13.3           | 104.9                   | 30.4                        | 224.0          | 1,265          | 2.7                    | 273.6                       | 12.8                   | 711.6                     | 6.9              | 17.8                   | 1,730                  | 21.1                  | 304.0          | 1,400         |
| 200 - 400                    | 410            | 1.2            | 20.0                   | 18.6           | 204.9                   | 45.6                        | 468.2          | 705            | 1.5                    | 289.5                       | 13.6                   | 1,431.2                   | 9.0              | 44.3                   | 1,115                  | 28.9                  | 335.1          | 1,010         |
| 400 - 800                    | 230            | 0.7            | 18.4                   | 17.1           | 377.0                   | 46.3                        | 949.9          | 377            | 0.8                    | 271.3                       | 12.7                   | 2,739.1                   | 8.9              | 89.6                   | 607                    | 27.3                  | 317.6          | 570           |
| 800 - 1,600                  | 69             | 0.2            | 9.4                    | 8.7            | 763.2                   | 21.5                        | 1,751.8        | 182            | 0.4                    | 210.9                       | 9.9                    | 5,404.8                   | 5.5              | 140.4                  | 251                    | 14.9                  | 232.5          | 239           |
| 1,600 - 3,200                | 12             | 0.0            | 3.0                    | 2.8            | 1,672.8                 | 4.3                         | 2,426.6        | 58             | 0.1                    | 120.5                       | 5.7                    | 10,742.5                  | 1.6              | 138.3                  | 70                     | 4.5                   | 124.7          | 68            |
| 3,200 - 6,400                | 3              | 0.0            | 1.6                    | 1.5            | 3,256.1                 | 0.3                         | 684.1          | 5              | 0.0                    | 9.6                         | 0.5                    | 22,432.0                  | 0.2              | 420.5                  | 8                      | 1.8                   | 10.0           | 7             |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                     | 0.0                         | 0.0            | 1              | 0.0                    | 1.2                         | 0.1                    | 39,451.6                  | 0.0              | 0.0                    | 1                      | 0.0                   | 1.2            | 1             |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                     | 0.0                         | 0.0            | 0              | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0.0                    | 0                      | 0.0                   | 0.0            | 0             |
| <b>Total</b>                 | <b>35,235</b>  | <b>100.0</b>   | <b>107.3</b>           | <b>100.0</b>   | <b>9.8</b>              | <b>200.7</b>                | <b>18.4</b>    | <b>46,587</b>  | <b>100.0</b>           | <b>2,132.3</b>              | <b>100.0</b>           | <b>142.5</b>              | <b>49.9</b>      | <b>3.3</b>             | <b>81,822</b>          | <b>157.1</b>          | <b>2,333.0</b> | <b>13,684</b> |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B43. Oregon oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                           | Natural Gas (Gas) wells |                             |                |                |                        |                             | Total wells            |                           |                  |                        |                        |                       |          |
|------------------------------|----------------|----------------|----------------------|---------------------------|-------------------------|-----------------------------|----------------|----------------|------------------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|----------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMb | Oil rate per well (b/day) | Annual gas prod. (Bcf)  | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |          |
| 0 - 1                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 2              | 14.3           | 0.0                    | 0.4                         | 4.0                    | 0.0                       | 0.0              | 2                      | 0.0                    | 0.0                   | 0        |
| 1 - 2                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 2 - 4                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 2              | 14.3           | 0.0                    | 2.1                         | 19.1                   | 0.0                       | 0.0              | 2                      | 0.0                    | 0.0                   | 0        |
| 4 - 6                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 2              | 14.3           | 0.0                    | 3.2                         | 28.6                   | 0.0                       | 0.0              | 2                      | 0.0                    | 0.0                   | 0        |
| 6 - 8                        | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.0                    | 2.0                         | 36.1                   | 0.0                       | 0.0              | 1                      | 0.0                    | 0.0                   | 0        |
| 8 - 10                       | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.0                    | 2.8                         | 50.0                   | 0.0                       | 0.0              | 1                      | 0.0                    | 0.0                   | 0        |
| <b>Subtotal &lt;=10</b>      | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>8</b>       | <b>57.1</b>    | <b>0.1</b>             | <b>10.5</b>                 | <b>23.7</b>            | <b>0.0</b>                | <b>0.0</b>       | <b>8</b>               | <b>0.0</b>             | <b>0.1</b>            | <b>0</b> |
| 10 - 12                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.0                    | 3.5                         | 64.0                   | 0.0                       | 0.0              | 1                      | 0.0                    | 0.0                   | 0        |
| 12 - 15                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.0                    | 4.5                         | 81.6                   | 0.0                       | 0.0              | 1                      | 0.0                    | 0.0                   | 0        |
| <b>Subtotal &lt;=15</b>      | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>10</b>      | <b>71.4</b>    | <b>0.1</b>             | <b>18.5</b>                 | <b>33.5</b>            | <b>0.0</b>                | <b>0.0</b>       | <b>10</b>              | <b>0.0</b>             | <b>0.1</b>            | <b>0</b> |
| 15 - 20                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 20 - 25                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 25 - 30                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.1                    | 9.3                         | 168.5                  | 0.0                       | 0.0              | 1                      | 0.0                    | 0.1                   | 0        |
| 30 - 40                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 40 - 50                      | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.1                    | 15.2                        | 274.3                  | 0.0                       | 0.0              | 1                      | 0.0                    | 0.1                   | 0        |
| 50 - 100                     | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.1                    | 22.3                        | 402.1                  | 0.0                       | 0.0              | 1                      | 0.0                    | 0.1                   | 0        |
| <b>Subtotal &lt;=100</b>     | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>13</b>      | <b>92.9</b>    | <b>0.4</b>             | <b>65.3</b>                 | <b>90.7</b>            | <b>0.0</b>                | <b>0.0</b>       | <b>13</b>              | <b>0.0</b>             | <b>0.4</b>            | <b>0</b> |
| 100 - 200                    | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 1              | 7.1            | 0.2                    | 34.7                        | 626.4                  | 0.0                       | 0.0              | 1                      | 0.0                    | 0.2                   | 0        |
| 200 - 400                    | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 400 - 800                    | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0                       | 0.0                     | 0.0                         | 0              | 0.0            | 0.0                    | 0.0                         | 0.0                    | 0.0                       | 0.0              | 0                      | 0.0                    | 0.0                   | 0        |
| <b>Total</b>                 | <b>0</b>       | <b>0.0</b>     | <b>0.0</b>           | <b>0.0</b>                | <b>0.0</b>              | <b>0.0</b>                  | <b>14</b>      | <b>100.0</b>   | <b>0.7</b>             | <b>100.0</b>                | <b>129.0</b>           | <b>0.0</b>                | <b>0.0</b>       | <b>14</b>              | <b>0.0</b>             | <b>0.7</b>            | <b>0</b> |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

**Table B44. Pennsylvania oil and gas well summary statistics, 2017**

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                           | Natural Gas (Gas) wells |                             |                |                |                        |                             |                        |                           | Total wells      |                        |                        |                       |                |              |
|------------------------------|----------------|----------------|------------------------|---------------------------|-------------------------|-----------------------------|----------------|----------------|------------------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|----------------|--------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | Oil rate per well (b/day) | Annual gas prod. (Bcf)  | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |                |              |
| 0 - 1                        | 10,293         | 93.8           | 0.6                    | 66.5                      | 0.2                     | 1.3                         | 0.4            | 45,923         | 67.7                   | 36.9                        | 0.7                    | 2.3                       | 0.3              | 0.0                    | 56,216                 | 0.9                   | 38.2           | 46           |
| 1 - 2                        | 551            | 5.0            | 0.2                    | 18.7                      | 0.9                     | 0.5                         | 2.4            | 10,286         | 15.2                   | 30.4                        | 0.6                    | 8.1                       | 0.1              | 0.0                    | 10,837                 | 0.2                   | 30.9           | 16           |
| 2 - 4                        | 89             | 0.8            | 0.1                    | 5.5                       | 1.9                     | 0.1                         | 3.8            | 2,802          | 4.1                    | 15.8                        | 0.3                    | 15.5                      | 0.0              | 0.0                    | 2,891                  | 0.1                   | 15.9           | 24           |
| 4 - 6                        | 18             | 0.2            | 0.0                    | 1.1                       | 3.5                     | 0.0                         | 9.3            | 435            | 0.6                    | 4.5                         | 0.1                    | 28.7                      | 0.0              | 0.0                    | 453                    | 0.0                   | 4.5            | 32           |
| 6 - 8                        | 11             | 0.1            | 0.0                    | 1.8                       | 4.8                     | 0.0                         | 12.2           | 201            | 0.3                    | 2.9                         | 0.1                    | 41.1                      | 0.0              | 0.1                    | 212                    | 0.0                   | 3.0            | 25           |
| 8 - 10                       | 8              | 0.1            | 0.0                    | 1.7                       | 5.4                     | 0.1                         | 23.7           | 118            | 0.2                    | 2.3                         | 0.0                    | 53.2                      | 0.0              | 0.0                    | 126                    | 0.0                   | 2.3            | 10           |
| <b>Subtotal &lt;=10</b>      | <b>10,970</b>  | <b>100.0</b>   | <b>0.9</b>             | <b>95.4</b>               | <b>0.3</b>              | <b>2.0</b>                  | <b>0.6</b>     | <b>59,765</b>  | <b>88.1</b>            | <b>92.8</b>                 | <b>1.7</b>             | <b>4.4</b>                | <b>0.3</b>       | <b>0.0</b>             | <b>70,735</b>          | <b>1.2</b>            | <b>94.8</b>    | <b>153</b>   |
| 10 - 12                      | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 96             | 0.1                    | 2.2                         | 0.0                    | 65.1                      | 0.0              | 0.0                    | 96                     | 0.0                   | 2.2            | 16           |
| 12 - 15                      | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 91             | 0.1                    | 2.6                         | 0.1                    | 80.4                      | 0.0              | 0.0                    | 91                     | 0.0                   | 2.6            | 21           |
| <b>Subtotal &lt;=15</b>      | <b>10,970</b>  | <b>100.0</b>   | <b>0.9</b>             | <b>95.4</b>               | <b>0.3</b>              | <b>2.0</b>                  | <b>0.6</b>     | <b>59,952</b>  | <b>88.3</b>            | <b>97.6</b>                 | <b>1.8</b>             | <b>4.6</b>                | <b>0.3</b>       | <b>0.0</b>             | <b>70,922</b>          | <b>1.2</b>            | <b>99.6</b>    | <b>190</b>   |
| 15 - 20                      | 1              | 0.0            | 0.0                    | 0.5                       | 12.2                    | 0.0                         | 29.7           | 89             | 0.1                    | 3.2                         | 0.1                    | 103.0                     | 0.0              | 0.2                    | 90                     | 0.0                   | 3.2            | 40           |
| 20 - 25                      | 1              | 0.0            | 0.0                    | 0.5                       | 13.3                    | 0.0                         | 48.9           | 77             | 0.1                    | 3.5                         | 0.1                    | 134.3                     | 0.0              | 0.2                    | 78                     | 0.0                   | 3.5            | 57           |
| 25 - 30                      | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 67             | 0.1                    | 3.8                         | 0.1                    | 165.6                     | 0.0              | 0.2                    | 67                     | 0.0                   | 3.8            | 50           |
| 30 - 40                      | 3              | 0.0            | 0.0                    | 3.6                       | 30.3                    | 0.0                         | 0.0            | 164            | 0.2                    | 12.3                        | 0.2                    | 211.7                     | 0.0              | 0.2                    | 167                    | 0.0                   | 12.3           | 151          |
| 40 - 50                      | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 224            | 0.3                    | 21.7                        | 0.4                    | 269.1                     | 0.0              | 0.5                    | 224                    | 0.0                   | 21.7           | 208          |
| 50 - 100                     | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 1,369          | 2.0                    | 218.2                       | 4.0                    | 441.5                     | 0.6              | 1.2                    | 1,369                  | 0.6                   | 218.2          | 1,364        |
| <b>Subtotal &lt;=100</b>     | <b>10,975</b>  | <b>100.0</b>   | <b>0.9</b>             | <b>100.0</b>              | <b>0.3</b>              | <b>2.0</b>                  | <b>0.6</b>     | <b>61,942</b>  | <b>91.3</b>            | <b>360.3</b>                | <b>6.6</b>             | <b>16.4</b>               | <b>1.0</b>       | <b>0.0</b>             | <b>72,917</b>          | <b>1.9</b>            | <b>362.3</b>   | <b>2,060</b> |
| 100 - 200                    | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 1,789          | 2.6                    | 557.9                       | 10.2                   | 867.0                     | 1.0              | 1.5                    | 1,789                  | 1.0                   | 557.9          | 1,785        |
| 200 - 400                    | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 1,924          | 2.8                    | 1,179.3                     | 21.6                   | 1,714.7                   | 1.2              | 1.8                    | 1,924                  | 1.2                   | 1,179.3        | 1,923        |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 1,316          | 1.9                    | 1,456.5                     | 26.6                   | 3,269.5                   | 0.9              | 2.0                    | 1,316                  | 0.9                   | 1,456.5        | 1,314        |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 585            | 0.9                    | 1,083.9                     | 19.8                   | 6,637.8                   | 1.0              | 6.3                    | 585                    | 1.0                   | 1,083.9        | 585          |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 268            | 0.4                    | 703.0                       | 12.8                   | 12,379.2                  | 0.5              | 8.7                    | 268                    | 0.5                   | 703.0          | 268          |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 39             | 0.1                    | 116.9                       | 2.1                    | 24,520.6                  | 0.0              | 0.0                    | 39                     | 0.0                   | 116.9          | 39           |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 3              | 0.0                    | 6.3                         | 0.1                    | 41,301.4                  | 0.0              | 3.4                    | 3                      | 0.0                   | 6.3            | 3            |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0                       | 0.0                     | 0.0                         | 0.0            | 1              | 0.0                    | 9.7                         | 0.2                    | 163,779.6                 | 0.0              | 0.0                    | 1                      | 0.0                   | 9.7            | 0            |
| <b>Total</b>                 | <b>10,975</b>  | <b>100.0</b>   | <b>0.9</b>             | <b>100.0</b>              | <b>0.3</b>              | <b>2.0</b>                  | <b>0.6</b>     | <b>67,867</b>  | <b>100.0</b>           | <b>5,473.7</b>              | <b>100.0</b>           | <b>228.5</b>              | <b>5.6</b>       | <b>0.2</b>             | <b>78,842</b>          | <b>6.6</b>            | <b>5,475.7</b> | <b>7,977</b> |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.

Table B45. South Dakota oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 5              | 4.8            | 0.0                    | 0.1            | 0.5                       | 0.0                    | 0.0                         | 17             | 18.1           | 0.0                    | 0.4            | 4.1                         | 0.0                    | 0.0                       | 22               | 0.0                    | 0.0                    | 2                     |
| 1 - 2                        | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 8              | 8.5            | 0.0                    | 0.4            | 9.8                         | 0.0                    | 0.0                       | 8                | 0.0                    | 0.0                    | 0                     |
| 2 - 4                        | 3              | 2.9            | 0.0                    | 0.2            | 2.2                       | 0.0                    | 0.0                         | 14             | 14.9           | 0.1                    | 1.2            | 15.8                        | 0.0                    | 0.0                       | 17               | 0.0                    | 0.1                    | 0                     |
| 4 - 6                        | 5              | 4.8            | 0.0                    | 0.9            | 5.2                       | 0.0                    | 0.4                         | 5              | 5.3            | 0.1                    | 0.8            | 29.6                        | 0.0                    | 0.0                       | 10               | 0.0                    | 0.1                    | 1                     |
| 6 - 8                        | 6              | 5.8            | 0.0                    | 1.3            | 6.8                       | 0.0                    | 0.0                         | 2              | 2.1            | 0.0                    | 0.3            | 29.5                        | 0.0                    | 1.7                       | 8                | 0.0                    | 0.0                    | 4                     |
| 8 - 10                       | 3              | 2.9            | 0.0                    | 0.9            | 8.8                       | 0.0                    | 1.9                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 3                | 0.0                    | 0.0                    | 2                     |
| <b>Subtotal &lt;=10</b>      | <b>22</b>      | <b>21.2</b>    | <b>0.0</b>             | <b>3.5</b>     | <b>4.6</b>                | <b>0.0</b>             | <b>0.4</b>                  | <b>46</b>      | <b>48.9</b>    | <b>0.2</b>             | <b>3.0</b>     | <b>12.5</b>                 | <b>0.0</b>             | <b>0.1</b>                | <b>68</b>        | <b>0.0</b>             | <b>0.2</b>             | <b>9</b>              |
| 10 - 12                      | 9              | 8.7            | 0.0                    | 3.4            | 10.7                      | 0.0                    | 2.5                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 9                | 0.0                    | 0.0                    | 4                     |
| 12 - 15                      | 7              | 6.7            | 0.0                    | 3.2            | 12.9                      | 0.0                    | 4.2                         | 1              | 1.1            | 0.0                    | 0.4            | 76.5                        | 0.0                    | 0.0                       | 8                | 0.0                    | 0.0                    | 7                     |
| <b>Subtotal &lt;=15</b>      | <b>38</b>      | <b>36.5</b>    | <b>0.1</b>             | <b>10.0</b>    | <b>7.6</b>                | <b>0.0</b>             | <b>1.6</b>                  | <b>47</b>      | <b>50.0</b>    | <b>0.2</b>             | <b>3.4</b>     | <b>13.9</b>                 | <b>0.0</b>             | <b>0.1</b>                | <b>85</b>        | <b>0.1</b>             | <b>0.3</b>             | <b>20</b>             |
| 15 - 20                      | 11             | 10.6           | 0.1                    | 6.7            | 17.6                      | 0.0                    | 5.6                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 11               | 0.1                    | 0.0                    | 9                     |
| 20 - 25                      | 6              | 5.8            | 0.0                    | 3.8            | 20.1                      | 0.0                    | 12.9                        | 1              | 1.1            | 0.0                    | 0.4            | 79.1                        | 0.0                    | 10.0                      | 7                | 0.0                    | 0.1                    | 7                     |
| 25 - 30                      | 12             | 11.5           | 0.1                    | 11.0           | 26.0                      | 0.1                    | 13.0                        | 2              | 2.1            | 0.1                    | 1.3            | 123.5                       | 0.0                    | 7.9                       | 14               | 0.1                    | 0.1                    | 11                    |
| 30 - 40                      | 13             | 12.5           | 0.2                    | 15.1           | 32.8                      | 0.0                    | 7.6                         | 1              | 1.1            | 0.1                    | 0.9            | 167.4                       | 0.0                    | 5.4                       | 14               | 0.2                    | 0.1                    | 14                    |
| 40 - 50                      | 8              | 7.7            | 0.1                    | 12.4           | 43.3                      | 0.0                    | 12.2                        | 5              | 5.3            | 0.4                    | 5.4            | 205.5                       | 0.0                    | 10.7                      | 13               | 0.1                    | 0.4                    | 13                    |
| 50 - 100                     | 13             | 12.5           | 0.3                    | 29.0           | 62.4                      | 0.1                    | 27.1                        | 23             | 24.5           | 3.0                    | 43.0           | 359.1                       | 0.1                    | 15.7                      | 36               | 0.4                    | 3.1                    | 34                    |
| <b>Subtotal &lt;=100</b>     | <b>101</b>     | <b>97.1</b>    | <b>0.9</b>             | <b>87.8</b>    | <b>25.0</b>               | <b>0.3</b>             | <b>9.0</b>                  | <b>79</b>      | <b>84.0</b>    | <b>3.8</b>             | <b>54.4</b>    | <b>132.2</b>                | <b>0.2</b>             | <b>5.7</b>                | <b>180</b>       | <b>1.1</b>             | <b>4.1</b>             | <b>108</b>            |
| 100 - 200                    | 3              | 2.9            | 0.1                    | 12.2           | 113.7                     | 0.0                    | 26.6                        | 15             | 16.0           | 3.2                    | 45.7           | 597.5                       | 0.1                    | 22.0                      | 18               | 0.2                    | 3.2                    | 18                    |
| 200 - 400                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>104</b>     | <b>100.0</b>   | <b>1.0</b>             | <b>100.0</b>   | <b>27.7</b>               | <b>0.4</b>             | <b>9.5</b>                  | <b>94</b>      | <b>100.0</b>   | <b>7.0</b>             | <b>100.0</b>   | <b>205.1</b>                | <b>0.3</b>             | <b>8.3</b>                | <b>198</b>       | <b>1.3</b>             | <b>7.4</b>             | <b>126</b>            |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

**Table B46. Tennessee oil and gas well summary statistics, 2016**

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 731            | 79.6           | 0.1                    | 37.3           | 0.4                       | 0.0                    | 0.0                         | 553            | 58.5           | 0.5                    | 13.2           | 2.3                         | 0.0                    | 0.0                       | 1,284            | 0.1                    | 0.5                    | 1                     |
| 1 - 2                        | 128            | 13.9           | 0.1                    | 24.8           | 1.4                       | 0.0                    | 0.2                         | 168            | 17.8           | 0.4                    | 12.4           | 7.9                         | 0.0                    | 0.1                       | 296              | 0.1                    | 0.5                    | 5                     |
| 2 - 4                        | 37             | 4.0            | 0.0                    | 11.6           | 2.5                       | 0.0                    | 0.9                         | 113            | 12.0           | 0.6                    | 16.2           | 15.7                        | 0.0                    | 0.2                       | 150              | 0.0                    | 0.6                    | 9                     |
| 4 - 6                        | 11             | 1.2            | 0.0                    | 8.1            | 5.0                       | 0.0                    | 0.0                         | 44             | 4.7            | 0.4                    | 12.0           | 29.6                        | 0.0                    | 0.1                       | 55               | 0.0                    | 0.4                    | 5                     |
| 6 - 8                        | 4              | 0.4            | 0.0                    | 4.4            | 7.1                       | 0.0                    | 0.9                         | 23             | 2.4            | 0.3                    | 9.3            | 42.2                        | 0.0                    | 0.0                       | 27               | 0.0                    | 0.3                    | 4                     |
| 8 - 10                       | 2              | 0.2            | 0.0                    | 1.5            | 8.8                       | 0.0                    | 0.0                         | 6              | 0.6            | 0.1                    | 2.6            | 49.3                        | 0.0                    | 0.6                       | 8                | 0.0                    | 0.1                    | 0                     |
| <b>Subtotal &lt;=10</b>      | <b>913</b>     | <b>99.5</b>    | <b>0.2</b>             | <b>87.6</b>    | <b>0.7</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>907</b>     | <b>95.9</b>    | <b>2.3</b>             | <b>65.6</b>    | <b>7.4</b>                  | <b>0.0</b>             | <b>0.0</b>                | <b>1,820</b>     | <b>0.2</b>             | <b>2.4</b>             | <b>24</b>             |
| 10 - 12                      | 2              | 0.2            | 0.0                    | 2.4            | 11.1                      | 0.0                    | 0.0                         | 10             | 1.1            | 0.2                    | 5.9            | 63.6                        | 0.0                    | 0.0                       | 12               | 0.0                    | 0.2                    | 2                     |
| 12 - 15                      | 1              | 0.1            | 0.0                    | 1.9            | 12.6                      | 0.0                    | 0.0                         | 9              | 1.0            | 0.2                    | 4.7            | 79.9                        | 0.0                    | 0.0                       | 10               | 0.0                    | 0.2                    | 2                     |
| <b>Subtotal &lt;=15</b>      | <b>916</b>     | <b>99.8</b>    | <b>0.2</b>             | <b>92.0</b>    | <b>0.7</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>926</b>     | <b>97.9</b>    | <b>2.7</b>             | <b>76.2</b>    | <b>8.4</b>                  | <b>0.0</b>             | <b>0.1</b>                | <b>1,842</b>     | <b>0.2</b>             | <b>2.7</b>             | <b>28</b>             |
| 15 - 20                      | 1              | 0.1            | 0.0                    | 2.6            | 17.0                      | 0.0                    | 0.0                         | 7              | 0.7            | 0.2                    | 6.7            | 103.6                       | 0.0                    | 0.0                       | 8                | 0.0                    | 0.2                    | 0                     |
| 20 - 25                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 3              | 0.3            | 0.1                    | 3.8            | 142.7                       | 0.0                    | 0.0                       | 3                | 0.0                    | 0.1                    | 0                     |
| 25 - 30                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.1            | 0.0                    | 0.1            | 161.2                       | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 30 - 40                      | 1              | 0.1            | 0.0                    | 5.4            | 35.1                      | 0.0                    | 0.0                         | 4              | 0.4            | 0.3                    | 7.2            | 190.0                       | 0.0                    | 0.0                       | 5                | 0.0                    | 0.3                    | 0                     |
| 40 - 50                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 50 - 100                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.1            | 0.1                    | 1.7            | 498.2                       | 0.0                    | 0.0                       | 1                | 0.0                    | 0.1                    | 1                     |
| <b>Subtotal &lt;=100</b>     | <b>918</b>     | <b>100.0</b>   | <b>0.2</b>             | <b>100.0</b>   | <b>0.8</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>942</b>     | <b>99.6</b>    | <b>3.4</b>             | <b>95.6</b>    | <b>10.4</b>                 | <b>0.0</b>             | <b>0.1</b>                | <b>1,860</b>     | <b>0.3</b>             | <b>3.4</b>             | <b>29</b>             |
| 100 - 200                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 3              | 0.3            | 0.1                    | 3.2            | 755.8                       | 0.0                    | 0.0                       | 3                | 0.0                    | 0.1                    | 0                     |
| 200 - 400                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1              | 0.1            | 0.0                    | 1.2            | 1,358.2                     | 0.0                    | 0.0                       | 1                | 0.0                    | 0.0                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>918</b>     | <b>100.0</b>   | <b>0.2</b>             | <b>100.0</b>   | <b>0.8</b>                | <b>0.0</b>             | <b>0.1</b>                  | <b>946</b>     | <b>100.0</b>   | <b>3.6</b>             | <b>100.0</b>   | <b>10.9</b>                 | <b>0.0</b>             | <b>0.1</b>                | <b>1,864</b>     | <b>0.3</b>             | <b>3.6</b>             | <b>29</b>             |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B47. Texas oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 63,041         | 36.5           | 6.6                    | 0.6            | 0.3                       | 2.3                    | 0.1                         | 22,627         | 17.0           | 16.6                   | 0.3            | 2.3                         | 0.3                    | 0.0                       | 85,668           | 6.9                    | 18.9                   | 1,858                 |
| 1 - 2                        | 19,373         | 11.2           | 9.0                    | 0.8            | 1.3                       | 4.8                    | 0.7                         | 12,347         | 9.3            | 34.5                   | 0.6            | 8.2                         | 0.5                    | 0.1                       | 31,720           | 9.5                    | 39.4                   | 910                   |
| 2 - 4                        | 21,101         | 12.2           | 19.2                   | 1.8            | 2.6                       | 14.1                   | 1.9                         | 16,901         | 12.7           | 92.9                   | 1.5            | 15.9                        | 1.5                    | 0.3                       | 38,002           | 20.7                   | 107.0                  | 1,653                 |
| 4 - 6                        | 12,534         | 7.3            | 19.1                   | 1.8            | 4.3                       | 16.9                   | 3.8                         | 10,755         | 8.1            | 99.2                   | 1.6            | 26.8                        | 1.8                    | 0.5                       | 23,289           | 20.9                   | 116.0                  | 1,433                 |
| 6 - 8                        | 8,037          | 4.7            | 16.9                   | 1.5            | 5.9                       | 16.9                   | 5.9                         | 8,078          | 6.1            | 104.0                  | 1.7            | 37.6                        | 1.9                    | 0.7                       | 16,115           | 18.8                   | 120.9                  | 1,347                 |
| 8 - 10                       | 5,790          | 3.4            | 15.6                   | 1.4            | 7.6                       | 16.3                   | 8.0                         | 6,472          | 4.9            | 107.5                  | 1.8            | 48.6                        | 1.9                    | 0.9                       | 12,262           | 17.5                   | 123.8                  | 1,281                 |
| <b>Subtotal &lt;=10</b>      | <b>129,876</b> | <b>75.1</b>    | <b>86.5</b>            | <b>7.9</b>     | <b>1.9</b>                | <b>71.3</b>            | <b>1.6</b>                  | <b>77,180</b>  | <b>58.1</b>    | <b>454.7</b>           | <b>7.4</b>     | <b>17.5</b>                 | <b>7.8</b>             | <b>0.3</b>                | <b>207,056</b>   | <b>94.3</b>            | <b>526.0</b>           | <b>8,482</b>          |
| 10 - 12                      | 4,344          | 2.5            | 14.2                   | 1.3            | 9.2                       | 16.2                   | 10.5                        | 5,365          | 4.0            | 109.9                  | 1.8            | 59.8                        | 1.9                    | 1.0                       | 9,709            | 16.0                   | 126.0                  | 1,339                 |
| 12 - 15                      | 4,764          | 2.8            | 18.8                   | 1.7            | 11.1                      | 23.0                   | 13.7                        | 6,405          | 4.8            | 160.8                  | 2.6            | 73.4                        | 2.6                    | 1.2                       | 11,169           | 21.4                   | 183.7                  | 1,902                 |
| <b>Subtotal &lt;=15</b>      | <b>138,984</b> | <b>80.4</b>    | <b>119.4</b>           | <b>10.9</b>    | <b>2.5</b>                | <b>110.5</b>           | <b>2.3</b>                  | <b>88,950</b>  | <b>66.9</b>    | <b>725.3</b>           | <b>11.8</b>    | <b>24.1</b>                 | <b>12.3</b>            | <b>0.4</b>                | <b>227,934</b>   | <b>131.7</b>           | <b>835.8</b>           | <b>11,723</b>         |
| 15 - 20                      | 5,419          | 3.1            | 27.3                   | 2.5            | 14.3                      | 34.8                   | 18.2                        | 7,967          | 6.0            | 257.6                  | 4.2            | 94.7                        | 4.3                    | 1.6                       | 13,386           | 31.6                   | 292.4                  | 3,321                 |
| 20 - 25                      | 3,537          | 2.0            | 22.7                   | 2.1            | 18.2                      | 31.2                   | 25.0                        | 5,782          | 4.4            | 240.2                  | 3.9            | 121.3                       | 4.2                    | 2.1                       | 9,319            | 26.9                   | 271.5                  | 3,337                 |
| 25 - 30                      | 2,557          | 1.5            | 20.1                   | 1.8            | 22.3                      | 27.8                   | 30.9                        | 4,167          | 3.1            | 211.9                  | 3.4            | 149.0                       | 3.6                    | 2.6                       | 6,724            | 23.7                   | 239.7                  | 3,106                 |
| 30 - 40                      | 3,806          | 2.2            | 37.3                   | 3.4            | 27.6                      | 57.1                   | 42.3                        | 5,841          | 4.4            | 374.0                  | 6.1            | 187.4                       | 6.7                    | 3.4                       | 9,647            | 44.0                   | 431.1                  | 5,563                 |
| 40 - 50                      | 2,618          | 1.5            | 32.6                   | 3.0            | 35.4                      | 52.2                   | 56.6                        | 4,089          | 3.1            | 334.6                  | 5.4            | 239.6                       | 6.6                    | 4.7                       | 6,707            | 39.3                   | 386.8                  | 4,569                 |
| 50 - 100                     | 6,187          | 3.6            | 116.9                  | 10.7           | 54.1                      | 204.9                  | 94.9                        | 8,954          | 6.7            | 1,098.1                | 17.9           | 361.5                       | 26.7                   | 8.8                       | 15,141           | 143.5                  | 1,303.0                | 11,881                |
| <b>Subtotal &lt;=100</b>     | <b>163,108</b> | <b>94.3</b>    | <b>376.3</b>           | <b>34.3</b>    | <b>6.7</b>                | <b>518.6</b>           | <b>9.2</b>                  | <b>125,750</b> | <b>94.6</b>    | <b>3,241.6</b>         | <b>52.7</b>    | <b>76.1</b>                 | <b>64.4</b>            | <b>1.5</b>                | <b>288,858</b>   | <b>440.7</b>           | <b>3,760.2</b>         | <b>43,500</b>         |
| 100 - 200                    | 3,631          | 2.1            | 127.9                  | 11.7           | 105.8                     | 250.4                  | 207.1                       | 4,284          | 3.2            | 934.5                  | 15.2           | 682.2                       | 31.1                   | 22.7                      | 7,915            | 159.0                  | 1,184.9                | 6,464                 |
| 200 - 400                    | 2,659          | 1.5            | 169.6                  | 15.5           | 216.6                     | 319.5                  | 408.0                       | 1,658          | 1.3            | 696.7                  | 11.3           | 1,332.2                     | 26.5                   | 50.6                      | 4,317            | 196.1                  | 1,016.2                | 3,790                 |
| 400 - 800                    | 2,419          | 1.4            | 249.9                  | 22.8           | 427.6                     | 449.6                  | 769.4                       | 717            | 0.5            | 533.5                  | 8.7            | 2,632.6                     | 22.3                   | 110.1                     | 3,136            | 272.2                  | 983.0                  | 2,954                 |
| 800 - 1,600                  | 1,005          | 0.6            | 143.3                  | 13.1           | 772.9                     | 296.3                  | 1,598.0                     | 381            | 0.3            | 457.8                  | 7.4            | 5,294.8                     | 18.9                   | 218.8                     | 1,386            | 162.2                  | 754.1                  | 1,320                 |
| 1,600 - 3,200                | 130            | 0.1            | 25.7                   | 2.3            | 1,469.2                   | 50.8                   | 2,907.2                     | 121            | 0.1            | 234.1                  | 3.8            | 10,204.6                    | 7.5                    | 329.1                     | 251              | 33.2                   | 284.9                  | 240                   |
| 3,200 - 6,400                | 7              | 0.0            | 4.0                    | 0.4            | 2,781.1                   | 9.0                    | 6,242.9                     | 12             | 0.0            | 32.9                   | 0.5            | 21,739.4                    | 0.3                    | 169.3                     | 19               | 4.2                    | 41.8                   | 18                    |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 13             | 0.0            | 20.4                   | 0.3            | 52,026.0                    | 0.0                    | 0.0                       | 13               | 0.0                    | 20.4                   | 13                    |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>172,959</b> | <b>100.0</b>   | <b>1,096.8</b>         | <b>100.0</b>   | <b>18.5</b>               | <b>1,894.2</b>         | <b>32.0</b>                 | <b>132,936</b> | <b>100.0</b>   | <b>6,151.5</b>         | <b>100.0</b>   | <b>137.2</b>                | <b>171.0</b>           | <b>3.8</b>                | <b>305,895</b>   | <b>1,267.7</b>         | <b>8,045.7</b>         | <b>58,299</b>         |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.



Table B48. Utah oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 202            | 4.7            | 0.0                    | 0.1            | 0.3                       | 0.0                    | 0.2                         | 379            | 4.6            | 0.3                    | 0.1            | 2.5                         | 0.0                    | 0.0                       | 581              | 0.0                    | 0.3                    | 6                     |
| 1 - 2                        | 128            | 3.0            | 0.1                    | 0.2            | 1.3                       | 0.0                    | 1.2                         | 343            | 4.2            | 1.0                    | 0.4            | 8.9                         | 0.0                    | 0.1                       | 471              | 0.1                    | 1.0                    | 7                     |
| 2 - 4                        | 382            | 8.9            | 0.3                    | 1.0            | 2.6                       | 0.4                    | 3.1                         | 817            | 9.9            | 4.6                    | 1.7            | 17.0                        | 0.1                    | 0.2                       | 1,199            | 0.4                    | 5.0                    | 2                     |
| 4 - 6                        | 457            | 10.7           | 0.7                    | 2.1            | 4.1                       | 0.8                    | 4.9                         | 766            | 9.3            | 7.1                    | 2.6            | 27.2                        | 0.1                    | 0.4                       | 1,223            | 0.8                    | 7.8                    | 11                    |
| 6 - 8                        | 477            | 11.1           | 1.0                    | 3.2            | 5.8                       | 1.2                    | 7.1                         | 678            | 8.2            | 8.6                    | 3.2            | 37.8                        | 0.1                    | 0.6                       | 1,155            | 1.1                    | 9.9                    | 11                    |
| 8 - 10                       | 390            | 9.1            | 1.0                    | 3.4            | 7.5                       | 1.2                    | 8.7                         | 612            | 7.4            | 10.2                   | 3.7            | 49.4                        | 0.2                    | 0.7                       | 1,002            | 1.2                    | 11.4                   | 6                     |
| <b>Subtotal &lt;=10</b>      | <b>2,036</b>   | <b>47.5</b>    | <b>3.1</b>             | <b>9.9</b>     | <b>4.5</b>                | <b>3.6</b>             | <b>5.3</b>                  | <b>3,595</b>   | <b>43.5</b>    | <b>31.8</b>            | <b>11.6</b>    | <b>26.8</b>                 | <b>0.5</b>             | <b>0.4</b>                | <b>5,631</b>     | <b>3.6</b>             | <b>35.5</b>            | <b>43</b>             |
| 10 - 12                      | 337            | 7.9            | 1.1                    | 3.4            | 9.1                       | 1.3                    | 11.4                        | 596            | 7.2            | 12.1                   | 4.4            | 60.4                        | 0.2                    | 0.9                       | 933              | 1.3                    | 13.4                   | 9                     |
| 12 - 15                      | 347            | 8.1            | 1.4                    | 4.4            | 11.1                      | 1.7                    | 13.4                        | 726            | 8.8            | 18.6                   | 6.8            | 75.4                        | 0.2                    | 0.9                       | 1,073            | 1.6                    | 20.3                   | 6                     |
| <b>Subtotal &lt;=15</b>      | <b>2,720</b>   | <b>63.4</b>    | <b>5.5</b>             | <b>17.7</b>    | <b>6.0</b>                | <b>6.6</b>             | <b>7.2</b>                  | <b>4,917</b>   | <b>59.5</b>    | <b>62.5</b>            | <b>22.8</b>    | <b>38.3</b>                 | <b>0.9</b>             | <b>0.5</b>                | <b>7,637</b>     | <b>6.4</b>             | <b>69.2</b>            | <b>58</b>             |
| 15 - 20                      | 401            | 9.4            | 2.0                    | 6.6            | 14.3                      | 2.6                    | 18.3                        | 1,040          | 12.6           | 35.0                   | 12.8           | 99.2                        | 0.3                    | 0.9                       | 1,441            | 2.4                    | 37.6                   | 8                     |
| 20 - 25                      | 252            | 5.9            | 1.6                    | 5.2            | 18.1                      | 2.3                    | 25.9                        | 667            | 8.1            | 29.4                   | 10.7           | 128.9                       | 0.2                    | 0.9                       | 919              | 1.8                    | 31.7                   | 8                     |
| 25 - 30                      | 139            | 3.2            | 1.1                    | 3.4            | 21.4                      | 1.7                    | 35.1                        | 470            | 5.7            | 25.3                   | 9.2            | 157.0                       | 0.2                    | 1.1                       | 609              | 1.2                    | 27.0                   | 12                    |
| 30 - 40                      | 170            | 4.0            | 1.7                    | 5.4            | 28.0                      | 2.5                    | 41.4                        | 498            | 6.0            | 33.7                   | 12.3           | 198.1                       | 0.3                    | 1.5                       | 668              | 1.9                    | 36.1                   | 10                    |
| 40 - 50                      | 114            | 2.7            | 1.4                    | 4.4            | 35.6                      | 2.1                    | 54.9                        | 244            | 3.0            | 20.9                   | 7.6            | 254.3                       | 0.2                    | 2.3                       | 358              | 1.6                    | 23.0                   | 8                     |
| 50 - 100                     | 273            | 6.4            | 5.1                    | 16.4           | 56.4                      | 8.2                    | 90.1                        | 296            | 3.6            | 36.1                   | 13.2           | 371.0                       | 0.4                    | 3.7                       | 569              | 5.5                    | 44.3                   | 20                    |
| <b>Subtotal &lt;=100</b>     | <b>4,069</b>   | <b>94.9</b>    | <b>18.4</b>            | <b>59.0</b>    | <b>13.2</b>               | <b>26.1</b>            | <b>18.6</b>                 | <b>8,132</b>   | <b>98.5</b>    | <b>242.9</b>           | <b>88.6</b>    | <b>89.1</b>                 | <b>2.4</b>             | <b>0.9</b>                | <b>12,201</b>    | <b>20.8</b>            | <b>268.9</b>           | <b>124</b>            |
| 100 - 200                    | 122            | 2.8            | 3.9                    | 12.7           | 107.6                     | 6.4                    | 173.8                       | 81             | 1.0            | 15.6                   | 5.7            | 693.5                       | 0.4                    | 16.9                      | 203              | 4.3                    | 22.0                   | 15                    |
| 200 - 400                    | 50             | 1.2            | 2.9                    | 9.2            | 223.8                     | 3.9                    | 307.2                       | 35             | 0.4            | 8.9                    | 3.3            | 1,390.2                     | 0.2                    | 25.4                      | 85               | 3.0                    | 12.9                   | 15                    |
| 400 - 800                    | 37             | 0.9            | 3.9                    | 12.6           | 488.8                     | 3.2                    | 396.0                       | 8              | 0.1            | 5.2                    | 1.9            | 2,651.7                     | 0.2                    | 91.1                      | 45               | 4.1                    | 8.3                    | 22                    |
| 800 - 1,600                  | 12             | 0.3            | 2.0                    | 6.5            | 873.7                     | 1.5                    | 648.7                       | 2              | 0.0            | 1.5                    | 0.6            | 3,901.0                     | 0.2                    | 471.1                     | 14               | 2.2                    | 3.1                    | 8                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>4,290</b>   | <b>100.0</b>   | <b>31.2</b>            | <b>100.0</b>   | <b>21.4</b>               | <b>41.1</b>            | <b>28.2</b>                 | <b>8,258</b>   | <b>100.0</b>   | <b>274.1</b>           | <b>100.0</b>   | <b>99.5</b>                 | <b>3.3</b>             | <b>1.2</b>                | <b>12,548</b>    | <b>34.5</b>            | <b>315.2</b>           | <b>184</b>            |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B49. Virginia oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMb | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 4              | 80.0           | 0.0                  | 46.9           | 0.4                       | 0.0                    | 0.0                         | 560            | 6.8            | 0.6                    | 0.5            | 3.2                         | 0.0                    | 0.0                       | 564              | 0.0                    | 0.6                    | 3                     |
| 1 - 2                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 890            | 10.8           | 2.7                    | 2.4            | 9.1                         | 0.0                    | 0.0                       | 890              | 0.0                    | 2.7                    | 2                     |
| 2 - 4                        | 1              | 20.0           | 0.0                  | 53.1           | 2.5                       | 0.0                    | 0.0                         | 2,050          | 24.8           | 13.0                   | 11.2           | 17.9                        | 0.0                    | 0.0                       | 2,051            | 0.0                    | 13.0                   | 8                     |
| 4 - 6                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 1,464          | 17.7           | 15.6                   | 13.5           | 29.7                        | 0.0                    | 0.0                       | 1,464            | 0.0                    | 15.6                   | 21                    |
| 6 - 8                        | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 970            | 11.8           | 14.5                   | 12.5           | 41.4                        | 0.0                    | 0.0                       | 970              | 0.0                    | 14.5                   | 18                    |
| 8 - 10                       | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 701            | 8.5            | 13.5                   | 11.7           | 53.5                        | 0.0                    | 0.0                       | 701              | 0.0                    | 13.5                   | 20                    |
| <b>Subtotal &lt;=10</b>      | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>0.8</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>6,635</b>   | <b>80.4</b>    | <b>59.9</b>            | <b>51.9</b>    | <b>25.7</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>6,640</b>     | <b>0.0</b>             | <b>59.9</b>            | <b>72</b>             |
| 10 - 12                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 552            | 6.7            | 13.1                   | 11.3           | 65.9                        | 0.0                    | 0.0                       | 552              | 0.0                    | 13.1                   | 14                    |
| 12 - 15                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 489            | 5.9            | 14.0                   | 12.1           | 80.1                        | 0.0                    | 0.0                       | 489              | 0.0                    | 14.0                   | 14                    |
| <b>Subtotal &lt;=15</b>      | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>0.8</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>7,676</b>   | <b>93.0</b>    | <b>86.9</b>            | <b>75.3</b>    | <b>32.2</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>7,681</b>     | <b>0.0</b>             | <b>86.9</b>            | <b>100</b>            |
| 15 - 20                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 338            | 4.1            | 12.2                   | 10.6           | 102.2                       | 0.0                    | 0.0                       | 338              | 0.0                    | 12.2                   | 9                     |
| 20 - 25                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 100            | 1.2            | 4.6                    | 4.0            | 132.6                       | 0.0                    | 0.0                       | 100              | 0.0                    | 4.6                    | 5                     |
| 25 - 30                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 53             | 0.6            | 2.9                    | 2.6            | 162.6                       | 0.0                    | 0.0                       | 53               | 0.0                    | 2.9                    | 4                     |
| 30 - 40                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 31             | 0.4            | 1.9                    | 1.7            | 201.4                       | 0.0                    | 0.0                       | 31               | 0.0                    | 1.9                    | 1                     |
| 40 - 50                      | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 12             | 0.2            | 0.8                    | 0.7            | 269.5                       | 0.0                    | 0.0                       | 12               | 0.0                    | 0.8                    | 0                     |
| 50 - 100                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 27             | 0.3            | 2.8                    | 2.4            | 411.6                       | 0.0                    | 0.0                       | 27               | 0.0                    | 2.8                    | 0                     |
| <b>Subtotal &lt;=100</b>     | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>0.8</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>8,237</b>   | <b>99.8</b>    | <b>112.1</b>           | <b>97.1</b>    | <b>38.8</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>8,242</b>     | <b>0.0</b>             | <b>112.1</b>           | <b>119</b>            |
| 100 - 200                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 15             | 0.2            | 1.9                    | 1.7            | 730.6                       | 0.0                    | 0.0                       | 15               | 0.0                    | 1.9                    | 0                     |
| 200 - 400                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 3              | 0.0            | 1.4                    | 1.2            | 1,529.6                     | 0.0                    | 0.0                       | 3                | 0.0                    | 1.4                    | 0                     |
| 400 - 800                    | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 800 - 1,600                  | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 1,600 - 3,200                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>5</b>       | <b>100.0</b>   | <b>0.0</b>           | <b>100.0</b>   | <b>0.8</b>                | <b>0.0</b>             | <b>0.0</b>                  | <b>8,255</b>   | <b>100.0</b>   | <b>115.5</b>           | <b>100.0</b>   | <b>39.9</b>                 | <b>0.0</b>             | <b>0.0</b>                | <b>8,260</b>     | <b>0.0</b>             | <b>115.5</b>           | <b>119</b>            |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B50. West Virginia oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                        |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|------------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. (MMb) | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 2,819          | 82.6           | 0.2                    | 15.7           | 0.3                       | 0.3                    | 0.4                         | 29,176         | 55.6           | 22.2                   | 1.5            | 2.2                         | 0.1                    | 0.0                       | 31,995           | 0.3                    | 22.5                   | 68                    |
| 1 - 2                        | 312            | 9.1            | 0.1                    | 6.2            | 1.1                       | 0.2                    | 1.7                         | 10,190         | 19.4           | 29.8                   | 2.0            | 8.5                         | 0.1                    | 0.0                       | 10,502           | 0.2                    | 30.0                   | 75                    |
| 2 - 4                        | 165            | 4.8            | 0.1                    | 7.2            | 2.3                       | 0.1                    | 2.9                         | 6,904          | 13.2           | 38.7                   | 2.6            | 16.5                        | 0.1                    | 0.0                       | 7,069            | 0.2                    | 38.8                   | 117                   |
| 4 - 6                        | 57             | 1.7            | 0.1                    | 4.4            | 4.0                       | 0.1                    | 4.8                         | 2,111          | 4.0            | 20.0                   | 1.3            | 28.5                        | 0.0                    | 0.1                       | 2,168            | 0.1                    | 20.1                   | 105                   |
| 6 - 8                        | 20             | 0.6            | 0.0                    | 2.4            | 6.1                       | 0.0                    | 4.2                         | 871            | 1.7            | 11.3                   | 0.8            | 40.6                        | 0.0                    | 0.1                       | 891              | 0.1                    | 11.3                   | 84                    |
| 8 - 10                       | 8              | 0.2            | 0.0                    | 1.3            | 6.8                       | 0.0                    | 14.5                        | 391            | 0.7            | 6.7                    | 0.5            | 52.8                        | 0.0                    | 0.1                       | 399              | 0.0                    | 6.7                    | 51                    |
| <b>Subtotal &lt;=10</b>      | <b>3,381</b>   | <b>99.0</b>    | <b>0.6</b>             | <b>37.2</b>    | <b>0.6</b>                | <b>0.8</b>             | <b>0.8</b>                  | <b>49,643</b>  | <b>94.6</b>    | <b>128.7</b>           | <b>8.6</b>     | <b>7.6</b>                  | <b>0.3</b>             | <b>0.0</b>                | <b>53,024</b>    | <b>0.9</b>             | <b>129.5</b>           | <b>500</b>            |
| 10 - 12                      | 6              | 0.2            | 0.0                    | 0.8            | 7.7                       | 0.0                    | 16.2                        | 208            | 0.4            | 4.1                    | 0.3            | 65.0                        | 0.0                    | 0.1                       | 214              | 0.0                    | 4.1                    | 38                    |
| 12 - 15                      | 6              | 0.2            | 0.0                    | 0.9            | 13.1                      | 0.0                    | 1.3                         | 168            | 0.3            | 3.7                    | 0.2            | 79.3                        | 0.0                    | 0.1                       | 174              | 0.0                    | 3.7                    | 26                    |
| <b>Subtotal &lt;=15</b>      | <b>3,393</b>   | <b>99.4</b>    | <b>0.6</b>             | <b>38.9</b>    | <b>0.6</b>                | <b>0.8</b>             | <b>0.8</b>                  | <b>50,019</b>  | <b>95.3</b>    | <b>136.4</b>           | <b>9.1</b>     | <b>8.0</b>                  | <b>0.3</b>             | <b>0.0</b>                | <b>53,412</b>    | <b>0.9</b>             | <b>137.2</b>           | <b>564</b>            |
| 15 - 20                      | 2              | 0.1            | 0.0                    | 0.7            | 15.3                      | 0.0                    | 10.4                        | 129            | 0.3            | 3.3                    | 0.2            | 100.3                       | 0.0                    | 0.4                       | 131              | 0.0                    | 3.3                    | 24                    |
| 20 - 25                      | 5              | 0.2            | 0.0                    | 1.9            | 19.5                      | 0.0                    | 8.2                         | 71             | 0.1            | 2.3                    | 0.2            | 132.6                       | 0.0                    | 0.5                       | 76               | 0.0                    | 2.3                    | 18                    |
| 25 - 30                      | 1              | 0.0            | 0.0                    | 0.0            | 25.3                      | 0.0                    | 0.0                         | 47             | 0.1            | 1.5                    | 0.1            | 159.3                       | 0.0                    | 0.4                       | 48               | 0.0                    | 1.5                    | 10                    |
| 30 - 40                      | 1              | 0.0            | 0.0                    | 0.5            | 20.8                      | 0.0                    | 110.2                       | 38             | 0.1            | 2.0                    | 0.1            | 202.1                       | 0.0                    | 1.2                       | 39               | 0.0                    | 2.1                    | 15                    |
| 40 - 50                      | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 41             | 0.1            | 3.3                    | 0.2            | 252.7                       | 0.0                    | 2.7                       | 41               | 0.0                    | 3.3                    | 27                    |
| 50 - 100                     | 3              | 0.1            | 0.0                    | 2.2            | 50.9                      | 0.0                    | 37.6                        | 299            | 0.6            | 45.4                   | 3.0            | 439.9                       | 0.3                    | 3.0                       | 302              | 0.3                    | 45.5                   | 279                   |
| <b>Subtotal &lt;=100</b>     | <b>3,405</b>   | <b>99.7</b>    | <b>0.7</b>             | <b>44.2</b>    | <b>0.7</b>                | <b>0.9</b>             | <b>0.9</b>                  | <b>50,644</b>  | <b>96.5</b>    | <b>194.4</b>           | <b>13.0</b>    | <b>11.2</b>                 | <b>0.7</b>             | <b>0.0</b>                | <b>54,049</b>    | <b>1.4</b>             | <b>195.3</b>           | <b>937</b>            |
| 100 - 200                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 564            | 1.1            | 170.5                  | 11.4           | 853.0                       | 0.9                    | 4.6                       | 564              | 0.9                    | 170.5                  | 562                   |
| 200 - 400                    | 1              | 0.0            | 0.0                    | 0.3            | 164.0                     | 0.0                    | 834.1                       | 689            | 1.3            | 393.6                  | 26.2           | 1,641.9                     | 2.3                    | 9.8                       | 690              | 2.3                    | 393.7                  | 690                   |
| 400 - 800                    | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 344            | 0.7            | 340.9                  | 22.7           | 3,066.1                     | 3.1                    | 28.0                      | 344              | 3.1                    | 340.9                  | 344                   |
| 800 - 1,600                  | 6              | 0.2            | 0.6                    | 39.4           | 724.8                     | 3.4                    | 3,963.0                     | 185            | 0.4            | 266.6                  | 17.8           | 6,193.1                     | 3.3                    | 76.6                      | 191              | 3.9                    | 270.0                  | 191                   |
| 1,600 - 3,200                | 3              | 0.1            | 0.3                    | 16.1           | 918.6                     | 1.3                    | 4,567.5                     | 60             | 0.1            | 117.8                  | 7.9            | 11,320.9                    | 0.9                    | 90.1                      | 63               | 1.2                    | 119.1                  | 63                    |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 6              | 0.0            | 9.2                    | 0.6            | 30,079.4                    | 0.0                    | 0.0                       | 6                | 0.0                    | 9.2                    | 6                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 5              | 0.0            | 7.4                    | 0.5            | 48,668.9                    | 0.0                    | 0.0                       | 5                | 0.0                    | 7.4                    | 5                     |
| > 12,800                     | 0              | 0.0            | 0.0                    | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>3,415</b>   | <b>100.0</b>   | <b>1.6</b>             | <b>100.0</b>   | <b>1.5</b>                | <b>5.6</b>             | <b>5.4</b>                  | <b>52,497</b>  | <b>100.0</b>   | <b>1,500.5</b>         | <b>100.0</b>   | <b>83.9</b>                 | <b>11.3</b>            | <b>0.6</b>                | <b>55,912</b>    | <b>12.9</b>            | <b>1,506.0</b>         | <b>2,798</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMb = millions of barrels, b=barrels

Data available as of September 2018.

Table B51. Wyoming oil and gas well summary statistics, 2017

| Prod. rate bracket (BOE/day) | Oil wells      |                |                      |                | Natural Gas (Gas) wells   |                        |                             |                |                |                        |                |                             | Total wells            |                           |                  |                        |                        |                       |
|------------------------------|----------------|----------------|----------------------|----------------|---------------------------|------------------------|-----------------------------|----------------|----------------|------------------------|----------------|-----------------------------|------------------------|---------------------------|------------------|------------------------|------------------------|-----------------------|
|                              | # of oil wells | % of oil wells | Annual oil prod. MMB | % of oil prod. | Oil rate per well (b/day) | Annual gas prod. (Bcf) | Gas rate per well (Mcf/day) | # of gas wells | % of gas wells | Annual gas prod. (Bcf) | % of gas prod. | Gas rate per well (Mcf/day) | Annual oil prod. (MMb) | Oil rate per well (b/day) | # of total wells | Annual oil prod. (MMb) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1                        | 2,073          | 20.9           | 0.2                  | 0.4            | 0.4                       | 0.1                    | 0.1                         | 1,991          | 8.5            | 1.3                    | 0.1            | 2.1                         | 0.0                    | 0.0                       | 4,064            | 0.2                    | 1.3                    | 43                    |
| 1 - 2                        | 982            | 9.9            | 0.5                  | 0.8            | 1.4                       | 0.3                    | 0.8                         | 1,153          | 4.9            | 3.2                    | 0.2            | 8.4                         | 0.0                    | 0.1                       | 2,135            | 0.5                    | 3.5                    | 25                    |
| 2 - 4                        | 1,315          | 13.3           | 1.2                  | 2.0            | 2.6                       | 0.7                    | 1.6                         | 1,839          | 7.8            | 10.4                   | 0.6            | 16.7                        | 0.1                    | 0.2                       | 3,154            | 1.3                    | 11.1                   | 53                    |
| 4 - 6                        | 866            | 8.7            | 1.4                  | 2.3            | 4.6                       | 0.7                    | 2.3                         | 1,505          | 6.4            | 14.8                   | 0.9            | 28.6                        | 0.1                    | 0.2                       | 2,371            | 1.5                    | 15.5                   | 54                    |
| 6 - 8                        | 602            | 6.1            | 1.4                  | 2.4            | 6.6                       | 0.5                    | 2.1                         | 1,324          | 5.7            | 18.6                   | 1.1            | 40.3                        | 0.1                    | 0.3                       | 1,926            | 1.5                    | 19.1                   | 44                    |
| 8 - 10                       | 538            | 5.4            | 1.6                  | 2.8            | 8.5                       | 0.5                    | 2.6                         | 1,272          | 5.4            | 23.0                   | 1.3            | 52.0                        | 0.2                    | 0.3                       | 1,810            | 1.8                    | 23.5                   | 45                    |
| <b>Subtotal &lt;=10</b>      | <b>6,376</b>   | <b>64.3</b>    | <b>6.3</b>           | <b>10.7</b>    | <b>2.9</b>                | <b>2.7</b>             | <b>1.2</b>                  | <b>9,084</b>   | <b>38.8</b>    | <b>71.4</b>            | <b>4.1</b>     | <b>23.6</b>                 | <b>0.6</b>             | <b>0.2</b>                | <b>15,460</b>    | <b>6.8</b>             | <b>74.1</b>            | <b>264</b>            |
| 10 - 12                      | 378            | 3.8            | 1.4                  | 2.4            | 10.5                      | 0.4                    | 3.2                         | 1,250          | 5.3            | 27.7                   | 1.6            | 63.4                        | 0.2                    | 0.4                       | 1,628            | 1.6                    | 28.1                   | 44                    |
| 12 - 15                      | 474            | 4.8            | 2.1                  | 3.7            | 12.7                      | 0.7                    | 3.9                         | 1,570          | 6.7            | 43.0                   | 2.5            | 77.8                        | 0.3                    | 0.5                       | 2,044            | 2.4                    | 43.6                   | 69                    |
| <b>Subtotal &lt;=15</b>      | <b>7,228</b>   | <b>72.9</b>    | <b>9.8</b>           | <b>16.8</b>    | <b>4.0</b>                | <b>3.8</b>             | <b>1.5</b>                  | <b>11,904</b>  | <b>50.8</b>    | <b>142.0</b>           | <b>8.1</b>     | <b>35.4</b>                 | <b>1.0</b>             | <b>0.3</b>                | <b>19,132</b>    | <b>10.8</b>            | <b>145.8</b>           | <b>377</b>            |
| 15 - 20                      | 568            | 5.7            | 3.4                  | 5.7            | 16.6                      | 0.9                    | 4.4                         | 2,190          | 9.3            | 77.3                   | 4.4            | 100.0                       | 0.6                    | 0.8                       | 2,758            | 3.9                    | 78.2                   | 95                    |
| 20 - 25                      | 392            | 4.0            | 2.9                  | 5.0            | 21.0                      | 1.1                    | 8.1                         | 1,782          | 7.6            | 80.7                   | 4.6            | 128.1                       | 0.7                    | 1.0                       | 2,174            | 3.6                    | 81.8                   | 109                   |
| 25 - 30                      | 255            | 2.6            | 2.3                  | 3.9            | 25.2                      | 1.2                    | 13.0                        | 1,386          | 5.9            | 76.7                   | 4.4            | 155.9                       | 0.7                    | 1.4                       | 1,641            | 3.0                    | 77.9                   | 98                    |
| 30 - 40                      | 328            | 3.3            | 3.6                  | 6.1            | 31.5                      | 2.1                    | 18.7                        | 1,863          | 8.0            | 131.4                  | 7.5            | 198.0                       | 1.0                    | 1.6                       | 2,191            | 4.6                    | 133.6                  | 158                   |
| 40 - 50                      | 234            | 2.4            | 3.2                  | 5.5            | 40.3                      | 2.2                    | 27.2                        | 1,152          | 4.9            | 104.5                  | 6.0            | 254.0                       | 1.0                    | 2.3                       | 1,386            | 4.2                    | 106.7                  | 146                   |
| 50 - 100                     | 531            | 5.4            | 11.2                 | 19.1           | 60.5                      | 9.8                    | 53.0                        | 1,859          | 7.9            | 251.7                  | 14.4           | 382.1                       | 2.5                    | 3.8                       | 2,390            | 13.7                   | 261.5                  | 403                   |
| <b>Subtotal &lt;=100</b>     | <b>9,536</b>   | <b>96.1</b>    | <b>36.4</b>          | <b>62.2</b>    | <b>11.1</b>               | <b>21.1</b>            | <b>6.4</b>                  | <b>22,136</b>  | <b>94.4</b>    | <b>864.5</b>           | <b>49.6</b>    | <b>113.1</b>                | <b>7.4</b>             | <b>1.0</b>                | <b>31,672</b>    | <b>43.9</b>            | <b>885.6</b>           | <b>1,386</b>          |
| 100 - 200                    | 195            | 2.0            | 7.2                  | 12.2           | 110.4                     | 8.8                    | 135.7                       | 676            | 2.9            | 180.3                  | 10.3           | 772.0                       | 2.5                    | 10.9                      | 871              | 9.7                    | 189.1                  | 211                   |
| 200 - 400                    | 88             | 0.9            | 4.9                  | 8.4            | 215.1                     | 8.6                    | 375.6                       | 394            | 1.7            | 169.1                  | 9.7            | 1,492.1                     | 2.9                    | 25.3                      | 482              | 7.8                    | 177.7                  | 112                   |
| 400 - 800                    | 69             | 0.7            | 6.2                  | 10.6           | 435.4                     | 10.6                   | 741.8                       | 173            | 0.7            | 102.2                  | 5.9            | 2,855.8                     | 2.3                    | 63.3                      | 242              | 8.5                    | 112.8                  | 95                    |
| 800 - 1,600                  | 32             | 0.3            | 3.8                  | 6.4            | 719.0                     | 10.8                   | 2,065.0                     | 32             | 0.1            | 41.9                   | 2.4            | 5,803.9                     | 1.4                    | 191.3                     | 64               | 5.1                    | 52.7                   | 51                    |
| 1,600 - 3,200                | 2              | 0.0            | 0.1                  | 0.1            | 1,192.0                   | 0.2                    | 3,343.5                     | 9              | 0.0            | 32.4                   | 1.9            | 13,328.8                    | 0.4                    | 181.3                     | 11               | 0.5                    | 32.7                   | 10                    |
| 3,200 - 6,400                | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 14             | 0.1            | 143.9                  | 8.3            | 29,936.8                    | 0.1                    | 16.0                      | 14               | 0.1                    | 143.9                  | 3                     |
| 6,400 - 12,800               | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 10             | 0.0            | 209.7                  | 12.0           | 57,452.1                    | 0.0                    | 0.0                       | 10               | 0.0                    | 209.7                  | 0                     |
| > 12,800                     | 0              | 0.0            | 0.0                  | 0.0            | 0.0                       | 0.0                    | 0.0                         | 0              | 0.0            | 0.0                    | 0.0            | 0.0                         | 0.0                    | 0.0                       | 0                | 0.0                    | 0.0                    | 0                     |
| <b>Total</b>                 | <b>9,922</b>   | <b>100.0</b>   | <b>58.6</b>          | <b>100.0</b>   | <b>17.3</b>               | <b>60.1</b>            | <b>17.8</b>                 | <b>23,444</b>  | <b>100.0</b>   | <b>1,744.0</b>         | <b>100.0</b>   | <b>216.7</b>                | <b>17.0</b>            | <b>2.1</b>                | <b>33,366</b>    | <b>75.6</b>            | <b>1,804.1</b>         | <b>1,868</b>          |

Notes:

- 1) Source: State administrative oil and natural gas data thru DrillingInfo.
- 2) The total volumes shown in the distribution tables may not exactly agree with other related data, including other EIA sources. Major reasons for differences include: the timing of updates from state and commercial sources, the summed production of available well-level production data versus state-level aggregations of production, and how a well is defined and which entities are counted and summed.
- 3) Wells counted for this report include sidetracks, completions, re-completions, and leases, which includes all oil- and/or natural gas producing entities available in DrillingInfo database.
- 4) For late reporting states, the last year of available data are repeated for missing years (MD and TN 2016 data were used for 2017, KY 2013 used for 2014-17). All years are missing for IL and IN.
- 5) To be consistent between states, a GOR of 6,000 (cf/b) for each year's production was used to define oil versus natural gas wells. If the GOR was less (greater) than 6,000 (cf/b) the well was classified an oil (natural gas) well.
- 6) To determine production rate brackets for the first and last year of a wells life the annual production was divided by the number of days in the productive months. For other years the annual production was divided by 365 or 366 days.
- 7) Natural gas volumes have been converted from the various state pressure bases to the federal base (14.73 psia).
- 8) MMB = millions of barrels, b=barrels

Data available as of September 2018.