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

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## Introduction

Technological innovation in drilling and production has caused rapid growth in U.S. oil and natural gas production during the past few years. One way of developing deeper insight into this rapid growth 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 9.97 million barrels per day (b/d) in December 2017 and 12.04 million b/d in December 2018, and U.S. natural gas gross withdrawals reached 97.59 billion cubic feet per day (Bcf/d) in December 2017 and 108.56 Bcf/d in December 2018[1]. At the same time, the number of producing wells in the United States increased from 729,000 in 2000 to a high of 1,035,000 wells in 2014, then declined to 982,000 wells in 2018—mostly because of lower oil prices (Figure 1). Technological change is reflected in the increase in the share of horizontal wells during the past decade from 3% to 14% (2008–2018) (Figure 2). Most U.S. oil and natural gas production comes from wells that produce 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 about 80% from 2000 through 2018 (Figure 1).

This report provides yearly estimates of the number of producing oil and natural gas wells in the United States, which are grouped according to volume in one of 22 production volume brackets that range from less than 1 BOE/day to more than 12,800 BOE/day. EIA designates wells 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 we classify the well as an oil well. If the GOR is greater than 6,000 cf/b, we classify the well 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 state-level data

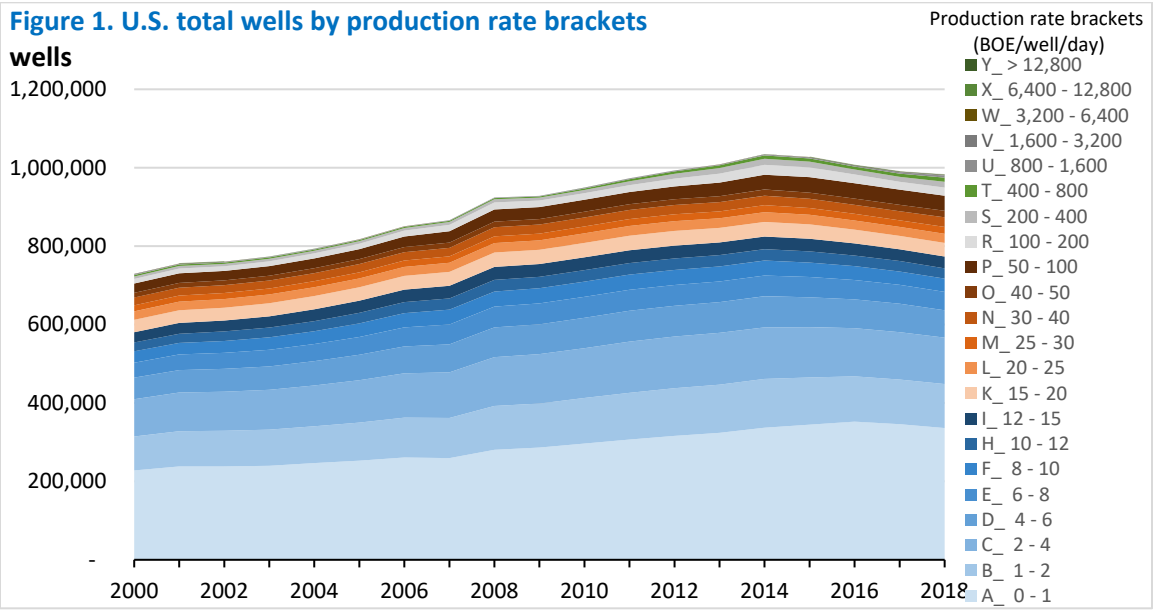
The distribution tables for the production rates of all U.S. oil and natural gas wells include the years 2000 through 2018. Appendix B provides summary breakouts for the total United States, each state, the Federal Gulf of Mexico, and the Federal Pacific. The Appendix C spreadsheet can be used to generate figures for all regions and for additional variables.

The quality and completeness of the available data we used to build the tables varies 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 Enverus 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—Arizona, Kentucky, Maryland, and Tennessee—we use the last year of reported

[1] Source: U.S. Energy Information Administration, *Monthly Crude Oil and Natural Gas Production*, October 31, 2019.

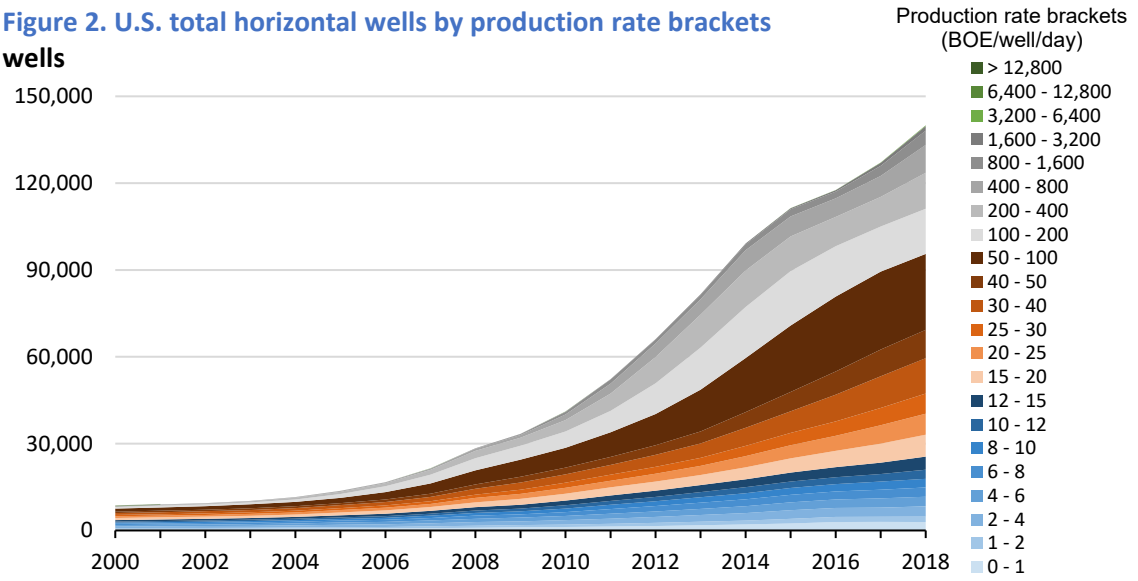
data to populate recent missing years to achieve the most complete U.S. total well counts. Data are not available for Illinois and Indiana.

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



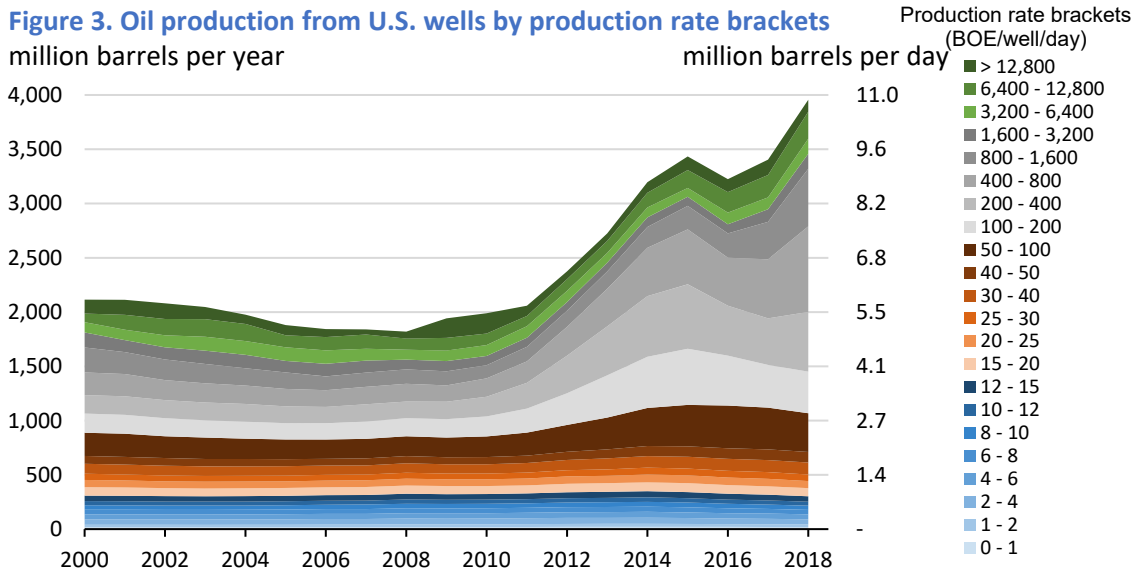

Source: U.S. Energy Information Administration. Note: BOE = barrel of oil equivalent.

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



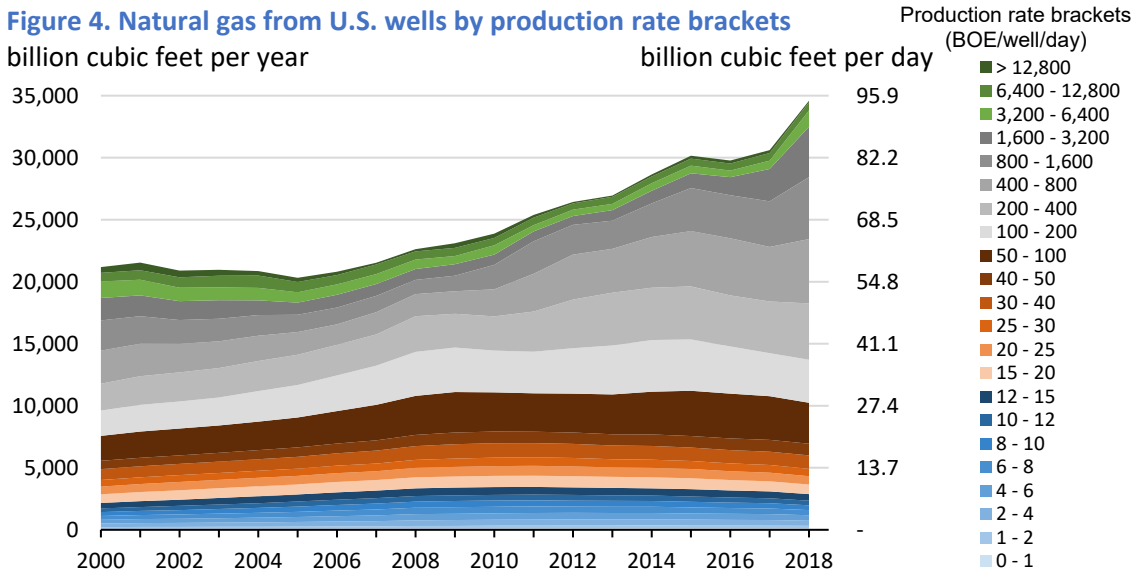

Source: U.S. Energy Information Administration. Note: BOE = barrel of oil equivalent

**Figure 3. Oil production from U.S. wells by production rate brackets**




Source: U.S Energy Information Administration. Note: BOE = barrel of oil equivalent.

**Figure 4. Natural gas from U.S. wells by production rate brackets**




Source: U.S. Energy Information Administration. Note: BOE = barrel of oil equivalent.

## 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

We included every producing *entity* in the Enverus Drillinginfo database in this report. When the number of wells on a lease is known, we distribute the total lease production equally 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 producers identified it, we removed reinjected and recycled natural gas from the gross natural gas volumes reported by states such as Alaska. For fields identified as having undergone or are undergoing natural gas injection, we reduced production levels by an equal share of the field-level injected natural gas the states reported. We did not include Injection wells in the counts unless they were producing wells at one time; in such cases, we included those wells for the years they were producing.

The pressure base producers use 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 (we assumed states used 60$^{o}$ Fahrenheit). Because states vary in how they define a well type (oil or gas), we used a gas-oil ratio of greater than 6,000 cf/b to designate a well as a natural gas well. We designated wells with less than or equal to 6,000 cf/b as oil wells.

Finally, we did not include wells that produce exclusively within carbon dioxide (CO2) 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 we assembled the report 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 *entities* we counted and summed

For example, we publish EIA's official oil and natural gas production volumes in the *Petroleum Supply Annual 2018* DOE/EIA-0340(17) and *Natural Gas Annual 2018*, DOE/EIA-0131(17), which we base on the Form EIA-914, *Monthly Production Report*. We based the production numbers in the tables and figures of this report on data reported in Enverus Drillinginfo.

## 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

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

In 2018, the average oil well produced 24.4 b/d, and the average natural gas well produced about 156,000 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 2018, about 79% of the more than 980,000 U.S. wells produced 15 or fewer BOE/day, and about 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 wells to slightly more than 980,000 wells in 2018—the total number of horizontally drilled wells has increased 29% from slightly less than 100,000 wells to nearly 140,000 wells. Oil and natural 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 Enverus Drillinginfo. EIA receives a monthly download from Enverus 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, and 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 to include 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 number of producing natural gas wells reported in our *Natural Gas Annual*) 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 as an 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 annual reporting. 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 barrels per day (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.

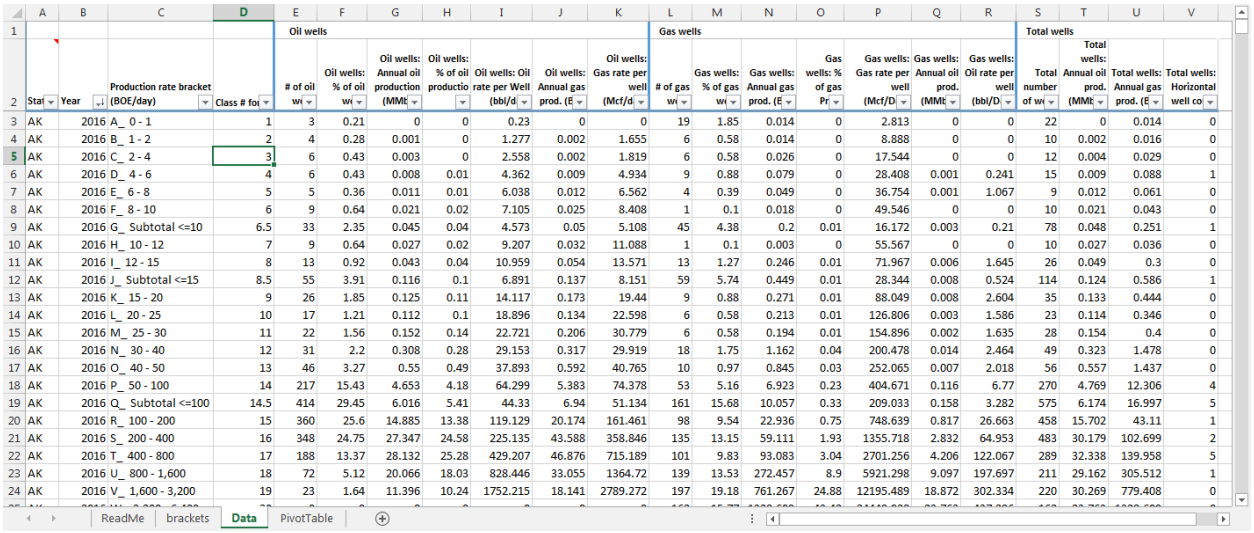
**Are any wells still drilled using only conventional drilling practices?**

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 2018 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



| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
| 2 | Stat | Year | Production rate bracket (BOE/day) | Class # for | # of oil wells | Oil wells: % of oil wells | Oil wells: Annual oil production (MMB | Oil wells: % of oil productio | Oil wells: Oil rate per Well (bbl/d | Oil wells: Annual gas prod. (E | Oil wells: Gas rate per well (Mcf/d | # of gas wells | Gas wells: % of gas wells | Gas wells: Annual gas prod. (E | Gas wells: % of gas Pr | Gas wells: Gas rate per well (Mcf/D | Gas wells: Annual oil prod. (MME | Gas wells: Oil rate per well (bbl/D | Total number of wells | Total wells: Annual oil prod. (MMB | Total wells: Annual gas prod. (E | Total wells: Horizontal well co |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | AK | 2016 | F_ 8 - 10 | 6 | 9 | 0.64 | 0.021 | 0.02 | 7.105 | 0.025 | 8.408 | 1 | 0.1 | 0.018 | 0 | 49.546 | 0 | 0 | 10 | 0.021 | 0.043 | 0 |
| 9 | 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 |
| 10 | AK | 2016 | H_ 10 - 12 | 7 | 9 | 0.64 | 0.027 | 0.02 | 9.207 | 0.032 | 11.088 | 1 | 0.1 | 0.003 | 0 | 55.567 | 0 | 0 | 10 | 0.027 | 0.036 | 0 |
| 11 | 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 |
| 12 | AK | 2016 | J_ Subtotal <=15 | 8.5 | 55 | 3.91 | 0.116 | 0.1 | 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 |
| 13 | 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 |
| 14 | AK | 2016 | L_ 20 - 25 | 10 | 17 | 1.21 | 0.112 | 0.1 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |

ReadMe | brackets | Data | PivotTable

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

| | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | Oil wells | | | |
| 2 | Stat | Year | Production rate bracket (BOE/day) | Class # for | # of oil wells | Oil wells: % of oil wells | Oil wells: Annual oil production (MMB | Oil wells: % of oil productio |
| 3 | AK | 2016 | A_ 0 - 1 | 1 | 3 | 0.21 | 0 | 0 |
| 4 | AK | 2016 | B_ 1 - 2 | 2 | 4 | 0.28 | 0.001 | 0 |
| 5 | AK | 2016 | C_ 2 - 4 | 3 | 6 | 0.43 | 0.003 | 0 |
| 6 | AK | 2016 | D_ 4 - 6 | 4 | 6 | 0.43 | 0.008 | 0.01 |
| 7 | AK | 2016 | E_ 6 - 8 | 5 | 5 | 0.36 | 0.011 | 0.01 |
| 8 | AK | 2016 | F_ 8 - 10 | 6 | 9 | 0.64 | 0.021 | 0.02 |
| 9 | AK | 2016 | G_ Subtotal <=10 | 6.5 | 33 | 2.35 | 0.045 | 0.04 |
| 10 | 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

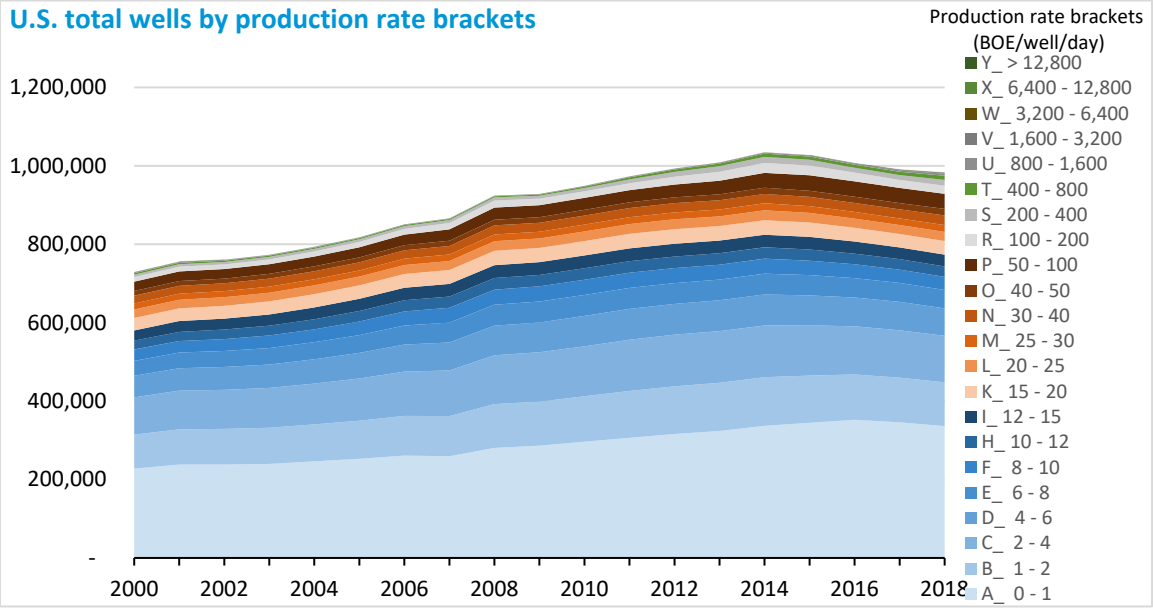
| | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 1 | | | | | Oil wells | |
| 2 | Stat | Year | Production rate bracket (BOE/day) | Class # for | # of oil wells | Oil wells: % of oil wells |
| 28 | AK | 2000 | Z_ Total | 23 | 2033 | 100 |
| 54 | AK | 2001 | Z_ Total | 23 | 2116 | 100 |
| 80 | AK | 2002 | Z_ Total | 23 | 2136 | 100 |
| 106 | AK | 2003 | Z_ Total | 23 | 2128 | 100 |
| 132 | AK | 2004 | Z_ Total | 23 | 2107 | 100 |
| 158 | AK | 2005 | Z_ Total | 23 | 2110 | 100 |
| 184 | AK | 2006 | Z_ Total | 23 | 2056 | 100 |
| 210 | AK | 2007 | Z_ Total | 23 | 2025 | 100 |
| 236 | AK | 2008 | Z_ Total | 23 | 2067 | 100 |
| 262 | AK | 2009 | Z_ Total | 23 | 2082 | 100 |

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

| | A | B | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | State | US | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | Sum of Total number of wells | Column Labels | | | | | | | | | | | | | | | | | |
| 4 | Row Labels | | | | | | | | | | | | | | | | | | |
| 5 | A_ 0 - 1 | | 232487 | 240765 | 241073 | 245430 | 250347 | 255935 | 263227 | 262070 | 283939 | 288472 | 298244 | 307899 | 318296 | 324052 | 336385 | 340621 | 32679 |
| 6 | B_ 1 - 2 | | 88211 | 91812 | 93555 | 93794 | 95931 | 98568 | 102987 | 104289 | 113674 | 113697 | 117134 | 120456 | 122678 | 123698 | 123013 | 120372 | 11198 |
| 7 | C_ 2 - 4 | | 96770 | 100757 | 101686 | 103782 | 105673 | 109513 | 114847 | 117618 | 125992 | 127297 | 128693 | 132252 | 133002 | 133362 | 130358 | 127563 | 12043 |
| 8 | D_ 4 - 6 | | 56305 | 58185 | 59497 | 60740 | 63097 | 65914 | 69529 | 72340 | 76474 | 76710 | 78125 | 79406 | 80101 | 79492 | 79264 | 76820 | 7335 |
| 9 | E_ 6 - 8 | | 38519 | 39967 | 40827 | 42664 | 43889 | 45612 | 48798 | 51008 | 53709 | 54236 | 54596 | 54638 | 54247 | 53793 | 53235 | 52257 | 4971 |
| 10 | F_ 8 - 10 | | 29499 | 29849 | 30879 | 32345 | 33206 | 35138 | 36668 | 38310 | 39103 | 39287 | 39414 | 39773 | 39057 | 38921 | 38880 | 37751 | 3625 |
| 11 | H_ 10 - 12 | | 22757 | 23483 | 24491 | 25208 | 26046 | 27556 | 28472 | 29203 | 30095 | 29499 | 29770 | 29525 | 30014 | 29762 | 29372 | 28932 | 2788 |
| 12 | I_ 12 - 15 | | 26836 | 28339 | 28224 | 29233 | 30483 | 31232 | 32320 | 32481 | 33211 | 33339 | 33315 | 33262 | 33268 | 33317 | 32781 | 33030 | 3217 |
| 13 | K_ 15 - 20 | | 32395 | 33043 | 33445 | 34032 | 34359 | 35095 | 35665 | 35990 | 37370 | 37050 | 37106 | 37583 | 37992 | 37807 | 38164 | 37635 | 3700 |
| 14 | L_ 20 - 25 | | 22000 | 22213 | 22402 | 22492 | 22616 | 22810 | 23379 | 23516 | 24540 | 24482 | 24740 | 25339 | 25460 | 25150 | 25859 | 25285 | 2512 |
| 15 | M_ 25 - 30 | | 15582 | 15476 | 15540 | 15577 | 15827 | 16059 | 16511 | 16580 | 17473 | 17400 | 17769 | 17859 | 18171 | 17901 | 18307 | 17968 | 1822 |
| 16 | N_ 30 - 40 | | 20141 | 20400 | 20083 | 20397 | 20717 | 20965 | 21459 | 22070 | 23207 | 23310 | 23326 | 23582 | 24010 | 24040 | 24344 | 24085 | 2497 |
| 17 | O_ 40 - 50 | | 12225 | 12457 | 12276 | 12461 | 12725 | 12804 | 13149 | 13733 | 14705 | 14402 | 14825 | 14718 | 14901 | 15105 | 16017 | 16052 | 1695 |
| 18 | P_ 50 - 100 | | 23885 | 24705 | 24445 | 24962 | 25435 | 25995 | 27375 | 29191 | 31428 | 30701 | 30872 | 31289 | 32638 | 34784 | 38265 | 40038 | 4241 |
| 19 | R_ 100 - 200 | | 11606 | 11980 | 11650 | 12193 | 13009 | 13802 | 14945 | 16344 | 18027 | 16745 | 16863 | 17685 | 19985 | 22700 | 24977 | 24867 | 2385 |
| 20 | S_ 200 - 400 | | 6027 | 6250 | 6159 | 6385 | 6552 | 6675 | 6788 | 7278 | 8057 | 7286 | 8094 | 9827 | 12386 | 14262 | 15298 | 14510 | 1285 |
| 21 | T_ 400 - 800 | | 3729 | 3646 | 3197 | 3076 | 2976 | 2747 | 2569 | 2830 | 2931 | 2841 | 3633 | 4940 | 5887 | 6580 | 8158 | 7956 | 734 |
| 22 | U_ 800 - 1,600 | | 1873 | 1695 | 1476 | 1428 | 1285 | 1104 | 1022 | 1062 | 1010 | 1058 | 1594 | 2015 | 1907 | 1959 | 2438 | 2854 | 278 |
| 23 | V_ 1,600 - 3,200 | | 677 | 589 | 544 | 542 | 466 | 390 | 409 | 382 | 351 | 380 | 374 | 365 | 330 | 403 | 505 | 503 | 89 |
| 24 | W_ 3,200 - 6,400 | | 234 | 237 | 217 | 209 | 206 | 181 | 184 | 171 | 147 | 134 | 146 | 125 | 125 | 122 | 135 | 132 | 30 |
| 25 | X_ 6,400 - 12,800 | | 72 | 90 | 105 | 110 | 111 | 82 | 86 | 98 | 75 | 84 | 66 | 61 | 61 | 70 | 80 | 91 | 12 |
| 26 | Y_ > 12,800 | | 34 | 44 | 40 | 33 | 26 | 27 | 19 | 12 | 18 | 39 | 42 | 22 | 18 | 15 | 23 | 29 | 2 |
| 27 | Z_ Total | | 741864 | 765982 | 771811 | 787093 | 804982 | 828204 | 860408 | 876576 | 935536 | 938449 | 958741 | 982621 | 1004534 | 1017295 | 1035858 | 1029351 | 99148 |

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



## Appendix A



## Appendix B

Oil and natural gas well summary statistics:



## 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 | 2019 |
|---|---|---|---|---|---|---|
| AK | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| AL | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| AR | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| AZ | Complete | Complete | Complete | Complete | *Not Reported* | *Incomplete* |
| CA | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| CO | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| FL | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| Federal Gulf | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| Federal Pacific | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| IL | ***NA*** | ***NA*** | ***NA*** | ***NA*** | *NA* | *NA* |
| IN | ***NA*** | ***NA*** | ***NA*** | ***NA*** | *NA* | *NA* |
| KS | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| KY | Complete | *Incomplete* | *Incomplete* | *Not Reported* | *Not Reported* | *Not Reported* |
| LA | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| MD | Complete | Complete | *Incomplete* | *Not Reported* | *Not Reported* | *Not Reported* |
| MI | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| MO | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| MS | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| MT | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| ND | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| NE | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| NM | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| NV | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| NY | Complete | Complete | Complete | Complete | Complete | *Not Reported* |
| OH | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| OK | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| OR | Complete | Complete | Complete | Complete | Complete | *Not Reported* |
| PA | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| SD | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| TN | Complete | Complete | Complete | *Not Reported* | *Not Reported* | *Not Reported* |
| TX | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| UT | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| VA | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| WV | Complete | Complete | Complete | Complete | Complete | *Incomplete* |
| WY | Complete | Complete | Complete | Complete | Complete | *Incomplete* |

Source: State administrative oil & gas data thru Enverus Drillinginfo. Data available as of October 2019.

Complete = Data is essentially final although small volume changes may occur as states continue processing or correct inacuracies.
Incomplete = Some well or entity level data is available, but does not appear complete because of size 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 is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). 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 Enverus |
|---|---|---|---|---|
| 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 & gas data thru Enverus Drillinginfo. Data available as of October 2019.

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 there can also be more than one completion per well, 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., Enverus 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:

| Abbreviation | State | Tables |
|---|---|---|
| US | United States | 1-19 |
| AL | Alabama | 20 |
| AK | Alaska | 21 |
| AZ | Arizona | 22 |
| AR | Arkansas | 23 |
| CA | California | 24 |
| CO | Colorado | 25 |
| FG | Federal Gulf of Mexico | 26 |
| FP | Federal Pacific | 27 |
| FL | Florida | 28 |
| KS | Kansas | 29 |
| KY | Kentucky | 30 |
| LA | Louisiana | 31 |
| MD | Maryland | 32 |
| MI | Michigan | 33 |
| MS | Mississippi | 34 |
| MO | Missouri | 35 |
| MT | Montana | 36 |
| NE | Nebraska | 37 |
| NV | Nevada | 38 |
| NM | New Mexico | 39 |
| NY | New York | 40 |
| ND | North Dakota | 41 |
| OH | Ohio | 42 |
| OK | Oklahoma | 43 |
| OR | Oregon | 44 |
| PA | Pennsylvania | 45 |
| SD | South Dakota | 46 |
| TN | Tennessee | 47 |
| TX | Texas | 48 |
| UT | Utah | 49 |
| VA | Virginia | 50 |
| WV | West Virginia | 51 |
| WY | Wyoming | 52 |

Notes:

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

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 145,813 | 39.0 | 16.8 | 0.9 | 0.3 | 5.0 | 0.1 | 82,090 | 23.1 | 71.3 | 0.4 | 2.4 | 0.7 | 0.0 | 227,903 | 17.6 | 76.2 | 515 |
| 1 - 2 | 44,444 | 11.9 | 21.7 | 1.2 | 1.4 | 8.7 | 0.5 | 42,183 | 11.9 | 124.6 | 0.6 | 8.2 | 1.3 | 0.1 | 86,627 | 23.0 | 133.2 | 312 |
| 2 - 4 | 47,823 | 12.8 | 46.1 | 2.5 | 2.7 | 20.8 | 1.2 | 47,233 | 13.3 | 273.7 | 1.4 | 16.2 | 3.3 | 0.2 | 95,056 | 49.4 | 294.5 | 516 |
| 4 - 6 | 26,445 | 7.1 | 42.6 | 2.3 | 4.5 | 23.1 | 2.4 | 28,585 | 8.0 | 279.6 | 1.4 | 27.5 | 3.6 | 0.4 | 55,030 | 46.3 | 302.7 | 517 |
| 6 - 8 | 17,363 | 4.7 | 39.0 | 2.1 | 6.3 | 24.7 | 4.0 | 20,626 | 5.8 | 282.8 | 1.5 | 38.6 | 3.7 | 0.5 | 37,989 | 42.7 | 307.5 | 453 |
| 8 - 10 | 12,960 | 3.5 | 37.3 | 2.0 | 8.1 | 24.5 | 5.3 | 16,217 | 4.6 | 288.8 | 1.5 | 50.2 | 3.3 | 0.6 | 29,177 | 40.6 | 313.3 | 390 |
| **Subtotal <=10** | **294,848** | **78.9** | **203.5** | **10.8** | **1.9** | **106.7** | **1.0** | **236,934** | **66.6** | **1,320.8** | **6.8** | **15.6** | **16.1** | **0.2** | **531,782** | **219.6** | **1,427.5** | **2,703** |
| 10 - 12 | 10,032 | 2.7 | 35.3 | 1.9 | 9.9 | 22.8 | 6.4 | 12,472 | 3.5 | 272.6 | 1.4 | 61.8 | 3.0 | 0.7 | 22,504 | 38.2 | 295.4 | 391 |
| 12 - 15 | 10,824 | 2.9 | 46.6 | 2.5 | 12.1 | 29.8 | 7.7 | 15,194 | 4.3 | 408.4 | 2.1 | 76.2 | 4.0 | 0.7 | 26,018 | 50.6 | 438.2 | 494 |
| **Subtotal <=15** | **315,704** | **84.5** | **285.4** | **15.2** | **2.5** | **159.3** | **1.4** | **264,600** | **74.4** | **2,001.8** | **10.3** | **21.2** | **23.1** | **0.2** | **580,304** | **308.5** | **2,161.1** | **3,588** |
| 15 - 20 | 13,040 | 3.5 | 72.2 | 3.8 | 15.7 | 45.7 | 9.9 | 18,792 | 5.3 | 655.5 | 3.4 | 98.9 | 5.7 | 0.9 | 31,832 | 77.9 | 701.2 | 731 |
| 20 - 25 | 8,652 | 2.3 | 61.4 | 3.3 | 20.3 | 38.1 | 12.6 | 12,933 | 3.6 | 580.6 | 3.0 | 127.8 | 4.9 | 1.1 | 21,585 | 66.3 | 618.6 | 591 |
| 25 - 30 | 6,124 | 1.6 | 53.2 | 2.8 | 24.8 | 33.0 | 15.4 | 9,157 | 2.6 | 500.5 | 2.6 | 156.2 | 4.3 | 1.3 | 15,281 | 57.5 | 533.4 | 459 |
| 30 - 40 | 7,817 | 2.1 | 85.3 | 4.5 | 31.4 | 51.8 | 19.0 | 12,056 | 3.4 | 825.2 | 4.3 | 197.4 | 6.8 | 1.6 | 19,873 | 92.1 | 877.0 | 651 |
| 40 - 50 | 4,759 | 1.3 | 66.1 | 3.5 | 40.3 | 41.9 | 25.5 | 7,230 | 2.0 | 629.0 | 3.2 | 255.6 | 5.1 | 2.1 | 11,989 | 71.1 | 670.8 | 477 |
| 50 - 100 | 9,555 | 2.6 | 197.1 | 10.5 | 61.0 | 144.0 | 44.6 | 14,322 | 4.0 | 1,865.3 | 9.6 | 392.6 | 17.8 | 3.8 | 23,877 | 214.9 | 2,009.2 | 1,066 |
| **Subtotal <=100** | **365,651** | **97.9** | **820.7** | **43.7** | **6.3** | **513.6** | **3.9** | **339,090** | **95.4** | **7,057.7** | **36.4** | **58.7** | **67.7** | **0.6** | **704,741** | **888.4** | **7,571.3** | **7,563** |
| 100 - 200 | 3,964 | 1.1 | 157.1 | 8.4 | 119.5 | 137.5 | 104.6 | 7,693 | 2.2 | 1,904.2 | 9.8 | 787.6 | 19.1 | 7.9 | 11,657 | 176.2 | 2,041.7 | 516 |
| 200 - 400 | 1,893 | 0.5 | 149.2 | 7.9 | 239.1 | 138.7 | 222.3 | 4,199 | 1.2 | 2,025.2 | 10.5 | 1,577.1 | 20.4 | 15.9 | 6,092 | 169.5 | 2,163.9 | 218 |
| 400 - 800 | 1,138 | 0.3 | 182.6 | 9.7 | 486.0 | 181.1 | 482.1 | 2,626 | 0.7 | 2,485.4 | 12.8 | 3,141.6 | 27.5 | 34.7 | 3,764 | 210.0 | 2,666.5 | 107 |
| 800 - 1,600 | 642 | 0.2 | 198.4 | 10.6 | 929.3 | 236.3 | 1,107.0 | 1,264 | 0.4 | 2,201.1 | 11.4 | 6,105.5 | 30.8 | 85.4 | 1,906 | 229.2 | 2,437.4 | 56 |
| 1,600 - 3,200 | 205 | 0.1 | 111.9 | 6.0 | 1,746.3 | 147.4 | 2,299.2 | 477 | 0.1 | 1,660.5 | 8.6 | 11,967.7 | 26.4 | 190.4 | 682 | 138.3 | 1,807.9 | 13 |
| 3,200 - 6,400 | 68 | 0.0 | 76.0 | 4.0 | 3,824.4 | 95.8 | 4,825.2 | 170 | 0.1 | 1,232.0 | 6.4 | 24,193.1 | 18.3 | 360.0 | 238 | 94.3 | 1,327.8 | 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 |
| **Total** | **373,614** | **100.0** | **1,880.1** | **100.0** | **14.2** | **1,795.6** | **13.5** | **355,572** | **100.0** | **19,384.3** | **100.0** | **154.8** | **234.9** | **1.9** | **729,186** | **2,115.1** | **21,179.9** | **8,485** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 146,423 | 39.3 | 16.7 | 0.9 | 0.3 | 5.5 | 0.1 | 91,810 | 24.0 | 79.7 | 0.4 | 2.4 | 0.8 | 0.0 | 238,233 | 17.4 | 85.1 | 537 |
| 1 - 2 | 43,956 | 11.8 | 21.5 | 1.2 | 1.4 | 8.8 | 0.6 | 45,711 | 11.9 | 134.8 | 0.7 | 8.2 | 1.3 | 0.1 | 89,667 | 22.8 | 143.7 | 341 |
| 2 - 4 | 47,646 | 12.8 | 45.8 | 2.5 | 2.7 | 20.8 | 1.2 | 51,188 | 13.4 | 295.8 | 1.5 | 16.3 | 3.4 | 0.2 | 98,834 | 49.2 | 316.7 | 582 |
| 4 - 6 | 26,852 | 7.2 | 43.1 | 2.3 | 4.5 | 23.5 | 2.4 | 30,300 | 7.9 | 295.5 | 1.5 | 27.6 | 3.6 | 0.3 | 57,152 | 46.7 | 319.0 | 527 |
| 6 - 8 | 17,732 | 4.8 | 39.7 | 2.1 | 6.3 | 25.6 | 4.0 | 22,087 | 5.8 | 303.0 | 1.5 | 38.9 | 3.6 | 0.5 | 39,819 | 43.3 | 328.5 | 449 |
| 8 - 10 | 12,797 | 3.4 | 36.7 | 2.0 | 8.0 | 24.8 | 5.4 | 16,745 | 4.4 | 298.5 | 1.5 | 50.5 | 3.2 | 0.5 | 29,542 | 39.9 | 323.3 | 422 |
| **Subtotal <=10** | **295,406** | **79.2** | **203.5** | **10.9** | **1.9** | **109.0** | **1.0** | **257,841** | **67.4** | **1,407.3** | **7.1** | **15.4** | **15.9** | **0.2** | **553,247** | **219.3** | **1,516.3** | **2,858** |
| 10 - 12 | 9,732 | 2.6 | 34.1 | 1.8 | 9.8 | 22.8 | 6.6 | 13,301 | 3.5 | 290.8 | 1.5 | 62.0 | 2.9 | 0.6 | 23,033 | 37.0 | 313.6 | 410 |
| 12 - 15 | 10,949 | 2.9 | 47.1 | 2.5 | 12.1 | 31.0 | 8.0 | 16,882 | 4.4 | 452.1 | 2.3 | 76.2 | 4.3 | 0.7 | 27,831 | 51.4 | 483.1 | 542 |
| **Subtotal <=15** | **316,087** | **84.8** | **284.7** | **15.3** | **2.5** | **162.8** | **1.4** | **288,024** | **75.2** | **2,150.2** | **10.9** | **21.0** | **23.1** | **0.2** | **604,111** | **307.8** | **2,313.0** | **3,810** |
| 15 - 20 | 12,636 | 3.4 | 69.9 | 3.8 | 15.6 | 44.7 | 10.0 | 19,849 | 5.2 | 688.8 | 3.5 | 98.9 | 5.8 | 0.8 | 32,485 | 75.7 | 733.5 | 753 |
| 20 - 25 | 8,446 | 2.3 | 60.0 | 3.2 | 20.2 | 37.7 | 12.7 | 13,604 | 3.6 | 609.0 | 3.1 | 127.7 | 5.0 | 1.1 | 22,050 | 65.0 | 646.7 | 573 |
| 25 - 30 | 5,935 | 1.6 | 51.1 | 2.8 | 24.7 | 32.6 | 15.8 | 9,287 | 2.4 | 504.0 | 2.6 | 156.2 | 4.2 | 1.3 | 15,222 | 55.3 | 536.6 | 445 |
| 30 - 40 | 7,808 | 2.1 | 84.4 | 4.5 | 31.3 | 52.7 | 19.5 | 12,347 | 3.2 | 836.9 | 4.2 | 197.0 | 7.0 | 1.7 | 20,155 | 91.4 | 889.5 | 697 |
| 40 - 50 | 4,701 | 1.3 | 65.0 | 3.5 | 40.1 | 44.8 | 27.6 | 7,445 | 1.9 | 643.7 | 3.3 | 253.9 | 5.9 | 2.3 | 12,146 | 70.9 | 688.5 | 540 |
| 50 - 100 | 9,477 | 2.5 | 194.6 | 10.5 | 60.7 | 147.2 | 45.9 | 15,139 | 4.0 | 1,964.3 | 10.0 | 394.8 | 18.7 | 3.8 | 24,616 | 213.3 | 2,111.5 | 1,147 |
| **Subtotal <=100** | **365,090** | **97.9** | **809.7** | **43.5** | **6.2** | **522.5** | **4.0** | **365,695** | **95.5** | **7,396.8** | **37.5** | **57.4** | **69.7** | **0.5** | **730,785** | **879.4** | **7,919.3** | **7,965** |
| 100 - 200 | 3,892 | 1.0 | 153.8 | 8.3 | 120.0 | 136.2 | 106.3 | 8,232 | 2.2 | 2,020.9 | 10.2 | 791.3 | 19.4 | 7.6 | 12,124 | 173.2 | 2,157.1 | 569 |
| 200 - 400 | 1,860 | 0.5 | 148.5 | 8.0 | 240.4 | 140.4 | 227.3 | 4,495 | 1.2 | 2,165.4 | 11.0 | 1,578.5 | 22.9 | 16.7 | 6,355 | 171.4 | 2,305.8 | 264 |
| 400 - 800 | 1,093 | 0.3 | 177.8 | 9.6 | 485.4 | 180.3 | 492.2 | 2,589 | 0.7 | 2,434.7 | 12.3 | 3,117.8 | 26.8 | 34.3 | 3,682 | 204.6 | 2,615.0 | 127 |
| 800 - 1,600 | 576 | 0.2 | 173.8 | 9.3 | 915.1 | 204.2 | 1,075.6 | 1,138 | 0.3 | 2,021.1 | 10.2 | 6,012.5 | 28.9 | 86.1 | 1,714 | 202.7 | 2,225.4 | 51 |
| 1,600 - 3,200 | 149 | 0.0 | 85.0 | 4.6 | 1,781.2 | 94.9 | 1,988.4 | 448 | 0.1 | 1,577.3 | 8.0 | 12,040.9 | 24.6 | 188.0 | 597 | 109.6 | 1,672.2 | 14 |
| 3,200 - 6,400 | 81 | 0.0 | 77.9 | 4.2 | 3,554.0 | 107.1 | 4,887.6 | 157 | 0.0 | 1,161.3 | 5.9 | 24,001.2 | 19.0 | 393.3 | 238 | 96.9 | 1,268.4 | 8 |
| 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 |
| **Total** | **372,815** | **100.0** | **1,862.4** | **100.0** | **14.1** | **1,804.9** | **13.7** | **382,814** | **100.0** | **19,733.3** | **100.0** | **147.1** | **250.6** | **1.9** | **755,629** | **2,113.0** | **21,538.2** | **8,998** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 143,671 | 39.2 | 16.3 | 0.9 | 0.3 | 5.3 | 0.1 | 94,329 | 24.0 | 81.1 | 0.4 | 2.4 | 0.8 | 0.0 | 238,000 | 17.2 | 86.4 | 534 |
| 1 - 2 | 44,406 | 12.1 | 21.5 | 1.2 | 1.4 | 9.2 | 0.6 | 46,586 | 11.8 | 138.1 | 0.7 | 8.3 | 1.4 | 0.1 | 90,992 | 22.8 | 147.3 | 356 |
| 2 - 4 | 47,564 | 13.0 | 45.6 | 2.5 | 2.7 | 21.1 | 1.2 | 52,001 | 13.2 | 302.6 | 1.6 | 16.3 | 3.3 | 0.2 | 99,565 | 48.9 | 323.7 | 631 |
| 4 - 6 | 26,674 | 7.3 | 42.9 | 2.3 | 4.5 | 23.7 | 2.5 | 32,018 | 8.1 | 314.2 | 1.7 | 27.7 | 3.5 | 0.3 | 58,692 | 46.4 | 338.0 | 533 |
| 6 - 8 | 17,308 | 4.7 | 38.8 | 2.1 | 6.3 | 25.1 | 4.1 | 23,157 | 5.9 | 320.9 | 1.7 | 39.1 | 3.5 | 0.4 | 40,465 | 42.3 | 346.0 | 513 |
| 8 - 10 | 12,491 | 3.4 | 36.0 | 2.0 | 8.1 | 24.3 | 5.4 | 17,990 | 4.6 | 321.7 | 1.7 | 50.6 | 3.4 | 0.5 | 30,481 | 39.4 | 345.9 | 446 |
| **Subtotal <=10** | **292,114** | **79.6** | **201.2** | **10.9** | **1.9** | **108.6** | **1.0** | **266,081** | **67.6** | **1,478.6** | **7.8** | **15.6** | **15.9** | **0.2** | **558,195** | **217.0** | **1,587.2** | **3,013** |
| 10 - 12 | 9,770 | 2.7 | 34.2 | 1.9 | 9.8 | 23.7 | 6.8 | 14,453 | 3.7 | 318.6 | 1.7 | 62.3 | 3.1 | 0.6 | 24,223 | 37.3 | 342.3 | 448 |
| 12 - 15 | 10,588 | 2.9 | 45.4 | 2.5 | 12.1 | 30.5 | 8.1 | 17,146 | 4.4 | 463.4 | 2.4 | 76.3 | 4.3 | 0.7 | 27,734 | 49.7 | 493.9 | 572 |
| **Subtotal <=15** | **312,472** | **85.2** | **280.7** | **15.2** | **2.5** | **162.9** | **1.5** | **297,680** | **75.6** | **2,260.6** | **11.8** | **21.4** | **23.2** | **0.2** | **610,152** | **303.9** | **2,423.5** | **4,033** |
| 15 - 20 | 12,168 | 3.3 | 67.4 | 3.6 | 15.6 | 43.9 | 10.2 | 20,784 | 5.3 | 725.2 | 3.8 | 98.8 | 6.1 | 0.8 | 32,952 | 73.5 | 769.1 | 734 |
| 20 - 25 | 8,027 | 2.2 | 57.5 | 3.1 | 20.2 | 36.9 | 13.0 | 13,960 | 3.6 | 627.7 | 3.3 | 127.7 | 5.2 | 1.1 | 21,987 | 62.7 | 664.6 | 603 |
| 25 - 30 | 5,785 | 1.6 | 50.4 | 2.7 | 24.8 | 32.2 | 15.8 | 9,634 | 2.5 | 527.3 | 2.8 | 156.3 | 4.4 | 1.3 | 15,419 | 54.8 | 559.5 | 502 |
| 30 - 40 | 7,629 | 2.1 | 83.0 | 4.5 | 31.3 | 52.2 | 19.7 | 12,288 | 3.1 | 841.5 | 4.4 | 197.4 | 7.0 | 1.7 | 19,917 | 90.0 | 893.6 | 776 |
| 40 - 50 | 4,691 | 1.3 | 64.9 | 3.5 | 40.2 | 43.0 | 26.6 | 7,406 | 1.9 | 649.6 | 3.4 | 254.7 | 5.4 | 2.1 | 12,097 | 70.4 | 692.6 | 512 |
| 50 - 100 | 8,746 | 2.4 | 181.0 | 9.8 | 60.7 | 136.3 | 45.7 | 15,432 | 3.9 | 2,028.4 | 10.6 | 393.4 | 19.0 | 3.7 | 24,178 | 200.0 | 2,164.7 | 1,222 |
| **Subtotal <=100** | **359,518** | **98.0** | **784.8** | **42.4** | **6.1** | **507.3** | **4.0** | **377,184** | **95.8** | **7,660.2** | **40.1** | **57.4** | **70.4** | **0.5** | **736,702** | **855.2** | **8,167.5** | **8,382** |
| 100 - 200 | 3,640 | 1.0 | 147.3 | 8.0 | 120.9 | 121.2 | 99.4 | 8,139 | 2.1 | 2,051.9 | 10.8 | 793.0 | 19.2 | 7.4 | 11,779 | 166.5 | 2,173.1 | 634 |
| 200 - 400 | 1,788 | 0.5 | 145.6 | 7.9 | 243.9 | 127.1 | 212.9 | 4,486 | 1.1 | 2,222.4 | 11.6 | 1,579.0 | 20.9 | 14.9 | 6,274 | 166.5 | 2,349.4 | 251 |
| 400 - 800 | 996 | 0.3 | 160.0 | 8.7 | 478.1 | 174.8 | 522.1 | 2,245 | 0.6 | 2,130.6 | 11.2 | 3,110.8 | 24.6 | 36.0 | 3,241 | 184.7 | 2,305.4 | 109 |
| 800 - 1,600 | 544 | 0.2 | 162.4 | 8.8 | 896.9 | 200.9 | 1,109.2 | 962 | 0.2 | 1,712.8 | 9.0 | 5,995.7 | 27.4 | 95.9 | 1,506 | 189.8 | 1,913.7 | 47 |
| 1,600 - 3,200 | 157 | 0.0 | 89.5 | 4.8 | 1,829.5 | 106.1 | 2,168.2 | 397 | 0.1 | 1,424.4 | 7.5 | 12,148.3 | 23.0 | 196.2 | 554 | 112.6 | 1,530.5 | 12 |
| 3,200 - 6,400 | 79 | 0.0 | 93.3 | 5.0 | 3,752.4 | 116.0 | 4,665.9 | 134 | 0.0 | 957.2 | 5.0 | 23,533.5 | 17.3 | 425.2 | 213 | 110.6 | 1,073.2 | 4 |
| 6,400 - 12,800 | 59 | 0.0 | 133.3 | 7.2 | 7,010.1 | 211.1 | 11,101.2 | 47 | 0.0 | 637.5 | 3.3 | 43,982.5 | 16.9 | 1,164.4 | 106 | 150.2 | 848.6 | 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 |
| **Total** | **366,810** | **100.0** | **1,849.2** | **100.0** | **14.2** | **1,805.9** | **13.8** | **393,605** | **100.0** | **19,085.3** | **100.0** | **137.8** | **231.8** | **1.7** | **760,415** | **2,081.0** | **20,891.2** | **9,439** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 141,518 | 39.0 | 16.2 | 0.9 | 0.3 | 5.3 | 0.1 | 98,420 | 24.0 | 84.7 | 0.4 | 2.4 | 0.8 | 0.0 | 239,938 | 17.0 | 90.0 | 581 |
| 1 - 2 | 44,180 | 12.2 | 21.5 | 1.2 | 1.4 | 8.9 | 0.6 | 47,814 | 11.7 | 141.9 | 0.7 | 8.3 | 1.3 | 0.1 | 91,994 | 22.8 | 150.8 | 361 |
| 2 - 4 | 48,111 | 13.3 | 46.2 | 2.5 | 2.7 | 21.4 | 1.2 | 53,632 | 13.1 | 313.8 | 1.6 | 16.4 | 3.2 | 0.2 | 101,743 | 49.4 | 335.2 | 623 |
| 4 - 6 | 25,964 | 7.2 | 41.7 | 2.3 | 4.5 | 23.5 | 2.5 | 33,687 | 8.2 | 333.7 | 1.7 | 27.8 | 3.6 | 0.3 | 59,651 | 45.3 | 357.2 | 606 |
| 6 - 8 | 17,483 | 4.8 | 39.1 | 2.1 | 6.3 | 25.5 | 4.1 | 24,612 | 6.0 | 342.3 | 1.8 | 39.2 | 3.7 | 0.4 | 42,095 | 42.8 | 367.8 | 552 |
| 8 - 10 | 12,483 | 3.4 | 35.8 | 2.0 | 8.0 | 24.7 | 5.5 | 19,516 | 4.8 | 350.9 | 1.8 | 50.8 | 3.6 | 0.5 | 31,999 | 39.3 | 375.6 | 503 |
| **Subtotal <=10** | **289,739** | **79.8** | **200.5** | **11.0** | **1.9** | **109.3** | **1.1** | **277,681** | **67.7** | **1,567.3** | **8.2** | **15.8** | **16.1** | **0.2** | **567,420** | **216.7** | **1,676.6** | **3,226** |
| 10 - 12 | 9,539 | 2.6 | 33.5 | 1.8 | 9.9 | 22.7 | 6.7 | 15,337 | 3.7 | 337.0 | 1.8 | 62.2 | 3.3 | 0.6 | 24,876 | 36.8 | 359.7 | 497 |
| 12 - 15 | 10,383 | 2.9 | 44.8 | 2.5 | 12.1 | 28.5 | 7.7 | 18,393 | 4.5 | 496.9 | 2.6 | 76.4 | 4.5 | 0.7 | 28,776 | 49.4 | 525.5 | 575 |
| **Subtotal <=15** | **309,661** | **85.3** | **278.8** | **15.2** | **2.5** | **160.6** | **1.5** | **311,411** | **75.9** | **2,401.3** | **12.5** | **21.7** | **24.0** | **0.2** | **621,072** | **302.8** | **2,561.8** | **4,298** |
| 15 - 20 | 11,814 | 3.3 | 65.2 | 3.6 | 15.6 | 42.3 | 10.1 | 21,604 | 5.3 | 753.6 | 3.9 | 98.9 | 6.3 | 0.8 | 33,418 | 71.5 | 795.8 | 761 |
| 20 - 25 | 8,113 | 2.2 | 57.6 | 3.1 | 20.2 | 36.9 | 13.0 | 14,008 | 3.4 | 626.9 | 3.3 | 127.6 | 5.3 | 1.1 | 22,121 | 62.8 | 663.9 | 701 |
| 25 - 30 | 5,587 | 1.5 | 48.2 | 2.6 | 24.7 | 30.8 | 15.8 | 9,802 | 2.4 | 532.8 | 2.8 | 156.0 | 4.5 | 1.3 | 15,389 | 52.8 | 563.7 | 515 |
| 30 - 40 | 7,646 | 2.1 | 82.0 | 4.5 | 31.2 | 53.1 | 20.2 | 12,619 | 3.1 | 858.1 | 4.5 | 197.4 | 7.0 | 1.6 | 20,265 | 89.0 | 911.1 | 797 |
| 40 - 50 | 4,597 | 1.3 | 62.4 | 3.4 | 40.0 | 43.3 | 27.7 | 7,680 | 1.9 | 665.4 | 3.5 | 255.0 | 5.6 | 2.1 | 12,277 | 67.9 | 708.6 | 576 |
| 50 - 100 | 8,657 | 2.4 | 178.2 | 9.7 | 61.0 | 130.1 | 44.5 | 15,988 | 3.9 | 2,071.0 | 10.8 | 393.6 | 19.1 | 3.6 | 24,645 | 197.3 | 2,201.1 | 1,385 |
| **Subtotal <=100** | **356,075** | **98.1** | **772.3** | **42.2** | **6.1** | **497.0** | **3.9** | **393,112** | **95.8** | **7,909.0** | **41.3** | **56.9** | **71.8** | **0.5** | **749,187** | **844.1** | **8,406.0** | **9,033** |
| 100 - 200 | 3,493 | 1.0 | 140.6 | 7.7 | 121.7 | 113.3 | 98.1 | 8,712 | 2.1 | 2,146.1 | 11.2 | 796.0 | 18.6 | 6.9 | 12,205 | 159.3 | 2,259.5 | 661 |
| 200 - 400 | 1,758 | 0.5 | 142.7 | 7.8 | 243.1 | 127.5 | 217.2 | 4,706 | 1.2 | 2,250.6 | 11.8 | 1,577.2 | 20.4 | 14.3 | 6,464 | 163.1 | 2,378.1 | 324 |
| 400 - 800 | 955 | 0.3 | 150.6 | 8.2 | 470.1 | 171.0 | 533.7 | 2,189 | 0.5 | 1,982.4 | 10.4 | 3,034.9 | 26.2 | 40.2 | 3,144 | 176.9 | 2,153.4 | 139 |
| 800 - 1,600 | 516 | 0.1 | 152.9 | 8.4 | 890.5 | 196.0 | 1,141.3 | 947 | 0.2 | 1,621.6 | 8.5 | 5,954.9 | 26.2 | 96.1 | 1,463 | 179.1 | 1,817.6 | 48 |
| 1,600 - 3,200 | 172 | 0.1 | 99.1 | 5.4 | 1,778.0 | 131.7 | 2,362.7 | 380 | 0.1 | 1,368.6 | 7.2 | 12,092.1 | 22.3 | 197.1 | 552 | 121.5 | 1,500.3 | 14 |
| 3,200 - 6,400 | 95 | 0.0 | 115.1 | 6.3 | 3,767.2 | 141.3 | 4,623.7 | 112 | 0.0 | 880.6 | 4.6 | 24,902.8 | 12.8 | 362.6 | 207 | 127.9 | 1,021.9 | 7 |
| 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 |
| **Total** | **363,152** | **100.0** | **1,832.0** | **100.0** | **14.2** | **1,803.8** | **14.0** | **410,213** | **100.0** | **19,152.1** | **100.0** | **132.7** | **214.0** | **1.5** | **773,365** | **2,046.1** | **20,955.9** | **10,226** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 144,349 | 39.5 | 16.6 | 0.9 | 0.3 | 5.4 | 0.1 | 102,173 | 23.9 | 86.2 | 0.5 | 2.4 | 0.9 | 0.0 | 246,522 | 17.5 | 91.7 | 626 |
| 1 - 2 | 44,397 | 12.2 | 21.8 | 1.2 | 1.4 | 8.9 | 0.6 | 49,721 | 11.6 | 147.4 | 0.8 | 8.3 | 1.4 | 0.1 | 94,118 | 23.2 | 156.4 | 386 |
| 2 - 4 | 47,724 | 13.1 | 46.0 | 2.6 | 2.7 | 21.4 | 1.2 | 56,249 | 13.1 | 330.2 | 1.7 | 16.4 | 3.3 | 0.2 | 103,973 | 49.2 | 351.6 | 747 |
| 4 - 6 | 26,165 | 7.2 | 42.2 | 2.4 | 4.5 | 23.8 | 2.5 | 35,925 | 8.4 | 356.2 | 1.9 | 27.9 | 3.8 | 0.3 | 62,090 | 46.0 | 380.0 | 660 |
| 6 - 8 | 17,229 | 4.7 | 38.5 | 2.2 | 6.2 | 25.9 | 4.2 | 26,279 | 6.1 | 366.1 | 1.9 | 39.2 | 3.9 | 0.4 | 43,508 | 42.4 | 392.0 | 614 |
| 8 - 10 | 12,528 | 3.4 | 35.9 | 2.0 | 8.0 | 24.7 | 5.5 | 20,338 | 4.8 | 367.0 | 1.9 | 50.8 | 3.5 | 0.5 | 32,866 | 39.4 | 391.8 | 525 |
| **Subtotal <=10** | **292,392** | **80.1** | **201.0** | **11.4** | **1.9** | **110.2** | **1.1** | **290,685** | **67.9** | **1,653.2** | **8.7** | **16.0** | **16.7** | **0.2** | **583,077** | **217.7** | **1,763.4** | **3,558** |
| 10 - 12 | 9,363 | 2.6 | 32.7 | 1.9 | 9.8 | 22.5 | 6.8 | 16,383 | 3.8 | 361.4 | 1.9 | 62.3 | 3.4 | 0.6 | 25,746 | 36.1 | 383.9 | 495 |
| 12 - 15 | 10,534 | 2.9 | 45.2 | 2.6 | 12.1 | 30.2 | 8.1 | 19,482 | 4.6 | 526.9 | 2.8 | 76.5 | 4.8 | 0.7 | 30,016 | 50.0 | 557.1 | 621 |
| **Subtotal <=15** | **312,289** | **85.5** | **279.0** | **15.8** | **2.5** | **162.9** | **1.5** | **326,550** | **76.2** | **2,541.5** | **13.3** | **21.9** | **24.9** | **0.2** | **638,839** | **303.8** | **2,704.4** | **4,674** |
| 15 - 20 | 11,874 | 3.3 | 65.6 | 3.7 | 15.6 | 42.8 | 10.2 | 22,005 | 5.1 | 765.9 | 4.0 | 98.8 | 6.4 | 0.8 | 33,879 | 72.0 | 808.7 | 820 |
| 20 - 25 | 8,063 | 2.2 | 57.0 | 3.2 | 20.1 | 37.4 | 13.2 | 14,284 | 3.3 | 636.9 | 3.3 | 127.4 | 5.4 | 1.1 | 22,347 | 62.5 | 674.3 | 753 |
| 25 - 30 | 5,816 | 1.6 | 49.4 | 2.8 | 24.6 | 33.2 | 16.5 | 9,797 | 2.3 | 533.4 | 2.8 | 156.4 | 4.4 | 1.3 | 15,613 | 53.9 | 566.6 | 597 |
| 30 - 40 | 7,394 | 2.0 | 79.3 | 4.5 | 31.1 | 53.0 | 20.8 | 13,088 | 3.1 | 887.8 | 4.7 | 197.0 | 7.6 | 1.7 | 20,482 | 86.9 | 940.8 | 871 |
| 40 - 50 | 4,468 | 1.2 | 60.7 | 3.4 | 40.0 | 42.5 | 28.0 | 7,992 | 1.9 | 692.0 | 3.6 | 254.6 | 5.9 | 2.2 | 12,460 | 66.6 | 734.5 | 657 |
| 50 - 100 | 8,303 | 2.3 | 169.1 | 9.6 | 60.9 | 124.5 | 44.8 | 16,692 | 3.9 | 2,172.2 | 11.4 | 395.9 | 18.9 | 3.4 | 24,995 | 188.0 | 2,296.7 | 1,521 |
| **Subtotal <=100** | **358,207** | **98.1** | **760.1** | **43.0** | **5.9** | **496.3** | **3.9** | **410,408** | **95.8** | **8,229.7** | **43.1** | **56.7** | **73.5** | **0.5** | **768,615** | **833.7** | **8,726.0** | **9,893** |
| 100 - 200 | 3,358 | 0.9 | 135.0 | 7.6 | 121.4 | 112.2 | 100.8 | 9,652 | 2.3 | 2,347.5 | 12.3 | 792.7 | 20.4 | 6.9 | 13,010 | 155.4 | 2,459.7 | 840 |
| 200 - 400 | 1,744 | 0.5 | 142.3 | 8.1 | 245.2 | 125.5 | 216.2 | 4,857 | 1.1 | 2,304.2 | 12.1 | 1,562.6 | 22.4 | 15.2 | 6,601 | 164.7 | 2,429.7 | 558 |
| 400 - 800 | 919 | 0.3 | 144.3 | 8.2 | 472.2 | 156.3 | 511.6 | 2,123 | 0.5 | 1,881.6 | 9.9 | 3,030.8 | 25.1 | 40.4 | 3,042 | 169.3 | 2,037.9 | 181 |
| 800 - 1,600 | 487 | 0.1 | 138.2 | 7.8 | 872.0 | 189.4 | 1,195.6 | 848 | 0.2 | 1,469.0 | 7.7 | 6,065.5 | 20.7 | 85.3 | 1,335 | 158.8 | 1,658.4 | 52 |
| 1,600 - 3,200 | 190 | 0.1 | 107.2 | 6.1 | 1,784.7 | 142.7 | 2,376.0 | 286 | 0.1 | 1,048.9 | 5.5 | 12,007.6 | 17.5 | 200.2 | 476 | 124.7 | 1,191.6 | 14 |
| 3,200 - 6,400 | 93 | 0.0 | 114.2 | 6.5 | 3,750.4 | 175.7 | 5,769.4 | 114 | 0.0 | 822.2 | 4.3 | 22,935.7 | 12.5 | 349.7 | 207 | 126.7 | 997.8 | 10 |
| 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 |
| **Total** | **365,080** | **100.0** | **1,766.6** | **100.0** | **13.6** | **1,767.2** | **13.6** | **428,343** | **100.0** | **19,092.1** | **100.0** | **126.8** | **208.9** | **1.4** | **793,423** | **1,975.5** | **20,859.4** | **11,548** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 146,065 | 39.6 | 16.7 | 1.0 | 0.3 | 5.6 | 0.1 | 106,835 | 23.8 | 89.0 | 0.5 | 2.4 | 0.9 | 0.0 | 252,900 | 17.5 | 94.6 | 651 |
| 1 - 2 | 45,305 | 12.3 | 22.1 | 1.3 | 1.4 | 9.1 | 0.6 | 51,811 | 11.5 | 153.9 | 0.8 | 8.3 | 1.4 | 0.1 | 97,116 | 23.5 | 162.9 | 446 |
| 2 - 4 | 48,347 | 13.1 | 46.4 | 2.8 | 2.7 | 22.0 | 1.3 | 59,549 | 13.3 | 347.9 | 1.9 | 16.4 | 3.4 | 0.2 | 107,896 | 49.8 | 369.9 | 875 |
| 4 - 6 | 26,509 | 7.2 | 42.4 | 2.5 | 4.5 | 24.9 | 2.6 | 38,624 | 8.6 | 383.1 | 2.1 | 28.0 | 3.9 | 0.3 | 65,133 | 46.3 | 408.0 | 750 |
| 6 - 8 | 17,356 | 4.7 | 38.7 | 2.3 | 6.2 | 25.9 | 4.2 | 27,828 | 6.2 | 387.5 | 2.1 | 39.4 | 3.9 | 0.4 | 45,184 | 42.6 | 413.4 | 686 |
| 8 - 10 | 12,723 | 3.5 | 36.4 | 2.2 | 8.0 | 25.0 | 5.5 | 21,940 | 4.9 | 394.8 | 2.1 | 50.9 | 3.8 | 0.5 | 34,663 | 40.2 | 419.7 | 569 |
| **Subtotal <=10** | **296,305** | **80.4** | **202.7** | **12.0** | **1.9** | **112.5** | **1.1** | **306,587** | **68.3** | **1,756.1** | **9.4** | **16.1** | **17.2** | **0.2** | **602,892** | **219.9** | **1,868.6** | **3,977** |
| 10 - 12 | 9,628 | 2.6 | 33.4 | 2.0 | 9.8 | 23.7 | 6.9 | 17,526 | 3.9 | 385.3 | 2.1 | 62.3 | 3.5 | 0.6 | 27,154 | 36.9 | 408.9 | 559 |
| 12 - 15 | 10,776 | 2.9 | 45.5 | 2.7 | 12.1 | 30.6 | 8.1 | 19,921 | 4.4 | 537.3 | 2.9 | 76.5 | 4.8 | 0.7 | 30,697 | 50.3 | 567.8 | 694 |
| **Subtotal <=15** | **316,709** | **85.9** | **281.5** | **16.7** | **2.5** | **166.7** | **1.5** | **344,034** | **76.7** | **2,678.6** | **14.3** | **21.9** | **25.6** | **0.2** | **660,743** | **307.1** | **2,845.3** | **5,230** |
| 15 - 20 | 11,922 | 3.2 | 65.3 | 3.9 | 15.6 | 43.5 | 10.4 | 22,402 | 5.0 | 774.6 | 4.1 | 98.7 | 6.7 | 0.9 | 34,324 | 72.0 | 818.1 | 984 |
| 20 - 25 | 7,889 | 2.1 | 55.3 | 3.3 | 20.1 | 36.7 | 13.4 | 14,560 | 3.2 | 645.3 | 3.5 | 127.5 | 5.4 | 1.1 | 22,449 | 60.7 | 682.0 | 842 |
| 25 - 30 | 5,703 | 1.6 | 48.7 | 2.9 | 24.6 | 32.7 | 16.5 | 10,058 | 2.2 | 544.9 | 2.9 | 156.5 | 4.5 | 1.3 | 15,761 | 53.2 | 577.6 | 683 |
| 30 - 40 | 7,512 | 2.0 | 79.4 | 4.7 | 30.9 | 55.6 | 21.7 | 13,390 | 3.0 | 904.9 | 4.8 | 197.2 | 7.5 | 1.6 | 20,902 | 86.9 | 960.5 | 1,007 |
| 40 - 50 | 4,375 | 1.2 | 59.0 | 3.5 | 39.9 | 41.7 | 28.2 | 8,266 | 1.8 | 713.2 | 3.8 | 255.5 | 5.8 | 2.1 | 12,641 | 64.8 | 754.8 | 707 |
| 50 - 100 | 8,096 | 2.2 | 162.8 | 9.7 | 60.7 | 124.3 | 46.4 | 17,580 | 3.9 | 2,291.4 | 12.3 | 399.3 | 18.2 | 3.2 | 25,676 | 181.0 | 2,415.7 | 1,806 |
| **Subtotal <=100** | **362,206** | **98.2** | **752.1** | **44.7** | **5.8** | **501.3** | **3.9** | **430,290** | **95.9** | **8,552.9** | **45.7** | **56.4** | **73.7** | **0.5** | **792,496** | **825.7** | **9,054.2** | **11,259** |
| 100 - 200 | 3,243 | 0.9 | 130.6 | 7.8 | 122.6 | 104.0 | 97.6 | 10,446 | 2.3 | 2,513.1 | 13.4 | 796.0 | 20.4 | 6.5 | 13,689 | 151.0 | 2,617.1 | 1,318 |
| 200 - 400 | 1,680 | 0.5 | 134.0 | 8.0 | 241.5 | 115.3 | 207.8 | 5,024 | 1.1 | 2,323.1 | 12.4 | 1,561.2 | 21.1 | 14.2 | 6,704 | 155.0 | 2,438.4 | 795 |
| 400 - 800 | 868 | 0.2 | 138.9 | 8.3 | 471.9 | 151.6 | 514.8 | 1,938 | 0.4 | 1,678.1 | 9.0 | 3,024.2 | 21.3 | 38.3 | 2,806 | 160.2 | 1,829.7 | 240 |
| 800 - 1,600 | 442 | 0.1 | 133.8 | 8.0 | 907.0 | 173.2 | 1,174.1 | 704 | 0.2 | 1,226.7 | 6.6 | 6,160.7 | 17.4 | 87.4 | 1,146 | 151.2 | 1,399.9 | 54 |
| 1,600 - 3,200 | 163 | 0.0 | 94.5 | 5.6 | 1,839.6 | 126.6 | 2,466.6 | 241 | 0.1 | 846.9 | 4.5 | 11,792.6 | 12.8 | 178.0 | 404 | 107.2 | 973.5 | 21 |
| 3,200 - 6,400 | 95 | 0.0 | 114.0 | 6.8 | 3,612.9 | 163.2 | 5,171.7 | 88 | 0.0 | 673.8 | 3.6 | 23,476.6 | 10.3 | 358.2 | 183 | 124.3 | 837.0 | 8 |
| 6,400 - 12,800 | 41 | 0.0 | 100.4 | 6.0 | 7,061.3 | 134.8 | 9,479.0 | 42 | 0.0 | 696.2 | 3.7 | 48,461.5 | 11.2 | 779.0 | 83 | 111.6 | 831.0 | 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 |
| **Total** | **368,757** | **100.0** | **1,682.7** | **100.0** | **12.9** | **1,610.3** | **12.3** | **448,781** | **100.0** | **18,711.3** | **100.0** | **119.1** | **197.7** | **1.3** | **817,538** | **1,880.4** | **20,321.6** | **13,695** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 147,237 | 39.4 | 17.1 | 1.0 | 0.3 | 5.7 | 0.1 | 113,863 | 23.9 | 95.3 | 0.5 | 2.4 | 0.9 | 0.0 | 261,100 | 17.9 | 101.1 | 731 |
| 1 - 2 | 46,179 | 12.4 | 22.5 | 1.4 | 1.4 | 9.3 | 0.6 | 55,109 | 11.6 | 163.2 | 0.9 | 8.3 | 1.4 | 0.1 | 101,288 | 23.9 | 172.6 | 478 |
| 2 - 4 | 49,446 | 13.2 | 47.3 | 2.9 | 2.7 | 22.1 | 1.3 | 63,594 | 13.3 | 372.0 | 1.9 | 16.5 | 3.5 | 0.2 | 113,040 | 50.9 | 394.0 | 903 |
| 4 - 6 | 27,604 | 7.4 | 43.7 | 2.7 | 4.5 | 26.6 | 2.7 | 41,339 | 8.7 | 408.8 | 2.1 | 28.0 | 4.1 | 0.3 | 68,943 | 47.8 | 435.4 | 842 |
| 6 - 8 | 18,118 | 4.9 | 40.0 | 2.4 | 6.2 | 27.6 | 4.3 | 30,133 | 6.3 | 419.1 | 2.2 | 39.4 | 4.1 | 0.4 | 48,251 | 44.1 | 446.8 | 757 |
| 8 - 10 | 12,816 | 3.4 | 36.4 | 2.2 | 8.0 | 25.2 | 5.6 | 23,471 | 4.9 | 420.6 | 2.2 | 50.8 | 3.9 | 0.5 | 36,287 | 40.3 | 445.7 | 661 |
| **Subtotal <=10** | **301,400** | **80.6** | **207.0** | **12.6** | **1.9** | **116.5** | **1.1** | **327,509** | **68.7** | **1,879.0** | **9.8** | **16.2** | **18.0** | **0.2** | **628,909** | **225.0** | **1,995.6** | **4,372** |
| 10 - 12 | 9,867 | 2.6 | 33.6 | 2.0 | 9.8 | 24.1 | 7.0 | 18,402 | 3.9 | 405.3 | 2.1 | 62.4 | 3.6 | 0.6 | 28,269 | 37.2 | 429.4 | 586 |
| 12 - 15 | 10,721 | 2.9 | 45.4 | 2.8 | 12.0 | 30.9 | 8.2 | 21,052 | 4.4 | 566.7 | 3.0 | 76.5 | 5.1 | 0.7 | 31,773 | 50.4 | 597.7 | 832 |
| **Subtotal <=15** | **321,988** | **86.2** | **285.9** | **17.4** | **2.5** | **171.6** | **1.5** | **366,963** | **76.9** | **2,851.0** | **14.8** | **22.0** | **26.6** | **0.2** | **688,951** | **312.6** | **3,022.6** | **5,790** |
| 15 - 20 | 12,134 | 3.3 | 66.3 | 4.0 | 15.6 | 42.9 | 10.1 | 23,017 | 4.8 | 795.4 | 4.1 | 98.7 | 7.0 | 0.9 | 35,151 | 73.4 | 838.3 | 1,154 |
| 20 - 25 | 7,934 | 2.1 | 55.2 | 3.4 | 20.0 | 38.1 | 13.8 | 15,022 | 3.2 | 666.5 | 3.5 | 127.4 | 5.7 | 1.1 | 22,956 | 60.9 | 704.6 | 931 |
| 25 - 30 | 5,727 | 1.5 | 48.1 | 2.9 | 24.5 | 33.3 | 17.0 | 10,571 | 2.2 | 570.4 | 3.0 | 156.4 | 4.7 | 1.3 | 16,298 | 52.7 | 603.7 | 788 |
| 30 - 40 | 7,486 | 2.0 | 78.0 | 4.8 | 30.7 | 57.0 | 22.5 | 13,849 | 2.9 | 936.5 | 4.9 | 197.4 | 7.9 | 1.7 | 21,335 | 85.9 | 993.5 | 1,187 |
| 40 - 50 | 4,213 | 1.1 | 55.7 | 3.4 | 39.8 | 40.4 | 28.9 | 8,742 | 1.8 | 752.9 | 3.9 | 254.5 | 6.6 | 2.2 | 12,955 | 62.2 | 793.3 | 880 |
| 50 - 100 | 7,852 | 2.1 | 157.3 | 9.6 | 60.6 | 120.3 | 46.3 | 19,195 | 4.0 | 2,492.4 | 13.0 | 399.0 | 20.4 | 3.3 | 27,047 | 177.8 | 2,612.7 | 2,521 |
| **Subtotal <=100** | **367,334** | **98.3** | **746.5** | **45.5** | **5.7** | **503.6** | **3.9** | **457,359** | **95.9** | **9,065.2** | **47.1** | **56.4** | **78.9** | **0.5** | **824,693** | **825.5** | **9,568.7** | **13,251** |
| 100 - 200 | 3,209 | 0.9 | 128.6 | 7.8 | 121.4 | 106.8 | 100.8 | 11,557 | 2.4 | 2,769.5 | 14.4 | 796.0 | 21.5 | 6.2 | 14,766 | 150.1 | 2,876.3 | 2,041 |
| 200 - 400 | 1,635 | 0.4 | 129.1 | 7.9 | 241.4 | 116.6 | 218.0 | 5,208 | 1.1 | 2,345.1 | 12.2 | 1,546.6 | 21.4 | 14.1 | 6,843 | 150.6 | 2,461.8 | 1,040 |
| 400 - 800 | 877 | 0.2 | 135.0 | 8.2 | 463.6 | 153.7 | 527.9 | 1,786 | 0.4 | 1,505.5 | 7.8 | 3,069.8 | 19.0 | 38.8 | 2,663 | 154.1 | 1,659.3 | 276 |
| 800 - 1,600 | 371 | 0.1 | 109.6 | 6.7 | 889.4 | 154.3 | 1,252.0 | 694 | 0.2 | 1,202.4 | 6.3 | 6,068.5 | 17.7 | 89.4 | 1,065 | 127.3 | 1,356.7 | 69 |
| 1,600 - 3,200 | 167 | 0.0 | 102.9 | 6.3 | 1,867.6 | 131.5 | 2,386.2 | 242 | 0.1 | 890.0 | 4.6 | 11,997.2 | 13.2 | 177.7 | 409 | 116.1 | 1,021.5 | 16 |
| 3,200 - 6,400 | 96 | 0.0 | 113.8 | 6.9 | 3,628.7 | 152.8 | 4,872.4 | 91 | 0.0 | 690.2 | 3.6 | 24,488.0 | 10.2 | 362.5 | 187 | 124.0 | 843.0 | 8 |
| 6,400 - 12,800 | 47 | 0.0 | 110.5 | 6.7 | 7,026.0 | 150.6 | 9,569.8 | 40 | 0.0 | 600.8 | 3.1 | 45,277.5 | 11.9 | 895.8 | 87 | 122.4 | 751.4 | 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 |
| **Total** | **373,749** | **100.0** | **1,642.3** | **100.0** | **12.4** | **1,564.3** | **11.8** | **476,983** | **100.0** | **19,242.8** | **100.0** | **115.6** | **200.3** | **1.2** | **850,732** | **1,842.6** | **20,807.1** | **16,701** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 144,511 | 38.9 | 17.0 | 1.0 | 0.3 | 5.4 | 0.1 | 114,773 | 23.2 | 97.1 | 0.5 | 2.4 | 0.8 | 0.0 | 259,284 | 17.8 | 102.5 | 819 |
| 1 - 2 | 46,191 | 12.4 | 22.6 | 1.4 | 1.4 | 9.0 | 0.5 | 56,490 | 11.4 | 167.9 | 0.8 | 8.3 | 1.5 | 0.1 | 102,681 | 24.1 | 176.9 | 584 |
| 2 - 4 | 49,488 | 13.3 | 47.3 | 2.9 | 2.7 | 22.6 | 1.3 | 66,589 | 13.5 | 391.8 | 2.0 | 16.6 | 3.6 | 0.2 | 116,077 | 50.9 | 414.4 | 1,072 |
| 4 - 6 | 27,343 | 7.4 | 43.5 | 2.7 | 4.5 | 26.9 | 2.8 | 44,088 | 8.9 | 438.2 | 2.2 | 28.0 | 4.3 | 0.3 | 71,431 | 47.7 | 465.1 | 970 |
| 6 - 8 | 18,392 | 5.0 | 40.7 | 2.5 | 6.2 | 27.9 | 4.3 | 32,141 | 6.5 | 449.3 | 2.3 | 39.5 | 4.2 | 0.4 | 50,533 | 45.0 | 477.2 | 865 |
| 8 - 10 | 13,093 | 3.5 | 37.4 | 2.3 | 8.0 | 25.8 | 5.5 | 24,896 | 5.0 | 448.3 | 2.3 | 50.9 | 4.1 | 0.5 | 37,989 | 41.4 | 474.1 | 787 |
| **Subtotal <=10** | **299,018** | **80.4** | **208.5** | **12.7** | **2.0** | **117.6** | **1.1** | **338,977** | **68.6** | **1,992.7** | **10.0** | **16.6** | **18.4** | **0.2** | **637,995** | **226.9** | **2,110.3** | **5,097** |
| 10 - 12 | 9,484 | 2.6 | 32.7 | 2.0 | 9.8 | 23.9 | 7.1 | 19,160 | 3.9 | 423.1 | 2.1 | 62.5 | 3.7 | 0.6 | 28,644 | 36.5 | 446.9 | 705 |
| 12 - 15 | 10,927 | 2.9 | 46.7 | 2.9 | 12.1 | 31.0 | 8.0 | 21,191 | 4.3 | 571.1 | 2.9 | 76.4 | 5.1 | 0.7 | 32,118 | 51.8 | 602.1 | 956 |
| **Subtotal <=15** | **319,429** | **85.9** | **287.9** | **17.6** | **2.5** | **172.4** | **1.5** | **379,328** | **76.7** | **2,986.9** | **15.0** | **22.2** | **27.3** | **0.2** | **698,757** | **315.1** | **3,159.3** | **6,758** |
| 15 - 20 | 12,110 | 3.3 | 66.4 | 4.1 | 15.6 | 43.9 | 10.3 | 23,385 | 4.7 | 808.8 | 4.1 | 98.5 | 7.2 | 0.9 | 35,495 | 73.6 | 852.7 | 1,331 |
| 20 - 25 | 8,112 | 2.2 | 56.2 | 3.4 | 20.0 | 39.6 | 14.1 | 15,088 | 3.1 | 672.1 | 3.4 | 127.3 | 5.9 | 1.1 | 23,200 | 62.1 | 711.7 | 1,083 |
| 25 - 30 | 5,616 | 1.5 | 47.3 | 2.9 | 24.5 | 33.7 | 17.4 | 10,777 | 2.2 | 583.5 | 2.9 | 156.3 | 5.1 | 1.4 | 16,393 | 52.3 | 617.2 | 942 |
| 30 - 40 | 7,329 | 2.0 | 76.3 | 4.7 | 30.7 | 55.6 | 22.4 | 14,511 | 2.9 | 983.6 | 4.9 | 197.2 | 8.5 | 1.7 | 21,840 | 84.8 | 1,039.2 | 1,468 |
| 40 - 50 | 4,375 | 1.2 | 57.7 | 3.5 | 39.6 | 43.8 | 30.1 | 9,168 | 1.9 | 791.4 | 4.0 | 255.0 | 6.8 | 2.2 | 13,543 | 64.5 | 835.2 | 1,115 |
| 50 - 100 | 7,960 | 2.1 | 158.0 | 9.6 | 60.4 | 127.1 | 48.6 | 20,883 | 4.2 | 2,726.9 | 13.7 | 399.8 | 22.1 | 3.2 | 28,843 | 180.1 | 2,854.0 | 3,546 |
| **Subtotal <=100** | **364,931** | **98.2** | **749.7** | **45.7** | **5.8** | **516.0** | **4.0** | **473,140** | **95.7** | **9,553.3** | **47.9** | **57.3** | **82.9** | **0.5** | **838,071** | **832.5** | **10,069.2** | **16,243** |
| 100 - 200 | 3,490 | 0.9 | 136.0 | 8.3 | 120.6 | 120.3 | 106.7 | 12,722 | 2.6 | 3,047.6 | 15.3 | 799.4 | 22.3 | 5.9 | 16,212 | 158.3 | 3,168.0 | 3,050 |
| 200 - 400 | 1,721 | 0.5 | 137.5 | 8.4 | 240.7 | 130.1 | 227.9 | 5,603 | 1.1 | 2,388.3 | 12.0 | 1,539.9 | 22.7 | 14.6 | 7,324 | 160.2 | 2,518.4 | 1,636 |
| 400 - 800 | 920 | 0.3 | 140.0 | 8.5 | 456.0 | 168.9 | 550.2 | 2,000 | 0.4 | 1,612.5 | 8.1 | 3,037.0 | 20.2 | 38.1 | 2,920 | 160.2 | 1,781.3 | 434 |
| 800 - 1,600 | 394 | 0.1 | 114.9 | 7.0 | 896.5 | 152.7 | 1,191.4 | 700 | 0.1 | 1,169.4 | 5.9 | 6,018.4 | 15.9 | 81.8 | 1,094 | 130.8 | 1,322.1 | 72 |
| 1,600 - 3,200 | 165 | 0.0 | 98.6 | 6.0 | 1,827.4 | 133.0 | 2,463.7 | 225 | 0.1 | 822.6 | 4.1 | 12,012.9 | 12.9 | 188.8 | 390 | 111.6 | 955.6 | 16 |
| 3,200 - 6,400 | 85 | 0.0 | 98.4 | 6.0 | 3,654.6 | 128.8 | 4,779.9 | 88 | 0.0 | 674.5 | 3.4 | 24,353.8 | 10.1 | 364.2 | 173 | 108.5 | 803.3 | 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 |
| **Total** | **371,764** | **100.0** | **1,639.4** | **100.0** | **12.4** | **1,566.6** | **11.9** | **494,530** | **100.0** | **19,966.7** | **100.0** | **115.5** | **201.0** | **1.2** | **866,294** | **1,840.4** | **21,533.4** | **21,461** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 151,813 | 39.1 | 17.7 | 1.1 | 0.3 | 6.3 | 0.1 | 128,794 | 24.0 | 106.8 | 0.5 | 2.3 | 1.0 | 0.0 | 280,607 | 18.7 | 113.1 | 923 |
| 1 - 2 | 49,554 | 12.8 | 23.9 | 1.5 | 1.4 | 10.7 | 0.6 | 62,287 | 11.6 | 185.4 | 0.9 | 8.3 | 1.6 | 0.1 | 111,841 | 25.5 | 196.1 | 736 |
| 2 - 4 | 51,321 | 13.2 | 49.0 | 3.0 | 2.7 | 24.5 | 1.3 | 73,070 | 13.6 | 431.3 | 2.0 | 16.5 | 4.0 | 0.2 | 124,391 | 53.0 | 455.8 | 1,251 |
| 4 - 6 | 28,391 | 7.3 | 44.8 | 2.8 | 4.4 | 28.8 | 2.9 | 47,359 | 8.8 | 472.7 | 2.2 | 28.0 | 4.6 | 0.3 | 75,750 | 49.4 | 501.4 | 1,130 |
| 6 - 8 | 18,709 | 4.8 | 41.4 | 2.6 | 6.2 | 28.3 | 4.3 | 34,378 | 6.4 | 484.4 | 2.3 | 39.6 | 4.4 | 0.4 | 53,087 | 45.8 | 512.7 | 1,064 |
| 8 - 10 | 13,162 | 3.4 | 37.3 | 2.3 | 8.0 | 26.2 | 5.6 | 25,459 | 4.8 | 461.8 | 2.2 | 51.0 | 4.2 | 0.5 | 38,621 | 41.5 | 488.0 | 985 |
| **Subtotal <=10** | **312,950** | **80.6** | **214.1** | **13.2** | **1.9** | **124.8** | **1.1** | **371,347** | **69.3** | **2,142.3** | **10.1** | **16.2** | **19.8** | **0.2** | **684,297** | **233.9** | **2,267.0** | **6,089** |
| 10 - 12 | 10,165 | 2.6 | 35.0 | 2.2 | 9.8 | 24.8 | 6.9 | 19,487 | 3.6 | 433.1 | 2.1 | 62.4 | 3.9 | 0.6 | 29,652 | 38.9 | 457.9 | 818 |
| 12 - 15 | 11,239 | 2.9 | 47.8 | 3.0 | 12.1 | 31.8 | 8.0 | 21,650 | 4.0 | 585.4 | 2.8 | 76.3 | 5.5 | 0.7 | 32,889 | 53.3 | 617.1 | 1,162 |
| **Subtotal <=15** | **334,354** | **86.1** | **297.0** | **18.4** | **2.5** | **181.3** | **1.5** | **412,484** | **77.0** | **3,160.7** | **15.0** | **21.5** | **29.2** | **0.2** | **746,838** | **326.1** | **3,342.1** | **8,069** |
| 15 - 20 | 12,448 | 3.2 | 67.2 | 4.2 | 15.5 | 46.6 | 10.7 | 24,284 | 4.5 | 842.4 | 4.0 | 98.5 | 7.6 | 0.9 | 36,732 | 74.8 | 889.0 | 1,638 |
| 20 - 25 | 8,253 | 2.1 | 57.0 | 3.5 | 20.0 | 40.2 | 14.1 | 15,986 | 3.0 | 715.5 | 3.4 | 127.4 | 6.3 | 1.1 | 24,239 | 63.3 | 755.7 | 1,529 |
| 25 - 30 | 5,933 | 1.5 | 49.3 | 3.1 | 24.4 | 36.5 | 18.1 | 11,401 | 2.1 | 619.0 | 2.9 | 155.9 | 5.5 | 1.4 | 17,334 | 54.7 | 655.5 | 1,156 |
| 30 - 40 | 7,632 | 2.0 | 78.6 | 4.9 | 30.7 | 59.3 | 23.1 | 15,292 | 2.9 | 1,040.8 | 4.9 | 197.5 | 9.0 | 1.7 | 22,924 | 87.6 | 1,100.1 | 1,994 |
| 40 - 50 | 4,459 | 1.2 | 58.3 | 3.6 | 39.6 | 43.7 | 29.7 | 9,964 | 1.9 | 867.3 | 4.1 | 255.1 | 7.5 | 2.2 | 14,423 | 65.7 | 910.9 | 1,521 |
| 50 - 100 | 8,335 | 2.2 | 160.7 | 9.9 | 60.0 | 135.8 | 50.7 | 22,668 | 4.2 | 3,006.1 | 14.2 | 402.2 | 23.1 | 3.1 | 31,003 | 183.8 | 3,141.9 | 4,873 |
| **Subtotal <=100** | **381,414** | **98.2** | **768.1** | **47.5** | **5.7** | **543.4** | **4.0** | **512,079** | **95.6** | **10,251.9** | **48.5** | **56.6** | **88.1** | **0.5** | **893,493** | **856.2** | **10,795.3** | **20,780** |
| 100 - 200 | 3,759 | 1.0 | 142.1 | 8.8 | 120.1 | 125.0 | 105.6 | 14,235 | 2.7 | 3,429.9 | 16.2 | 801.2 | 23.6 | 5.5 | 17,994 | 165.7 | 3,554.9 | 4,196 |
| 200 - 400 | 1,725 | 0.4 | 130.7 | 8.1 | 237.8 | 129.0 | 234.8 | 6,391 | 1.2 | 2,736.2 | 12.9 | 1,550.0 | 22.7 | 12.9 | 8,116 | 153.4 | 2,865.2 | 2,543 |
| 400 - 800 | 944 | 0.2 | 144.1 | 8.9 | 466.2 | 165.8 | 536.3 | 2,079 | 0.4 | 1,624.3 | 7.7 | 3,029.8 | 19.8 | 36.9 | 3,023 | 163.9 | 1,790.0 | 728 |
| 800 - 1,600 | 412 | 0.1 | 118.3 | 7.3 | 902.2 | 156.6 | 1,193.9 | 630 | 0.1 | 982.4 | 4.7 | 5,875.7 | 14.5 | 86.8 | 1,042 | 132.8 | 1,139.0 | 133 |
| 1,600 - 3,200 | 133 | 0.0 | 79.2 | 4.9 | 1,764.0 | 104.6 | 2,328.5 | 231 | 0.0 | 774.5 | 3.7 | 11,979.2 | 10.0 | 155.3 | 364 | 89.3 | 879.0 | 22 |
| 3,200 - 6,400 | 64 | 0.0 | 81.4 | 5.0 | 3,765.9 | 98.4 | 4,551.2 | 83 | 0.0 | 669.8 | 3.2 | 24,808.5 | 10.6 | 391.3 | 147 | 92.0 | 768.2 | 7 |
| 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 |
| **Total** | **388,505** | **100.0** | **1,617.8** | **100.0** | **11.8** | **1,475.9** | **10.7** | **535,767** | **100.0** | **21,148.3** | **100.0** | **112.5** | **201.7** | **1.1** | **924,272** | **1,819.4** | **22,624.1** | **28,409** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 154,608 | 40.0 | 17.9 | 1.0 | 0.3 | 6.4 | 0.1 | 131,615 | 24.3 | 109.5 | 0.5 | 2.4 | 1.0 | 0.0 | 286,223 | 18.9 | 116.0 | 1,098 |
| 1 - 2 | 48,697 | 12.6 | 23.6 | 1.4 | 1.4 | 10.1 | 0.6 | 63,732 | 11.8 | 190.0 | 0.9 | 8.3 | 1.6 | 0.1 | 112,429 | 25.2 | 200.1 | 746 |
| 2 - 4 | 51,080 | 13.2 | 48.5 | 2.8 | 2.7 | 24.7 | 1.4 | 74,822 | 13.8 | 444.7 | 2.1 | 16.6 | 4.0 | 0.1 | 125,902 | 52.5 | 469.4 | 1,314 |
| 4 - 6 | 28,121 | 7.3 | 44.6 | 2.6 | 4.5 | 28.3 | 2.8 | 47,851 | 8.8 | 480.9 | 2.2 | 28.0 | 4.7 | 0.3 | 75,972 | 49.3 | 509.2 | 1,283 |
| 6 - 8 | 18,326 | 4.7 | 40.5 | 2.3 | 6.2 | 28.3 | 4.3 | 34,996 | 6.5 | 495.9 | 2.3 | 39.5 | 4.6 | 0.4 | 53,322 | 45.1 | 524.2 | 1,117 |
| 8 - 10 | 13,095 | 3.4 | 37.1 | 2.1 | 8.0 | 27.5 | 5.9 | 25,667 | 4.7 | 469.4 | 2.2 | 50.9 | 4.2 | 0.5 | 38,762 | 41.4 | 496.9 | 1,048 |
| **Subtotal <=10** | **313,927** | **81.1** | **212.3** | **12.2** | **1.9** | **125.3** | **1.1** | **378,683** | **70.0** | **2,190.5** | **10.2** | **16.2** | **20.1** | **0.1** | **692,610** | **232.3** | **2,315.8** | **6,606** |
| 10 - 12 | 9,685 | 2.5 | 33.8 | 1.9 | 9.8 | 23.4 | 6.8 | 19,336 | 3.6 | 431.8 | 2.0 | 62.2 | 4.0 | 0.6 | 29,021 | 37.9 | 455.2 | 977 |
| 12 - 15 | 10,842 | 2.8 | 46.4 | 2.7 | 12.0 | 31.7 | 8.2 | 21,831 | 4.0 | 596.8 | 2.8 | 76.2 | 5.7 | 0.7 | 32,673 | 52.1 | 628.5 | 1,299 |
| **Subtotal <=15** | **334,454** | **86.4** | **292.5** | **16.8** | **2.5** | **180.4** | **1.5** | **419,850** | **77.6** | **3,219.1** | **15.0** | **21.5** | **29.8** | **0.2** | **754,304** | **322.3** | **3,399.5** | **8,882** |
| 15 - 20 | 12,213 | 3.2 | 66.6 | 3.8 | 15.5 | 47.7 | 11.1 | 24,133 | 4.5 | 849.3 | 4.0 | 98.4 | 8.0 | 0.9 | 36,346 | 74.6 | 897.0 | 2,042 |
| 20 - 25 | 8,023 | 2.1 | 55.9 | 3.2 | 19.9 | 41.4 | 14.7 | 16,089 | 3.0 | 730.2 | 3.4 | 127.1 | 6.7 | 1.2 | 24,112 | 62.6 | 771.7 | 1,723 |
| 25 - 30 | 5,593 | 1.5 | 47.1 | 2.7 | 24.3 | 35.7 | 18.4 | 11,541 | 2.1 | 639.8 | 3.0 | 155.9 | 5.7 | 1.4 | 17,134 | 52.8 | 675.5 | 1,432 |
| 30 - 40 | 7,264 | 1.9 | 76.3 | 4.4 | 30.5 | 60.2 | 24.1 | 15,784 | 2.9 | 1,103.3 | 5.1 | 197.4 | 9.3 | 1.7 | 23,048 | 85.6 | 1,163.4 | 2,508 |
| 40 - 50 | 4,333 | 1.1 | 57.4 | 3.3 | 39.5 | 45.1 | 31.0 | 9,886 | 1.8 | 887.6 | 4.1 | 255.1 | 7.5 | 2.2 | 14,219 | 64.9 | 932.6 | 1,948 |
| 50 - 100 | 8,006 | 2.1 | 159.1 | 9.1 | 60.0 | 138.2 | 52.1 | 22,347 | 4.1 | 3,123.5 | 14.5 | 401.8 | 22.4 | 2.9 | 30,353 | 181.5 | 3,261.7 | 5,939 |
| **Subtotal <=100** | **379,886** | **98.2** | **754.9** | **43.2** | **5.6** | **548.5** | **4.1** | **519,630** | **96.0** | **10,552.8** | **49.1** | **57.0** | **89.3** | **0.5** | **899,516** | **844.2** | **11,101.4** | **24,474** |
| 100 - 200 | 3,735 | 1.0 | 146.7 | 8.4 | 120.3 | 131.2 | 107.6 | 13,014 | 2.4 | 3,454.6 | 16.1 | 798.3 | 22.3 | 5.2 | 16,749 | 169.0 | 3,585.8 | 4,807 |
| 200 - 400 | 1,802 | 0.5 | 139.5 | 8.0 | 240.1 | 134.3 | 231.1 | 5,571 | 1.0 | 2,587.6 | 12.0 | 1,546.8 | 21.5 | 12.9 | 7,373 | 161.1 | 2,721.9 | 2,751 |
| 400 - 800 | 906 | 0.2 | 132.5 | 7.6 | 457.7 | 170.0 | 587.1 | 1,989 | 0.4 | 1,650.8 | 7.7 | 3,036.5 | 18.1 | 33.4 | 2,895 | 150.7 | 1,820.8 | 939 |
| 800 - 1,600 | 393 | 0.1 | 114.0 | 6.5 | 881.5 | 160.9 | 1,243.8 | 704 | 0.1 | 1,093.4 | 5.1 | 6,104.5 | 14.7 | 82.1 | 1,097 | 128.7 | 1,254.3 | 301 |
| 1,600 - 3,200 | 135 | 0.0 | 81.5 | 4.7 | 1,828.7 | 99.8 | 2,238.0 | 261 | 0.1 | 825.5 | 3.8 | 11,999.3 | 12.6 | 183.5 | 396 | 94.1 | 925.3 | 87 |
| 3,200 - 6,400 | 66 | 0.0 | 88.6 | 5.1 | 3,967.1 | 92.2 | 4,129.2 | 69 | 0.0 | 569.2 | 2.7 | 25,314.4 | 8.6 | 380.2 | 135 | 97.1 | 661.5 | 4 |
| 6,400 - 12,800 | 47 | 0.0 | 112.5 | 6.4 | 7,435.6 | 131.6 | 8,695.8 | 37 | 0.0 | 531.4 | 2.5 | 48,244.7 | 5.2 | 476.0 | 84 | 117.8 | 663.0 | 0 |
| > 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 |
| **Total** | **387,000** | **100.0** | **1,746.8** | **100.0** | **12.7** | **1,605.4** | **11.7** | **541,284** | **100.0** | **21,492.7** | **100.0** | **112.0** | **195.7** | **1.0** | **928,284** | **1,942.5** | **23,098.1** | **33,363** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 157,997 | 39.9 | 18.3 | 1.0 | 0.3 | 7.3 | 0.1 | 138,433 | 25.0 | 114.9 | 0.5 | 2.3 | 1.1 | 0.0 | 296,430 | 19.4 | 122.2 | 1,212 |
| 1 - 2 | 50,098 | 12.7 | 24.3 | 1.4 | 1.4 | 10.4 | 0.6 | 66,102 | 11.9 | 198.0 | 0.9 | 8.3 | 1.6 | 0.1 | 116,200 | 25.9 | 208.4 | 841 |
| 2 - 4 | 50,921 | 12.9 | 48.2 | 2.7 | 2.7 | 24.7 | 1.4 | 76,341 | 13.8 | 455.5 | 2.1 | 16.6 | 4.1 | 0.1 | 127,262 | 52.3 | 480.2 | 1,500 |
| 4 - 6 | 28,478 | 7.2 | 44.9 | 2.5 | 4.4 | 29.7 | 2.9 | 48,863 | 8.8 | 492.4 | 2.2 | 28.0 | 4.7 | 0.3 | 77,341 | 49.5 | 522.1 | 1,446 |
| 6 - 8 | 18,480 | 4.7 | 40.5 | 2.3 | 6.2 | 30.0 | 4.6 | 35,111 | 6.3 | 497.5 | 2.2 | 39.4 | 4.8 | 0.4 | 53,591 | 45.3 | 527.4 | 1,315 |
| 8 - 10 | 13,087 | 3.3 | 36.8 | 2.1 | 8.0 | 26.4 | 5.7 | 25,675 | 4.6 | 468.2 | 2.1 | 50.7 | 4.5 | 0.5 | 38,762 | 41.3 | 494.6 | 1,223 |
| **Subtotal <=10** | **319,061** | **80.6** | **213.0** | **11.9** | **1.9** | **128.4** | **1.1** | **390,525** | **70.6** | **2,226.5** | **10.0** | **15.9** | **20.7** | **0.1** | **709,586** | **233.7** | **2,354.9** | **7,537** |
| 10 - 12 | 9,866 | 2.5 | 33.8 | 1.9 | 9.7 | 25.3 | 7.3 | 19,399 | 3.5 | 432.3 | 2.0 | 62.1 | 4.3 | 0.6 | 29,265 | 38.1 | 457.6 | 1,195 |
| 12 - 15 | 10,996 | 2.8 | 46.1 | 2.6 | 11.9 | 34.3 | 8.9 | 21,719 | 3.9 | 593.6 | 2.7 | 76.1 | 5.7 | 0.7 | 32,715 | 51.8 | 627.9 | 1,574 |
| **Subtotal <=15** | **339,923** | **85.9** | **292.8** | **16.3** | **2.4** | **188.1** | **1.6** | **431,643** | **78.0** | **3,252.3** | **14.6** | **21.0** | **30.8** | **0.2** | **771,566** | **323.6** | **3,440.4** | **10,306** |
| 15 - 20 | 12,270 | 3.1 | 65.9 | 3.7 | 15.4 | 48.2 | 11.3 | 24,372 | 4.4 | 856.3 | 3.9 | 98.2 | 8.3 | 1.0 | 36,642 | 74.2 | 904.5 | 2,416 |
| 20 - 25 | 8,090 | 2.0 | 55.1 | 3.1 | 19.9 | 42.1 | 15.2 | 16,304 | 3.0 | 740.8 | 3.3 | 127.4 | 6.5 | 1.1 | 24,394 | 61.6 | 782.9 | 1,996 |
| 25 - 30 | 5,715 | 1.4 | 46.8 | 2.6 | 24.1 | 37.8 | 19.5 | 11,830 | 2.1 | 656.5 | 3.0 | 156.0 | 5.8 | 1.4 | 17,545 | 52.6 | 694.3 | 1,769 |
| 30 - 40 | 7,515 | 1.9 | 76.0 | 4.2 | 30.4 | 60.7 | 24.3 | 15,608 | 2.8 | 1,092.9 | 4.9 | 197.6 | 9.3 | 1.7 | 23,123 | 85.3 | 1,153.6 | 2,894 |
| 40 - 50 | 4,621 | 1.2 | 59.2 | 3.3 | 39.2 | 49.5 | 32.8 | 9,897 | 1.8 | 894.1 | 4.0 | 255.8 | 7.1 | 2.0 | 14,518 | 66.4 | 943.6 | 2,303 |
| 50 - 100 | 9,041 | 2.3 | 169.9 | 9.5 | 59.7 | 159.2 | 55.9 | 21,480 | 3.9 | 3,007.5 | 13.5 | 402.4 | 20.6 | 2.8 | 30,521 | 190.5 | 3,166.6 | 6,877 |
| **Subtotal <=100** | **387,175** | **97.8** | **765.9** | **42.7** | **5.6** | **585.5** | **4.3** | **531,134** | **96.0** | **10,500.4** | **47.3** | **55.3** | **88.3** | **0.5** | **918,309** | **854.2** | **11,085.9** | **28,561** |
| 100 - 200 | 4,403 | 1.1 | 162.2 | 9.1 | 121.1 | 143.2 | 106.9 | 12,413 | 2.2 | 3,217.6 | 14.5 | 797.4 | 21.8 | 5.4 | 16,816 | 184.1 | 3,360.9 | 5,636 |
| 200 - 400 | 2,366 | 0.6 | 160.9 | 9.0 | 237.3 | 163.9 | 241.8 | 5,765 | 1.0 | 2,599.0 | 11.7 | 1,574.6 | 21.1 | 12.8 | 8,131 | 182.0 | 2,762.9 | 3,918 |
| 400 - 800 | 1,158 | 0.3 | 149.6 | 8.4 | 456.2 | 182.5 | 556.4 | 2,537 | 0.5 | 2,000.1 | 9.0 | 3,102.6 | 19.4 | 30.1 | 3,695 | 169.0 | 2,182.6 | 1,922 |
| 800 - 1,600 | 375 | 0.1 | 104.1 | 5.8 | 889.2 | 144.7 | 1,236.2 | 1,244 | 0.2 | 1,824.5 | 8.2 | 6,230.0 | 17.4 | 59.4 | 1,619 | 121.5 | 1,969.2 | 902 |
| 1,600 - 3,200 | 127 | 0.0 | 73.9 | 4.1 | 1,839.0 | 80.6 | 2,007.5 | 265 | 0.1 | 739.9 | 3.3 | 11,679.5 | 10.5 | 166.0 | 392 | 84.4 | 820.6 | 145 |
| 3,200 - 6,400 | 69 | 0.0 | 91.1 | 5.1 | 3,937.0 | 95.7 | 4,137.9 | 80 | 0.0 | 660.9 | 3.0 | 24,823.6 | 10.2 | 382.9 | 149 | 101.2 | 756.6 | 7 |
| 6,400 - 12,800 | 40 | 0.0 | 100.2 | 5.6 | 7,316.8 | 133.1 | 9,718.7 | 26 | 0.0 | 457.4 | 2.1 | 50,115.9 | 6.1 | 670.1 | 66 | 106.3 | 590.5 | 0 |
| > 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 |
| **Total** | **395,747** | **100.0** | **1,791.7** | **100.0** | **12.9** | **1,670.5** | **12.0** | **553,472** | **100.0** | **22,208.0** | **100.0** | **113.0** | **197.7** | **1.0** | **949,219** | **1,989.4** | **23,878.5** | **41,091** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 162,270 | 39.5 | 19.0 | 1.0 | 0.3 | 7.3 | 0.1 | 144,228 | 25.6 | 119.6 | 0.5 | 2.3 | 1.1 | 0.0 | 306,498 | 20.1 | 126.9 | 1,354 |
| 1 - 2 | 51,298 | 12.5 | 24.7 | 1.3 | 1.4 | 10.9 | 0.6 | 67,916 | 12.1 | 203.4 | 0.9 | 8.3 | 1.7 | 0.1 | 119,214 | 26.4 | 214.3 | 952 |
| 2 - 4 | 53,010 | 12.9 | 49.4 | 2.7 | 2.6 | 25.7 | 1.4 | 77,838 | 13.8 | 463.3 | 2.0 | 16.5 | 4.2 | 0.2 | 130,848 | 53.7 | 488.9 | 1,786 |
| 4 - 6 | 29,112 | 7.1 | 45.6 | 2.5 | 4.4 | 30.2 | 2.9 | 49,498 | 8.8 | 499.7 | 2.1 | 28.0 | 4.8 | 0.3 | 78,610 | 50.4 | 529.9 | 1,718 |
| 6 - 8 | 18,709 | 4.6 | 40.8 | 2.2 | 6.2 | 29.9 | 4.5 | 34,728 | 6.2 | 492.4 | 2.1 | 39.4 | 4.9 | 0.4 | 53,437 | 45.6 | 522.2 | 1,581 |
| 8 - 10 | 13,143 | 3.2 | 36.8 | 2.0 | 8.0 | 27.6 | 6.0 | 25,775 | 4.6 | 471.1 | 2.0 | 50.7 | 4.6 | 0.5 | 38,918 | 41.4 | 498.7 | 1,466 |
| **Subtotal <=10** | **327,542** | **79.8** | **216.3** | **11.7** | **1.9** | **131.5** | **1.1** | **399,983** | **71.1** | **2,249.4** | **9.6** | **15.7** | **21.3** | **0.1** | **727,525** | **237.5** | **2,380.9** | **8,857** |
| 10 - 12 | 10,138 | 2.5 | 34.3 | 1.9 | 9.7 | 26.0 | 7.4 | 19,213 | 3.4 | 429.0 | 1.8 | 62.0 | 4.4 | 0.6 | 29,351 | 38.7 | 455.0 | 1,370 |
| 12 - 15 | 11,202 | 2.7 | 46.5 | 2.5 | 11.9 | 35.1 | 9.0 | 21,431 | 3.8 | 585.7 | 2.5 | 75.9 | 5.9 | 0.8 | 32,633 | 52.4 | 620.8 | 1,890 |
| **Subtotal <=15** | **348,882** | **85.0** | **297.0** | **16.1** | **2.4** | **192.6** | **1.6** | **440,627** | **78.3** | **3,264.1** | **13.9** | **20.7** | **31.5** | **0.2** | **789,509** | **328.6** | **3,456.7** | **12,117** |
| 15 - 20 | 12,712 | 3.1 | 66.8 | 3.6 | 15.3 | 52.7 | 12.0 | 24,255 | 4.3 | 855.1 | 3.6 | 98.2 | 8.2 | 0.9 | 36,967 | 75.1 | 907.7 | 2,771 |
| 20 - 25 | 8,401 | 2.1 | 56.1 | 3.0 | 19.7 | 46.0 | 16.1 | 16,516 | 2.9 | 752.3 | 3.2 | 127.2 | 6.8 | 1.2 | 24,917 | 63.0 | 798.3 | 2,310 |
| 25 - 30 | 6,066 | 1.5 | 48.5 | 2.6 | 23.9 | 41.4 | 20.4 | 11,551 | 2.1 | 643.0 | 2.7 | 155.9 | 5.8 | 1.4 | 17,617 | 54.3 | 684.4 | 2,075 |
| 30 - 40 | 8,074 | 2.0 | 79.6 | 4.3 | 30.2 | 69.4 | 26.3 | 15,268 | 2.7 | 1,072.3 | 4.6 | 197.3 | 9.0 | 1.7 | 23,342 | 88.6 | 1,141.6 | 3,372 |
| 40 - 50 | 4,936 | 1.2 | 60.8 | 3.3 | 38.7 | 55.8 | 35.5 | 9,548 | 1.7 | 861.6 | 3.7 | 255.1 | 7.0 | 2.1 | 14,484 | 67.8 | 917.4 | 2,794 |
| 50 - 100 | 10,399 | 2.5 | 191.1 | 10.4 | 59.6 | 189.7 | 59.1 | 20,736 | 3.7 | 2,901.2 | 12.4 | 400.9 | 21.5 | 3.0 | 31,135 | 212.7 | 3,090.9 | 8,503 |
| **Subtotal <=100** | **399,470** | **97.3** | **800.0** | **43.3** | **5.7** | **647.6** | **4.6** | **538,501** | **95.7** | **10,349.4** | **44.0** | **53.7** | **89.9** | **0.5** | **937,971** | **889.9** | **10,997.1** | **33,942** |
| 100 - 200 | 5,523 | 1.4 | 195.0 | 10.6 | 118.8 | 201.3 | 122.7 | 12,148 | 2.2 | 3,158.1 | 13.4 | 793.5 | 25.7 | 6.4 | 17,671 | 220.7 | 3,359.4 | 7,414 |
| 200 - 400 | 3,292 | 0.8 | 209.6 | 11.4 | 235.2 | 237.5 | 266.5 | 6,577 | 1.2 | 3,003.3 | 12.8 | 1,572.7 | 28.4 | 14.9 | 9,869 | 238.0 | 3,240.8 | 5,975 |
| 400 - 800 | 1,564 | 0.4 | 167.5 | 9.1 | 439.2 | 238.8 | 625.9 | 3,447 | 0.6 | 2,802.7 | 11.9 | 3,132.1 | 28.7 | 32.1 | 5,011 | 196.3 | 3,041.5 | 3,396 |
| 800 - 1,600 | 477 | 0.1 | 115.4 | 6.3 | 872.4 | 173.5 | 1,311.9 | 1,584 | 0.3 | 2,450.8 | 10.4 | 6,135.6 | 19.3 | 48.3 | 2,061 | 134.6 | 2,624.3 | 1,426 |
| 1,600 - 3,200 | 119 | 0.0 | 74.6 | 4.0 | 1,887.3 | 84.8 | 2,144.9 | 256 | 0.1 | 704.2 | 3.0 | 11,698.1 | 9.1 | 151.8 | 375 | 83.7 | 789.0 | 148 |
| 3,200 - 6,400 | 78 | 0.0 | 101.9 | 5.5 | 3,971.5 | 109.9 | 4,284.2 | 49 | 0.0 | 392.9 | 1.7 | 23,874.4 | 4.3 | 264.0 | 127 | 106.2 | 502.8 | 5 |
| 6,400 - 12,800 | 34 | 0.0 | 89.1 | 4.8 | 7,588.0 | 128.7 | 10,959.3 | 28 | 0.0 | 477.9 | 2.0 | 48,049.4 | 5.1 | 510.2 | 62 | 94.2 | 606.6 | 1 |
| > 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 |
| **Total** | **410,573** | **100.0** | **1,846.8** | **100.0** | **12.9** | **1,886.7** | **13.2** | **562,596** | **100.0** | **23,500.3** | **100.0** | **117.5** | **211.5** | **1.1** | **973,169** | **2,058.3** | **25,387.0** | **52,307** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 165,654 | 38.8 | 19.5 | 0.9 | 0.3 | 7.5 | 0.1 | 150,414 | 26.6 | 124.7 | 0.5 | 2.3 | 1.2 | 0.0 | 316,068 | 20.8 | 132.2 | 1,527 |
| 1 - 2 | 52,341 | 12.3 | 25.5 | 1.2 | 1.4 | 11.1 | 0.6 | 69,191 | 12.2 | 207.1 | 0.9 | 8.3 | 1.7 | 0.1 | 121,532 | 27.2 | 218.2 | 1,089 |
| 2 - 4 | 54,289 | 12.7 | 51.1 | 2.4 | 2.6 | 26.4 | 1.4 | 77,563 | 13.7 | 461.0 | 1.9 | 16.5 | 4.4 | 0.2 | 131,852 | 55.5 | 487.3 | 2,073 |
| 4 - 6 | 29,497 | 6.9 | 46.5 | 2.2 | 4.4 | 30.8 | 2.9 | 48,929 | 8.6 | 494.0 | 2.1 | 28.0 | 5.0 | 0.3 | 78,426 | 51.4 | 524.8 | 1,895 |
| 6 - 8 | 19,022 | 4.5 | 41.9 | 2.0 | 6.2 | 30.0 | 4.4 | 34,073 | 6.0 | 483.9 | 2.0 | 39.3 | 5.0 | 0.4 | 53,095 | 46.9 | 513.9 | 1,858 |
| 8 - 10 | 13,597 | 3.2 | 38.3 | 1.8 | 8.0 | 28.6 | 6.0 | 24,578 | 4.3 | 449.3 | 1.9 | 50.6 | 4.7 | 0.5 | 38,175 | 42.9 | 477.9 | 1,676 |
| **Subtotal <=10** | **334,400** | **78.4** | **222.8** | **10.4** | **1.9** | **134.4** | **1.1** | **404,748** | **71.5** | **2,220.0** | **9.2** | **15.3** | **22.0** | **0.2** | **739,148** | **244.8** | **2,354.4** | **10,118** |
| 10 - 12 | 10,455 | 2.5 | 35.7 | 1.7 | 9.7 | 27.2 | 7.4 | 19,155 | 3.4 | 428.0 | 1.8 | 61.8 | 4.5 | 0.7 | 29,610 | 40.3 | 455.2 | 1,495 |
| 12 - 15 | 11,624 | 2.7 | 48.6 | 2.3 | 11.9 | 37.7 | 9.2 | 21,046 | 3.7 | 575.9 | 2.4 | 75.8 | 6.0 | 0.8 | 32,670 | 54.6 | 613.6 | 2,157 |
| **Subtotal <=15** | **356,479** | **83.5** | **307.2** | **14.4** | **2.4** | **199.3** | **1.6** | **444,949** | **78.6** | **3,223.9** | **13.4** | **20.2** | **32.5** | **0.2** | **801,428** | **339.6** | **3,423.2** | **13,770** |
| 15 - 20 | 13,212 | 3.1 | 69.9 | 3.3 | 15.2 | 56.7 | 12.4 | 23,996 | 4.2 | 847.0 | 3.5 | 98.0 | 8.6 | 1.0 | 37,208 | 78.5 | 903.7 | 3,133 |
| 20 - 25 | 9,066 | 2.1 | 60.7 | 2.8 | 19.5 | 52.6 | 16.9 | 15,981 | 2.8 | 729.9 | 3.0 | 126.8 | 6.9 | 1.2 | 25,047 | 67.6 | 782.5 | 2,728 |
| 25 - 30 | 6,345 | 1.5 | 51.2 | 2.4 | 23.8 | 45.4 | 21.1 | 11,422 | 2.0 | 639.3 | 2.7 | 155.7 | 5.7 | 1.4 | 17,767 | 57.0 | 684.7 | 2,376 |
| 30 - 40 | 8,610 | 2.0 | 85.7 | 4.0 | 29.9 | 79.9 | 27.9 | 14,964 | 2.6 | 1,055.2 | 4.4 | 196.7 | 9.6 | 1.8 | 23,574 | 95.3 | 1,135.0 | 4,144 |
| 40 - 50 | 5,362 | 1.3 | 67.1 | 3.1 | 38.5 | 64.2 | 36.9 | 9,297 | 1.6 | 846.0 | 3.5 | 255.2 | 7.2 | 2.2 | 14,659 | 74.3 | 910.2 | 3,298 |
| 50 - 100 | 11,994 | 2.8 | 220.9 | 10.3 | 59.1 | 237.7 | 63.6 | 20,553 | 3.6 | 2,895.3 | 12.0 | 398.1 | 26.4 | 3.6 | 32,547 | 247.2 | 3,133.0 | 10,783 |
| **Subtotal <=100** | **411,068** | **96.3** | **862.8** | **40.4** | **5.9** | **735.8** | **5.1** | **541,162** | **95.5** | **10,236.6** | **42.6** | **52.7** | **96.8** | **0.5** | **952,230** | **959.6** | **10,972.4** | **40,232** |
| 100 - 200 | 7,378 | 1.7 | 258.1 | 12.1 | 117.7 | 298.0 | 135.9 | 12,582 | 2.2 | 3,368.8 | 14.0 | 793.8 | 33.9 | 8.0 | 19,960 | 292.0 | 3,666.9 | 10,617 |
| 200 - 400 | 5,096 | 1.2 | 305.8 | 14.3 | 228.4 | 397.5 | 296.9 | 7,402 | 1.3 | 3,530.9 | 14.7 | 1,553.4 | 41.6 | 18.3 | 12,498 | 347.4 | 3,928.4 | 9,072 |
| 400 - 800 | 2,333 | 0.6 | 230.3 | 10.8 | 432.1 | 353.7 | 663.8 | 3,694 | 0.7 | 3,262.4 | 13.6 | 3,099.9 | 34.6 | 32.9 | 6,027 | 264.9 | 3,616.2 | 4,661 |
| 800 - 1,600 | 619 | 0.2 | 131.9 | 6.2 | 835.1 | 214.9 | 1,360.8 | 1,319 | 0.2 | 2,187.9 | 9.1 | 6,051.5 | 16.9 | 46.7 | 1,938 | 148.8 | 2,402.8 | 1,357 |
| 1,600 - 3,200 | 131 | 0.0 | 72.9 | 3.4 | 1,878.8 | 82.1 | 2,114.4 | 215 | 0.0 | 621.0 | 2.6 | 11,897.1 | 6.8 | 130.3 | 346 | 79.7 | 703.0 | 138 |
| 3,200 - 6,400 | 76 | 0.0 | 98.7 | 4.6 | 3,688.9 | 102.9 | 3,845.4 | 51 | 0.0 | 414.1 | 1.7 | 25,425.9 | 4.9 | 303.1 | 127 | 103.6 | 517.0 | 8 |
| 6,400 - 12,800 | 39 | 0.0 | 104.5 | 4.9 | 7,684.2 | 151.6 | 11,146.3 | 22 | 0.0 | 354.4 | 1.5 | 48,618.1 | 2.4 | 327.9 | 61 | 106.9 | 506.1 | 1 |
| > 12,800 | 15 | 0.0 | 71.9 | 3.4 | 14,733.0 | 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 |
| **Total** | **426,755** | **100.0** | **2,136.8** | **100.0** | **14.3** | **2,395.1** | **16.0** | **566,450** | **100.0** | **24,039.4** | **100.0** | **118.8** | **237.9** | **1.2** | **993,205** | **2,374.8** | **26,434.5** | **66,087** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 171,829 | 38.7 | 20.0 | 0.8 | 0.3 | 7.5 | 0.1 | 152,079 | 26.9 | 125.3 | 0.5 | 2.3 | 1.2 | 0.0 | 323,908 | 21.2 | 132.8 | 1,804 |
| 1 - 2 | 53,697 | 12.1 | 25.9 | 1.1 | 1.4 | 11.3 | 0.6 | 69,138 | 12.2 | 207.1 | 0.9 | 8.3 | 1.8 | 0.1 | 122,835 | 27.7 | 218.4 | 1,209 |
| 2 - 4 | 54,275 | 12.2 | 51.0 | 2.1 | 2.6 | 26.3 | 1.4 | 77,664 | 13.8 | 461.8 | 1.9 | 16.5 | 4.5 | 0.2 | 131,939 | 55.5 | 488.0 | 2,325 |
| 4 - 6 | 30,135 | 6.8 | 47.4 | 1.9 | 4.4 | 31.4 | 2.9 | 48,347 | 8.6 | 486.5 | 2.0 | 27.9 | 5.1 | 0.3 | 78,482 | 52.5 | 517.9 | 2,135 |
| 6 - 8 | 19,294 | 4.4 | 42.3 | 1.7 | 6.2 | 30.6 | 4.5 | 33,550 | 5.9 | 475.7 | 2.0 | 39.2 | 5.1 | 0.4 | 52,844 | 47.3 | 506.3 | 2,117 |
| 8 - 10 | 13,751 | 3.1 | 38.6 | 1.6 | 8.0 | 29.1 | 6.0 | 24,272 | 4.3 | 441.9 | 1.8 | 50.4 | 4.8 | 0.6 | 38,023 | 43.4 | 471.0 | 1,865 |
| **Subtotal <=10** | **342,981** | **77.3** | **225.3** | **9.2** | **1.9** | **136.2** | **1.1** | **405,050** | **71.7** | **2,198.3** | **9.2** | **15.1** | **22.4** | **0.2** | **748,031** | **247.7** | **2,334.5** | **11,455** |
| 10 - 12 | 10,515 | 2.4 | 35.9 | 1.5 | 9.7 | 27.6 | 7.5 | 18,577 | 3.3 | 414.5 | 1.7 | 61.8 | 4.5 | 0.7 | 29,092 | 40.5 | 442.1 | 1,775 |
| 12 - 15 | 11,969 | 2.7 | 49.7 | 2.0 | 11.8 | 39.7 | 9.4 | 20,531 | 3.6 | 561.7 | 2.3 | 75.7 | 6.0 | 0.8 | 32,500 | 55.7 | 601.4 | 2,471 |
| **Subtotal <=15** | **365,465** | **82.3** | **310.9** | **12.7** | **2.4** | **203.4** | **1.6** | **444,158** | **78.7** | **3,174.6** | **13.2** | **19.9** | **32.9** | **0.2** | **809,623** | **343.9** | **3,378.0** | **15,701** |
| 15 - 20 | 13,521 | 3.1 | 71.5 | 2.9 | 15.2 | 59.8 | 12.7 | 23,466 | 4.2 | 830.7 | 3.5 | 98.1 | 8.1 | 1.0 | 36,987 | 79.6 | 890.5 | 3,455 |
| 20 - 25 | 9,073 | 2.0 | 61.2 | 2.5 | 19.5 | 53.6 | 17.1 | 15,550 | 2.8 | 709.2 | 3.0 | 126.5 | 7.1 | 1.3 | 24,623 | 68.2 | 762.8 | 3,137 |
| 25 - 30 | 6,565 | 1.5 | 53.3 | 2.2 | 23.8 | 48.8 | 21.8 | 10,986 | 2.0 | 612.8 | 2.6 | 155.2 | 6.0 | 1.5 | 17,551 | 59.3 | 661.6 | 2,803 |
| 30 - 40 | 9,064 | 2.0 | 90.7 | 3.7 | 29.8 | 88.1 | 28.9 | 14,572 | 2.6 | 1,022.9 | 4.3 | 195.9 | 10.0 | 1.9 | 23,636 | 100.6 | 1,111.0 | 4,954 |
| 40 - 50 | 5,895 | 1.3 | 74.8 | 3.1 | 38.2 | 75.0 | 38.4 | 9,044 | 1.6 | 818.1 | 3.4 | 252.9 | 8.3 | 2.6 | 14,939 | 83.1 | 893.1 | 4,142 |
| 50 - 100 | 13,849 | 3.1 | 262.0 | 10.7 | 59.0 | 308.7 | 69.5 | 20,807 | 3.7 | 2,910.0 | 12.1 | 394.3 | 32.1 | 4.3 | 34,656 | 294.1 | 3,218.7 | 14,455 |
| **Subtotal <=100** | **423,432** | **95.4** | **924.3** | **37.8** | **6.2** | **837.5** | **5.6** | **538,583** | **95.4** | **10,078.2** | **42.0** | **52.1** | **104.4** | **0.5** | **962,015** | **1,028.7** | **10,915.7** | **48,647** |
| 100 - 200 | 9,648 | 2.2 | 344.1 | 14.1 | 116.2 | 443.1 | 149.7 | 13,116 | 2.3 | 3,501.9 | 14.6 | 778.7 | 44.9 | 10.0 | 22,764 | 389.0 | 3,945.0 | 14,512 |
| 200 - 400 | 6,676 | 1.5 | 393.8 | 16.1 | 223.4 | 571.3 | 324.1 | 7,746 | 1.4 | 3,691.3 | 15.4 | 1,520.3 | 56.2 | 23.1 | 14,422 | 450.0 | 4,262.6 | 11,394 |
| 400 - 800 | 3,139 | 0.7 | 304.2 | 12.4 | 423.9 | 500.3 | 697.1 | 3,599 | 0.6 | 3,033.0 | 12.6 | 3,004.1 | 42.9 | 42.5 | 6,738 | 347.1 | 3,533.2 | 5,335 |
| 800 - 1,600 | 694 | 0.2 | 140.3 | 5.7 | 849.3 | 220.9 | 1,337.8 | 1,308 | 0.2 | 2,050.0 | 8.5 | 6,102.7 | 18.2 | 54.2 | 2,002 | 158.5 | 2,271.0 | 1,483 |
| 1,600 - 3,200 | 127 | 0.0 | 75.0 | 3.1 | 1,881.9 | 79.5 | 1,994.2 | 277 | 0.1 | 760.7 | 3.2 | 11,749.0 | 6.1 | 94.3 | 404 | 81.1 | 840.2 | 209 |
| 3,200 - 6,400 | 70 | 0.0 | 87.4 | 3.6 | 3,682.0 | 95.0 | 4,001.3 | 54 | 0.0 | 408.1 | 1.7 | 25,444.6 | 3.9 | 240.1 | 124 | 91.2 | 503.1 | 19 |
| 6,400 - 12,800 | 42 | 0.0 | 106.2 | 4.4 | 7,427.8 | 131.4 | 9,184.0 | 28 | 0.0 | 437.7 | 1.8 | 46,569.4 | 3.1 | 331.9 | 70 | 109.4 | 569.1 | 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 |
| **Total** | **443,842** | **100.0** | **2,444.5** | **100.0** | **15.8** | **2,948.7** | **19.0** | **564,712** | **100.0** | **23,994.9** | **100.0** | **118.8** | **279.6** | **1.4** | **1,008,554** | **2,724.2** | **26,943.6** | **81,601** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 176,202 | 38.2 | 20.3 | 0.7 | 0.3 | 7.9 | 0.1 | 160,531 | 28.0 | 129.6 | 0.5 | 2.3 | 1.3 | 0.0 | 336,733 | 21.5 | 137.5 | 2,080 |
| 1 - 2 | 54,960 | 11.9 | 26.5 | 0.9 | 1.4 | 11.6 | 0.6 | 69,461 | 12.1 | 207.6 | 0.8 | 8.3 | 1.8 | 0.1 | 124,421 | 28.3 | 219.2 | 1,341 |
| 2 - 4 | 54,685 | 11.9 | 51.3 | 1.8 | 2.6 | 26.7 | 1.4 | 77,034 | 13.5 | 456.8 | 1.8 | 16.4 | 4.5 | 0.2 | 131,719 | 55.8 | 483.5 | 2,604 |
| 4 - 6 | 30,904 | 6.7 | 48.4 | 1.7 | 4.4 | 32.2 | 2.9 | 48,348 | 8.4 | 485.2 | 1.9 | 27.8 | 5.2 | 0.3 | 79,252 | 53.6 | 517.3 | 2,384 |
| 6 - 8 | 19,664 | 4.3 | 42.9 | 1.5 | 6.2 | 31.8 | 4.6 | 33,158 | 5.8 | 468.9 | 1.9 | 39.1 | 5.0 | 0.4 | 52,822 | 48.0 | 500.7 | 2,335 |
| 8 - 10 | 14,244 | 3.1 | 39.9 | 1.4 | 7.9 | 30.3 | 6.0 | 24,009 | 4.2 | 437.7 | 1.8 | 50.4 | 4.7 | 0.5 | 38,253 | 44.7 | 468.0 | 2,118 |
| **Subtotal <=10** | **350,659** | **76.0** | **229.3** | **8.0** | **1.8** | **140.4** | **1.1** | **412,541** | **72.0** | **2,185.8** | **8.8** | **14.7** | **22.5** | **0.2** | **763,200** | **251.9** | **2,326.2** | **12,862** |
| 10 - 12 | 10,934 | 2.4 | 37.1 | 1.3 | 9.7 | 29.1 | 7.6 | 18,018 | 3.2 | 402.0 | 1.6 | 61.7 | 4.4 | 0.7 | 28,952 | 41.5 | 431.1 | 2,075 |
| 12 - 15 | 12,128 | 2.6 | 50.2 | 1.8 | 11.8 | 41.0 | 9.7 | 20,060 | 3.5 | 548.8 | 2.2 | 75.8 | 5.8 | 0.8 | 32,188 | 56.0 | 589.9 | 2,758 |
| **Subtotal <=15** | **373,721** | **81.0** | **316.7** | **11.1** | **2.4** | **210.5** | **1.6** | **450,619** | **78.7** | **3,136.6** | **12.6** | **19.4** | **32.7** | **0.2** | **824,340** | **349.3** | **3,347.1** | **17,695** |
| 15 - 20 | 13,914 | 3.0 | 73.8 | 2.6 | 15.2 | 63.6 | 13.1 | 23,251 | 4.1 | 819.6 | 3.3 | 97.8 | 8.5 | 1.0 | 37,165 | 82.3 | 883.2 | 4,135 |
| 20 - 25 | 9,540 | 2.1 | 64.0 | 2.2 | 19.4 | 58.6 | 17.7 | 15,478 | 2.7 | 702.4 | 2.8 | 126.2 | 7.3 | 1.3 | 25,018 | 71.3 | 760.9 | 3,871 |
| 25 - 30 | 7,127 | 1.5 | 57.8 | 2.0 | 23.7 | 53.7 | 22.1 | 10,866 | 1.9 | 603.4 | 2.4 | 154.4 | 6.3 | 1.6 | 17,993 | 64.0 | 657.2 | 3,543 |
| 30 - 40 | 9,448 | 2.1 | 94.7 | 3.3 | 29.5 | 99.6 | 31.0 | 14,447 | 2.5 | 1,010.3 | 4.1 | 194.8 | 11.0 | 2.1 | 23,895 | 105.7 | 1,109.9 | 6,216 |
| 40 - 50 | 6,542 | 1.4 | 83.2 | 2.9 | 37.9 | 88.8 | 40.5 | 9,350 | 1.6 | 839.1 | 3.4 | 250.6 | 9.9 | 2.9 | 15,892 | 93.1 | 928.0 | 5,409 |
| 50 - 100 | 15,983 | 3.5 | 308.6 | 10.8 | 58.4 | 392.3 | 74.3 | 21,828 | 3.8 | 3,052.7 | 12.2 | 392.6 | 41.6 | 5.3 | 37,811 | 350.2 | 3,444.9 | 18,687 |
| **Subtotal <=100** | **436,275** | **94.5** | **998.9** | **34.9** | **6.5** | **967.1** | **6.3** | **545,839** | **95.3** | **10,164.2** | **40.7** | **51.8** | **117.1** | **0.6** | **982,114** | **1,116.0** | **11,131.3** | **59,556** |
| 100 - 200 | 11,569 | 2.5 | 415.3 | 14.5 | 114.4 | 577.2 | 159.0 | 13,660 | 2.4 | 3,590.9 | 14.4 | 761.7 | 57.0 | 12.1 | 25,229 | 472.3 | 4,168.1 | 17,632 |
| 200 - 400 | 8,320 | 1.8 | 494.7 | 17.3 | 221.6 | 765.2 | 342.9 | 7,250 | 1.3 | 3,448.3 | 13.8 | 1,496.5 | 63.9 | 27.7 | 15,570 | 558.6 | 4,213.5 | 12,654 |
| 400 - 800 | 4,249 | 0.9 | 387.6 | 13.6 | 421.3 | 645.6 | 701.7 | 4,085 | 0.7 | 3,449.4 | 13.8 | 2,997.5 | 58.1 | 50.5 | 8,334 | 445.7 | 4,095.0 | 6,978 |
| 800 - 1,600 | 942 | 0.2 | 166.9 | 5.8 | 822.9 | 276.0 | 1,360.7 | 1,564 | 0.3 | 2,430.4 | 9.7 | 6,093.4 | 24.9 | 62.5 | 2,506 | 191.9 | 2,706.4 | 2,012 |
| 1,600 - 3,200 | 165 | 0.0 | 82.5 | 2.9 | 1,871.1 | 89.3 | 2,025.9 | 341 | 0.1 | 924.8 | 3.7 | 11,721.9 | 5.8 | 73.0 | 506 | 88.2 | 1,014.1 | 311 |
| 3,200 - 6,400 | 70 | 0.0 | 86.9 | 3.0 | 3,817.6 | 96.9 | 4,256.8 | 71 | 0.0 | 519.1 | 2.1 | 25,764.2 | 3.9 | 193.9 | 141 | 90.8 | 616.0 | 35 |
| 6,400 - 12,800 | 54 | 0.0 | 131.1 | 4.6 | 7,463.1 | 154.2 | 8,782.0 | 26 | 0.0 | 377.0 | 1.5 | 48,586.0 | 4.9 | 635.6 | 80 | 136.0 | 531.3 | 4 |
| > 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 |
| **Total** | **461,665** | **100.0** | **2,860.5** | **100.0** | **17.8** | **3,682.7** | **23.0** | **572,838** | **100.0** | **24,964.0** | **100.0** | **121.8** | **335.7** | **1.6** | **1,034,503** | **3,196.2** | **28,646.6** | **99,182** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 179,267 | 39.2 | 20.1 | 0.7 | 0.3 | 7.6 | 0.1 | 165,448 | 29.0 | 130.0 | 0.5 | 2.2 | 1.3 | 0.0 | 344,715 | 21.3 | 137.5 | 2,394 |
| 1 - 2 | 52,499 | 11.5 | 25.2 | 0.8 | 1.4 | 10.7 | 0.6 | 67,992 | 11.9 | 202.3 | 0.8 | 8.3 | 1.7 | 0.1 | 120,491 | 26.9 | 213.1 | 1,628 |
| 2 - 4 | 52,676 | 11.5 | 49.4 | 1.6 | 2.6 | 26.7 | 1.4 | 75,483 | 13.3 | 446.2 | 1.7 | 16.4 | 4.5 | 0.2 | 128,159 | 53.8 | 472.9 | 2,973 |
| 4 - 6 | 29,598 | 6.5 | 46.4 | 1.5 | 4.4 | 31.7 | 3.0 | 46,490 | 8.2 | 465.5 | 1.8 | 27.7 | 5.1 | 0.3 | 76,088 | 51.5 | 497.1 | 2,729 |
| 6 - 8 | 19,623 | 4.3 | 43.0 | 1.4 | 6.2 | 31.9 | 4.6 | 32,163 | 5.6 | 454.8 | 1.8 | 39.1 | 5.0 | 0.4 | 51,786 | 48.0 | 486.6 | 2,586 |
| 8 - 10 | 13,719 | 3.0 | 38.6 | 1.3 | 7.9 | 30.6 | 6.3 | 23,253 | 4.1 | 424.5 | 1.6 | 50.5 | 4.5 | 0.5 | 36,972 | 43.1 | 455.1 | 2,376 |
| **Subtotal <=10** | **347,382** | **75.9** | **222.7** | **7.3** | **1.8** | **139.1** | **1.1** | **410,829** | **72.1** | **2,123.3** | **8.2** | **14.4** | **21.9** | **0.1** | **758,211** | **244.7** | **2,262.4** | **14,686** |
| 10 - 12 | 10,656 | 2.3 | 36.5 | 1.2 | 9.7 | 29.4 | 7.8 | 17,657 | 3.1 | 393.7 | 1.5 | 61.7 | 4.3 | 0.7 | 28,313 | 40.8 | 423.1 | 2,189 |
| 12 - 15 | 12,009 | 2.6 | 50.1 | 1.6 | 11.8 | 42.3 | 9.9 | 20,339 | 3.6 | 555.1 | 2.2 | 75.7 | 5.9 | 0.8 | 32,348 | 56.0 | 597.4 | 3,116 |
| **Subtotal <=15** | **370,047** | **80.9** | **309.3** | **10.1** | **2.4** | **210.8** | **1.6** | **448,825** | **78.8** | **3,072.1** | **11.9** | **19.1** | **32.2** | **0.2** | **818,872** | **341.5** | **3,282.9** | **19,991** |
| 15 - 20 | 13,756 | 3.0 | 73.5 | 2.4 | 15.1 | 66.4 | 13.6 | 22,805 | 4.0 | 803.9 | 3.1 | 97.6 | 8.6 | 1.0 | 36,561 | 82.1 | 870.2 | 4,908 |
| 20 - 25 | 9,454 | 2.1 | 64.0 | 2.1 | 19.2 | 61.8 | 18.6 | 15,084 | 2.7 | 684.4 | 2.7 | 125.6 | 7.7 | 1.4 | 24,538 | 71.6 | 746.2 | 4,546 |
| 25 - 30 | 6,765 | 1.5 | 56.3 | 1.8 | 23.5 | 55.9 | 23.3 | 10,626 | 1.9 | 589.3 | 2.3 | 153.7 | 6.7 | 1.8 | 17,391 | 63.1 | 645.2 | 4,246 |
| 30 - 40 | 9,267 | 2.0 | 95.8 | 3.1 | 29.4 | 103.2 | 31.6 | 14,161 | 2.5 | 985.9 | 3.8 | 193.1 | 12.5 | 2.4 | 23,428 | 108.3 | 1,089.1 | 7,463 |
| 40 - 50 | 6,510 | 1.4 | 85.5 | 2.8 | 37.3 | 100.9 | 44.1 | 9,246 | 1.6 | 829.8 | 3.2 | 248.8 | 11.0 | 3.3 | 15,756 | 96.5 | 930.8 | 6,718 |
| 50 - 100 | 16,575 | 3.6 | 333.6 | 10.9 | 57.6 | 454.4 | 78.4 | 22,758 | 4.0 | 3,189.1 | 12.3 | 389.5 | 48.1 | 5.9 | 39,333 | 381.8 | 3,643.4 | 22,919 |
| **Subtotal <=100** | **432,374** | **94.5** | **1,018.1** | **33.3** | **6.7** | **1,053.3** | **6.9** | **543,505** | **95.4** | **10,154.5** | **39.3** | **52.0** | **126.8** | **0.7** | **975,879** | **1,144.9** | **11,207.7** | **70,791** |
| 100 - 200 | 11,716 | 2.6 | 451.0 | 14.8 | 112.5 | 672.6 | 167.7 | 13,167 | 2.3 | 3,472.8 | 13.4 | 746.9 | 65.6 | 14.1 | 24,883 | 516.6 | 4,145.4 | 18,784 |
| 200 - 400 | 7,863 | 1.7 | 521.3 | 17.1 | 217.0 | 879.0 | 365.9 | 6,817 | 1.2 | 3,382.1 | 13.1 | 1,480.5 | 72.5 | 31.8 | 14,680 | 593.8 | 4,261.1 | 12,032 |
| 400 - 800 | 4,161 | 0.9 | 437.0 | 14.3 | 411.8 | 828.9 | 781.0 | 4,011 | 0.7 | 3,646.4 | 14.1 | 2,992.3 | 69.9 | 57.3 | 8,172 | 506.9 | 4,475.2 | 6,906 |
| 800 - 1,600 | 1,075 | 0.2 | 188.9 | 6.2 | 798.8 | 342.6 | 1,448.6 | 1,873 | 0.3 | 3,120.2 | 12.1 | 6,118.3 | 27.7 | 54.4 | 2,948 | 216.6 | 3,462.7 | 2,455 |
| 1,600 - 3,200 | 154 | 0.0 | 77.1 | 2.5 | 1,835.2 | 86.2 | 2,050.8 | 369 | 0.1 | 1,098.0 | 4.3 | 11,576.6 | 6.9 | 72.3 | 523 | 84.0 | 1,184.2 | 360 |
| 3,200 - 6,400 | 67 | 0.0 | 75.4 | 2.5 | 3,642.1 | 93.3 | 4,509.8 | 71 | 0.0 | 531.5 | 2.1 | 24,653.3 | 4.7 | 219.5 | 138 | 80.1 | 624.8 | 26 |
| 6,400 - 12,800 | 70 | 0.0 | 163.2 | 5.3 | 7,395.7 | 192.1 | 8,705.1 | 21 | 0.0 | 376.5 | 1.5 | 50,094.6 | 2.1 | 285.3 | 91 | 165.3 | 568.6 | 0 |
| > 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 |
| **Total** | **457,507** | **100.0** | **3,056.6** | **100.0** | **19.1** | **4,303.5** | **26.8** | **569,836** | **100.0** | **25,861.3** | **100.0** | **126.8** | **376.9** | **1.8** | **1,027,343** | **3,433.5** | **30,164.8** | **111,354** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 177,996 | 40.4 | 19.5 | 0.7 | 0.3 | 7.2 | 0.1 | 174,581 | 30.9 | 131.8 | 0.5 | 2.1 | 1.2 | 0.0 | 352,577 | 20.7 | 139.0 | 2,935 |
| 1 - 2 | 49,274 | 11.2 | 23.8 | 0.8 | 1.4 | 10.1 | 0.6 | 66,071 | 11.7 | 197.0 | 0.8 | 8.3 | 1.6 | 0.1 | 115,345 | 25.4 | 207.2 | 1,750 |
| 2 - 4 | 49,859 | 11.3 | 46.9 | 1.7 | 2.6 | 25.5 | 1.4 | 72,871 | 12.9 | 430.8 | 1.7 | 16.5 | 4.2 | 0.2 | 122,730 | 51.1 | 456.3 | 3,090 |
| 4 - 6 | 28,144 | 6.4 | 44.1 | 1.6 | 4.4 | 31.1 | 3.1 | 45,375 | 8.0 | 454.6 | 1.8 | 27.8 | 4.9 | 0.3 | 73,519 | 49.0 | 485.8 | 2,915 |
| 6 - 8 | 18,461 | 4.2 | 40.5 | 1.4 | 6.1 | 31.4 | 4.8 | 31,016 | 5.5 | 438.5 | 1.7 | 39.1 | 4.7 | 0.4 | 49,477 | 45.2 | 470.0 | 2,804 |
| 8 - 10 | 13,177 | 3.0 | 37.2 | 1.3 | 7.9 | 30.5 | 6.5 | 22,366 | 4.0 | 407.4 | 1.6 | 50.4 | 4.5 | 0.6 | 35,543 | 41.7 | 437.9 | 2,542 |
| **Subtotal <=10** | **336,911** | **76.4** | **212.0** | **7.4** | **1.8** | **135.9** | **1.1** | **412,280** | **72.9** | **2,060.3** | **8.0** | **14.0** | **21.1** | **0.1** | **749,191** | **233.2** | **2,196.2** | **16,036** |
| 10 - 12 | 10,052 | 2.3 | 34.6 | 1.2 | 9.6 | 29.4 | 8.2 | 16,877 | 3.0 | 376.4 | 1.5 | 61.6 | 4.2 | 0.7 | 26,929 | 38.8 | 405.9 | 2,363 |
| 12 - 15 | 11,457 | 2.6 | 48.1 | 1.7 | 11.7 | 42.4 | 10.3 | 19,425 | 3.4 | 532.3 | 2.1 | 75.6 | 5.8 | 0.8 | 30,882 | 53.9 | 574.8 | 3,478 |
| **Subtotal <=15** | **358,420** | **81.3** | **294.7** | **10.3** | **2.3** | **207.8** | **1.6** | **448,582** | **79.3** | **2,969.0** | **11.6** | **18.5** | **31.2** | **0.2** | **807,002** | **325.9** | **3,176.8** | **21,877** |
| 15 - 20 | 13,255 | 3.0 | 71.4 | 2.5 | 15.0 | 65.1 | 13.7 | 21,795 | 3.9 | 768.3 | 3.0 | 97.3 | 8.7 | 1.1 | 35,050 | 80.1 | 833.5 | 5,635 |
| 20 - 25 | 8,995 | 2.0 | 61.9 | 2.2 | 19.2 | 61.3 | 19.0 | 14,464 | 2.6 | 655.3 | 2.6 | 125.1 | 7.8 | 1.5 | 23,459 | 69.6 | 716.7 | 5,214 |
| 25 - 30 | 6,569 | 1.5 | 54.6 | 1.9 | 23.2 | 58.6 | 24.9 | 10,249 | 1.8 | 566.4 | 2.2 | 152.4 | 7.3 | 2.0 | 16,818 | 61.9 | 625.0 | 4,949 |
| 30 - 40 | 9,426 | 2.1 | 97.7 | 3.4 | 29.0 | 113.7 | 33.8 | 13,712 | 2.4 | 954.4 | 3.7 | 192.4 | 12.7 | 2.6 | 23,138 | 110.4 | 1,068.1 | 9,241 |
| 40 - 50 | 6,488 | 1.5 | 85.2 | 3.0 | 36.8 | 111.1 | 47.9 | 9,303 | 1.6 | 832.1 | 3.2 | 246.8 | 12.1 | 3.6 | 15,791 | 97.3 | 943.1 | 8,010 |
| 50 - 100 | 16,713 | 3.8 | 340.6 | 11.9 | 57.2 | 491.5 | 82.6 | 22,561 | 4.0 | 3,123.5 | 12.2 | 382.3 | 53.1 | 6.5 | 39,274 | 393.7 | 3,615.0 | 25,896 |
| **Subtotal <=100** | **419,866** | **95.3** | **1,006.0** | **35.3** | **6.8** | **1,109.1** | **7.5** | **540,666** | **95.6** | **9,869.1** | **38.5** | **50.8** | **132.9** | **0.7** | **960,532** | **1,138.8** | **10,978.2** | **80,822** |
| 100 - 200 | 10,201 | 2.3 | 388.7 | 13.6 | 108.9 | 629.4 | 176.3 | 12,215 | 2.2 | 3,176.7 | 12.4 | 731.6 | 71.4 | 16.4 | 22,416 | 460.2 | 3,806.1 | 17,406 |
| 200 - 400 | 5,704 | 1.3 | 386.9 | 13.6 | 213.1 | 702.1 | 386.8 | 6,704 | 1.2 | 3,412.5 | 13.3 | 1,487.6 | 72.2 | 31.5 | 12,408 | 459.0 | 4,114.6 | 10,124 |
| 400 - 800 | 3,551 | 0.8 | 386.3 | 13.6 | 413.4 | 747.3 | 799.6 | 3,861 | 0.7 | 3,861.3 | 15.1 | 3,026.5 | 56.6 | 44.3 | 7,412 | 442.9 | 4,608.6 | 6,370 |
| 800 - 1,600 | 1,127 | 0.3 | 197.8 | 6.9 | 803.4 | 366.1 | 1,486.7 | 1,638 | 0.3 | 3,102.3 | 12.1 | 6,247.6 | 26.2 | 52.7 | 2,765 | 224.0 | 3,468.3 | 2,339 |
| 1,600 - 3,200 | 190 | 0.0 | 78.7 | 2.8 | 1,806.3 | 101.0 | 2,315.9 | 489 | 0.1 | 1,358.9 | 5.3 | 12,056.1 | 5.9 | 52.5 | 679 | 84.7 | 1,459.9 | 527 |
| 3,200 - 6,400 | 82 | 0.0 | 103.0 | 3.6 | 3,826.8 | 121.7 | 4,524.4 | 58 | 0.0 | 402.6 | 1.6 | 24,847.3 | 3.8 | 233.3 | 140 | 106.7 | 524.3 | 27 |
| 6,400 - 12,800 | 73 | 0.0 | 185.7 | 6.5 | 7,695.2 | 212.3 | 8,797.2 | 21 | 0.0 | 358.7 | 1.4 | 47,995.2 | 3.1 | 411.5 | 94 | 188.8 | 571.0 | 0 |
| > 12,800 | 26 | 0.0 | 119.0 | 4.2 | 13,404.9 | 129.4 | 14,575.3 | 2 | 0.0 | 105.5 | 0.4 | 144,152.5 | 0.7 | 898.7 | 28 | 119.7 | 234.9 | 0 |
| **Total** | **440,820** | **100.0** | **2,852.1** | **100.0** | **18.4** | **4,118.4** | **26.5** | **565,654** | **100.0** | **25,647.5** | **100.0** | **126.5** | **372.6** | **1.8** | **1,006,474** | **3,224.8** | **29,765.9** | **117,615** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| Prod. rate bracket (BOE/day) | Oil wells # of oil wells | Oil wells % of oil wells | Oil wells Annual oil prod. (MMbbl) | Oil wells % of oil prod. | Oil wells Oil rate per Well (bbl/day) | Oil wells Annual gas prod. (Bcf) | Oil wells Gas rate per well (Mcf/day) | Gas wells # of gas wells | Gas wells % of gas wells | Gas wells Annual gas prod. (Bcf) | Gas wells % of gas Prod. | Gas wells Gas rate per well (Mcf/Day) | Gas wells Annual oil prod. (MMbbl) | Gas wells Oil rate per well (bbl/Day) | Total wells # of total wells | Total wells Annual oil prod. (MMbbl) | Total wells Annual gas prod. (Bcf) | Horizontal well count |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 - 1 | 173,642 | 40.1 | 18.8 | 0.6 | 0.3 | 6.6 | 0.1 | 172,382 | 31.0 | 131.6 | 0.5 | 2.2 | 1.1 | 0.0 | 346,024 | 19.9 | 138.2 | 2,973 |
| 1 - 2 | 48,457 | 11.2 | 23.3 | 0.8 | 1.4 | 9.7 | 0.6 | 65,218 | 11.7 | 193.8 | 0.7 | 8.3 | 1.5 | 0.1 | 113,675 | 24.8 | 203.4 | 1,739 |
| 2 - 4 | 48,999 | 11.3 | 46.1 | 1.5 | 2.7 | 24.7 | 1.4 | 71,752 | 12.9 | 422.8 | 1.6 | 16.5 | 3.9 | 0.2 | 120,751 | 50.1 | 447.5 | 3,200 |
| 4 - 6 | 28,085 | 6.5 | 44.1 | 1.5 | 4.4 | 30.5 | 3.1 | 44,471 | 8.0 | 445.8 | 1.7 | 28.0 | 4.3 | 0.3 | 72,556 | 48.4 | 476.2 | 3,208 |
| 6 - 8 | 17,989 | 4.2 | 39.4 | 1.3 | 6.1 | 31.1 | 4.8 | 30,155 | 5.4 | 425.0 | 1.6 | 39.2 | 4.4 | 0.4 | 48,144 | 43.8 | 456.1 | 2,966 |
| 8 - 10 | 12,653 | 2.9 | 35.5 | 1.2 | 7.9 | 29.1 | 6.4 | 21,426 | 3.9 | 389.2 | 1.5 | 50.4 | 4.3 | 0.6 | 34,079 | 39.8 | 418.3 | 2,800 |
| **Subtotal <=10** | **329,825** | **76.1** | **207.2** | **6.9** | **1.8** | **131.6** | **1.1** | **405,404** | **72.8** | **2,008.3** | **7.7** | **13.9** | **19.6** | **0.1** | **735,229** | **226.8** | **2,139.8** | **16,886** |
| 10 - 12 | 9,983 | 2.3 | 34.3 | 1.1 | 9.6 | 28.5 | 8.0 | 16,887 | 3.0 | 376.1 | 1.4 | 61.8 | 4.0 | 0.7 | 26,870 | 38.3 | 404.6 | 2,623 |
| 12 - 15 | 11,019 | 2.5 | 46.0 | 1.5 | 11.7 | 41.3 | 10.5 | 18,788 | 3.4 | 511.1 | 2.0 | 75.5 | 5.7 | 0.8 | 29,807 | 51.8 | 552.4 | 3,938 |
| **Subtotal <=15** | **350,827** | **80.9** | **287.6** | **9.5** | **2.3** | **201.4** | **1.6** | **441,079** | **79.2** | **2,895.5** | **11.1** | **18.4** | **29.3** | **0.2** | **791,906** | **316.9** | **3,096.9** | **23,447** |
| 15 - 20 | 12,838 | 3.0 | 68.8 | 2.3 | 15.0 | 65.1 | 14.2 | 21,355 | 3.8 | 746.7 | 2.9 | 96.9 | 8.9 | 1.2 | 34,193 | 77.6 | 811.8 | 6,565 |
| 20 - 25 | 8,859 | 2.0 | 60.1 | 2.0 | 19.0 | 63.1 | 20.0 | 14,113 | 2.5 | 635.1 | 2.4 | 124.5 | 8.1 | 1.6 | 22,972 | 68.2 | 698.2 | 6,352 |
| 25 - 30 | 6,720 | 1.6 | 55.7 | 1.9 | 23.3 | 60.0 | 25.0 | 10,066 | 1.8 | 553.3 | 2.1 | 151.8 | 7.6 | 2.1 | 16,786 | 63.3 | 613.2 | 5,970 |
| 30 - 40 | 9,290 | 2.1 | 95.7 | 3.2 | 28.9 | 115.8 | 34.9 | 13,931 | 2.5 | 963.8 | 3.7 | 191.5 | 13.8 | 2.7 | 23,221 | 109.5 | 1,079.6 | 10,935 |
| 40 - 50 | 6,644 | 1.5 | 86.0 | 2.9 | 36.4 | 117.6 | 49.8 | 9,427 | 1.7 | 834.9 | 3.2 | 244.8 | 13.4 | 3.9 | 16,071 | 99.4 | 952.5 | 9,242 |
| 50 - 100 | 16,539 | 3.8 | 328.4 | 10.9 | 56.0 | 498.4 | 85.0 | 22,224 | 4.0 | 3,014.3 | 11.5 | 376.6 | 55.9 | 7.0 | 38,763 | 384.2 | 3,512.7 | 26,924 |
| **Subtotal <=100** | **411,717** | **95.0** | **982.2** | **32.6** | **6.8** | **1,121.4** | **7.7** | **532,195** | **95.6** | **9,643.5** | **36.8** | **50.7** | **136.9** | **0.7** | **943,912** | **1,119.1** | **10,764.9** | **89,435** |
| 100 - 200 | 8,908 | 2.1 | 329.7 | 10.9 | 108.3 | 548.9 | 180.2 | 11,292 | 2.0 | 2,926.7 | 11.2 | 733.6 | 64.8 | 16.2 | 20,200 | 394.5 | 3,475.6 | 15,561 |
| 200 - 400 | 5,673 | 1.3 | 363.1 | 12.0 | 215.4 | 660.7 | 391.9 | 6,783 | 1.2 | 3,510.8 | 13.4 | 1,507.6 | 64.8 | 27.8 | 12,456 | 427.9 | 4,171.5 | 10,260 |
| 400 - 800 | 4,688 | 1.1 | 490.0 | 16.2 | 424.4 | 913.7 | 791.4 | 3,605 | 0.7 | 3,482.6 | 13.3 | 3,013.8 | 55.1 | 47.6 | 8,293 | 545.0 | 4,396.3 | 7,243 |
| 800 - 1,600 | 1,946 | 0.5 | 301.4 | 10.0 | 784.2 | 592.1 | 1,540.6 | 1,883 | 0.3 | 3,080.6 | 11.8 | 6,163.3 | 42.7 | 85.5 | 3,829 | 344.1 | 3,672.7 | 3,446 |
| 1,600 - 3,200 | 309 | 0.1 | 102.4 | 3.4 | 1,700.4 | 150.5 | 2,498.7 | 920 | 0.2 | 2,457.5 | 9.4 | 12,237.2 | 14.8 | 73.7 | 1,229 | 117.2 | 2,608.0 | 1,068 |
| 3,200 - 6,400 | 88 | 0.0 | 105.5 | 3.5 | 3,883.0 | 115.4 | 4,244.7 | 131 | 0.0 | 550.0 | 2.1 | 24,590.2 | 2.8 | 123.1 | 219 | 108.3 | 665.4 | 117 |
| 6,400 - 12,800 | 79 | 0.0 | 203.2 | 6.7 | 7,485.6 | 217.9 | 8,025.7 | 24 | 0.0 | 411.9 | 1.6 | 49,966.7 | 3.8 | 457.1 | 103 | 207.0 | 629.8 | 1 |
| > 12,800 | 26 | 0.0 | 139.5 | 4.6 | 14,892.4 | 119.3 | 12,729.5 | 4 | 0.0 | 110.5 | 0.4 | 121,520.2 | 2.2 | 2,372.4 | 30 | 141.7 | 229.7 | 0 |
| **Total** | **433,434** | **100.0** | **3,017.1** | **100.0** | **19.9** | **4,439.8** | **29.3** | **556,837** | **100.0** | **26,174.1** | **100.0** | **132.0** | **387.8** | **2.0** | **990,271** | **3,404.9** | **30,613.9** | **127,131** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B19. United States oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 167,481 | 38.4 | 17.6 | 0.5 | 0.3 | 6.1 | 0.1 | 168,531 | 30.8 | 124.5 | 0.4 | 2.2 | 0.9 | 0.0 | 336,012 | 18.5 | 130.5 | 2,925 |
| 1 - 2 | 50,054 | 11.5 | 22.9 | 0.7 | 1.4 | 8.8 | 0.5 | 62,040 | 11.4 | 179.2 | 0.6 | 8.3 | 1.3 | 0.1 | 112,094 | 24.2 | 188.0 | 1,881 |
| 2 - 4 | 50,564 | 11.6 | 45.1 | 1.3 | 2.6 | 24.1 | 1.4 | 67,869 | 12.4 | 389.4 | 1.3 | 16.5 | 3.3 | 0.1 | 118,433 | 48.5 | 413.6 | 3,506 |
| 4 - 6 | 27,745 | 6.4 | 41.5 | 1.2 | 4.4 | 28.4 | 3.0 | 42,140 | 7.7 | 408.8 | 1.4 | 28.0 | 3.9 | 0.3 | 69,885 | 45.4 | 437.2 | 3,349 |
| 6 - 8 | 17,964 | 4.1 | 37.4 | 1.1 | 6.1 | 29.3 | 4.8 | 28,945 | 5.3 | 389.1 | 1.3 | 39.1 | 4.2 | 0.4 | 46,909 | 41.6 | 418.5 | 3,189 |
| 8 - 10 | 12,701 | 2.9 | 34.0 | 1.0 | 7.9 | 28.3 | 6.6 | 21,018 | 3.9 | 363.5 | 1.3 | 50.3 | 4.1 | 0.6 | 33,719 | 38.1 | 391.8 | 3,000 |
| **Subtotal <=10** | **326,509** | **74.9** | **198.4** | **5.7** | **1.8** | **125.1** | **1.2** | **390,543** | **71.5** | **1,854.5** | **6.4** | **13.8** | **17.8** | **0.1** | **717,052** | **216.2** | **1,979.5** | **17,850** |
| 10 - 12 | 10,045 | 2.3 | 32.6 | 0.9 | 9.6 | 28.0 | 8.3 | 16,384 | 3.0 | 344.6 | 1.2 | 61.4 | 4.1 | 0.7 | 26,429 | 36.6 | 372.6 | 3,122 |
| 12 - 15 | 11,355 | 2.6 | 44.7 | 1.3 | 11.7 | 40.7 | 10.6 | 18,755 | 3.4 | 481.5 | 1.7 | 75.2 | 5.6 | 0.9 | 30,110 | 50.4 | 522.2 | 4,541 |
| **Subtotal <=15** | **347,909** | **79.8** | **275.7** | **7.9** | **2.4** | **193.8** | **1.7** | **425,682** | **77.9** | **2,680.6** | **9.2** | **18.4** | **27.4** | **0.2** | **773,591** | **303.2** | **2,874.4** | **25,513** |
| 15 - 20 | 13,086 | 3.0 | 65.7 | 1.9 | 14.9 | 63.4 | 14.4 | 21,617 | 4.0 | 712.7 | 2.5 | 96.7 | 8.8 | 1.2 | 34,703 | 74.5 | 776.1 | 7,602 |
| 20 - 25 | 9,033 | 2.1 | 57.2 | 1.6 | 18.9 | 63.0 | 20.8 | 14,310 | 2.6 | 604.9 | 2.1 | 124.4 | 7.8 | 1.6 | 23,343 | 65.0 | 667.8 | 7,218 |
| 25 - 30 | 6,839 | 1.6 | 52.6 | 1.5 | 22.9 | 61.3 | 26.7 | 10,452 | 1.9 | 539.3 | 1.9 | 151.2 | 7.8 | 2.2 | 17,291 | 60.4 | 600.6 | 6,974 |
| 30 - 40 | 9,913 | 2.3 | 95.8 | 2.7 | 28.6 | 123.4 | 36.8 | 14,820 | 2.7 | 961.2 | 3.3 | 190.6 | 14.5 | 2.9 | 24,733 | 110.3 | 1,084.6 | 12,241 |
| 40 - 50 | 6,853 | 1.6 | 84.4 | 2.4 | 36.2 | 118.8 | 51.0 | 9,843 | 1.8 | 821.8 | 2.8 | 243.7 | 13.9 | 4.1 | 16,696 | 98.4 | 940.6 | 9,779 |
| 50 - 100 | 15,935 | 3.7 | 302.3 | 8.6 | 55.3 | 478.4 | 87.5 | 22,149 | 4.1 | 2,819.6 | 9.7 | 374.5 | 53.6 | 7.1 | 38,084 | 355.9 | 3,298.0 | 26,219 |
| **Subtotal <=100** | **409,568** | **94.0** | **933.8** | **26.7** | **6.9** | **1,102.1** | **8.1** | **518,873** | **95.0** | **9,140.1** | **31.4** | **51.4** | **133.9** | **0.8** | **928,441** | **1,067.7** | **10,242.1** | **95,546** |
| 100 - 200 | 8,929 | 2.1 | 321.0 | 9.2 | 108.7 | 542.7 | 183.7 | 11,906 | 2.2 | 2,921.4 | 10.0 | 743.6 | 61.9 | 15.8 | 20,835 | 383.0 | 3,464.1 | 15,595 |
| 200 - 400 | 7,409 | 1.7 | 477.0 | 13.6 | 217.8 | 901.4 | 411.6 | 7,413 | 1.4 | 3,640.9 | 12.5 | 1,494.1 | 73.7 | 30.2 | 14,822 | 550.7 | 4,542.3 | 12,471 |
| 400 - 800 | 6,508 | 1.5 | 701.3 | 20.0 | 426.0 | 1,332.9 | 809.7 | 4,187 | 0.8 | 3,856.1 | 13.2 | 2,947.6 | 87.4 | 66.8 | 10,695 | 788.7 | 5,189.1 | 9,627 |
| 800 - 1,600 | 2,899 | 0.7 | 464.3 | 13.3 | 782.0 | 912.5 | 1,536.8 | 2,431 | 0.4 | 4,077.4 | 14.0 | 6,044.7 | 65.9 | 97.8 | 5,330 | 530.3 | 4,989.9 | 4,913 |
| 1,600 - 3,200 | 387 | 0.1 | 117.9 | 3.4 | 1,619.1 | 207.6 | 2,851.0 | 1,327 | 0.2 | 3,855.3 | 13.2 | 12,620.4 | 20.7 | 67.7 | 1,714 | 138.6 | 4,062.9 | 1,562 |
| 3,200 - 6,400 | 109 | 0.0 | 134.7 | 3.9 | 3,916.8 | 146.3 | 4,254.2 | 255 | 0.1 | 1,172.1 | 4.0 | 23,918.0 | 4.1 | 82.9 | 364 | 138.8 | 1,318.4 | 236 |
| 6,400 - 12,800 | 97 | 0.0 | 243.1 | 6.9 | 7,776.1 | 235.7 | 7,539.2 | 47 | 0.0 | 417.4 | 1.4 | 48,987.5 | 6.0 | 701.8 | 144 | 249.0 | 653.1 | 26 |
| > 12,800 | 23 | 0.0 | 107.7 | 3.1 | 15,735.4 | 75.3 | 10,992.3 | 3 | 0.0 | 54.6 | 0.2 | 71,804.4 | 2.0 | 2,662.1 | 26 | 109.8 | 129.9 | 1 |
| **Total** | **435,929** | **100.0** | **3,500.9** | **100.0** | **24.4** | **5,456.4** | **38.0** | **546,442** | **100.0** | **29,135.4** | **100.0** | **156.3** | **455.5** | **2.4** | **982,371** | **3,956.4** | **34,591.9** | **139,977** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B20. Alabama oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 48 | 9.9 | 0.0 | 0.1 | 0.3 | 0.0 | 0.1 | 640 | 10.9 | 0.6 | 0.4 | 2.9 | 0.0 | 0.0 | 688 | 0.0 | 0.6 | 2 |
| 1 - 2 | 23 | 4.8 | 0.0 | 0.3 | 1.6 | 0.0 | 0.4 | 829 | 14.2 | 2.7 | 2.1 | 9.2 | 0.0 | 0.0 | 852 | 0.0 | 2.7 | 2 |
| 2 - 4 | 43 | 8.9 | 0.0 | 1.0 | 3.0 | 0.0 | 0.5 | 1,712 | 29.2 | 11.0 | 8.4 | 17.8 | 0.0 | 0.0 | 1,755 | 0.0 | 11.0 | 0 |
| 4 - 6 | 37 | 7.7 | 0.1 | 1.3 | 4.9 | 0.0 | 0.7 | 1,186 | 20.3 | 12.7 | 9.7 | 29.6 | 0.0 | 0.0 | 1,223 | 0.1 | 12.8 | 1 |
| 6 - 8 | 38 | 7.9 | 0.1 | 1.9 | 6.9 | 0.0 | 1.2 | 689 | 11.8 | 10.3 | 7.8 | 41.2 | 0.0 | 0.0 | 727 | 0.1 | 10.3 | 2 |
| 8 - 10 | 40 | 8.3 | 0.1 | 2.7 | 8.8 | 0.0 | 1.1 | 350 | 6.0 | 6.8 | 5.1 | 53.1 | 0.0 | 0.0 | 390 | 0.1 | 6.8 | 1 |
| **Subtotal <=10** | **229** | **47.4** | **0.3** | **7.2** | **4.4** | **0.1** | **0.7** | **5,406** | **92.3** | **44.2** | **33.6** | **23.0** | **0.0** | **0.0** | **5,635** | **0.3** | **44.2** | **8** |
| 10 - 12 | 29 | 6.0 | 0.1 | 2.3 | 10.8 | 0.0 | 0.9 | 178 | 3.0 | 4.2 | 3.2 | 65.8 | 0.0 | 0.0 | 207 | 0.1 | 4.2 | 1 |
| 12 - 15 | 24 | 5.0 | 0.1 | 2.2 | 12.6 | 0.0 | 4.1 | 100 | 1.7 | 2.8 | 2.2 | 78.8 | 0.0 | 0.1 | 124 | 0.1 | 2.9 | 1 |
| **Subtotal <=15** | **282** | **58.4** | **0.5** | **11.8** | **5.8** | **0.1** | **1.0** | **5,684** | **97.1** | **51.2** | **38.9** | **25.4** | **0.0** | **0.0** | **5,966** | **0.6** | **51.3** | **10** |
| 15 - 20 | 34 | 7.0 | 0.2 | 4.2 | 16.4 | 0.1 | 6.7 | 48 | 0.8 | 1.7 | 1.3 | 100.6 | 0.0 | 0.2 | 82 | 0.2 | 1.8 | 2 |
| 20 - 25 | 18 | 3.7 | 0.1 | 2.6 | 19.1 | 0.1 | 18.4 | 19 | 0.3 | 0.8 | 0.6 | 128.4 | 0.0 | 0.4 | 37 | 0.1 | 0.9 | 0 |
| 25 - 30 | 10 | 2.1 | 0.1 | 1.5 | 24.3 | 0.1 | 18.1 | 5 | 0.1 | 0.3 | 0.2 | 163.3 | 0.0 | 0.0 | 15 | 0.1 | 0.3 | 1 |
| 30 - 40 | 28 | 5.8 | 0.3 | 6.1 | 30.4 | 0.3 | 27.5 | 9 | 0.2 | 0.6 | 0.5 | 196.0 | 0.0 | 1.5 | 37 | 0.3 | 0.9 | 1 |
| 40 - 50 | 19 | 3.9 | 0.2 | 4.7 | 38.8 | 0.2 | 32.8 | 4 | 0.1 | 0.3 | 0.3 | 238.1 | 0.0 | 4.5 | 23 | 0.2 | 0.5 | 2 |
| 50 - 100 | 42 | 8.7 | 0.8 | 16.9 | 56.3 | 1.3 | 90.3 | 19 | 0.3 | 1.7 | 1.3 | 372.9 | 0.1 | 13.3 | 61 | 0.8 | 3.0 | 4 |
| **Subtotal <=100** | **433** | **89.7** | **2.2** | **47.7** | **15.3** | **2.0** | **14.1** | **5,788** | **98.8** | **56.7** | **43.1** | **27.6** | **0.1** | **0.0** | **6,221** | **2.3** | **58.7** | **20** |
| 100 - 200 | 33 | 6.8 | 1.2 | 24.8 | 104.5 | 2.2 | 203.3 | 22 | 0.4 | 4.7 | 3.6 | 731.0 | 0.2 | 30.1 | 55 | 1.3 | 6.9 | 1 |
| 200 - 400 | 16 | 3.3 | 1.0 | 22.2 | 185.8 | 3.0 | 532.6 | 19 | 0.3 | 8.6 | 6.5 | 1,293.2 | 0.6 | 88.5 | 35 | 1.6 | 11.5 | 1 |
| 400 - 800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 0.2 | 12.1 | 9.2 | 3,296.8 | 0.2 | 48.7 | 11 | 0.2 | 12.1 | 0 |
| 800 - 1,600 | 1 | 0.2 | 0.2 | 5.3 | 673.8 | 0.7 | 1,810.2 | 15 | 0.3 | 37.7 | 28.6 | 6,883.8 | 0.2 | 33.8 | 16 | 0.4 | 38.4 | 0 |
| 1,600 - 3,200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.0 | 11.8 | 9.0 | 16,227.0 | 0.0 | 6.4 | 2 | 0.0 | 11.8 | 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 |
| **Total** | **483** | **100.0** | **4.6** | **100.0** | **28.8** | **7.9** | **48.9** | **5,857** | **100.0** | **131.6** | **100.0** | **63.4** | **1.2** | **0.6** | **6,340** | **5.9** | **139.5** | **22** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B21. Alaska oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 10 | 0.5 | 0.0 | 0.0 | 0.4 | 0.0 | 0.7 | 17 | 3.6 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 27 | 0.0 | 0.0 | 0 |
| 1 - 2 | 3 | 0.2 | 0.0 | 0.0 | 1.3 | 0.0 | 1.5 | 7 | 1.5 | 0.0 | 0.0 | 8.2 | 0.0 | 0.3 | 10 | 0.0 | 0.0 | 0 |
| 2 - 4 | 16 | 0.8 | 0.0 | 0.0 | 2.6 | 0.0 | 2.3 | 7 | 1.5 | 0.0 | 0.0 | 16.5 | 0.0 | 0.0 | 23 | 0.0 | 0.0 | 0 |
| 4 - 6 | 12 | 0.6 | 0.0 | 0.0 | 4.4 | 0.0 | 2.6 | 5 | 1.1 | 0.0 | 0.0 | 25.1 | 0.0 | 1.1 | 17 | 0.0 | 0.0 | 0 |
| 6 - 8 | 9 | 0.5 | 0.0 | 0.0 | 6.3 | 0.0 | 4.5 | 2 | 0.4 | 0.0 | 0.0 | 20.8 | 0.0 | 2.8 | 11 | 0.0 | 0.0 | 0 |
| 8 - 10 | 11 | 0.6 | 0.0 | 0.0 | 7.2 | 0.0 | 10.1 | 6 | 1.3 | 0.0 | 0.0 | 35.0 | 0.0 | 3.0 | 17 | 0.0 | 0.1 | 0 |
| **Subtotal <=10** | **61** | **3.2** | **0.1** | **0.0** | **3.9** | **0.1** | **3.9** | **44** | **9.4** | **0.1** | **0.0** | **13.3** | **0.0** | **0.7** | **105** | **0.1** | **0.2** | **0** |
| 10 - 12 | 7 | 0.4 | 0.0 | 0.0 | 9.3 | 0.0 | 13.0 | 2 | 0.4 | 0.0 | 0.0 | 48.5 | 0.0 | 3.0 | 9 | 0.0 | 0.1 | 0 |
| 12 - 15 | 19 | 1.0 | 0.1 | 0.0 | 11.2 | 0.1 | 12.4 | 6 | 1.3 | 0.1 | 0.0 | 62.0 | 0.0 | 2.9 | 25 | 0.1 | 0.2 | 0 |
| **Subtotal <=15** | **87** | **4.6** | **0.2** | **0.1** | **6.2** | **0.2** | **6.8** | **52** | **11.1** | **0.3** | **0.1** | **22.8** | **0.0** | **1.2** | **139** | **0.2** | **0.5** | **0** |
| 15 - 20 | 30 | 1.6 | 0.1 | 0.1 | 14.8 | 0.2 | 15.9 | 10 | 2.1 | 0.2 | 0.1 | 85.2 | 0.0 | 3.5 | 40 | 0.1 | 0.3 | 0 |
| 20 - 25 | 33 | 1.7 | 0.2 | 0.1 | 20.4 | 0.1 | 14.1 | 13 | 2.8 | 0.5 | 0.1 | 126.2 | 0.0 | 1.8 | 46 | 0.2 | 0.7 | 0 |
| 25 - 30 | 20 | 1.1 | 0.1 | 0.1 | 24.5 | 0.1 | 18.0 | 12 | 2.6 | 0.7 | 0.2 | 154.8 | 0.0 | 2.2 | 32 | 0.1 | 0.8 | 0 |
| 30 - 40 | 55 | 2.9 | 0.6 | 0.4 | 30.9 | 0.4 | 23.4 | 9 | 1.9 | 0.7 | 0.2 | 204.7 | 0.0 | 0.0 | 64 | 0.6 | 1.1 | 0 |
| 40 - 50 | 63 | 3.3 | 0.9 | 0.6 | 40.0 | 0.6 | 28.9 | 9 | 1.9 | 0.7 | 0.2 | 215.9 | 0.0 | 8.7 | 72 | 0.9 | 1.3 | 0 |
| 50 - 100 | 297 | 15.6 | 6.8 | 4.3 | 68.8 | 3.6 | 36.5 | 62 | 13.3 | 8.0 | 2.0 | 388.7 | 0.2 | 9.0 | 359 | 6.9 | 11.6 | 2 |
| **Subtotal <=100** | **585** | **30.7** | **8.9** | **5.7** | **46.9** | **5.2** | **27.7** | **167** | **35.8** | **11.0** | **2.8** | **218.9** | **0.3** | **5.0** | **752** | **9.1** | **16.3** | **2** |
| 100 - 200 | 486 | 25.5 | 22.7 | 14.6 | 134.1 | 11.5 | 67.9 | 58 | 12.4 | 14.2 | 3.6 | 726.1 | 0.5 | 24.6 | 544 | 23.2 | 25.7 | 0 |
| 200 - 400 | 435 | 22.8 | 37.0 | 23.7 | 243.3 | 35.4 | 232.6 | 89 | 19.1 | 38.6 | 9.7 | 1,275.7 | 2.3 | 77.0 | 524 | 39.3 | 74.0 | 8 |
| 400 - 800 | 272 | 14.3 | 40.9 | 26.2 | 429.5 | 71.7 | 752.4 | 101 | 21.6 | 73.8 | 18.6 | 2,127.8 | 7.6 | 217.9 | 373 | 48.5 | 145.5 | 1 |
| 800 - 1,600 | 108 | 5.7 | 29.7 | 19.0 | 801.4 | 58.0 | 1,563.9 | 32 | 6.9 | 45.1 | 11.3 | 4,175.7 | 3.8 | 350.4 | 140 | 33.5 | 103.1 | 1 |
| 1,600 - 3,200 | 14 | 0.7 | 7.4 | 4.7 | 1,591.5 | 9.5 | 2,038.4 | 5 | 1.1 | 18.4 | 4.6 | 12,326.5 | 0.3 | 182.0 | 19 | 7.7 | 27.9 | 0 |
| 3,200 - 6,400 | 6 | 0.3 | 6.9 | 4.4 | 3,716.8 | 3.3 | 1,780.1 | 6 | 1.3 | 39.2 | 9.9 | 24,351.1 | 0.5 | 314.6 | 12 | 7.4 | 42.5 | 0 |
| 6,400 - 12,800 | 1 | 0.1 | 2.6 | 1.7 | 7,232.4 | 1.5 | 4,142.0 | 7 | 1.5 | 104.9 | 26.4 | 44,781.1 | 1.4 | 583.7 | 8 | 4.0 | 106.4 | 0 |
| > 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.4 | 52.2 | 13.1 | 71,537.7 | 2.0 | 2,775.1 | 2 | 2.0 | 52.2 | 0 |
| **Total** | **1,907** | **100.0** | **156.2** | **100.0** | **240.5** | **196.2** | **302.0** | **467** | **100.0** | **397.5** | **100.0** | **2,616.7** | **18.6** | **122.3** | **2,374** | **174.8** | **593.7** | **12** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

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

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | 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 |
| **Subtotal <=10** | **7** | **100.0** | **0.0** | **100.0** | **2.1** | **0.0** | **0.0** | **2** | **66.7** | **0.0** | **46.6** | **31.3** | **0.0** | **0.0** | **9** | **0.0** | **0.0** | **0** |
| 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 |
| **Subtotal <=15** | **7** | **100.0** | **0.0** | **100.0** | **2.1** | **0.0** | **0.0** | **3** | **100.0** | **0.0** | **100.0** | **44.7** | **0.0** | **0.0** | **10** | **0.0** | **0.0** | **0** |
| 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 |
| **Subtotal <=100** | **7** | **100.0** | **0.0** | **100.0** | **2.1** | **0.0** | **0.0** | **3** | **100.0** | **0.0** | **100.0** | **44.7** | **0.0** | **0.0** | **10** | **0.0** | **0.0** | **0** |
| 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 |
| **Total** | **7** | **100.0** | **0.0** | **100.0** | **2.1** | **0.0** | **0.0** | **3** | **100.0** | **0.0** | **100.0** | **44.7** | **0.0** | **0.0** | **10** | **0.0** | **0.0** | **0** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B23. Arkansas oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 346 | 19.3 | 0.1 | 1.2 | 0.5 | 0.0 | 0.0 | 352 | 3.7 | 0.4 | 0.1 | 3.2 | 0.0 | 0.0 | 698 | 0.1 | 0.4 | 33 |
| 1 - 2 | 256 | 14.3 | 0.1 | 2.6 | 1.5 | 0.0 | 0.0 | 459 | 4.8 | 1.5 | 0.3 | 9.0 | 0.0 | 0.0 | 715 | 0.1 | 1.5 | 21 |
| 2 - 4 | 351 | 19.6 | 0.3 | 7.1 | 2.9 | 0.0 | 0.2 | 954 | 10.0 | 6.0 | 1.0 | 17.6 | 0.0 | 0.0 | 1,305 | 0.3 | 6.0 | 30 |
| 4 - 6 | 246 | 13.7 | 0.4 | 8.5 | 4.8 | 0.1 | 0.6 | 721 | 7.5 | 7.6 | 1.3 | 29.4 | 0.0 | 0.0 | 967 | 0.4 | 7.7 | 44 |
| 6 - 8 | 145 | 8.1 | 0.3 | 7.1 | 6.7 | 0.1 | 1.1 | 516 | 5.4 | 7.8 | 1.3 | 41.6 | 0.0 | 0.0 | 661 | 0.4 | 7.9 | 71 |
| 8 - 10 | 98 | 5.5 | 0.3 | 6.1 | 8.5 | 0.1 | 2.9 | 397 | 4.1 | 7.6 | 1.3 | 53.1 | 0.0 | 0.1 | 495 | 0.3 | 7.7 | 71 |
| **Subtotal <=10** | **1,442** | **80.4** | **1.6** | **32.5** | **3.3** | **0.2** | **0.5** | **3,399** | **35.5** | **30.9** | **5.3** | **25.5** | **0.0** | **0.0** | **4,841** | **1.6** | **31.1** | **270** |
| 10 - 12 | 77 | 4.3 | 0.3 | 5.8 | 10.2 | 0.1 | 4.6 | 360 | 3.8 | 8.5 | 1.5 | 65.2 | 0.0 | 0.1 | 437 | 0.3 | 8.6 | 122 |
| 12 - 15 | 71 | 4.0 | 0.3 | 6.3 | 12.0 | 0.2 | 8.1 | 478 | 5.0 | 13.8 | 2.4 | 80.0 | 0.0 | 0.2 | 549 | 0.3 | 14.1 | 222 |
| **Subtotal <=15** | **1,590** | **88.7** | **2.2** | **44.5** | **4.1** | **0.6** | **1.1** | **4,237** | **44.2** | **53.2** | **9.1** | **35.2** | **0.1** | **0.0** | **5,827** | **2.2** | **53.8** | **614** |
| 15 - 20 | 82 | 4.6 | 0.5 | 9.6 | 16.0 | 0.2 | 7.2 | 617 | 6.4 | 23.2 | 3.9 | 103.4 | 0.0 | 0.2 | 699 | 0.5 | 23.4 | 407 |
| 20 - 25 | 36 | 2.0 | 0.3 | 5.4 | 20.4 | 0.2 | 12.6 | 605 | 6.3 | 29.5 | 5.0 | 134.1 | 0.0 | 0.1 | 641 | 0.3 | 29.7 | 484 |
| 25 - 30 | 20 | 1.1 | 0.2 | 3.6 | 25.9 | 0.1 | 9.2 | 522 | 5.5 | 31.3 | 5.3 | 164.6 | 0.0 | 0.1 | 542 | 0.2 | 31.4 | 480 |
| 30 - 40 | 28 | 1.6 | 0.3 | 7.0 | 33.3 | 0.1 | 5.8 | 1,049 | 10.9 | 79.9 | 13.6 | 208.9 | 0.0 | 0.0 | 1,077 | 0.4 | 79.9 | 998 |
| 40 - 50 | 7 | 0.4 | 0.1 | 2.1 | 42.4 | 0.0 | 13.1 | 744 | 7.8 | 72.9 | 12.4 | 268.8 | 0.0 | 0.0 | 751 | 0.1 | 73.0 | 722 |
| 50 - 100 | 20 | 1.1 | 0.5 | 9.3 | 61.9 | 0.0 | 0.3 | 1,630 | 17.0 | 239.4 | 40.7 | 402.9 | 0.0 | 0.0 | 1,650 | 0.5 | 239.4 | 1,603 |
| **Subtotal <=100** | **1,783** | **99.4** | **4.0** | **81.4** | **6.6** | **1.1** | **1.8** | **9,404** | **98.1** | **529.5** | **90.1** | **156.0** | **0.2** | **0.1** | **11,187** | **4.2** | **530.6** | **5,308** |
| 100 - 200 | 4 | 0.2 | 0.2 | 3.4 | 114.6 | 0.1 | 64.2 | 153 | 1.6 | 40.6 | 6.9 | 729.3 | 0.0 | 0.2 | 157 | 0.2 | 40.7 | 150 |
| 200 - 400 | 3 | 0.2 | 0.2 | 4.8 | 214.1 | 0.2 | 201.5 | 23 | 0.2 | 13.0 | 2.2 | 1,566.5 | 0.0 | 0.0 | 26 | 0.2 | 13.2 | 23 |
| 400 - 800 | 2 | 0.1 | 0.3 | 6.9 | 458.0 | 0.4 | 549.0 | 5 | 0.1 | 4.9 | 0.8 | 2,830.1 | 0.0 | 0.0 | 7 | 0.3 | 5.3 | 5 |
| 800 - 1,600 | 1 | 0.1 | 0.2 | 3.5 | 465.0 | 1.0 | 2,760.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.2 | 1.0 | 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 |
| **Total** | **1,793** | **100.0** | **4.9** | **100.0** | **8.0** | **2.8** | **4.7** | **9,585** | **100.0** | **588.0** | **100.0** | **169.9** | **0.2** | **0.1** | **11,378** | **5.1** | **590.8** | **5,486** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B24. California oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 7,667 | 15.4 | 1.0 | 0.8 | 0.5 | 0.2 | 0.1 | 659 | 15.3 | 0.3 | 0.3 | 2.1 | 0.0 | 0.0 | 8,326 | 1.1 | 0.5 | 138 |
| 1 - 2 | 6,168 | 12.4 | 2.6 | 2.0 | 1.4 | 0.5 | 0.3 | 353 | 8.2 | 0.8 | 0.7 | 7.5 | 0.0 | 0.2 | 6,521 | 2.7 | 1.3 | 130 |
| 2 - 4 | 8,320 | 16.7 | 7.0 | 5.2 | 2.8 | 1.8 | 0.7 | 516 | 12.0 | 2.6 | 2.0 | 15.2 | 0.1 | 0.4 | 8,836 | 7.1 | 4.3 | 210 |
| 4 - 6 | 5,576 | 11.2 | 8.0 | 5.9 | 4.7 | 2.6 | 1.5 | 381 | 8.9 | 3.2 | 2.5 | 25.3 | 0.1 | 0.7 | 5,957 | 8.1 | 5.8 | 152 |
| 6 - 8 | 4,087 | 8.2 | 8.3 | 6.2 | 6.6 | 2.7 | 2.2 | 276 | 6.4 | 3.1 | 2.5 | 34.3 | 0.1 | 1.2 | 4,363 | 8.4 | 5.9 | 140 |
| 8 - 10 | 3,059 | 6.1 | 8.1 | 6.0 | 8.5 | 2.7 | 2.9 | 261 | 6.1 | 4.1 | 3.2 | 45.5 | 0.1 | 1.4 | 3,320 | 8.2 | 6.8 | 130 |
| **Subtotal <=10** | **34,877** | **69.9** | **35.1** | **26.1** | **3.4** | **10.6** | **1.0** | **2,446** | **56.9** | **14.1** | **11.2** | **18.8** | **0.4** | **0.6** | **37,323** | **35.5** | **24.7** | **900** |
| 10 - 12 | 2,454 | 4.9 | 7.8 | 5.8 | 10.4 | 2.5 | 3.3 | 200 | 4.7 | 3.8 | 3.0 | 55.7 | 0.1 | 1.7 | 2,654 | 7.9 | 6.2 | 111 |
| 12 - 15 | 2,750 | 5.5 | 10.5 | 7.8 | 12.7 | 3.5 | 4.3 | 216 | 5.0 | 5.0 | 4.0 | 68.8 | 0.1 | 2.0 | 2,966 | 10.6 | 8.6 | 140 |
| **Subtotal <=15** | **40,081** | **80.4** | **53.3** | **39.7** | **4.5** | **16.6** | **1.4** | **2,862** | **66.6** | **22.9** | **18.1** | **25.7** | **0.7** | **0.8** | **42,943** | **54.0** | **39.5** | **1,151** |
| 15 - 20 | 3,062 | 6.1 | 14.8 | 11.0 | 16.3 | 4.9 | 5.5 | 293 | 6.8 | 8.5 | 6.8 | 84.0 | 0.3 | 3.3 | 3,355 | 15.1 | 13.5 | 160 |
| 20 - 25 | 1,866 | 3.7 | 11.1 | 8.2 | 21.0 | 4.2 | 8.0 | 201 | 4.7 | 7.8 | 6.2 | 114.5 | 0.2 | 3.3 | 2,067 | 11.3 | 12.0 | 98 |
| 25 - 30 | 1,260 | 2.5 | 8.8 | 6.6 | 25.8 | 2.9 | 8.6 | 154 | 3.6 | 7.2 | 5.7 | 135.6 | 0.3 | 4.9 | 1,414 | 9.0 | 10.1 | 78 |
| 30 - 40 | 1,519 | 3.1 | 13.1 | 9.8 | 32.5 | 4.7 | 11.5 | 237 | 5.5 | 13.9 | 11.0 | 171.5 | 0.5 | 5.9 | 1,756 | 13.6 | 18.5 | 108 |
| 40 - 50 | 794 | 1.6 | 8.8 | 6.5 | 42.2 | 2.8 | 13.7 | 174 | 4.1 | 13.7 | 10.8 | 229.0 | 0.4 | 6.8 | 968 | 9.2 | 16.5 | 72 |
| 50 - 100 | 1,006 | 2.0 | 16.2 | 12.1 | 62.5 | 4.6 | 17.7 | 309 | 7.2 | 36.7 | 29.1 | 348.4 | 1.2 | 10.9 | 1,315 | 17.4 | 41.3 | 104 |
| **Subtotal <=100** | **49,588** | **99.4** | **126.0** | **93.9** | **8.6** | **40.7** | **2.8** | **4,230** | **98.4** | **110.7** | **87.6** | **81.3** | **3.6** | **2.6** | **53,818** | **129.6** | **151.4** | **1,771** |
| 100 - 200 | 216 | 0.4 | 5.6 | 4.1 | 122.3 | 1.5 | 32.3 | 58 | 1.4 | 13.3 | 10.5 | 676.3 | 0.4 | 18.0 | 274 | 5.9 | 14.7 | 29 |
| 200 - 400 | 50 | 0.1 | 2.0 | 1.5 | 240.0 | 0.5 | 61.0 | 8 | 0.2 | 2.2 | 1.7 | 1,673.2 | 0.0 | 14.3 | 58 | 2.0 | 2.7 | 9 |
| 400 - 800 | 17 | 0.0 | 0.4 | 0.3 | 552.1 | 0.0 | 6.3 | 1 | 0.0 | 0.1 | 0.1 | 3,328.3 | 0.0 | 0.0 | 18 | 0.4 | 0.1 | 1 |
| 800 - 1,600 | 6 | 0.0 | 0.2 | 0.2 | 1,096.5 | 0.0 | 5.8 | 1 | 0.0 | 0.2 | 0.1 | 5,323.4 | 0.0 | 0.0 | 7 | 0.2 | 0.2 | 0 |
| 1,600 - 3,200 | 2 | 0.0 | 0.1 | 0.1 | 1,771.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.1 | 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 |
| **Total** | **49,879** | **100.0** | **134.2** | **100.0** | **9.2** | **42.7** | **2.9** | **4,298** | **100.0** | **126.4** | **100.0** | **91.5** | **3.9** | **2.8** | **54,177** | **138.1** | **169.1** | **1,810** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B25. Colorado oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 2,057 | 23.2 | 0.1 | 0.1 | 0.3 | 0.2 | 0.4 | 7,516 | 17.9 | 5.2 | 0.4 | 2.2 | 0.1 | 0.0 | 9,573 | 0.2 | 5.4 | 111 |
| 1 - 2 | 730 | 8.2 | 0.2 | 0.2 | 1.1 | 0.4 | 1.9 | 4,266 | 10.1 | 11.5 | 0.8 | 8.2 | 0.2 | 0.1 | 4,996 | 0.4 | 11.9 | 55 |
| 2 - 4 | 739 | 8.3 | 0.5 | 0.4 | 2.3 | 0.8 | 3.5 | 5,835 | 13.9 | 30.9 | 2.1 | 15.9 | 0.5 | 0.3 | 6,574 | 1.0 | 31.7 | 103 |
| 4 - 6 | 408 | 4.6 | 0.5 | 0.4 | 4.0 | 0.7 | 5.7 | 3,376 | 8.0 | 31.1 | 2.1 | 27.0 | 0.5 | 0.4 | 3,784 | 1.0 | 31.8 | 87 |
| 6 - 8 | 273 | 3.1 | 0.5 | 0.4 | 5.7 | 0.7 | 7.6 | 2,652 | 6.3 | 35.8 | 2.4 | 39.5 | 0.3 | 0.4 | 2,925 | 0.8 | 36.5 | 107 |
| 8 - 10 | 198 | 2.2 | 0.5 | 0.4 | 7.2 | 0.7 | 10.5 | 2,365 | 5.6 | 42.4 | 2.9 | 51.5 | 0.3 | 0.4 | 2,563 | 0.8 | 43.1 | 121 |
| **Subtotal <=10** | **4,405** | **49.6** | **2.4** | **1.9** | **1.9** | **3.5** | **2.8** | **26,010** | **61.9** | **156.9** | **10.6** | **18.2** | **1.9** | **0.2** | **30,415** | **4.3** | **160.4** | **584** |
| 10 - 12 | 165 | 1.9 | 0.5 | 0.4 | 8.9 | 0.7 | 12.7 | 2,081 | 5.0 | 46.2 | 3.1 | 63.2 | 0.3 | 0.4 | 2,246 | 0.8 | 46.9 | 126 |
| 12 - 15 | 243 | 2.7 | 0.9 | 0.7 | 10.6 | 1.4 | 16.9 | 2,385 | 5.7 | 64.9 | 4.4 | 77.5 | 0.4 | 0.5 | 2,628 | 1.3 | 66.3 | 205 |
| **Subtotal <=15** | **4,813** | **54.2** | **3.7** | **2.9** | **2.7** | **5.5** | **4.0** | **30,476** | **72.5** | **268.1** | **18.2** | **26.4** | **2.6** | **0.3** | **35,289** | **6.3** | **273.6** | **915** |
| 15 - 20 | 363 | 4.1 | 1.6 | 1.2 | 13.0 | 3.3 | 27.0 | 2,522 | 6.0 | 87.6 | 5.9 | 99.2 | 0.6 | 0.7 | 2,885 | 2.2 | 90.9 | 374 |
| 20 - 25 | 308 | 3.5 | 1.7 | 1.3 | 16.6 | 3.5 | 35.0 | 1,379 | 3.3 | 60.5 | 4.1 | 126.8 | 0.5 | 1.1 | 1,687 | 2.2 | 64.1 | 355 |
| 25 - 30 | 245 | 2.8 | 1.6 | 1.3 | 19.8 | 3.8 | 46.2 | 966 | 2.3 | 50.6 | 3.4 | 151.0 | 0.7 | 2.2 | 1,211 | 2.4 | 54.4 | 371 |
| 30 - 40 | 343 | 3.9 | 3.0 | 2.3 | 25.7 | 6.2 | 52.6 | 1,340 | 3.2 | 87.6 | 5.9 | 189.4 | 1.4 | 3.0 | 1,683 | 4.4 | 93.8 | 536 |
| 40 - 50 | 216 | 2.4 | 2.3 | 1.8 | 31.2 | 5.9 | 80.9 | 970 | 2.3 | 80.5 | 5.5 | 239.0 | 1.7 | 5.1 | 1,186 | 4.0 | 86.4 | 485 |
| 50 - 100 | 441 | 5.0 | 7.0 | 5.5 | 49.0 | 19.0 | 132.5 | 2,422 | 5.8 | 300.9 | 20.4 | 365.6 | 7.4 | 9.0 | 2,863 | 14.5 | 320.0 | 1,394 |
| **Subtotal <=100** | **6,729** | **75.7** | **21.0** | **16.3** | **10.3** | **47.3** | **23.2** | **40,075** | **95.3** | **935.9** | **63.4** | **69.4** | **15.0** | **1.1** | **46,804** | **36.0** | **983.1** | **4,430** |
| 100 - 200 | 444 | 5.0 | 12.2 | 9.5 | 99.6 | 34.8 | 283.9 | 1,331 | 3.2 | 284.8 | 19.3 | 678.7 | 9.7 | 23.0 | 1,775 | 21.9 | 319.6 | 1,124 |
| 200 - 400 | 1,003 | 11.3 | 43.6 | 33.8 | 201.9 | 123.2 | 570.6 | 522 | 1.2 | 173.4 | 11.8 | 1,133.9 | 11.6 | 75.6 | 1,525 | 55.2 | 296.6 | 1,354 |
| 400 - 800 | 623 | 7.0 | 43.8 | 34.0 | 348.9 | 129.2 | 1,027.8 | 114 | 0.3 | 72.4 | 4.9 | 2,147.8 | 5.0 | 149.2 | 737 | 48.9 | 201.5 | 726 |
| 800 - 1,600 | 85 | 1.0 | 8.3 | 6.5 | 664.1 | 23.8 | 1,893.9 | 14 | 0.0 | 9.4 | 0.6 | 4,594.4 | 0.4 | 213.6 | 99 | 8.8 | 33.2 | 99 |
| 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 |
| **Total** | **8,884** | **100.0** | **129.0** | **100.0** | **51.3** | **358.2** | **142.5** | **42,056** | **100.0** | **1,475.9** | **100.0** | **104.7** | **41.7** | **3.0** | **50,940** | **170.7** | **1,834.1** | **7,733** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B26. Federal GOM oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 43 | 1.5 | 0.0 | 0.0 | 0.3 | 0.0 | 0.4 | 56 | 7.1 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 99 | 0.0 | 0.0 | 0 |
| 1 - 2 | 19 | 0.7 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 17 | 2.2 | 0.0 | 0.0 | 7.7 | 0.0 | 0.1 | 36 | 0.0 | 0.0 | 0 |
| 2 - 4 | 29 | 1.0 | 0.0 | 0.0 | 2.5 | 0.0 | 2.4 | 34 | 4.3 | 0.2 | 0.0 | 16.0 | 0.0 | 0.4 | 63 | 0.0 | 0.2 | 0 |
| 4 - 6 | 32 | 1.2 | 0.0 | 0.0 | 4.3 | 0.0 | 3.2 | 29 | 3.7 | 0.2 | 0.1 | 27.0 | 0.0 | 0.5 | 61 | 0.0 | 0.3 | 0 |
| 6 - 8 | 28 | 1.0 | 0.1 | 0.0 | 5.8 | 0.1 | 8.4 | 18 | 2.3 | 0.2 | 0.1 | 36.1 | 0.0 | 0.9 | 46 | 0.1 | 0.3 | 0 |
| 8 - 10 | 39 | 1.4 | 0.1 | 0.0 | 7.5 | 0.1 | 9.7 | 19 | 2.4 | 0.2 | 0.1 | 45.0 | 0.0 | 1.2 | 58 | 0.1 | 0.3 | 0 |
| **Subtotal <=10** | **190** | **6.8** | **0.2** | **0.0** | **3.9** | **0.3** | **4.7** | **173** | **22.0** | **0.8** | **0.2** | **17.7** | **0.0** | **0.4** | **363** | **0.2** | **1.1** | **0** |
| 10 - 12 | 37 | 1.3 | 0.1 | 0.0 | 8.8 | 0.1 | 13.2 | 14 | 1.8 | 0.2 | 0.0 | 50.3 | 0.0 | 2.6 | 51 | 0.1 | 0.3 | 0 |
| 12 - 15 | 61 | 2.2 | 0.2 | 0.0 | 11.1 | 0.3 | 15.3 | 17 | 2.2 | 0.3 | 0.1 | 63.1 | 0.0 | 3.0 | 78 | 0.3 | 0.7 | 0 |
| **Subtotal <=15** | **288** | **10.3** | **0.6** | **0.1** | **6.2** | **0.7** | **8.3** | **204** | **25.9** | **1.3** | **0.4** | **24.3** | **0.0** | **0.8** | **492** | **0.6** | **2.1** | **0** |
| 15 - 20 | 129 | 4.6 | 0.6 | 0.1 | 14.6 | 0.8 | 18.4 | 33 | 4.2 | 0.8 | 0.2 | 86.1 | 0.0 | 3.2 | 162 | 0.6 | 1.6 | 0 |
| 20 - 25 | 97 | 3.5 | 0.6 | 0.1 | 18.6 | 0.7 | 23.4 | 24 | 3.1 | 0.6 | 0.2 | 104.9 | 0.0 | 4.6 | 121 | 0.6 | 1.3 | 0 |
| 25 - 30 | 109 | 3.9 | 0.9 | 0.1 | 22.7 | 1.1 | 28.4 | 18 | 2.3 | 0.7 | 0.2 | 123.6 | 0.0 | 7.4 | 127 | 0.9 | 1.7 | 0 |
| 30 - 40 | 219 | 7.9 | 2.2 | 0.3 | 28.8 | 2.9 | 38.2 | 34 | 4.3 | 1.6 | 0.4 | 163.6 | 0.1 | 7.1 | 253 | 2.2 | 4.4 | 1 |
| 40 - 50 | 209 | 7.5 | 2.7 | 0.4 | 38.0 | 3.0 | 42.3 | 34 | 4.3 | 2.4 | 0.7 | 215.1 | 0.1 | 8.7 | 243 | 2.8 | 5.4 | 0 |
| 50 - 100 | 549 | 19.7 | 11.6 | 1.8 | 60.4 | 12.8 | 66.6 | 94 | 11.9 | 9.8 | 2.6 | 364.2 | 0.2 | 8.9 | 643 | 11.8 | 22.6 | 0 |
| **Subtotal <=100** | **1,600** | **57.4** | **19.0** | **3.0** | **35.4** | **21.9** | **40.9** | **441** | **56.0** | **17.2** | **4.6** | **140.2** | **0.5** | **4.4** | **2,041** | **19.5** | **39.1** | **1** |
| 100 - 200 | 435 | 15.6 | 17.5 | 2.8 | 119.7 | 18.5 | 126.5 | 101 | 12.8 | 22.9 | 6.2 | 775.4 | 0.5 | 16.7 | 536 | 18.0 | 41.5 | 1 |
| 200 - 400 | 214 | 7.7 | 16.6 | 2.6 | 238.9 | 18.8 | 270.2 | 98 | 12.5 | 41.3 | 11.1 | 1,466.2 | 0.9 | 32.2 | 312 | 17.5 | 60.1 | 0 |
| 400 - 800 | 135 | 4.8 | 20.5 | 3.3 | 474.6 | 22.6 | 522.6 | 72 | 9.2 | 60.3 | 16.2 | 3,008.3 | 1.2 | 58.6 | 207 | 21.7 | 82.9 | 0 |
| 800 - 1,600 | 112 | 4.0 | 33.5 | 5.3 | 917.3 | 40.8 | 1,117.8 | 44 | 5.6 | 83.4 | 22.4 | 5,713.7 | 1.8 | 120.2 | 156 | 35.3 | 124.3 | 0 |
| 1,600 - 3,200 | 82 | 2.9 | 50.1 | 8.0 | 1,945.8 | 58.3 | 2,264.6 | 21 | 2.7 | 75.3 | 20.2 | 10,813.7 | 2.6 | 374.6 | 103 | 52.7 | 133.6 | 0 |
| 3,200 - 6,400 | 96 | 3.3 | 124.0 | 19.7 | 3,992.1 | 133.5 | 4,298.0 | 6 | 0.8 | 38.8 | 10.4 | 19,320.4 | 1.2 | 590.1 | 98 | 125.2 | 172.3 | 0 |
| 6,400 - 12,800 | 96 | 3.4 | 240.4 | 38.2 | 7,782.5 | 234.1 | 7,579.4 | 4 | 0.5 | 33.3 | 8.9 | 27,968.1 | 4.0 | 3,398.8 | 100 | 244.5 | 267.5 | 0 |
| > 12,800 | 23 | 0.8 | 107.7 | 17.1 | 15,735.4 | 75.3 | 10,992.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 107.7 | 75.3 | 0 |
| **Total** | **2,789** | **100.0** | **629.5** | **100.0** | **679.3** | **623.9** | **673.3** | **787** | **100.0** | **372.7** | **100.0** | **1,654.5** | **12.7** | **56.5** | **3,576** | **642.2** | **996.6** | **2** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B27. Federal Pacific oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 1 | 0.4 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 1 | 8.3 | 0.0 | 0.1 | 2.4 | 0.0 | 0.0 | 2 | 0.0 | 0.0 | 0 |
| 1 - 2 | 2 | 0.8 | 0.0 | 0.0 | 1.4 | 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 | 3 | 1.2 | 0.0 | 0.1 | 2.5 | 0.0 | 5.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3 | 0.0 | 0.0 | 0 |
| 4 - 6 | 7 | 2.7 | 0.0 | 0.2 | 4.7 | 0.0 | 4.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7 | 0.0 | 0.0 | 0 |
| 6 - 8 | 4 | 1.5 | 0.0 | 0.2 | 6.0 | 0.0 | 8.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 0.0 | 0.0 | 0 |
| 8 - 10 | 12 | 4.6 | 0.0 | 0.7 | 7.6 | 0.0 | 7.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 0.0 | 0.0 | 0 |
| **Subtotal <=10** | **29** | **11.2** | **0.1** | **1.1** | **5.9** | **0.1** | **6.5** | **1** | **8.3** | **0.0** | **0.1** | **2.4** | **0.0** | **0.0** | **30** | **0.1** | **0.1** | **0** |
| 10 - 12 | 7 | 2.7 | 0.0 | 0.5 | 9.8 | 0.0 | 6.3 | 1 | 8.3 | 0.0 | 1.3 | 42.8 | 0.0 | 4.1 | 8 | 0.0 | 0.0 | 0 |
| 12 - 15 | 17 | 6.5 | 0.1 | 1.3 | 11.2 | 0.1 | 12.8 | 1 | 8.3 | 0.0 | 2.3 | 46.5 | 0.0 | 5.9 | 18 | 0.1 | 0.1 | 0 |
| **Subtotal <=15** | **53** | **20.4** | **0.1** | **2.9** | **8.2** | **0.1** | **8.5** | **3** | **25.0** | **0.0** | **3.7** | **28.6** | **0.0** | **3.3** | **56** | **0.1** | **0.2** | **0** |
| 15 - 20 | 26 | 10.0 | 0.1 | 3.0 | 15.9 | 0.1 | 10.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 0.1 | 0.1 | 0 |
| 20 - 25 | 21 | 8.1 | 0.2 | 3.3 | 20.6 | 0.1 | 9.5 | 2 | 16.7 | 0.1 | 7.5 | 74.7 | 0.0 | 9.5 | 23 | 0.2 | 0.1 | 0 |
| 25 - 30 | 13 | 5.0 | 0.1 | 2.4 | 24.6 | 0.1 | 14.5 | 2 | 16.7 | 0.1 | 10.7 | 106.4 | 0.0 | 9.3 | 15 | 0.1 | 0.1 | 0 |
| 30 - 40 | 32 | 12.3 | 0.3 | 7.2 | 30.8 | 0.2 | 21.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 0.3 | 0.2 | 0 |
| 40 - 50 | 31 | 11.9 | 0.4 | 8.8 | 38.0 | 0.5 | 45.4 | 3 | 25.0 | 0.2 | 25.7 | 170.0 | 0.0 | 16.1 | 34 | 0.4 | 0.7 | 0 |
| 50 - 100 | 47 | 18.1 | 1.0 | 21.6 | 60.9 | 0.7 | 39.9 | 1 | 8.3 | 0.1 | 15.3 | 304.5 | 0.0 | 42.4 | 48 | 1.1 | 0.8 | 0 |
| **Subtotal <=100** | **223** | **85.8** | **2.4** | **49.2** | **30.3** | **1.8** | **23.1** | **11** | **91.7** | **0.5** | **62.9** | **118.2** | **0.1** | **12.9** | **234** | **2.4** | **2.3** | **0** |
| 100 - 200 | 26 | 10.0 | 1.1 | 22.8 | 122.5 | 0.5 | 53.4 | 1 | 8.3 | 0.3 | 37.1 | 737.1 | 0.0 | 57.7 | 27 | 1.1 | 0.8 | 0 |
| 200 - 400 | 6 | 2.3 | 0.5 | 11.1 | 289.1 | 0.2 | 101.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.5 | 0.2 | 0 |
| 400 - 800 | 5 | 1.9 | 0.8 | 16.9 | 446.8 | 0.2 | 129.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 | 0.8 | 0.2 | 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 |
| **Total** | **260** | **100.0** | **4.8** | **100.0** | **53.1** | **2.7** | **29.8** | **12** | **100.0** | **0.7** | **100.0** | **171.6** | **0.1** | **16.8** | **272** | **4.9** | **3.4** | **0** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B28. Florida oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 1 | 3.3 | 0.0 | 0.0 | 0.1 | 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 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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 | 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 | 0.0 | 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 |
| **Subtotal <=10** | **1** | **3.3** | **0.0** | **0.0** | **0.1** | **0.0** | **0.0** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **1** | **0.0** | **0.0** | **0** |
| 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 | 1 | 2.6 | 0.0 | 0.0 | 43.6 | 0.0 | 5.1 | 1 | 0.0 | 0.0 | 0 |
| **Subtotal <=15** | **1** | **3.3** | **0.0** | **0.0** | **0.1** | **0.0** | **0.0** | **1** | **2.6** | **0.0** | **0.0** | **43.6** | **0.0** | **5.1** | **2** | **0.0** | **0.0** | **0** |
| 15 - 20 | 1 | 3.3 | 0.0 | 0.7 | 15.0 | 0.0 | 3.8 | 1 | 2.6 | 0.0 | 0.1 | 82.7 | 0.0 | 0.0 | 2 | 0.0 | 0.0 | 1 |
| 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 | 1 | 3.3 | 0.0 | 0.8 | 16.1 | 0.0 | 67.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 0.0 | 0 |
| 30 - 40 | 2 | 6.7 | 0.0 | 2.1 | 22.8 | 0.0 | 44.4 | 1 | 2.6 | 0.1 | 0.3 | 202.2 | 0.0 | 2.9 | 3 | 0.0 | 0.1 | 0 |
| 40 - 50 | 5 | 16.7 | 0.1 | 8.2 | 34.8 | 0.1 | 51.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 | 0.1 | 0.1 | 0 |
| 50 - 100 | 11 | 36.7 | 0.2 | 31.5 | 66.4 | 0.1 | 32.6 | 6 | 15.4 | 0.8 | 4.1 | 358.8 | 0.0 | 16.7 | 17 | 0.3 | 0.9 | 0 |
| **Subtotal <=100** | **21** | **70.0** | **0.3** | **43.3** | **46.8** | **0.3** | **37.8** | **9** | **23.1** | **0.8** | **4.5** | **307.5** | **0.0** | **13.7** | **30** | **0.4** | **1.1** | **1** |
| 100 - 200 | 5 | 16.7 | 0.2 | 25.9 | 114.1 | 0.1 | 71.8 | 5 | 12.8 | 1.3 | 7.1 | 760.8 | 0.1 | 37.7 | 10 | 0.3 | 1.5 | 0 |
| 200 - 400 | 4 | 13.3 | 0.2 | 30.8 | 167.5 | 0.6 | 435.3 | 16 | 41.0 | 7.1 | 37.5 | 1,270.9 | 0.4 | 78.0 | 20 | 0.7 | 7.7 | 0 |
| 400 - 800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7 | 18.0 | 5.7 | 30.1 | 2,225.4 | 0.4 | 142.0 | 7 | 0.4 | 5.7 | 0 |
| 800 - 1,600 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 5.1 | 3.9 | 20.9 | 5,400.8 | 0.2 | 221.7 | 2 | 0.2 | 3.9 | 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 |
| **Total** | **30** | **100.0** | **0.8** | **100.0** | **74.9** | **1.0** | **98.4** | **39** | **100.0** | **18.9** | **100.0** | **1,414.7** | **1.1** | **79.6** | **69** | **1.8** | **19.9** | **1** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B29. Kansas oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 28,544 | 56.3 | 3.0 | 8.9 | 0.3 | 0.1 | 0.0 | 3,820 | 17.9 | 3.2 | 1.6 | 2.6 | 0.0 | 0.0 | 32,364 | 3.0 | 3.2 | 1 |
| 1 - 2 | 9,369 | 18.5 | 4.6 | 13.7 | 1.5 | 0.1 | 0.0 | 3,157 | 14.8 | 9.6 | 4.9 | 8.7 | 0.0 | 0.0 | 12,526 | 4.6 | 9.7 | 1 |
| 2 - 4 | 7,998 | 15.8 | 7.8 | 23.1 | 2.8 | 0.4 | 0.1 | 4,874 | 22.8 | 30.4 | 15.4 | 17.5 | 0.1 | 0.1 | 12,872 | 7.9 | 30.8 | 0 |
| 4 - 6 | 2,126 | 4.2 | 3.5 | 10.6 | 4.8 | 0.4 | 0.5 | 4,466 | 20.9 | 46.8 | 23.7 | 29.3 | 0.1 | 0.1 | 6,592 | 3.7 | 47.2 | 0 |
| 6 - 8 | 904 | 1.8 | 2.1 | 6.3 | 6.7 | 0.3 | 1.0 | 2,738 | 12.8 | 40.1 | 20.3 | 40.8 | 0.1 | 0.1 | 3,642 | 2.2 | 40.4 | 0 |
| 8 - 10 | 418 | 0.8 | 1.3 | 3.8 | 8.7 | 0.2 | 1.0 | 1,090 | 5.1 | 20.3 | 10.3 | 52.2 | 0.1 | 0.1 | 1,508 | 1.3 | 20.5 | 0 |
| **Subtotal <=10** | **49,359** | **97.3** | **22.3** | **66.3** | **1.4** | **1.4** | **0.1** | **20,145** | **94.3** | **150.3** | **76.2** | **21.4** | **0.4** | **0.1** | **69,504** | **22.7** | **151.7** | **2** |
| 10 - 12 | 313 | 0.6 | 1.2 | 3.6 | 10.9 | 0.1 | 1.0 | 407 | 1.9 | 9.0 | 4.6 | 63.3 | 0.0 | 0.3 | 720 | 1.3 | 9.1 | 0 |
| 12 - 15 | 286 | 0.6 | 1.3 | 3.9 | 13.1 | 0.2 | 2.1 | 277 | 1.3 | 7.2 | 3.6 | 75.9 | 0.1 | 0.6 | 563 | 1.4 | 7.4 | 0 |
| **Subtotal <=15** | **49,958** | **98.5** | **24.8** | **73.8** | **1.5** | **1.7** | **0.1** | **20,829** | **97.5** | **166.5** | **84.3** | **22.9** | **0.5** | **0.1** | **70,787** | **25.3** | **168.2** | **2** |
| 15 - 20 | 259 | 0.5 | 1.5 | 4.4 | 16.6 | 0.3 | 3.3 | 184 | 0.9 | 5.4 | 2.8 | 93.3 | 0.1 | 1.5 | 443 | 1.6 | 5.7 | 0 |
| 20 - 25 | 138 | 0.3 | 1.0 | 2.9 | 21.2 | 0.2 | 5.3 | 83 | 0.4 | 3.1 | 1.6 | 119.8 | 0.1 | 2.1 | 221 | 1.0 | 3.3 | 0 |
| 25 - 30 | 104 | 0.2 | 0.9 | 2.7 | 27.2 | 0.1 | 1.8 | 71 | 0.3 | 3.0 | 1.5 | 143.3 | 0.1 | 3.5 | 175 | 1.0 | 3.0 | 1 |
| 30 - 40 | 116 | 0.2 | 1.2 | 3.7 | 33.4 | 0.3 | 8.5 | 70 | 0.3 | 4.0 | 2.0 | 181.6 | 0.1 | 4.1 | 186 | 1.3 | 4.3 | 0 |
| 40 - 50 | 40 | 0.1 | 0.5 | 1.5 | 43.3 | 0.1 | 7.9 | 43 | 0.2 | 3.2 | 1.6 | 228.1 | 0.1 | 6.4 | 83 | 0.6 | 3.3 | 1 |
| 50 - 100 | 88 | 0.2 | 1.7 | 5.2 | 62.1 | 0.7 | 24.9 | 68 | 0.3 | 7.4 | 3.8 | 371.2 | 0.2 | 7.5 | 156 | 1.9 | 8.1 | 0 |
| **Subtotal <=100** | **50,703** | **99.9** | **31.7** | **94.3** | **1.9** | **3.4** | **0.2** | **21,348** | **99.9** | **192.6** | **97.5** | **26.0** | **1.1** | **0.1** | **72,051** | **32.7** | **196.0** | **4** |
| 100 - 200 | 29 | 0.1 | 0.9 | 2.8 | 123.1 | 0.3 | 41.9 | 18 | 0.1 | 4.0 | 2.0 | 799.6 | 0.1 | 14.9 | 47 | 1.0 | 4.3 | 0 |
| 200 - 400 | 10 | 0.0 | 1.0 | 2.9 | 281.0 | 0.0 | 8.5 | 3 | 0.0 | 0.5 | 0.3 | 1,003.8 | 0.0 | 51.9 | 13 | 1.0 | 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 | 1 | 0.0 | 0.3 | 0.2 | 10,165.4 | 0.0 | 0.0 | 1 | 0.0 | 0.3 | 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 |
| **Total** | **50,742** | **100.0** | **33.6** | **100.0** | **2.0** | **3.7** | **0.2** | **21,370** | **100.0** | **197.4** | **100.0** | **26.6** | **1.2** | **0.2** | **72,112** | **34.7** | **201.2** | **4** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B30. Kentucky oil and gas well summary statistics, 2015

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 4,290 | 75.9 | 0.5 | 19.2 | 0.3 | 0.0 | 0.0 | 4,376 | 30.5 | 4.7 | 5.0 | 3.1 | 0.0 | 0.0 | 8,666 | 0.5 | 4.7 | 41 |
| 1 - 2 | 631 | 11.2 | 0.3 | 12.8 | 1.3 | 0.1 | 0.4 | 3,468 | 24.2 | 11.0 | 11.7 | 8.8 | 0.0 | 0.0 | 4,099 | 0.3 | 11.1 | 24 |
| 2 - 4 | 369 | 6.5 | 0.3 | 14.2 | 2.6 | 0.2 | 1.4 | 3,627 | 25.3 | 22.3 | 23.8 | 17.0 | 0.0 | 0.0 | 3,996 | 0.4 | 22.5 | 102 |
| 4 - 6 | 116 | 2.1 | 0.2 | 7.4 | 4.3 | 0.1 | 3.6 | 1,385 | 9.7 | 14.5 | 15.4 | 28.8 | 0.0 | 0.0 | 1,501 | 0.2 | 14.6 | 163 |
| 6 - 8 | 81 | 1.4 | 0.2 | 7.6 | 6.3 | 0.1 | 3.7 | 604 | 4.2 | 8.9 | 9.5 | 40.8 | 0.0 | 0.1 | 685 | 0.2 | 9.0 | 177 |
| 8 - 10 | 29 | 0.5 | 0.1 | 3.4 | 8.0 | 0.1 | 5.4 | 282 | 2.0 | 5.3 | 5.7 | 52.6 | 0.0 | 0.1 | 311 | 0.1 | 5.4 | 122 |
| **Subtotal <=10** | **5,516** | **97.5** | **1.5** | **64.7** | **0.8** | **0.6** | **0.3** | **13,742** | **95.7** | **66.7** | **71.1** | **13.5** | **0.1** | **0.0** | **19,258** | **1.6** | **67.3** | **629** |
| 10 - 12 | 38 | 0.7 | 0.1 | 5.1 | 9.2 | 0.1 | 9.8 | 160 | 1.1 | 3.8 | 4.0 | 65.0 | 0.0 | 0.0 | 198 | 0.1 | 3.9 | 107 |
| 12 - 15 | 22 | 0.4 | 0.1 | 3.8 | 11.3 | 0.1 | 13.2 | 157 | 1.1 | 4.4 | 4.7 | 78.7 | 0.0 | 0.2 | 179 | 0.1 | 4.5 | 111 |
| **Subtotal <=15** | **5,576** | **98.6** | **1.7** | **73.5** | **0.9** | **0.8** | **0.4** | **14,059** | **97.9** | **74.9** | **79.8** | **14.8** | **0.1** | **0.0** | **19,635** | **1.8** | **75.7** | **847** |
| 15 - 20 | 35 | 0.6 | 0.2 | 7.4 | 13.9 | 0.2 | 19.3 | 108 | 0.8 | 3.9 | 4.2 | 101.6 | 0.0 | 0.1 | 143 | 0.2 | 4.2 | 112 |
| 20 - 25 | 12 | 0.2 | 0.1 | 3.4 | 20.4 | 0.0 | 12.4 | 40 | 0.3 | 1.9 | 2.0 | 133.2 | 0.0 | 0.2 | 52 | 0.1 | 2.0 | 35 |
| 25 - 30 | 8 | 0.1 | 0.1 | 2.5 | 23.1 | 0.1 | 27.2 | 28 | 0.2 | 1.6 | 1.7 | 162.4 | 0.0 | 0.1 | 36 | 0.1 | 1.7 | 29 |
| 30 - 40 | 14 | 0.3 | 0.1 | 5.6 | 28.2 | 0.1 | 29.1 | 57 | 0.4 | 4.0 | 4.3 | 208.1 | 0.0 | 0.1 | 71 | 0.1 | 4.2 | 65 |
| 40 - 50 | 3 | 0.1 | 0.0 | 1.7 | 40.9 | 0.0 | 32.2 | 27 | 0.2 | 2.4 | 2.5 | 269.6 | 0.0 | 0.0 | 30 | 0.0 | 2.4 | 28 |
| 50 - 100 | 7 | 0.1 | 0.1 | 5.8 | 54.2 | 0.1 | 48.1 | 37 | 0.3 | 4.7 | 5.0 | 369.4 | 0.0 | 0.0 | 44 | 0.1 | 4.8 | 42 |
| **Subtotal <=100** | **5,655** | **100.0** | **2.3** | **100.0** | **1.2** | **1.5** | **0.7** | **14,356** | **100.0** | **93.5** | **99.5** | **18.2** | **0.1** | **0.0** | **20,011** | **2.5** | **95.0** | **1,158** |
| 100 - 200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.0 | 0.4 | 0.5 | 652.8 | 0.0 | 0.0 | 2 | 0.0 | 0.4 | 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 |
| **Total** | **5,655** | **100.0** | **2.3** | **100.0** | **1.2** | **1.5** | **0.7** | **14,358** | **100.0** | **93.9** | **100.0** | **18.2** | **0.1** | **0.0** | **20,013** | **2.5** | **95.4** | **1,160** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B31. Louisiana oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 12,643 | 68.6 | 1.2 | 3.1 | 0.3 | 0.1 | 0.0 | 7,240 | 42.0 | 3.1 | 0.1 | 1.2 | 0.0 | 0.0 | 19,883 | 1.2 | 3.1 | 45 |
| 1 - 2 | 1,284 | 7.0 | 0.6 | 1.5 | 1.4 | 0.1 | 0.1 | 488 | 2.8 | 1.3 | 0.1 | 8.3 | 0.0 | 0.1 | 1,772 | 0.6 | 1.4 | 38 |
| 2 - 4 | 800 | 4.3 | 0.7 | 1.9 | 2.7 | 0.2 | 0.8 | 696 | 4.0 | 3.8 | 0.1 | 16.5 | 0.0 | 0.2 | 1,496 | 0.8 | 4.0 | 70 |
| 4 - 6 | 590 | 3.2 | 0.9 | 2.3 | 4.5 | 0.5 | 2.5 | 626 | 3.6 | 5.8 | 0.2 | 28.1 | 0.1 | 0.3 | 1,216 | 1.0 | 6.3 | 77 |
| 6 - 8 | 406 | 2.2 | 0.9 | 2.2 | 6.2 | 0.7 | 4.7 | 621 | 3.6 | 8.2 | 0.3 | 39.6 | 0.1 | 0.4 | 1,027 | 1.0 | 8.9 | 76 |
| 8 - 10 | 292 | 1.6 | 0.8 | 2.0 | 7.9 | 0.6 | 6.4 | 543 | 3.2 | 9.2 | 0.3 | 50.7 | 0.1 | 0.5 | 835 | 0.9 | 9.8 | 84 |
| **Subtotal <=10** | **16,015** | **86.9** | **5.1** | **12.9** | **0.9** | **2.1** | **0.4** | **10,214** | **59.3** | **31.4** | **1.1** | **9.1** | **0.3** | **0.1** | **26,229** | **5.4** | **33.5** | **390** |
| 10 - 12 | 198 | 1.1 | 0.7 | 1.7 | 9.5 | 0.6 | 8.3 | 545 | 3.2 | 11.5 | 0.4 | 62.7 | 0.1 | 0.6 | 743 | 0.8 | 12.1 | 85 |
| 12 - 15 | 280 | 1.5 | 1.1 | 2.9 | 11.8 | 0.9 | 9.8 | 647 | 3.8 | 16.7 | 0.6 | 76.8 | 0.1 | 0.7 | 927 | 1.3 | 17.6 | 133 |
| **Subtotal <=15** | **16,493** | **89.5** | **6.9** | **17.4** | **1.2** | **3.6** | **0.6** | **11,406** | **66.2** | **59.6** | **2.1** | **15.4** | **0.6** | **0.1** | **27,899** | **7.5** | **63.2** | **608** |
| 15 - 20 | 366 | 2.0 | 1.9 | 4.7 | 15.0 | 1.8 | 14.5 | 800 | 4.7 | 26.9 | 1.0 | 99.4 | 0.2 | 0.7 | 1,166 | 2.1 | 28.7 | 234 |
| 20 - 25 | 255 | 1.4 | 1.7 | 4.2 | 19.4 | 1.5 | 17.2 | 524 | 3.0 | 23.2 | 0.8 | 129.8 | 0.1 | 0.8 | 779 | 1.8 | 24.7 | 203 |
| 25 - 30 | 183 | 1.0 | 1.5 | 3.8 | 24.2 | 1.2 | 19.5 | 444 | 2.6 | 24.3 | 0.9 | 158.6 | 0.1 | 0.9 | 627 | 1.6 | 25.5 | 213 |
| 30 - 40 | 281 | 1.5 | 2.8 | 7.1 | 29.7 | 2.7 | 28.5 | 717 | 4.2 | 49.3 | 1.7 | 201.6 | 0.3 | 1.1 | 998 | 3.1 | 52.0 | 456 |
| 40 - 50 | 196 | 1.1 | 2.6 | 6.6 | 39.0 | 2.3 | 33.5 | 499 | 2.9 | 44.9 | 1.6 | 262.4 | 0.2 | 1.1 | 695 | 2.8 | 47.2 | 370 |
| 50 - 100 | 399 | 2.2 | 8.4 | 21.0 | 60.1 | 6.7 | 48.0 | 1,002 | 5.8 | 132.9 | 4.7 | 399.4 | 0.7 | 2.1 | 1,401 | 9.1 | 139.6 | 772 |
| **Subtotal <=100** | **18,173** | **98.6** | **25.8** | **64.9** | **4.1** | **19.8** | **3.2** | **15,392** | **89.4** | **361.0** | **12.7** | **69.3** | **2.2** | **0.4** | **33,565** | **28.0** | **380.8** | **2,856** |
| 100 - 200 | 166 | 0.9 | 7.0 | 17.7 | 129.1 | 4.2 | 76.7 | 556 | 3.2 | 145.6 | 5.1 | 819.4 | 0.7 | 3.9 | 722 | 7.7 | 149.7 | 439 |
| 200 - 400 | 61 | 0.3 | 4.6 | 11.5 | 230.4 | 4.8 | 240.6 | 361 | 2.1 | 192.4 | 6.8 | 1,651.9 | 1.1 | 9.4 | 422 | 5.7 | 197.2 | 293 |
| 400 - 800 | 19 | 0.1 | 1.8 | 4.5 | 397.3 | 4.5 | 1,004.2 | 309 | 1.8 | 333.7 | 11.8 | 3,343.4 | 1.6 | 15.6 | 328 | 3.3 | 338.2 | 263 |
| 800 - 1,600 | 4 | 0.0 | 0.6 | 1.5 | 597.2 | 2.0 | 1,990.2 | 275 | 1.6 | 599.8 | 21.2 | 6,832.5 | 1.0 | 11.6 | 279 | 1.6 | 601.8 | 255 |
| 1,600 - 3,200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 271 | 1.6 | 918.1 | 32.4 | 13,111.8 | 0.5 | 7.8 | 271 | 0.5 | 918.1 | 267 |
| 3,200 - 6,400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51 | 0.3 | 228.2 | 8.1 | 23,523.7 | 0.5 | 48.3 | 51 | 0.5 | 228.2 | 47 |
| 6,400 - 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.0 | 54.6 | 1.9 | 47,432.2 | 0.6 | 489.9 | 6 | 0.6 | 54.6 | 4 |
| > 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 |
| **Total** | **18,423** | **100.0** | **39.8** | **100.0** | **6.3** | **35.2** | **5.6** | **17,221** | **100.0** | **2,833.5** | **100.0** | **490.6** | **8.2** | **1.4** | **35,644** | **47.9** | **2,868.7** | **4,424** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B32. Maryland oil and gas well summary statistics, 2016

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | 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 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 1 | 100.0 | 0.0 | 100.0 | 16.0 | 0.0 | 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 | 0.0 | 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 |
| **Subtotal <=10** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **16.0** | **0.0** | **0.0** | **1** | **0.0** | **0.0** | **0** |
| 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 |
| **Subtotal <=15** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **16.0** | **0.0** | **0.0** | **1** | **0.0** | **0.0** | **0** |
| 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 |
| **Subtotal <=100** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **16.0** | **0.0** | **0.0** | **1** | **0.0** | **0.0** | **0** |
| 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 |
| **Total** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **16.0** | **0.0** | **0.0** | **1** | **0.0** | **0.0** | **0** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B33. Michigan oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 1,150 | 32.5 | 0.2 | 3.8 | 0.5 | 0.0 | 0.0 | 540 | 5.6 | 0.6 | 0.8 | 3.3 | 0.0 | 0.0 | 1,690 | 0.2 | 0.6 | 33 |
| 1 - 2 | 1,250 | 35.4 | 0.7 | 12.0 | 1.4 | 0.0 | 0.1 | 1,349 | 14.0 | 4.3 | 5.1 | 8.8 | 0.0 | 0.0 | 2,599 | 0.7 | 4.4 | 28 |
| 2 - 4 | 397 | 11.2 | 0.4 | 6.8 | 2.6 | 0.1 | 0.9 | 3,959 | 41.0 | 25.6 | 30.2 | 17.8 | 0.0 | 0.0 | 4,356 | 0.4 | 25.8 | 65 |
| 4 - 6 | 230 | 6.5 | 0.4 | 6.7 | 4.5 | 0.1 | 1.7 | 2,701 | 28.0 | 28.4 | 33.5 | 28.8 | 0.0 | 0.0 | 2,931 | 0.4 | 28.5 | 49 |
| 6 - 8 | 154 | 4.4 | 0.3 | 5.9 | 5.8 | 0.3 | 5.1 | 670 | 6.9 | 9.8 | 11.5 | 40.1 | 0.0 | 0.1 | 824 | 0.3 | 10.0 | 36 |
| 8 - 10 | 70 | 2.0 | 0.2 | 3.6 | 8.0 | 0.1 | 5.8 | 148 | 1.5 | 2.8 | 3.3 | 52.5 | 0.0 | 0.2 | 218 | 0.2 | 3.0 | 14 |
| **Subtotal <=10** | **3,251** | **91.9** | **2.1** | **38.9** | **1.8** | **0.7** | **0.6** | **9,367** | **97.0** | **71.6** | **84.4** | **21.0** | **0.1** | **0.0** | **12,618** | **2.2** | **72.3** | **225** |
| 10 - 12 | 48 | 1.4 | 0.2 | 3.0 | 9.5 | 0.1 | 7.8 | 79 | 0.8 | 1.8 | 2.1 | 62.5 | 0.0 | 0.4 | 127 | 0.2 | 1.9 | 8 |
| 12 - 15 | 51 | 1.4 | 0.2 | 4.1 | 12.1 | 0.2 | 9.2 | 82 | 0.9 | 2.2 | 2.6 | 74.4 | 0.0 | 0.9 | 133 | 0.2 | 2.3 | 14 |
| **Subtotal <=15** | **3,350** | **94.7** | **2.5** | **45.9** | **2.1** | **1.0** | **0.9** | **9,528** | **98.7** | **75.5** | **89.1** | **21.8** | **0.1** | **0.0** | **12,878** | **2.6** | **76.5** | **247** |
| 15 - 20 | 40 | 1.1 | 0.2 | 4.1 | 15.7 | 0.1 | 10.0 | 39 | 0.4 | 1.3 | 1.6 | 96.3 | 0.0 | 1.1 | 79 | 0.2 | 1.5 | 8 |
| 20 - 25 | 14 | 0.4 | 0.1 | 1.8 | 20.6 | 0.1 | 10.6 | 20 | 0.2 | 0.8 | 1.0 | 116.1 | 0.0 | 3.0 | 34 | 0.1 | 0.9 | 5 |
| 25 - 30 | 22 | 0.6 | 0.2 | 3.3 | 22.9 | 0.2 | 23.0 | 15 | 0.2 | 0.8 | 1.0 | 154.8 | 0.0 | 1.5 | 37 | 0.2 | 1.0 | 10 |
| 30 - 40 | 23 | 0.7 | 0.2 | 3.8 | 25.9 | 0.3 | 42.9 | 12 | 0.1 | 0.8 | 0.9 | 171.6 | 0.0 | 6.2 | 35 | 0.2 | 1.1 | 11 |
| 40 - 50 | 20 | 0.6 | 0.2 | 4.5 | 35.8 | 0.4 | 51.7 | 14 | 0.2 | 1.1 | 1.3 | 217.4 | 0.0 | 7.4 | 34 | 0.3 | 1.4 | 8 |
| 50 - 100 | 44 | 1.2 | 1.0 | 18.0 | 65.6 | 1.0 | 65.2 | 20 | 0.2 | 2.7 | 3.2 | 391.2 | 0.1 | 11.0 | 64 | 1.1 | 3.7 | 17 |
| **Subtotal <=100** | **3,513** | **99.4** | **4.4** | **81.5** | **3.6** | **3.1** | **2.5** | **9,648** | **99.9** | **83.1** | **98.0** | **23.7** | **0.3** | **0.1** | **13,161** | **4.7** | **86.1** | **306** |
| 100 - 200 | 18 | 0.5 | 0.7 | 12.1 | 111.4 | 0.6 | 108.1 | 7 | 0.1 | 1.7 | 2.0 | 668.1 | 0.1 | 30.7 | 25 | 0.7 | 2.3 | 6 |
| 200 - 400 | 5 | 0.1 | 0.4 | 6.4 | 191.7 | 0.6 | 318.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 | 0.4 | 0.6 | 2 |
| 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 |
| **Total** | **3,536** | **100.0** | **5.4** | **100.0** | **4.3** | **4.3** | **3.4** | **9,655** | **100.0** | **84.8** | **100.0** | **24.2** | **0.4** | **0.1** | **13,191** | **5.8** | **89.1** | **314** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B34. Mississippi oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 186 | 10.0 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 123 | 8.7 | 0.1 | 0.4 | 3.0 | 0.0 | 0.0 | 309 | 0.0 | 0.1 | 8 |
| 1 - 2 | 70 | 3.8 | 0.0 | 0.2 | 1.5 | 0.0 | 0.1 | 179 | 12.7 | 0.5 | 1.7 | 9.2 | 0.0 | 0.0 | 249 | 0.0 | 0.5 | 7 |
| 2 - 4 | 134 | 7.2 | 0.1 | 0.7 | 2.9 | 0.0 | 0.5 | 528 | 37.4 | 3.1 | 10.0 | 17.1 | 0.0 | 0.0 | 662 | 0.1 | 3.1 | 13 |
| 4 - 6 | 137 | 7.4 | 0.2 | 1.4 | 5.0 | 0.0 | 0.7 | 152 | 10.8 | 1.5 | 4.9 | 28.9 | 0.0 | 0.1 | 289 | 0.2 | 1.6 | 7 |
| 6 - 8 | 121 | 6.5 | 0.3 | 1.6 | 6.7 | 0.1 | 1.7 | 92 | 6.5 | 1.3 | 4.1 | 40.2 | 0.0 | 0.2 | 213 | 0.3 | 1.3 | 18 |
| 8 - 10 | 104 | 5.6 | 0.3 | 1.8 | 8.8 | 0.1 | 1.5 | 58 | 4.1 | 0.9 | 3.1 | 52.0 | 0.0 | 0.3 | 162 | 0.3 | 1.0 | 17 |
| **Subtotal <=10** | **752** | **40.3** | **1.0** | **5.8** | **4.1** | **0.2** | **0.8** | **1,132** | **80.2** | **7.5** | **24.2** | **19.7** | **0.0** | **0.0** | **1,884** | **1.0** | **7.6** | **70** |
| 10 - 12 | 80 | 4.3 | 0.3 | 1.8 | 10.7 | 0.1 | 1.9 | 35 | 2.5 | 0.7 | 2.4 | 64.7 | 0.0 | 0.3 | 115 | 0.3 | 0.8 | 12 |
| 12 - 15 | 130 | 7.0 | 0.6 | 3.5 | 13.1 | 0.1 | 2.0 | 39 | 2.8 | 1.0 | 3.1 | 75.8 | 0.0 | 0.7 | 169 | 0.6 | 1.0 | 17 |
| **Subtotal <=15** | **962** | **51.6** | **1.8** | **11.1** | **6.0** | **0.3** | **1.1** | **1,206** | **85.4** | **9.1** | **29.7** | **22.7** | **0.0** | **0.1** | **2,168** | **1.9** | **9.5** | **99** |
| 15 - 20 | 153 | 8.2 | 0.9 | 5.4 | 17.1 | 0.1 | 1.8 | 58 | 4.1 | 1.8 | 6.0 | 99.0 | 0.0 | 0.9 | 211 | 0.9 | 1.9 | 35 |
| 20 - 25 | 135 | 7.2 | 1.0 | 5.9 | 22.0 | 0.1 | 2.9 | 33 | 2.3 | 1.3 | 4.3 | 125.0 | 0.0 | 1.3 | 168 | 1.0 | 1.4 | 22 |
| 25 - 30 | 73 | 3.9 | 0.7 | 4.2 | 26.6 | 0.1 | 4.2 | 19 | 1.4 | 0.9 | 3.0 | 147.2 | 0.0 | 3.0 | 92 | 0.7 | 1.0 | 19 |
| 30 - 40 | 128 | 6.9 | 1.5 | 9.1 | 33.6 | 0.3 | 5.7 | 26 | 1.8 | 1.8 | 5.9 | 200.1 | 0.0 | 1.5 | 154 | 1.5 | 2.1 | 25 |
| 40 - 50 | 100 | 5.4 | 1.5 | 9.0 | 43.7 | 0.2 | 6.0 | 7 | 0.5 | 0.6 | 2.1 | 250.7 | 0.0 | 2.6 | 107 | 1.5 | 0.8 | 7 |
| 50 - 100 | 216 | 11.6 | 5.0 | 30.2 | 66.4 | 0.9 | 12.5 | 32 | 2.3 | 4.3 | 14.0 | 387.6 | 0.1 | 4.5 | 248 | 5.1 | 5.3 | 43 |
| **Subtotal <=100** | **1,767** | **94.8** | **12.4** | **74.7** | **21.3** | **2.1** | **3.5** | **1,381** | **97.8** | **20.0** | **64.9** | **43.4** | **0.2** | **0.3** | **3,148** | **12.6** | **22.1** | **250** |
| 100 - 200 | 74 | 4.0 | 3.0 | 18.0 | 121.1 | 1.5 | 61.7 | 17 | 1.2 | 4.1 | 13.5 | 733.2 | 0.0 | 4.6 | 91 | 3.0 | 5.7 | 11 |
| 200 - 400 | 21 | 1.1 | 0.9 | 5.6 | 205.8 | 1.3 | 286.7 | 9 | 0.6 | 2.6 | 8.4 | 1,132.7 | 0.1 | 34.3 | 30 | 1.0 | 3.9 | 5 |
| 400 - 800 | 2 | 0.1 | 0.3 | 1.8 | 406.9 | 0.1 | 167.9 | 4 | 0.3 | 2.7 | 8.6 | 1,822.2 | 0.2 | 160.8 | 6 | 0.5 | 2.8 | 4 |
| 800 - 1,600 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.1 | 1.4 | 4.7 | 3,942.0 | 0.1 | 371.7 | 1 | 0.1 | 1.4 | 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 |
| **Total** | **1,864** | **100.0** | **16.6** | **100.0** | **27.2** | **5.0** | **8.2** | **1,412** | **100.0** | **30.8** | **100.0** | **65.5** | **0.6** | **1.3** | **3,276** | **17.3** | **35.8** | **271** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B35. Missouri oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 7 | 31.8 | 0.0 | 0.6 | 0.2 | 0.0 | 0.0 | 1 | 100.0 | 0.0 | 100.0 | 3.6 | 0.0 | 0.0 | 8 | 0.0 | 0.0 | 0 |
| 1 - 2 | 2 | 9.1 | 0.0 | 1.5 | 1.9 | 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 | 4 | 18.2 | 0.0 | 4.3 | 2.9 | 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 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 0.0 | 0 |
| 8 - 10 | 2 | 9.1 | 0.0 | 6.7 | 8.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.0 | 0.0 | 0 |
| **Subtotal <=10** | **15** | **68.2** | **0.0** | **13.0** | **2.3** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **3.6** | **0.0** | **0.0** | **16** | **0.0** | **0.0** | **0** |
| 10 - 12 | 1 | 4.6 | 0.0 | 4.0 | 10.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 0.0 | 0 |
| 12 - 15 | 1 | 4.6 | 0.0 | 5.0 | 12.2 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 0.0 | 0 |
| **Subtotal <=15** | **17** | **77.3** | **0.0** | **22.0** | **3.4** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **3.6** | **0.0** | **0.0** | **18** | **0.0** | **0.0** | **0** |
| 15 - 20 | 1 | 4.6 | 0.0 | 7.6 | 18.7 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 0.0 | 0 |
| 20 - 25 | 2 | 9.1 | 0.0 | 17.8 | 22.1 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.0 | 0.0 | 0 |
| 25 - 30 | 1 | 4.6 | 0.0 | 11.5 | 28.5 | 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 |
| **Subtotal <=100** | **21** | **95.5** | **0.0** | **58.9** | **7.4** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **3.6** | **0.0** | **0.0** | **22** | **0.0** | **0.0** | **0** |
| 100 - 200 | 1 | 4.6 | 0.0 | 41.1 | 101.7 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 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 |
| **Total** | **22** | **100.0** | **0.0** | **100.0** | **11.9** | **0.0** | **0.0** | **1** | **100.0** | **0.0** | **100.0** | **3.6** | **0.0** | **0.0** | **23** | **0.0** | **0.0** | **0** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B36. Montana oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 1,438 | 31.6 | 0.2 | 0.9 | 0.4 | 0.0 | 0.0 | 1,872 | 35.2 | 1.8 | 6.8 | 2.8 | 0.0 | 0.0 | 3,310 | 0.2 | 1.8 | 49 |
| 1 - 2 | 393 | 8.6 | 0.2 | 0.9 | 1.4 | 0.0 | 0.1 | 1,261 | 23.7 | 3.9 | 15.1 | 8.8 | 0.0 | 0.0 | 1,654 | 0.2 | 3.9 | 28 |
| 2 - 4 | 328 | 7.2 | 0.3 | 1.4 | 2.7 | 0.1 | 0.7 | 1,284 | 24.2 | 7.8 | 29.8 | 16.9 | 0.0 | 0.0 | 1,612 | 0.3 | 7.8 | 44 |
| 4 - 6 | 186 | 4.1 | 0.3 | 1.4 | 4.7 | 0.1 | 1.6 | 534 | 10.1 | 5.7 | 21.8 | 29.5 | 0.0 | 0.0 | 720 | 0.3 | 5.8 | 50 |
| 6 - 8 | 188 | 4.1 | 0.4 | 2.0 | 6.4 | 0.2 | 2.8 | 212 | 4.0 | 3.1 | 12.0 | 40.5 | 0.0 | 0.0 | 400 | 0.4 | 3.3 | 94 |
| 8 - 10 | 171 | 3.8 | 0.5 | 2.3 | 8.2 | 0.3 | 5.2 | 68 | 1.3 | 1.3 | 5.0 | 53.3 | 0.0 | 0.0 | 239 | 0.5 | 1.6 | 80 |
| **Subtotal <=10** | **2,704** | **59.3** | **1.9** | **8.9** | **2.1** | **0.7** | **0.8** | **5,231** | **98.4** | **23.5** | **90.5** | **12.9** | **0.0** | **0.0** | **7,935** | **1.9** | **24.2** | **345** |
| 10 - 12 | 199 | 4.4 | 0.7 | 3.2 | 9.8 | 0.5 | 7.0 | 32 | 0.6 | 0.7 | 2.8 | 66.6 | 0.0 | 0.0 | 231 | 0.7 | 1.2 | 109 |
| 12 - 15 | 260 | 5.7 | 1.1 | 5.1 | 11.7 | 0.9 | 10.2 | 22 | 0.4 | 0.6 | 2.2 | 74.3 | 0.0 | 0.9 | 282 | 1.1 | 1.5 | 161 |
| **Subtotal <=15** | **3,163** | **69.4** | **3.7** | **17.2** | **3.4** | **2.1** | **2.0** | **5,285** | **99.5** | **24.8** | **95.5** | **13.5** | **0.0** | **0.0** | **8,448** | **3.7** | **27.0** | **615** |
| 15 - 20 | 302 | 6.6 | 1.6 | 7.7 | 15.2 | 1.4 | 13.3 | 18 | 0.3 | 0.6 | 2.5 | 98.1 | 0.0 | 0.3 | 320 | 1.7 | 2.1 | 207 |
| 20 - 25 | 250 | 5.5 | 1.7 | 8.1 | 19.1 | 1.8 | 19.6 | 3 | 0.1 | 0.1 | 0.6 | 135.2 | 0.0 | 0.0 | 253 | 1.7 | 1.9 | 183 |
| 25 - 30 | 163 | 3.6 | 1.3 | 6.1 | 22.6 | 1.7 | 28.8 | 4 | 0.1 | 0.1 | 0.6 | 114.0 | 0.0 | 8.1 | 167 | 1.3 | 1.8 | 143 |
| 30 - 40 | 232 | 5.1 | 2.4 | 11.2 | 29.1 | 2.9 | 35.0 | 4 | 0.1 | 0.2 | 0.9 | 181.6 | 0.0 | 3.6 | 236 | 2.4 | 3.1 | 196 |
| 40 - 50 | 165 | 3.6 | 2.2 | 10.1 | 37.0 | 2.7 | 46.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 165 | 2.2 | 2.7 | 130 |
| 50 - 100 | 197 | 4.3 | 3.8 | 17.6 | 54.0 | 4.6 | 65.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 197 | 3.8 | 4.6 | 144 |
| **Subtotal <=100** | **4,472** | **98.1** | **16.7** | **77.9** | **10.7** | **17.2** | **11.1** | **5,314** | **100.0** | **26.0** | **100.0** | **14.0** | **0.0** | **0.0** | **9,786** | **16.8** | **43.3** | **1,618** |
| 100 - 200 | 51 | 1.1 | 1.8 | 8.3 | 104.4 | 2.1 | 121.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51 | 1.8 | 2.1 | 39 |
| 200 - 400 | 8 | 0.2 | 0.4 | 2.1 | 221.1 | 0.1 | 45.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8 | 0.4 | 0.1 | 3 |
| 400 - 800 | 22 | 0.5 | 2.0 | 9.4 | 479.9 | 1.6 | 378.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 2.0 | 1.6 | 22 |
| 800 - 1,600 | 2 | 0.0 | 0.3 | 1.3 | 1,000.6 | 0.1 | 330.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.3 | 0.1 | 2 |
| 1,600 - 3,200 | 2 | 0.0 | 0.2 | 1.1 | 2,678.5 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.2 | 0.0 | 2 |
| 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 |
| **Total** | **4,557** | **100.0** | **21.5** | **100.0** | **13.6** | **21.1** | **13.3** | **5,314** | **100.0** | **26.0** | **100.0** | **14.0** | **0.0** | **0.0** | **9,871** | **21.5** | **47.1** | **1,686** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B37. Nebraska oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 691 | 32.9 | 0.1 | 6.4 | 0.5 | 0.0 | 0.0 | 77 | 48.1 | 0.0 | 12.4 | 2.2 | 0.0 | 0.0 | 768 | 0.1 | 0.0 | 1 |
| 1 - 2 | 684 | 32.5 | 0.4 | 19.1 | 1.5 | 0.0 | 0.0 | 49 | 30.6 | 0.2 | 40.3 | 8.9 | 0.0 | 0.0 | 733 | 0.4 | 0.2 | 0 |
| 2 - 4 | 387 | 18.4 | 0.4 | 19.1 | 2.7 | 0.0 | 0.0 | 33 | 20.6 | 0.2 | 45.1 | 14.7 | 0.0 | 0.0 | 420 | 0.4 | 0.2 | 0 |
| 4 - 6 | 135 | 6.4 | 0.2 | 12.1 | 5.0 | 0.0 | 0.2 | 1 | 0.6 | 0.0 | 2.2 | 23.2 | 0.0 | 0.0 | 136 | 0.2 | 0.0 | 0 |
| 6 - 8 | 100 | 4.8 | 0.2 | 11.9 | 6.6 | 0.0 | 0.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100 | 0.2 | 0.0 | 0 |
| 8 - 10 | 28 | 1.3 | 0.1 | 4.4 | 8.8 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 0.1 | 0.0 | 0 |
| **Subtotal <=10** | **2,025** | **96.3** | **1.5** | **73.1** | **2.0** | **0.0** | **0.1** | **160** | **100.0** | **0.4** | **100.0** | **7.5** | **0.0** | **0.0** | **2,185** | **1.5** | **0.4** | **1** |
| 10 - 12 | 11 | 0.5 | 0.0 | 2.2 | 11.1 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 0.0 | 0.0 | 0 |
| 12 - 15 | 18 | 0.9 | 0.1 | 4.0 | 12.9 | 0.0 | 0.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 0.1 | 0.0 | 0 |
| **Subtotal <=15** | **2,054** | **97.7** | **1.6** | **79.3** | **2.1** | **0.0** | **0.1** | **160** | **100.0** | **0.4** | **100.0** | **7.5** | **0.0** | **0.0** | **2,214** | **1.6** | **0.4** | **1** |
| 15 - 20 | 24 | 1.1 | 0.1 | 7.2 | 16.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 0.1 | 0.0 | 0 |
| 20 - 25 | 9 | 0.4 | 0.1 | 3.7 | 22.8 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9 | 0.1 | 0.0 | 1 |
| 25 - 30 | 3 | 0.1 | 0.0 | 1.5 | 26.3 | 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 | 0.1 | 0.0 | 1.1 | 36.3 | 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 | 6 | 0.3 | 0.1 | 3.8 | 43.8 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.1 | 0.0 | 0 |
| 50 - 100 | 3 | 0.1 | 0.0 | 2.4 | 57.5 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3 | 0.0 | 0.0 | 0 |
| **Subtotal <=100** | **2,102** | **100.0** | **2.0** | **98.9** | **2.6** | **0.0** | **0.1** | **160** | **100.0** | **0.4** | **100.0** | **7.5** | **0.0** | **0.0** | **2,262** | **2.0** | **0.4** | **2** |
| 100 - 200 | 1 | 0.1 | 0.0 | 1.1 | 118.6 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 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 |
| **Total** | **2,103** | **100.0** | **2.0** | **100.0** | **2.6** | **0.0** | **0.1** | **160** | **100.0** | **0.4** | **100.0** | **7.5** | **0.0** | **0.0** | **2,263** | **2.0** | **0.4** | **2** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B38. Nevada oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 9 | 15.3 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9 | 0.0 | 0.0 | 0 |
| 1 - 2 | 4 | 6.8 | 0.0 | 0.6 | 1.7 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 0.0 | 0.0 | 0 |
| 2 - 4 | 6 | 10.2 | 0.0 | 2.7 | 3.2 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.0 | 0.0 | 0 |
| 4 - 6 | 6 | 10.2 | 0.0 | 4.6 | 5.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.0 | 0.0 | 0 |
| 6 - 8 | 4 | 6.8 | 0.0 | 3.9 | 6.9 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 0.0 | 0.0 | 0 |
| 8 - 10 | 4 | 6.8 | 0.0 | 5.2 | 9.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 0.0 | 0.0 | 0 |
| **Subtotal <=10** | **33** | **55.9** | **0.0** | **17.3** | **4.0** | **0.0** | **0.0** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **33** | **0.0** | **0.0** | **0** |
| 10 - 12 | 6 | 10.2 | 0.0 | 9.7 | 11.2 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.0 | 0.0 | 0 |
| 12 - 15 | 6 | 10.2 | 0.0 | 11.7 | 13.6 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.0 | 0.0 | 0 |
| **Subtotal <=15** | **45** | **76.3** | **0.1** | **38.7** | **6.4** | **0.0** | **0.0** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **45** | **0.1** | **0.0** | **0** |
| 15 - 20 | 3 | 5.1 | 0.0 | 6.7 | 15.5 | 0.0 | 0.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3 | 0.0 | 0.0 | 0 |
| 20 - 25 | 2 | 3.4 | 0.0 | 6.6 | 22.8 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.0 | 0.0 | 0 |
| 25 - 30 | 3 | 5.1 | 0.0 | 8.6 | 26.6 | 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 | 4 | 6.8 | 0.0 | 18.9 | 32.8 | 0.0 | 0.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 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 | 2 | 3.4 | 0.1 | 20.6 | 71.8 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0.1 | 0.0 | 0 |
| **Subtotal <=100** | **59** | **100.0** | **0.3** | **100.0** | **12.6** | **0.0** | **0.1** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **59** | **0.3** | **0.0** | **0** |
| 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 |
| **Total** | **59** | **100.0** | **0.3** | **100.0** | **12.6** | **0.0** | **0.1** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **59** | **0.3** | **0.0** | **0** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B39. New Mexico oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 3,501 | 19.5 | 0.4 | 0.2 | 0.4 | 0.2 | 0.2 | 4,518 | 11.2 | 3.7 | 0.3 | 2.5 | 0.0 | 0.0 | 8,019 | 0.5 | 3.9 | 114 |
| 1 - 2 | 2,049 | 11.4 | 0.9 | 0.4 | 1.2 | 1.0 | 1.4 | 3,376 | 8.4 | 9.8 | 0.9 | 8.4 | 0.1 | 0.1 | 5,425 | 1.0 | 10.8 | 76 |
| 2 - 4 | 2,620 | 14.6 | 2.1 | 1.0 | 2.3 | 3.1 | 3.4 | 6,015 | 14.9 | 34.7 | 3.3 | 16.5 | 0.5 | 0.2 | 8,635 | 2.6 | 37.8 | 169 |
| 4 - 6 | 1,630 | 9.1 | 2.2 | 1.0 | 3.8 | 3.9 | 6.8 | 5,102 | 12.7 | 49.2 | 4.6 | 27.5 | 0.7 | 0.4 | 6,732 | 2.9 | 53.1 | 206 |
| 6 - 8 | 1,128 | 6.3 | 2.1 | 1.0 | 5.3 | 4.0 | 10.0 | 4,215 | 10.5 | 57.2 | 5.4 | 38.8 | 0.8 | 0.5 | 5,343 | 2.8 | 61.2 | 243 |
| 8 - 10 | 769 | 4.3 | 1.8 | 0.8 | 6.7 | 3.6 | 13.3 | 3,365 | 8.4 | 58.9 | 5.5 | 50.2 | 0.7 | 0.6 | 4,134 | 2.5 | 62.4 | 184 |
| **Subtotal <=10** | **11,697** | **65.1** | **9.5** | **4.4** | **2.4** | **15.7** | **4.0** | **26,591** | **66.1** | **213.5** | **20.1** | **23.3** | **2.8** | **0.3** | **38,288** | **12.3** | **229.2** | **992** |
| 10 - 12 | 555 | 3.1 | 1.6 | 0.7 | 8.2 | 3.2 | 16.8 | 2,538 | 6.3 | 53.9 | 5.1 | 61.1 | 0.7 | 0.8 | 3,093 | 2.3 | 57.1 | 201 |
| 12 - 15 | 559 | 3.1 | 2.0 | 0.9 | 10.3 | 3.8 | 19.1 | 2,775 | 6.9 | 72.6 | 6.8 | 75.7 | 0.7 | 0.8 | 3,334 | 2.7 | 76.4 | 260 |
| **Subtotal <=15** | **12,811** | **71.3** | **13.1** | **6.0** | **3.0** | **22.7** | **5.2** | **31,904** | **79.3** | **340.0** | **31.9** | **30.9** | **4.2** | **0.4** | **44,715** | **17.3** | **362.7** | **1,453** |
| 15 - 20 | 687 | 3.8 | 3.2 | 1.5 | 13.2 | 6.2 | 25.6 | 2,618 | 6.5 | 87.5 | 8.2 | 97.8 | 0.8 | 0.9 | 3,305 | 4.0 | 93.7 | 411 |
| 20 - 25 | 451 | 2.5 | 2.6 | 1.2 | 16.7 | 5.4 | 34.5 | 1,451 | 3.6 | 61.8 | 5.8 | 126.0 | 0.6 | 1.2 | 1,902 | 3.2 | 67.2 | 321 |
| 25 - 30 | 344 | 1.9 | 2.5 | 1.1 | 20.3 | 5.3 | 43.9 | 870 | 2.2 | 43.9 | 4.1 | 153.1 | 0.5 | 1.7 | 1,214 | 3.0 | 49.2 | 264 |
| 30 - 40 | 532 | 3.0 | 4.8 | 2.2 | 25.5 | 10.7 | 56.9 | 1,008 | 2.5 | 63.1 | 5.9 | 190.9 | 0.8 | 2.5 | 1,540 | 5.6 | 73.8 | 487 |
| 40 - 50 | 365 | 2.0 | 4.2 | 2.0 | 32.4 | 9.7 | 74.1 | 598 | 1.5 | 47.4 | 4.5 | 241.5 | 0.8 | 4.3 | 963 | 5.1 | 57.1 | 408 |
| 50 - 100 | 921 | 5.1 | 16.7 | 7.7 | 51.3 | 37.6 | 115.3 | 1,088 | 2.7 | 121.7 | 11.4 | 343.6 | 3.7 | 10.5 | 2,009 | 20.4 | 159.3 | 1,198 |
| **Subtotal <=100** | **16,111** | **89.7** | **47.1** | **21.7** | **8.5** | **97.6** | **17.7** | **39,537** | **98.2** | **765.4** | **71.9** | **56.4** | **11.5** | **0.9** | **55,648** | **58.6** | **863.0** | **4,542** |
| 100 - 200 | 486 | 2.7 | 17.3 | 8.0 | 102.6 | 37.6 | 223.3 | 368 | 0.9 | 73.0 | 6.9 | 620.5 | 4.0 | 34.2 | 854 | 21.3 | 110.7 | 666 |
| 200 - 400 | 435 | 2.4 | 29.1 | 13.4 | 209.2 | 61.7 | 442.7 | 177 | 0.4 | 67.4 | 6.3 | 1,179.2 | 4.4 | 76.8 | 612 | 33.5 | 129.1 | 558 |
| 400 - 800 | 473 | 2.6 | 52.5 | 24.2 | 414.4 | 115.6 | 911.9 | 92 | 0.2 | 65.1 | 6.1 | 2,390.6 | 4.5 | 167.1 | 565 | 57.1 | 180.7 | 553 |
| 800 - 1,600 | 385 | 2.1 | 56.9 | 26.3 | 799.0 | 128.7 | 1,806.0 | 68 | 0.2 | 81.8 | 7.7 | 4,318.1 | 6.7 | 355.8 | 453 | 63.7 | 210.5 | 452 |
| 1,600 - 3,200 | 67 | 0.4 | 13.5 | 6.2 | 1,468.8 | 26.7 | 2,903.5 | 9 | 0.0 | 12.0 | 1.1 | 7,580.9 | 0.7 | 456.7 | 76 | 14.2 | 38.8 | 76 |
| 3,200 - 6,400 | 1 | 0.0 | 0.3 | 0.2 | 2,804.5 | 0.6 | 5,172.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.3 | 0.6 | 1 |
| 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 |
| **Total** | **17,958** | **100.0** | **216.8** | **100.0** | **35.9** | **468.5** | **77.7** | **40,251** | **100.0** | **1,064.8** | **100.0** | **77.3** | **32.0** | **2.3** | **58,209** | **248.8** | **1,533.3** | **6,848** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B40. New York oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 2,324 | 84.8 | 0.1 | 52.1 | 0.2 | 0.2 | 0.4 | 6,531 | 89.5 | 4.3 | 36.8 | 2.0 | 0.0 | 0.0 | 8,855 | 0.1 | 4.5 | 10 |
| 1 - 2 | 181 | 6.6 | 0.0 | 13.6 | 1.3 | 0.0 | 1.0 | 566 | 7.8 | 1.7 | 14.3 | 8.0 | 0.0 | 0.0 | 747 | 0.0 | 1.7 | 9 |
| 2 - 4 | 182 | 6.6 | 0.0 | 14.6 | 2.8 | 0.0 | 0.7 | 129 | 1.8 | 0.7 | 6.4 | 15.8 | 0.0 | 0.0 | 311 | 0.0 | 0.8 | 9 |
| 4 - 6 | 26 | 1.0 | 0.0 | 3.5 | 5.1 | 0.0 | 0.5 | 20 | 0.3 | 0.2 | 1.8 | 29.0 | 0.0 | 0.0 | 46 | 0.0 | 0.2 | 3 |
| 6 - 8 | 18 | 0.7 | 0.0 | 13.7 | 7.1 | 0.0 | 0.1 | 6 | 0.1 | 0.1 | 0.8 | 42.8 | 0.0 | 0.0 | 24 | 0.0 | 0.1 | 2 |
| 8 - 10 | 6 | 0.2 | 0.0 | 0.8 | 9.1 | 0.0 | 0.0 | 4 | 0.1 | 0.1 | 0.7 | 53.3 | 0.0 | 0.0 | 10 | 0.0 | 0.1 | 2 |
| **Subtotal <=10** | **2,737** | **99.8** | **0.2** | **98.2** | **0.4** | **0.2** | **0.4** | **7,256** | **99.4** | **7.0** | **60.9** | **2.9** | **0.0** | **0.0** | **9,993** | **0.2** | **7.3** | **35** |
| 10 - 12 | 1 | 0.0 | 0.0 | 0.2 | 10.3 | 0.0 | 0.0 | 7 | 0.1 | 0.2 | 1.4 | 64.0 | 0.0 | 0.0 | 8 | 0.0 | 0.2 | 3 |
| 12 - 15 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 | 0.1 | 0.1 | 1.3 | 80.6 | 0.0 | 0.0 | 5 | 0.0 | 0.1 | 2 |
| **Subtotal <=15** | **2,738** | **99.9** | **0.2** | **98.4** | **0.4** | **0.2** | **0.4** | **7,268** | **99.6** | **7.3** | **63.5** | **3.1** | **0.0** | **0.0** | **10,006** | **0.2** | **7.6** | **40** |
| 15 - 20 | 1 | 0.0 | 0.0 | 0.3 | 16.6 | 0.0 | 0.0 | 7 | 0.1 | 0.3 | 2.3 | 102.2 | 0.0 | 0.0 | 8 | 0.0 | 0.3 | 4 |
| 20 - 25 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.1 | 0.3 | 2.5 | 130.5 | 0.0 | 0.0 | 6 | 0.0 | 0.3 | 2 |
| 25 - 30 | 1 | 0.0 | 0.0 | 0.4 | 26.3 | 0.0 | 0.0 | 4 | 0.1 | 0.3 | 2.2 | 170.9 | 0.0 | 0.0 | 5 | 0.0 | 0.3 | 2 |
| 30 - 40 | 2 | 0.1 | 0.0 | 1.0 | 34.4 | 0.0 | 0.0 | 4 | 0.1 | 0.3 | 2.6 | 208.5 | 0.0 | 0.0 | 6 | 0.0 | 0.3 | 0 |
| 40 - 50 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 0.1 | 0.4 | 3.5 | 274.6 | 0.0 | 0.0 | 4 | 0.0 | 0.4 | 0 |
| 50 - 100 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 0.1 | 0.6 | 5.2 | 408.1 | 0.0 | 0.0 | 4 | 0.0 | 0.6 | 1 |
| **Subtotal <=100** | **2,742** | **100.0** | **0.2** | **100.0** | **0.4** | **0.2** | **0.4** | **7,297** | **100.0** | **9.4** | **81.7** | **3.9** | **0.0** | **0.0** | **10,039** | **0.2** | **9.7** | **49** |
| 100 - 200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 0.4 | 3.1 | 979.5 | 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 | 4.1 | 1,296.8 | 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 | 1 | 0.0 | 1.3 | 11.1 | 3,520.5 | 0.0 | 0.0 | 1 | 0.0 | 1.3 | 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 |
| **Total** | **2,742** | **100.0** | **0.2** | **100.0** | **0.4** | **0.2** | **0.4** | **7,300** | **100.0** | **11.6** | **100.0** | **4.8** | **0.0** | **0.0** | **10,042** | **0.2** | **11.8** | **50** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B41. North Dakota oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 294 | 1.9 | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 119 | 17.5 | 0.1 | 0.1 | 2.6 | 0.0 | 0.0 | 413 | 0.0 | 0.1 | 102 |
| 1 - 2 | 166 | 1.1 | 0.1 | 0.0 | 1.4 | 0.0 | 0.4 | 59 | 8.7 | 0.2 | 0.3 | 8.5 | 0.0 | 0.1 | 225 | 0.1 | 0.2 | 39 |
| 2 - 4 | 345 | 2.2 | 0.3 | 0.1 | 2.8 | 0.1 | 1.3 | 55 | 8.1 | 0.3 | 0.4 | 14.9 | 0.0 | 0.4 | 400 | 0.3 | 0.4 | 116 |
| 4 - 6 | 268 | 1.7 | 0.4 | 0.1 | 4.5 | 0.2 | 2.6 | 21 | 3.1 | 0.1 | 0.2 | 19.7 | 0.0 | 1.6 | 289 | 0.4 | 0.4 | 113 |
| 6 - 8 | 296 | 1.9 | 0.6 | 0.1 | 6.2 | 0.5 | 4.7 | 12 | 1.8 | 0.1 | 0.2 | 27.0 | 0.0 | 2.4 | 308 | 0.6 | 0.6 | 135 |
| 8 - 10 | 238 | 1.5 | 0.6 | 0.1 | 7.8 | 0.6 | 7.0 | 11 | 1.6 | 0.1 | 0.2 | 38.6 | 0.0 | 2.4 | 249 | 0.7 | 0.7 | 147 |
| **Subtotal <=10** | **1,607** | **10.2** | **2.1** | **0.5** | **4.0** | **1.5** | **2.8** | **277** | **40.8** | **0.9** | **1.3** | **10.3** | **0.0** | **0.4** | **1,884** | **2.2** | **2.4** | **652** |
| 10 - 12 | 260 | 1.7 | 0.9 | 0.2 | 9.5 | 0.8 | 9.3 | 5 | 0.7 | 0.1 | 0.1 | 39.0 | 0.0 | 4.7 | 265 | 0.9 | 0.9 | 174 |
| 12 - 15 | 385 | 2.5 | 1.5 | 0.3 | 11.5 | 1.6 | 11.9 | 8 | 1.2 | 0.2 | 0.2 | 55.0 | 0.0 | 3.9 | 393 | 1.5 | 1.7 | 286 |
| **Subtotal <=15** | **2,252** | **14.3** | **4.5** | **1.0** | **6.0** | **3.9** | **5.2** | **290** | **42.7** | **1.1** | **1.7** | **12.1** | **0.1** | **0.6** | **2,542** | **4.6** | **5.0** | **1,112** |
| 15 - 20 | 630 | 4.0 | 3.2 | 0.7 | 14.6 | 3.9 | 17.6 | 8 | 1.2 | 0.2 | 0.3 | 65.2 | 0.0 | 7.0 | 638 | 3.3 | 4.1 | 532 |
| 20 - 25 | 713 | 4.5 | 4.7 | 1.0 | 18.4 | 6.2 | 24.3 | 10 | 1.5 | 0.3 | 0.5 | 94.6 | 0.0 | 7.4 | 723 | 4.7 | 6.5 | 649 |
| 25 - 30 | 772 | 4.9 | 6.1 | 1.4 | 22.4 | 8.5 | 30.9 | 7 | 1.0 | 0.3 | 0.4 | 112.1 | 0.0 | 8.3 | 779 | 6.2 | 8.8 | 727 |
| 30 - 40 | 1,548 | 9.9 | 15.5 | 3.4 | 27.9 | 23.7 | 42.5 | 22 | 3.2 | 0.9 | 1.2 | 114.2 | 0.1 | 15.6 | 1,570 | 15.7 | 24.5 | 1,529 |
| 40 - 50 | 1,382 | 8.8 | 17.3 | 3.8 | 34.9 | 29.3 | 59.1 | 25 | 3.7 | 1.4 | 2.0 | 157.3 | 0.2 | 18.8 | 1,407 | 17.5 | 30.7 | 1,386 |
| 50 - 100 | 4,288 | 27.3 | 82.4 | 18.2 | 53.6 | 152.8 | 99.4 | 127 | 18.7 | 11.5 | 16.6 | 252.1 | 1.4 | 30.5 | 4,415 | 83.8 | 164.3 | 4,380 |
| **Subtotal <=100** | **11,585** | **73.8** | **133.8** | **29.6** | **32.7** | **228.2** | **55.8** | **489** | **72.0** | **15.7** | **22.6** | **94.8** | **1.8** | **10.8** | **12,074** | **135.6** | **243.9** | **10,315** |
| 100 - 200 | 1,812 | 11.5 | 65.2 | 14.4 | 102.1 | 119.4 | 187.0 | 94 | 13.8 | 17.0 | 24.5 | 510.6 | 2.1 | 62.5 | 1,906 | 67.3 | 136.4 | 1,892 |
| 200 - 400 | 863 | 5.5 | 60.8 | 13.4 | 215.2 | 109.9 | 389.3 | 83 | 12.2 | 29.0 | 41.8 | 956.2 | 3.4 | 110.7 | 946 | 64.1 | 138.9 | 944 |
| 400 - 800 | 997 | 6.4 | 118.9 | 26.3 | 443.9 | 205.5 | 767.4 | 13 | 1.9 | 7.7 | 11.1 | 1,616.4 | 1.0 | 211.2 | 1,010 | 119.9 | 213.2 | 1,008 |
| 800 - 1,600 | 422 | 2.7 | 69.8 | 15.4 | 785.1 | 116.6 | 1,311.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 422 | 69.8 | 116.6 | 422 |
| 1,600 - 3,200 | 21 | 0.1 | 3.7 | 0.8 | 1,524.5 | 5.8 | 2,379.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 3.7 | 5.8 | 21 |
| 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 |
| **Total** | **15,700** | **100.0** | **452.2** | **100.0** | **84.3** | **785.5** | **146.4** | **679** | **100.0** | **69.3** | **100.0** | **296.5** | **8.2** | **35.2** | **16,379** | **460.4** | **854.8** | **14,602** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B42. Ohio oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 9,778 | 83.6 | 0.9 | 10.9 | 0.3 | 1.2 | 0.3 | 21,340 | 73.5 | 13.8 | 0.6 | 1.8 | 0.2 | 0.0 | 31,118 | 1.2 | 14.9 | 12 |
| 1 - 2 | 1,197 | 10.2 | 0.4 | 5.3 | 1.0 | 0.9 | 2.1 | 3,839 | 13.2 | 10.3 | 0.4 | 7.4 | 0.2 | 0.2 | 5,036 | 0.7 | 11.2 | 7 |
| 2 - 4 | 425 | 3.6 | 0.3 | 3.7 | 2.1 | 0.6 | 4.0 | 1,314 | 4.5 | 6.9 | 0.3 | 14.5 | 0.1 | 0.3 | 1,739 | 0.4 | 7.5 | 6 |
| 4 - 6 | 98 | 0.8 | 0.1 | 1.5 | 3.7 | 0.2 | 6.8 | 239 | 0.8 | 2.2 | 0.1 | 26.1 | 0.0 | 0.5 | 337 | 0.2 | 2.5 | 2 |
| 6 - 8 | 36 | 0.3 | 0.1 | 0.7 | 5.0 | 0.1 | 10.6 | 86 | 0.3 | 1.1 | 0.1 | 36.8 | 0.0 | 0.8 | 122 | 0.1 | 1.2 | 2 |
| 8 - 10 | 31 | 0.3 | 0.1 | 0.9 | 7.3 | 0.1 | 8.4 | 48 | 0.2 | 0.8 | 0.0 | 47.2 | 0.0 | 1.0 | 79 | 0.1 | 0.9 | 5 |
| **Subtotal <=10** | **11,565** | **98.9** | **1.9** | **23.0** | **0.5** | **3.1** | **0.8** | **26,866** | **92.5** | **35.0** | **1.5** | **3.6** | **0.7** | **0.1** | **38,431** | **2.6** | **38.1** | **34** |
| 10 - 12 | 9 | 0.1 | 0.0 | 0.3 | 7.9 | 0.1 | 17.0 | 19 | 0.1 | 0.4 | 0.0 | 59.6 | 0.0 | 1.0 | 28 | 0.0 | 0.5 | 4 |
| 12 - 15 | 24 | 0.2 | 0.1 | 1.1 | 10.7 | 0.1 | 14.2 | 14 | 0.1 | 0.3 | 0.0 | 74.2 | 0.0 | 1.0 | 38 | 0.1 | 0.5 | 7 |
| **Subtotal <=15** | **11,598** | **99.2** | **2.0** | **24.4** | **0.5** | **3.3** | **0.8** | **26,899** | **92.6** | **35.8** | **1.5** | **3.7** | **0.7** | **0.1** | **38,497** | **2.7** | **39.1** | **45** |
| 15 - 20 | 11 | 0.1 | 0.0 | 0.5 | 12.2 | 0.1 | 29.0 | 18 | 0.1 | 0.6 | 0.0 | 88.7 | 0.0 | 2.4 | 29 | 0.1 | 0.7 | 6 |
| 20 - 25 | 7 | 0.1 | 0.0 | 0.4 | 16.6 | 0.1 | 37.3 | 24 | 0.1 | 1.0 | 0.0 | 118.8 | 0.0 | 2.6 | 31 | 0.1 | 1.1 | 19 |
| 25 - 30 | 3 | 0.0 | 0.0 | 0.2 | 18.7 | 0.1 | 55.4 | 13 | 0.0 | 0.7 | 0.0 | 147.6 | 0.0 | 3.8 | 16 | 0.0 | 0.7 | 9 |
| 30 - 40 | 7 | 0.1 | 0.1 | 0.7 | 22.6 | 0.2 | 62.0 | 41 | 0.1 | 2.5 | 0.1 | 171.5 | 0.1 | 7.1 | 48 | 0.2 | 2.7 | 37 |
| 40 - 50 | 3 | 0.0 | 0.0 | 0.4 | 37.1 | 0.0 | 31.0 | 41 | 0.1 | 3.1 | 0.1 | 209.9 | 0.2 | 10.5 | 44 | 0.2 | 3.2 | 42 |
| 50 - 100 | 1 | 0.0 | 0.0 | 0.3 | 69.6 | 0.0 | 105.0 | 328 | 1.1 | 46.3 | 2.0 | 388.4 | 1.3 | 11.0 | 329 | 1.3 | 46.3 | 327 |
| **Subtotal <=100** | **11,630** | **99.5** | **2.3** | **26.9** | **0.5** | **3.8** | **0.9** | **27,364** | **94.2** | **90.0** | **3.8** | **9.2** | **2.3** | **0.2** | **38,994** | **4.6** | **93.7** | **485** |
| 100 - 200 | 14 | 0.1 | 0.3 | 3.8 | 78.3 | 1.5 | 371.6 | 551 | 1.9 | 151.6 | 6.4 | 761.6 | 3.2 | 16.0 | 565 | 3.5 | 153.1 | 565 |
| 200 - 400 | 14 | 0.1 | 0.6 | 7.5 | 160.4 | 3.2 | 826.2 | 379 | 1.3 | 210.5 | 8.9 | 1,566.2 | 2.6 | 19.3 | 393 | 3.2 | 213.8 | 391 |
| 400 - 800 | 7 | 0.1 | 0.8 | 9.0 | 392.2 | 3.1 | 1,599.6 | 203 | 0.7 | 219.0 | 9.3 | 3,197.5 | 1.8 | 25.9 | 210 | 2.5 | 222.1 | 210 |
| 800 - 1,600 | 22 | 0.2 | 3.4 | 40.0 | 604.3 | 14.5 | 2,609.8 | 168 | 0.6 | 346.9 | 14.7 | 6,713.9 | 2.1 | 40.3 | 190 | 5.4 | 361.4 | 190 |
| 1,600 - 3,200 | 5 | 0.0 | 1.1 | 12.8 | 1,531.3 | 3.2 | 4,593.8 | 306 | 1.1 | 1,057.7 | 44.8 | 13,575.4 | 2.4 | 30.4 | 311 | 3.4 | 1,060.9 | 311 |
| 3,200 - 6,400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70 | 0.2 | 278.5 | 11.8 | 23,181.5 | 0.0 | 0.1 | 70 | 0.0 | 278.5 | 70 |
| 6,400 - 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3 | 0.0 | 7.6 | 0.3 | 41,142.6 | 0.0 | 0.0 | 3 | 0.0 | 7.6 | 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 |
| **Total** | **11,692** | **100.0** | **8.4** | **100.0** | **2.0** | **29.3** | **7.1** | **29,044** | **100.0** | **2,361.7** | **100.0** | **228.2** | **14.3** | **1.4** | **40,736** | **22.7** | **2,391.1** | **2,225** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B43. Oklahoma oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 16,948 | 48.8 | 2.0 | 1.5 | 0.4 | 0.1 | 0.0 | 6,662 | 14.5 | 5.0 | 0.2 | 2.4 | 0.0 | 0.0 | 23,610 | 2.0 | 5.1 | 546 |
| 1 - 2 | 5,106 | 14.7 | 2.2 | 1.7 | 1.4 | 0.5 | 0.3 | 4,078 | 8.9 | 11.9 | 0.5 | 8.6 | 0.1 | 0.0 | 9,184 | 2.3 | 12.4 | 340 |
| 2 - 4 | 4,110 | 11.8 | 3.6 | 2.7 | 2.7 | 1.4 | 1.0 | 6,571 | 14.3 | 38.0 | 1.5 | 16.9 | 0.3 | 0.1 | 10,681 | 3.9 | 39.3 | 623 |
| 4 - 6 | 1,895 | 5.5 | 2.7 | 2.0 | 4.4 | 1.7 | 2.8 | 4,822 | 10.5 | 45.7 | 1.8 | 28.0 | 0.4 | 0.3 | 6,717 | 3.1 | 47.4 | 556 |
| 6 - 8 | 1,063 | 3.1 | 2.1 | 1.6 | 6.0 | 1.8 | 5.2 | 3,513 | 7.6 | 45.6 | 1.8 | 38.9 | 0.5 | 0.5 | 4,576 | 2.7 | 47.5 | 450 |
| 8 - 10 | 677 | 2.0 | 1.7 | 1.3 | 7.7 | 1.7 | 7.6 | 2,533 | 5.5 | 42.0 | 1.7 | 49.9 | 0.5 | 0.7 | 3,210 | 2.2 | 43.7 | 419 |
| **Subtotal <=10** | **29,799** | **85.8** | **14.3** | **10.9** | **1.5** | **7.2** | **0.8** | **28,179** | **61.2** | **188.2** | **7.4** | **20.2** | **1.9** | **0.2** | **57,978** | **16.2** | **195.3** | **2,934** |
| 10 - 12 | 581 | 1.7 | 1.8 | 1.4 | 9.4 | 1.9 | 9.8 | 1,833 | 4.0 | 36.2 | 1.4 | 60.6 | 0.5 | 0.9 | 2,414 | 2.3 | 38.1 | 413 |
| 12 - 15 | 474 | 1.4 | 1.8 | 1.4 | 11.3 | 2.0 | 12.8 | 2,087 | 4.5 | 49.5 | 2.0 | 73.5 | 0.8 | 1.1 | 2,561 | 2.6 | 51.5 | 562 |
| **Subtotal <=15** | **30,854** | **88.9** | **17.9** | **13.7** | **1.9** | **11.1** | **1.2** | **32,099** | **69.7** | **273.9** | **10.8** | **25.8** | **3.2** | **0.3** | **62,953** | **21.1** | **285.0** | **3,909** |
| 15 - 20 | 573 | 1.7 | 2.7 | 2.1 | 14.0 | 3.7 | 19.2 | 2,382 | 5.2 | 70.7 | 2.8 | 93.4 | 1.3 | 1.7 | 2,955 | 4.0 | 74.4 | 907 |
| 20 - 25 | 384 | 1.1 | 2.2 | 1.7 | 17.5 | 3.8 | 29.4 | 1,686 | 3.7 | 63.2 | 2.5 | 119.0 | 1.3 | 2.5 | 2,070 | 3.6 | 66.9 | 815 |
| 25 - 30 | 274 | 0.8 | 2.0 | 1.6 | 21.7 | 3.2 | 33.9 | 1,264 | 2.7 | 57.6 | 2.3 | 144.1 | 1.3 | 3.4 | 1,538 | 3.4 | 60.7 | 752 |
| 30 - 40 | 376 | 1.1 | 3.6 | 2.8 | 28.0 | 5.4 | 41.9 | 1,744 | 3.8 | 98.9 | 3.9 | 181.3 | 2.4 | 4.4 | 2,120 | 6.0 | 104.3 | 1,179 |
| 40 - 50 | 179 | 0.5 | 2.1 | 1.6 | 34.9 | 3.6 | 58.8 | 1,178 | 2.6 | 88.4 | 3.5 | 235.6 | 2.1 | 5.5 | 1,357 | 4.2 | 92.0 | 895 |
| 50 - 100 | 541 | 1.6 | 9.7 | 7.4 | 54.4 | 19.0 | 106.7 | 2,717 | 5.9 | 314.8 | 12.4 | 368.0 | 7.1 | 8.3 | 3,258 | 16.8 | 333.8 | 2,501 |
| **Subtotal <=100** | **33,181** | **95.6** | **40.3** | **30.8** | **3.9** | **49.7** | **4.8** | **43,070** | **93.5** | **967.4** | **38.2** | **68.7** | **18.8** | **1.3** | **76,251** | **59.1** | **1,017.1** | **10,958** |
| 100 - 200 | 580 | 1.7 | 18.6 | 14.2 | 105.3 | 42.2 | 238.8 | 1,337 | 2.9 | 293.7 | 11.6 | 712.6 | 8.6 | 20.9 | 1,917 | 27.2 | 335.9 | 1,622 |
| 200 - 400 | 532 | 1.5 | 26.7 | 20.4 | 198.0 | 67.1 | 497.9 | 854 | 1.9 | 362.4 | 14.3 | 1,388.1 | 12.9 | 49.3 | 1,386 | 39.6 | 429.5 | 1,299 |
| 400 - 800 | 317 | 0.9 | 28.6 | 21.8 | 397.7 | 72.7 | 1,012.3 | 511 | 1.1 | 389.2 | 15.4 | 2,735.6 | 15.3 | 107.6 | 828 | 43.9 | 461.9 | 789 |
| 800 - 1,600 | 87 | 0.3 | 12.4 | 9.5 | 724.0 | 35.0 | 2,035.7 | 241 | 0.5 | 343.4 | 13.6 | 5,511.3 | 9.1 | 145.9 | 328 | 21.5 | 378.4 | 321 |
| 1,600 - 3,200 | 19 | 0.1 | 3.5 | 2.7 | 1,502.2 | 6.9 | 2,961.6 | 63 | 0.1 | 147.9 | 5.8 | 11,769.0 | 1.7 | 137.0 | 82 | 5.2 | 154.8 | 80 |
| 3,200 - 6,400 | 1 | 0.0 | 0.7 | 0.6 | 2,924.4 | 0.4 | 1,791.8 | 6 | 0.0 | 25.2 | 1.0 | 25,001.9 | 0.1 | 108.6 | 7 | 0.8 | 25.6 | 7 |
| 6,400 - 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 4.4 | 0.2 | 73,967.9 | 0.0 | 0.0 | 1 | 0.0 | 4.4 | 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 |
| **Total** | **34,717** | **100.0** | **130.8** | **100.0** | **12.2** | **274.0** | **25.5** | **46,083** | **100.0** | **2,533.5** | **100.0** | **169.3** | **66.5** | **4.4** | **80,800** | **197.3** | **2,807.5** | **15,077** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B44. Oregon oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | 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 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 4 | 28.6 | 0.0 | 5.6 | 18.1 | 0.0 | 0.0 | 4 | 0.0 | 0.0 | 0 |
| 4 - 6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3 | 21.4 | 0.0 | 5.2 | 28.3 | 0.0 | 0.0 | 3 | 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 | 2 | 14.3 | 0.0 | 8.4 | 54.6 | 0.0 | 0.0 | 2 | 0.0 | 0.0 | 0 |
| **Subtotal <=10** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **9** | **64.3** | **0.1** | **19.1** | **29.7** | **0.0** | **0.0** | **9** | **0.0** | **0.1** | **0** |
| 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 | 2 | 14.3 | 0.1 | 12.7 | 82.9 | 0.0 | 0.0 | 2 | 0.0 | 0.1 | 0 |
| **Subtotal <=15** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **11** | **78.6** | **0.2** | **31.8** | **39.9** | **0.0** | **0.0** | **11** | **0.0** | **0.2** | **0** |
| 15 - 20 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 7.1 | 0.0 | 8.7 | 113.1 | 0.0 | 0.0 | 1 | 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 | 1 | 7.1 | 0.1 | 14.7 | 192.2 | 0.0 | 0.0 | 1 | 0.0 | 0.1 | 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 | 7.1 | 0.2 | 44.8 | 585.0 | 0.0 | 0.0 | 1 | 0.0 | 0.2 | 0 |
| **Subtotal <=100** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **14** | **100.0** | **0.5** | **100.0** | **97.4** | **0.0** | **0.0** | **14** | **0.0** | **0.5** | **0** |
| 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 |
| **Total** | **0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **14** | **100.0** | **0.5** | **100.0** | **97.4** | **0.0** | **0.0** | **14** | **0.0** | **0.5** | **0** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B45. Pennsylvania oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 9,552 | 95.3 | 0.6 | 71.0 | 0.2 | 1.4 | 0.5 | 46,241 | 67.2 | 36.4 | 0.6 | 2.2 | 0.3 | 0.0 | 55,793 | 0.8 | 37.8 | 65 |
| 1 - 2 | 305 | 3.0 | 0.1 | 13.0 | 1.1 | 0.2 | 1.8 | 10,174 | 14.8 | 29.9 | 0.5 | 8.1 | 0.1 | 0.0 | 10,479 | 0.2 | 30.0 | 19 |
| 2 - 4 | 113 | 1.1 | 0.1 | 8.6 | 1.9 | 0.2 | 4.5 | 2,799 | 4.1 | 16.0 | 0.3 | 15.8 | 0.0 | 0.0 | 2,912 | 0.1 | 16.2 | 36 |
| 4 - 6 | 27 | 0.3 | 0.0 | 2.8 | 3.1 | 0.1 | 10.5 | 447 | 0.7 | 4.6 | 0.1 | 28.7 | 0.0 | 0.1 | 474 | 0.0 | 4.7 | 46 |
| 6 - 8 | 18 | 0.2 | 0.0 | 2.0 | 5.0 | 0.0 | 12.2 | 252 | 0.4 | 2.6 | 0.0 | 41.0 | 0.0 | 0.1 | 270 | 0.0 | 2.6 | 22 |
| 8 - 10 | 8 | 0.1 | 0.0 | 1.3 | 5.7 | 0.0 | 16.8 | 107 | 0.2 | 1.9 | 0.0 | 53.2 | 0.0 | 0.1 | 115 | 0.0 | 2.0 | 10 |
| **Subtotal <=10** | **10,023** | **100.0** | **0.8** | **98.6** | **0.2** | **1.9** | **0.6** | **60,020** | **87.2** | **91.4** | **1.5** | **4.3** | **0.4** | **0.0** | **70,043** | **1.1** | **93.2** | **198** |
| 10 - 12 | 2 | 0.0 | 0.0 | 0.2 | 9.2 | 0.0 | 8.2 | 64 | 0.1 | 1.5 | 0.0 | 65.2 | 0.0 | 0.0 | 66 | 0.0 | 1.5 | 19 |
| 12 - 15 | 3 | 0.0 | 0.0 | 1.2 | 10.9 | 0.0 | 8.8 | 74 | 0.1 | 2.1 | 0.0 | 79.7 | 0.0 | 0.0 | 77 | 0.0 | 2.1 | 23 |
| **Subtotal <=15** | **10,028** | **100.0** | **0.8** | **100.0** | **0.2** | **1.9** | **0.6** | **60,158** | **87.4** | **95.0** | **1.5** | **4.5** | **0.4** | **0.0** | **70,186** | **1.1** | **96.8** | **240** |
| 15 - 20 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 84 | 0.1 | 3.0 | 0.1 | 103.7 | 0.0 | 0.1 | 84 | 0.0 | 3.0 | 40 |
| 20 - 25 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 63 | 0.1 | 2.9 | 0.1 | 131.4 | 0.0 | 0.6 | 63 | 0.0 | 2.9 | 47 |
| 25 - 30 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 79 | 0.1 | 4.5 | 0.1 | 164.5 | 0.0 | 0.2 | 79 | 0.0 | 4.5 | 65 |
| 30 - 40 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 201 | 0.3 | 15.3 | 0.3 | 211.2 | 0.0 | 0.4 | 201 | 0.0 | 15.3 | 195 |
| 40 - 50 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 264 | 0.4 | 25.6 | 0.4 | 268.6 | 0.1 | 0.5 | 264 | 0.1 | 25.6 | 260 |
| 50 - 100 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,623 | 2.4 | 255.4 | 4.1 | 436.5 | 0.6 | 1.0 | 1,623 | 0.6 | 255.4 | 1,609 |
| **Subtotal <=100** | **10,028** | **100.0** | **0.8** | **100.0** | **0.2** | **1.9** | **0.6** | **62,472** | **90.7** | **401.6** | **6.5** | **18.2** | **1.0** | **0.0** | **72,500** | **1.8** | **403.5** | **2,456** |
| 100 - 200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,068 | 3.0 | 641.3 | 10.3 | 864.7 | 0.8 | 1.1 | 2,068 | 0.8 | 641.3 | 2,062 |
| 200 - 400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,007 | 2.9 | 1,214.3 | 19.5 | 1,698.9 | 1.0 | 1.4 | 2,007 | 1.0 | 1,214.3 | 2,006 |
| 400 - 800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,238 | 1.8 | 1,375.5 | 22.1 | 3,317.7 | 1.0 | 2.4 | 1,238 | 1.0 | 1,375.5 | 1,237 |
| 800 - 1,600 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 642 | 0.9 | 1,223.8 | 19.7 | 6,662.9 | 1.2 | 6.3 | 642 | 1.2 | 1,223.8 | 642 |
| 1,600 - 3,200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 360 | 0.5 | 1,069.7 | 17.2 | 12,796.6 | 0.7 | 7.8 | 360 | 0.7 | 1,069.7 | 359 |
| 3,200 - 6,400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67 | 0.1 | 279.4 | 4.5 | 23,427.8 | 0.0 | 0.2 | 67 | 0.0 | 279.4 | 67 |
| 6,400 - 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8 | 0.0 | 16.9 | 0.3 | 50,294.3 | 0.0 | 0.0 | 8 | 0.0 | 16.9 | 8 |
| > 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 |
| **Total** | **10,028** | **100.0** | **0.8** | **100.0** | **0.2** | **1.9** | **0.6** | **68,862** | **100.0** | **6,222.6** | **100.0** | **257.1** | **5.7** | **0.2** | **78,890** | **6.5** | **6,224.5** | **8,837** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B46. South Dakota oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 7 | 6.3 | 0.0 | 0.1 | 0.4 | 0.0 | 0.5 | 16 | 17.8 | 0.0 | 0.4 | 4.0 | 0.0 | 0.0 | 23 | 0.0 | 0.0 | 4 |
| 1 - 2 | 3 | 2.7 | 0.0 | 0.2 | 1.6 | 0.0 | 0.0 | 11 | 12.2 | 0.0 | 0.6 | 8.9 | 0.0 | 0.0 | 14 | 0.0 | 0.0 | 0 |
| 2 - 4 | 3 | 2.7 | 0.0 | 0.2 | 2.7 | 0.0 | 0.0 | 13 | 14.4 | 0.1 | 1.4 | 17.2 | 0.0 | 0.0 | 16 | 0.0 | 0.1 | 1 |
| 4 - 6 | 7 | 6.3 | 0.0 | 1.3 | 5.1 | 0.0 | 0.3 | 3 | 3.3 | 0.0 | 0.5 | 27.6 | 0.0 | 0.0 | 10 | 0.0 | 0.0 | 2 |
| 6 - 8 | 6 | 5.4 | 0.0 | 1.3 | 6.5 | 0.0 | 4.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6 | 0.0 | 0.0 | 5 |
| 8 - 10 | 4 | 3.6 | 0.0 | 1.4 | 9.2 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4 | 0.0 | 0.0 | 2 |
| **Subtotal <=10** | **30** | **27.0** | **0.0** | **4.4** | **4.5** | **0.0** | **1.1** | **43** | **47.8** | **0.2** | **2.9** | **10.9** | **0.0** | **0.0** | **73** | **0.0** | **0.2** | **14** |
| 10 - 12 | 7 | 6.3 | 0.0 | 2.7 | 10.4 | 0.0 | 4.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7 | 0.0 | 0.0 | 5 |
| 12 - 15 | 7 | 6.3 | 0.0 | 2.8 | 11.7 | 0.0 | 9.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7 | 0.0 | 0.0 | 5 |
| **Subtotal <=15** | **44** | **39.6** | **0.1** | **9.9** | **6.7** | **0.0** | **2.9** | **43** | **47.8** | **0.2** | **2.9** | **10.9** | **0.0** | **0.0** | **87** | **0.1** | **0.2** | **24** |
| 15 - 20 | 13 | 11.7 | 0.1 | 7.7 | 16.2 | 0.0 | 8.9 | 1 | 1.1 | 0.0 | 0.5 | 82.6 | 0.0 | 2.8 | 14 | 0.1 | 0.1 | 11 |
| 20 - 25 | 9 | 8.1 | 0.1 | 6.7 | 20.2 | 0.0 | 13.3 | 3 | 3.3 | 0.1 | 1.8 | 94.4 | 0.0 | 5.1 | 12 | 0.1 | 0.1 | 9 |
| 25 - 30 | 11 | 9.9 | 0.1 | 10.0 | 24.8 | 0.1 | 17.1 | 2 | 2.2 | 0.1 | 1.8 | 145.2 | 0.0 | 2.5 | 13 | 0.1 | 0.2 | 11 |
| 30 - 40 | 10 | 9.0 | 0.1 | 12.7 | 34.3 | 0.0 | 5.5 | 4 | 4.4 | 0.2 | 4.0 | 158.2 | 0.0 | 11.3 | 14 | 0.1 | 0.3 | 13 |
| 40 - 50 | 8 | 7.2 | 0.1 | 12.0 | 40.5 | 0.1 | 27.3 | 7 | 7.8 | 0.5 | 8.4 | 192.0 | 0.0 | 11.6 | 15 | 0.1 | 0.6 | 14 |
| 50 - 100 | 13 | 11.7 | 0.3 | 29.0 | 60.4 | 0.1 | 29.5 | 23 | 25.6 | 2.9 | 49.8 | 346.4 | 0.1 | 17.1 | 36 | 0.4 | 3.0 | 36 |
| **Subtotal <=100** | **108** | **97.3** | **0.9** | **87.9** | **22.9** | **0.4** | **11.5** | **83** | **92.2** | **4.0** | **69.2** | **134.1** | **0.2** | **6.6** | **191** | **1.1** | **4.5** | **118** |
| 100 - 200 | 3 | 2.7 | 0.1 | 12.1 | 109.1 | 0.0 | 0.0 | 7 | 7.8 | 1.8 | 30.8 | 703.5 | 0.1 | 28.6 | 10 | 0.2 | 1.8 | 10 |
| 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 |
| **Total** | **111** | **100.0** | **1.0** | **100.0** | **25.3** | **0.4** | **11.2** | **90** | **100.0** | **5.8** | **100.0** | **178.7** | **0.3** | **8.3** | **201** | **1.3** | **6.3** | **128** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B47. Tennessee oil and gas well summary statistics, 2016

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | 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 | 7 |
| 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 | 4 |
| 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 |
| **Subtotal <=10** | **913** | **99.5** | **0.2** | **87.6** | **0.7** | **0.0** | **0.1** | **907** | **95.9** | **2.3** | **65.6** | **7.4** | **0.0** | **0.0** | **1,820** | **0.2** | **2.4** | **21** |
| 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 |
| **Subtotal <=15** | **916** | **99.8** | **0.2** | **92.0** | **0.7** | **0.0** | **0.1** | **926** | **97.9** | **2.7** | **76.2** | **8.4** | **0.0** | **0.1** | **1,842** | **0.2** | **2.7** | **25** |
| 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 |
| **Subtotal <=100** | **918** | **100.0** | **0.2** | **100.0** | **0.8** | **0.0** | **0.1** | **942** | **99.6** | **3.4** | **95.6** | **10.4** | **0.0** | **0.1** | **1,860** | **0.3** | **3.4** | **26** |
| 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 |
| **Total** | **918** | **100.0** | **0.2** | **100.0** | **0.8** | **0.0** | **0.1** | **946** | **100.0** | **3.6** | **100.0** | **10.9** | **0.0** | **0.1** | **1,864** | **0.3** | **3.6** | **26** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B48. Texas oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 59,957 | 35.1 | 6.5 | 0.5 | 0.3 | 2.1 | 0.1 | 20,705 | 16.0 | 15.7 | 0.2 | 2.3 | 0.2 | 0.0 | 80,662 | 6.7 | 17.8 | 1,464 |
| 1 - 2 | 18,504 | 10.8 | 8.7 | 0.6 | 1.3 | 4.5 | 0.7 | 12,247 | 9.5 | 33.7 | 0.5 | 8.1 | 0.5 | 0.1 | 30,751 | 9.2 | 38.2 | 949 |
| 2 - 4 | 20,802 | 12.2 | 18.9 | 1.4 | 2.6 | 13.8 | 1.9 | 16,619 | 12.9 | 89.8 | 1.4 | 15.9 | 1.5 | 0.3 | 37,421 | 20.4 | 103.6 | 1,698 |
| 4 - 6 | 12,452 | 7.3 | 19.0 | 1.4 | 4.3 | 15.9 | 3.6 | 10,467 | 8.1 | 95.1 | 1.4 | 26.8 | 1.7 | 0.5 | 22,919 | 20.6 | 111.0 | 1,580 |
| 6 - 8 | 7,730 | 4.5 | 16.3 | 1.2 | 6.0 | 15.9 | 5.8 | 8,000 | 6.2 | 101.8 | 1.5 | 37.6 | 1.9 | 0.7 | 15,730 | 18.1 | 117.7 | 1,462 |
| 8 - 10 | 5,508 | 3.2 | 14.8 | 1.1 | 7.6 | 15.5 | 8.0 | 6,446 | 5.0 | 106.8 | 1.6 | 48.8 | 1.8 | 0.8 | 11,954 | 16.7 | 122.3 | 1,467 |
| **Subtotal <=10** | **124,953** | **73.2** | **84.2** | **6.0** | **1.9** | **67.7** | **1.6** | **74,484** | **57.6** | **442.9** | **6.7** | **17.8** | **7.5** | **0.3** | **199,437** | **91.7** | **510.6** | **8,620** |
| 10 - 12 | 4,207 | 2.5 | 13.6 | 1.0 | 9.2 | 15.3 | 10.4 | 5,395 | 4.2 | 109.0 | 1.7 | 59.6 | 1.9 | 1.0 | 9,602 | 15.5 | 124.3 | 1,526 |
| 12 - 15 | 4,826 | 2.8 | 19.0 | 1.4 | 11.2 | 22.8 | 13.4 | 6,392 | 5.0 | 158.4 | 2.4 | 73.0 | 2.7 | 1.3 | 11,218 | 21.7 | 181.1 | 2,268 |
| **Subtotal <=15** | **133,986** | **78.5** | **116.8** | **8.3** | **2.5** | **105.8** | **2.3** | **86,271** | **66.8** | **710.2** | **10.7** | **24.5** | **12.2** | **0.4** | **220,257** | **129.0** | **816.0** | **12,414** |
| 15 - 20 | 5,327 | 3.1 | 27.0 | 1.9 | 14.4 | 32.8 | 17.5 | 7,980 | 6.2 | 257.3 | 3.9 | 94.6 | 4.3 | 1.6 | 13,307 | 31.3 | 290.1 | 3,948 |
| 20 - 25 | 3,668 | 2.2 | 23.7 | 1.7 | 18.3 | 31.4 | 24.3 | 5,480 | 4.2 | 227.2 | 3.4 | 121.5 | 3.9 | 2.1 | 9,148 | 27.6 | 258.6 | 3,805 |
| 25 - 30 | 2,786 | 1.6 | 21.9 | 1.6 | 22.3 | 29.7 | 30.3 | 4,119 | 3.2 | 210.3 | 3.2 | 148.2 | 3.8 | 2.7 | 6,905 | 25.7 | 240.0 | 3,673 |
| 30 - 40 | 3,867 | 2.3 | 37.7 | 2.7 | 27.7 | 56.9 | 41.8 | 5,874 | 4.5 | 373.9 | 5.7 | 186.3 | 7.3 | 3.6 | 9,741 | 45.0 | 430.8 | 6,179 |
| 40 - 50 | 2,709 | 1.6 | 33.7 | 2.4 | 35.4 | 53.1 | 55.8 | 3,957 | 3.1 | 322.1 | 4.9 | 237.1 | 7.1 | 5.2 | 6,666 | 40.8 | 375.2 | 4,758 |
| 50 - 100 | 5,928 | 3.5 | 112.1 | 8.0 | 54.3 | 193.0 | 93.4 | 8,350 | 6.5 | 1,022.3 | 15.5 | 359.5 | 26.5 | 9.3 | 14,278 | 138.6 | 1,215.3 | 11,269 |
| **Subtotal <=100** | **158,271** | **92.7** | **372.9** | **26.6** | **6.8** | **502.8** | **9.2** | **122,031** | **94.4** | **3,123.2** | **47.2** | **75.9** | **65.1** | **1.6** | **280,302** | **438.0** | **3,626.1** | **46,046** |
| 100 - 200 | 3,720 | 2.2 | 134.6 | 9.6 | 108.0 | 246.7 | 198.1 | 3,746 | 2.9 | 812.9 | 12.3 | 680.0 | 27.3 | 22.9 | 7,466 | 161.9 | 1,059.6 | 6,116 |
| 200 - 400 | 3,521 | 2.1 | 237.9 | 17.0 | 219.9 | 448.9 | 414.9 | 1,655 | 1.3 | 683.2 | 10.3 | 1,327.6 | 27.9 | 54.2 | 5,176 | 265.8 | 1,132.0 | 4,667 |
| 400 - 800 | 3,440 | 2.0 | 373.3 | 26.6 | 431.3 | 684.8 | 791.3 | 983 | 0.8 | 744.9 | 11.3 | 2,512.7 | 40.8 | 137.7 | 4,423 | 414.1 | 1,429.7 | 4,254 |
| 800 - 1,600 | 1,617 | 1.0 | 242.9 | 17.3 | 770.6 | 483.6 | 1,534.3 | 599 | 0.5 | 781.2 | 11.8 | 5,267.4 | 32.0 | 215.7 | 2,216 | 274.9 | 1,264.8 | 2,166 |
| 1,600 - 3,200 | 174 | 0.1 | 37.9 | 2.7 | 1,385.5 | 96.3 | 3,516.9 | 187 | 0.1 | 341.1 | 5.2 | 10,531.4 | 9.5 | 292.3 | 361 | 47.4 | 437.4 | 346 |
| 3,200 - 6,400 | 9 | 0.0 | 2.7 | 0.2 | 2,471.3 | 8.4 | 7,645.0 | 31 | 0.0 | 112.3 | 1.7 | 22,786.8 | 1.7 | 353.9 | 40 | 4.5 | 120.7 | 39 |
| 6,400 - 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 0.0 | 16.7 | 0.3 | 49,667.5 | 0.0 | 0.0 | 10 | 0.0 | 16.7 | 10 |
| > 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 2.4 | 0.0 | 78,084.8 | 0.0 | 0.0 | 1 | 0.0 | 2.4 | 1 |
| **Total** | **170,752** | **100.0** | **1,402.2** | **100.0** | **24.0** | **2,471.5** | **42.3** | **129,243** | **100.0** | **6,618.0** | **100.0** | **152.7** | **204.3** | **4.7** | **299,995** | **1,606.5** | **9,089.5** | **63,645** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B49. Utah oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 209 | 4.8 | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 392 | 4.8 | 0.3 | 0.1 | 2.4 | 0.0 | 0.0 | 601 | 0.0 | 0.3 | 9 |
| 1 - 2 | 109 | 2.5 | 0.0 | 0.1 | 1.3 | 0.0 | 1.5 | 364 | 4.5 | 1.0 | 0.4 | 8.7 | 0.0 | 0.1 | 473 | 0.0 | 1.0 | 6 |
| 2 - 4 | 457 | 10.4 | 0.4 | 1.2 | 2.6 | 0.5 | 3.5 | 777 | 9.5 | 4.4 | 1.8 | 17.0 | 0.0 | 0.2 | 1,234 | 0.4 | 5.0 | 7 |
| 4 - 6 | 538 | 12.3 | 0.8 | 2.3 | 4.2 | 0.9 | 5.1 | 824 | 10.1 | 7.7 | 3.1 | 27.5 | 0.1 | 0.5 | 1,362 | 0.9 | 8.7 | 7 |
| 6 - 8 | 511 | 11.7 | 1.1 | 3.1 | 5.8 | 1.3 | 7.0 | 752 | 9.2 | 9.7 | 3.9 | 38.2 | 0.2 | 0.6 | 1,263 | 1.2 | 11.0 | 10 |
| 8 - 10 | 386 | 8.8 | 1.0 | 3.1 | 7.5 | 1.2 | 8.9 | 670 | 8.2 | 11.1 | 4.4 | 49.0 | 0.2 | 0.8 | 1,056 | 1.2 | 12.4 | 6 |
| **Subtotal <=10** | **2,210** | **50.5** | **3.3** | **9.8** | **4.4** | **4.0** | **5.4** | **3,779** | **46.2** | **34.3** | **13.6** | **27.5** | **0.5** | **0.4** | **5,989** | **3.8** | **38.3** | **45** |
| 10 - 12 | 333 | 7.6 | 1.1 | 3.2 | 9.2 | 1.3 | 10.7 | 602 | 7.4 | 12.5 | 5.0 | 60.9 | 0.2 | 0.8 | 935 | 1.3 | 13.8 | 4 |
| 12 - 15 | 333 | 7.6 | 1.3 | 3.9 | 11.1 | 1.6 | 13.7 | 777 | 9.5 | 19.9 | 7.9 | 75.1 | 0.2 | 0.9 | 1,110 | 1.6 | 21.5 | 11 |
| **Subtotal <=15** | **2,876** | **65.7** | **5.7** | **16.9** | **5.8** | **6.9** | **7.0** | **5,158** | **63.1** | **66.7** | **26.5** | **38.8** | **0.9** | **0.5** | **8,034** | **6.6** | **73.6** | **60** |
| 15 - 20 | 310 | 7.1 | 1.6 | 4.7 | 14.4 | 1.9 | 16.9 | 1,042 | 12.7 | 35.5 | 14.1 | 98.7 | 0.3 | 0.9 | 1,352 | 1.9 | 37.4 | 5 |
| 20 - 25 | 204 | 4.7 | 1.3 | 3.8 | 17.6 | 2.0 | 27.2 | 669 | 8.2 | 30.0 | 11.9 | 128.5 | 0.2 | 0.9 | 873 | 1.5 | 31.9 | 12 |
| 25 - 30 | 131 | 3.0 | 1.0 | 3.1 | 22.0 | 1.5 | 31.6 | 383 | 4.7 | 20.9 | 8.3 | 156.6 | 0.1 | 1.1 | 514 | 1.2 | 22.4 | 9 |
| 30 - 40 | 189 | 4.3 | 1.8 | 5.4 | 28.1 | 2.6 | 39.4 | 434 | 5.3 | 29.1 | 11.5 | 198.5 | 0.2 | 1.3 | 623 | 2.0 | 31.6 | 8 |
| 40 - 50 | 114 | 2.6 | 1.4 | 4.1 | 36.4 | 1.9 | 50.0 | 162 | 2.0 | 13.4 | 5.3 | 249.2 | 0.1 | 2.4 | 276 | 1.5 | 15.3 | 4 |
| 50 - 100 | 308 | 7.0 | 5.5 | 16.3 | 55.3 | 8.5 | 84.9 | 230 | 2.8 | 26.2 | 10.4 | 367.2 | 0.4 | 5.8 | 538 | 5.9 | 34.7 | 32 |
| **Subtotal <=100** | **4,132** | **94.3** | **18.3** | **54.2** | **12.9** | **25.2** | **17.7** | **8,078** | **98.7** | **221.7** | **87.9** | **81.6** | **2.3** | **0.9** | **12,210** | **20.7** | **246.9** | **130** |
| 100 - 200 | 129 | 2.9 | 4.2 | 12.3 | 107.1 | 7.3 | 187.3 | 68 | 0.8 | 12.1 | 4.8 | 687.3 | 0.4 | 22.9 | 197 | 4.6 | 19.4 | 19 |
| 200 - 400 | 69 | 1.6 | 4.5 | 13.3 | 227.9 | 5.7 | 288.6 | 26 | 0.3 | 8.8 | 3.5 | 1,344.7 | 0.2 | 27.3 | 95 | 4.7 | 14.5 | 24 |
| 400 - 800 | 42 | 1.0 | 5.3 | 15.7 | 520.6 | 4.4 | 431.9 | 6 | 0.1 | 3.3 | 1.3 | 2,673.6 | 0.1 | 90.8 | 48 | 5.4 | 7.6 | 30 |
| 800 - 1,600 | 9 | 0.2 | 1.5 | 4.5 | 838.7 | 0.9 | 507.5 | 3 | 0.0 | 6.3 | 2.5 | 5,770.3 | 0.2 | 152.1 | 12 | 1.7 | 7.2 | 10 |
| 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 |
| **Total** | **4,381** | **100.0** | **33.9** | **100.0** | **22.7** | **43.5** | **29.2** | **8,181** | **100.0** | **252.2** | **100.0** | **92.0** | **3.2** | **1.2** | **12,562** | **37.0** | **295.7** | **213** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B50. Virginia oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 3 | 100.0 | 0.0 | 100.0 | 0.6 | 0.0 | 0.0 | 515 | 6.3 | 0.6 | 0.5 | 3.4 | 0.0 | 0.0 | 518 | 0.0 | 0.6 | 4 |
| 1 - 2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 820 | 10.1 | 2.6 | 2.4 | 9.0 | 0.0 | 0.0 | 820 | 0.0 | 2.6 | 1 |
| 2 - 4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,120 | 26.1 | 13.2 | 11.9 | 17.3 | 0.0 | 0.0 | 2,120 | 0.0 | 13.2 | 11 |
| 4 - 6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,512 | 18.6 | 16.2 | 14.5 | 29.7 | 0.0 | 0.0 | 1,512 | 0.0 | 16.2 | 23 |
| 6 - 8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 987 | 12.1 | 14.8 | 13.3 | 41.5 | 0.0 | 0.0 | 987 | 0.0 | 14.8 | 20 |
| 8 - 10 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 719 | 8.8 | 13.9 | 12.5 | 53.6 | 0.0 | 0.0 | 719 | 0.0 | 13.9 | 20 |
| **Subtotal <=10** | **3** | **100.0** | **0.0** | **100.0** | **0.6** | **0.0** | **0.0** | **6,673** | **82.0** | **61.3** | **55.0** | **25.6** | **0.0** | **0.0** | **6,676** | **0.0** | **61.3** | **79** |
| 10 - 12 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 503 | 6.2 | 11.9 | 10.7 | 65.8 | 0.0 | 0.0 | 503 | 0.0 | 11.9 | 16 |
| 12 - 15 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 432 | 5.3 | 12.3 | 11.1 | 79.9 | 0.0 | 0.0 | 432 | 0.0 | 12.3 | 10 |
| **Subtotal <=15** | **3** | **100.0** | **0.0** | **100.0** | **0.6** | **0.0** | **0.0** | **7,608** | **93.5** | **85.6** | **76.7** | **31.3** | **0.0** | **0.0** | **7,611** | **0.0** | **85.6** | **105** |
| 15 - 20 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 309 | 3.8 | 11.2 | 10.0 | 102.0 | 0.0 | 0.0 | 309 | 0.0 | 11.2 | 8 |
| 20 - 25 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 107 | 1.3 | 4.8 | 4.4 | 132.9 | 0.0 | 0.0 | 107 | 0.0 | 4.8 | 5 |
| 25 - 30 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 0.4 | 1.9 | 1.7 | 165.3 | 0.0 | 0.0 | 33 | 0.0 | 1.9 | 1 |
| 30 - 40 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 0.4 | 2.3 | 2.0 | 199.7 | 0.0 | 0.0 | 33 | 0.0 | 2.3 | 0 |
| 40 - 50 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 0.2 | 0.9 | 0.8 | 271.4 | 0.0 | 0.0 | 12 | 0.0 | 0.9 | 0 |
| 50 - 100 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 0.2 | 2.0 | 1.8 | 400.8 | 0.0 | 0.0 | 18 | 0.0 | 2.0 | 0 |
| **Subtotal <=100** | **3** | **100.0** | **0.0** | **100.0** | **0.6** | **0.0** | **0.0** | **8,120** | **99.8** | **108.6** | **97.4** | **37.3** | **0.0** | **0.0** | **8,123** | **0.0** | **108.6** | **119** |
| 100 - 200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 0.2 | 2.7 | 2.4 | 765.8 | 0.0 | 0.0 | 13 | 0.0 | 2.7 | 0 |
| 200 - 400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | 0.0 | 0.2 | 0.2 | 1,598.3 | 0.0 | 0.0 | 1 | 0.0 | 0.2 | 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 |
| **Total** | **3** | **100.0** | **0.0** | **100.0** | **0.6** | **0.0** | **0.0** | **8,134** | **100.0** | **111.5** | **100.0** | **38.3** | **0.0** | **0.0** | **8,137** | **0.0** | **111.5** | **119** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B51. West Virginia oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 2,887 | 82.0 | 0.2 | 32.7 | 0.2 | 0.3 | 0.3 | 31,688 | 60.6 | 22.9 | 1.3 | 2.1 | 0.0 | 0.0 | 34,575 | 0.3 | 23.2 | 94 |
| 1 - 2 | 388 | 11.0 | 0.1 | 18.9 | 1.2 | 0.1 | 1.4 | 9,451 | 18.1 | 27.6 | 1.6 | 8.4 | 0.1 | 0.0 | 9,839 | 0.2 | 27.7 | 78 |
| 2 - 4 | 166 | 4.7 | 0.1 | 15.7 | 2.2 | 0.1 | 3.0 | 5,615 | 10.7 | 31.6 | 1.8 | 16.4 | 0.1 | 0.0 | 5,781 | 0.2 | 31.8 | 127 |
| 4 - 6 | 34 | 1.0 | 0.0 | 6.9 | 3.8 | 0.1 | 5.9 | 1,654 | 3.2 | 15.9 | 0.9 | 28.7 | 0.0 | 0.0 | 1,688 | 0.1 | 15.9 | 127 |
| 6 - 8 | 20 | 0.6 | 0.0 | 5.7 | 6.1 | 0.0 | 3.6 | 653 | 1.3 | 8.6 | 0.5 | 41.1 | 0.0 | 0.0 | 673 | 0.0 | 8.6 | 64 |
| 8 - 10 | 9 | 0.3 | 0.0 | 2.9 | 8.3 | 0.0 | 4.9 | 307 | 0.6 | 5.1 | 0.3 | 53.1 | 0.0 | 0.1 | 316 | 0.0 | 5.1 | 51 |
| **Subtotal <=10** | **3,504** | **99.5** | **0.5** | **82.8** | **0.5** | **0.7** | **0.6** | **49,368** | **94.4** | **111.7** | **6.3** | **6.6** | **0.2** | **0.0** | **52,872** | **0.7** | **112.4** | **541** |
| 10 - 12 | 3 | 0.1 | 0.0 | 1.5 | 8.7 | 0.0 | 10.7 | 159 | 0.3 | 3.2 | 0.2 | 65.2 | 0.0 | 0.0 | 162 | 0.0 | 3.2 | 29 |
| 12 - 15 | 2 | 0.1 | 0.0 | 1.3 | 11.4 | 0.0 | 18.7 | 122 | 0.2 | 3.1 | 0.2 | 79.1 | 0.0 | 0.2 | 124 | 0.0 | 3.1 | 33 |
| **Subtotal <=15** | **3,509** | **99.6** | **0.6** | **85.6** | **0.5** | **0.7** | **0.7** | **49,649** | **94.9** | **118.0** | **6.7** | **7.0** | **0.2** | **0.0** | **53,158** | **0.7** | **118.7** | **603** |
| 15 - 20 | 7 | 0.2 | 0.0 | 5.1 | 17.0 | 0.0 | 0.6 | 96 | 0.2 | 3.0 | 0.2 | 102.9 | 0.0 | 0.2 | 103 | 0.0 | 3.0 | 39 |
| 20 - 25 | 2 | 0.1 | 0.0 | 2.4 | 21.3 | 0.0 | 16.4 | 58 | 0.1 | 2.2 | 0.1 | 131.4 | 0.0 | 0.2 | 60 | 0.0 | 2.3 | 27 |
| 25 - 30 | 2 | 0.1 | 0.0 | 1.7 | 27.5 | 0.0 | 0.0 | 32 | 0.1 | 1.5 | 0.1 | 163.2 | 0.0 | 0.4 | 34 | 0.0 | 1.5 | 13 |
| 30 - 40 | 1 | 0.0 | 0.0 | 0.1 | 30.1 | 0.0 | 0.0 | 58 | 0.1 | 3.2 | 0.2 | 192.2 | 0.0 | 2.3 | 59 | 0.0 | 3.2 | 31 |
| 40 - 50 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56 | 0.1 | 4.4 | 0.3 | 259.1 | 0.0 | 1.9 | 56 | 0.0 | 4.4 | 43 |
| 50 - 100 | 2 | 0.1 | 0.0 | 5.1 | 72.5 | 0.0 | 53.2 | 345 | 0.7 | 51.9 | 3.0 | 433.4 | 0.4 | 3.2 | 347 | 0.4 | 51.9 | 334 |
| **Subtotal <=100** | **3,523** | **100.0** | **0.7** | **100.0** | **0.6** | **0.7** | **0.7** | **50,294** | **96.1** | **184.2** | **10.5** | **10.7** | **0.7** | **0.0** | **53,817** | **1.3** | **185.0** | **1,090** |
| 100 - 200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 616 | 1.2 | 190.7 | 10.8 | 871.9 | 0.9 | 3.9 | 616 | 0.9 | 190.7 | 615 |
| 200 - 400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 701 | 1.3 | 411.9 | 23.4 | 1,655.7 | 1.4 | 5.7 | 701 | 1.4 | 411.9 | 700 |
| 400 - 800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 347 | 0.7 | 362.3 | 20.6 | 3,261.8 | 3.5 | 31.2 | 347 | 3.5 | 362.3 | 347 |
| 800 - 1,600 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 280 | 0.5 | 454.8 | 25.8 | 6,069.0 | 4.1 | 55.3 | 280 | 4.1 | 454.8 | 280 |
| 1,600 - 3,200 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 86 | 0.2 | 147.2 | 8.4 | 11,257.6 | 0.9 | 68.0 | 86 | 0.9 | 147.2 | 86 |
| 3,200 - 6,400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3 | 0.0 | 10.1 | 0.6 | 30,167.7 | 0.0 | 3.2 | 3 | 0.0 | 10.1 | 3 |
| 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 |
| **Total** | **3,523** | **100.0** | **0.7** | **100.0** | **0.6** | **0.7** | **0.7** | **52,327** | **100.0** | **1,761.3** | **100.0** | **98.8** | **11.4** | **0.6** | **55,850** | **12.1** | **1,762.0** | **3,121** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.

## Table B52. Wyoming oil and gas well summary statistics, 2018

| | Oil wells | | | | | | | Gas wells | | | | | | | Total wells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prod. rate bracket (BOE/day) | # of oil wells | % of oil wells | Annual oil prod. (MMbbl) | % of oil prod. | Oil rate per Well (bbl/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. (MMbbl) | Oil rate per well (bbl/Day) | # of total wells | Annual oil prod. (MMbbl) | Annual gas prod. (Bcf) | Horizontal well count |
| 0 - 1 | 2,158 | 20.7 | 0.2 | 0.4 | 0.4 | 0.0 | 0.1 | 1,961 | 8.6 | 1.2 | 0.1 | 2.2 | 0.0 | 0.0 | 4,119 | 0.3 | 1.3 | 38 |
| 1 - 2 | 1,027 | 9.9 | 0.5 | 0.7 | 1.4 | 0.3 | 0.8 | 1,005 | 4.4 | 2.8 | 0.2 | 8.6 | 0.0 | 0.1 | 2,032 | 0.5 | 3.0 | 18 |
| 2 - 4 | 1,377 | 13.2 | 1.3 | 1.8 | 2.7 | 0.7 | 1.4 | 1,665 | 7.3 | 9.3 | 0.5 | 16.9 | 0.1 | 0.1 | 3,042 | 1.3 | 10.0 | 59 |
| 4 - 6 | 915 | 8.8 | 1.4 | 2.1 | 4.6 | 0.6 | 2.0 | 1,417 | 6.2 | 13.9 | 0.8 | 28.9 | 0.1 | 0.2 | 2,332 | 1.5 | 14.5 | 50 |
| 6 - 8 | 592 | 5.7 | 1.4 | 2.0 | 6.6 | 0.5 | 2.3 | 1,356 | 6.0 | 18.5 | 1.1 | 40.3 | 0.1 | 0.3 | 1,948 | 1.5 | 18.9 | 49 |
| 8 - 10 | 488 | 4.7 | 1.4 | 2.1 | 8.4 | 0.5 | 3.2 | 1,213 | 5.4 | 21.6 | 1.2 | 52.2 | 0.1 | 0.3 | 1,701 | 1.6 | 22.1 | 47 |
| **Subtotal <=10** | **6,557** | **63.0** | **6.2** | **9.1** | **2.8** | **2.6** | **1.2** | **8,617** | **38.0** | **67.2** | **3.9** | **24.2** | **0.4** | **0.2** | **15,174** | **6.6** | **69.9** | **261** |
| 10 - 12 | 415 | 4.0 | 1.5 | 2.3 | 10.5 | 0.4 | 2.7 | 1,154 | 5.1 | 25.1 | 1.4 | 63.7 | 0.2 | 0.4 | 1,569 | 1.7 | 25.5 | 45 |
| 12 - 15 | 502 | 4.8 | 2.3 | 3.3 | 12.9 | 0.7 | 3.9 | 1,630 | 7.2 | 43.6 | 2.5 | 77.6 | 0.3 | 0.5 | 2,132 | 2.6 | 44.3 | 68 |
| **Subtotal <=15** | **7,474** | **71.8** | **10.0** | **14.7** | **4.0** | **3.7** | **1.5** | **11,401** | **50.2** | **136.0** | **7.8** | **36.4** | **0.9** | **0.2** | **18,875** | **10.9** | **139.7** | **374** |
| 15 - 20 | 616 | 5.9 | 3.5 | 5.1 | 16.3 | 1.3 | 5.9 | 2,333 | 10.3 | 81.0 | 4.7 | 99.7 | 0.6 | 0.7 | 2,949 | 4.1 | 82.3 | 151 |
| 20 - 25 | 399 | 3.8 | 2.9 | 4.2 | 20.7 | 1.4 | 9.9 | 1,804 | 8.0 | 80.6 | 4.6 | 128.8 | 0.6 | 1.0 | 2,203 | 3.5 | 82.0 | 121 |
| 25 - 30 | 277 | 2.7 | 2.4 | 3.5 | 24.8 | 1.5 | 15.7 | 1,385 | 6.1 | 76.0 | 4.4 | 156.8 | 0.6 | 1.3 | 1,662 | 3.0 | 77.5 | 103 |
| 30 - 40 | 353 | 3.4 | 3.8 | 5.6 | 31.1 | 2.5 | 20.6 | 1,827 | 8.1 | 127.0 | 7.3 | 197.3 | 1.1 | 1.7 | 2,180 | 4.9 | 129.6 | 186 |
| 40 - 50 | 219 | 2.1 | 2.9 | 4.3 | 39.7 | 2.2 | 30.5 | 1,011 | 4.5 | 91.2 | 5.2 | 254.3 | 0.8 | 2.2 | 1,230 | 3.7 | 93.4 | 144 |
| 50 - 100 | 564 | 5.4 | 11.3 | 16.6 | 58.9 | 11.3 | 59.1 | 1,592 | 7.0 | 214.1 | 12.3 | 384.4 | 2.0 | 3.6 | 2,156 | 13.3 | 225.5 | 406 |
| **Subtotal <=100** | **9,902** | **95.1** | **36.9** | **54.0** | **11.0** | **24.0** | **7.1** | **21,353** | **94.1** | **805.9** | **46.3** | **111.6** | **6.5** | **0.9** | **31,255** | **43.4** | **829.9** | **1,485** |
| 100 - 200 | 196 | 1.9 | 6.7 | 9.8 | 105.4 | 9.9 | 155.9 | 705 | 3.1 | 186.2 | 10.7 | 767.8 | 2.4 | 10.0 | 901 | 9.1 | 196.1 | 225 |
| 200 - 400 | 139 | 1.3 | 8.9 | 13.1 | 217.6 | 16.3 | 398.4 | 380 | 1.7 | 173.0 | 9.9 | 1,489.4 | 2.9 | 24.7 | 519 | 11.8 | 189.3 | 184 |
| 400 - 800 | 135 | 1.3 | 11.1 | 16.3 | 435.6 | 16.6 | 650.9 | 169 | 0.7 | 122.2 | 7.0 | 2,771.5 | 3.2 | 73.0 | 304 | 14.3 | 138.8 | 177 |
| 800 - 1,600 | 38 | 0.4 | 4.3 | 6.3 | 783.1 | 6.8 | 1,237.9 | 46 | 0.2 | 58.0 | 3.3 | 4,944.2 | 3.1 | 263.5 | 84 | 7.4 | 64.8 | 72 |
| 1,600 - 3,200 | 1 | 0.0 | 0.3 | 0.5 | 1,424.0 | 0.9 | 4,102.7 | 16 | 0.1 | 55.7 | 3.2 | 10,882.2 | 1.4 | 278.7 | 17 | 1.7 | 56.5 | 14 |
| 3,200 - 6,400 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 0.1 | 160.4 | 9.2 | 29,298.2 | 0.0 | 7.7 | 15 | 0.0 | 160.4 | 2 |
| 6,400 - 12,800 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8 | 0.0 | 179.0 | 10.3 | 61,309.7 | 0.0 | 0.0 | 8 | 0.0 | 179.0 | 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 |
| **Total** | **10,411** | **100.0** | **68.2** | **100.0** | **19.5** | **74.5** | **21.3** | **22,692** | **100.0** | **1,740.3** | **100.0** | **227.5** | **19.6** | **2.6** | **33,103** | **87.8** | **1,814.9** | **2,159** |

Notes:

1) Source: State administrative oil & gas data thru Enverus 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, this includes all oil and/or gas producing 'entities' available in Enverus Drillinginfo database.

4) For late reporting states; the last year of available data is repeated for missing years (AZ 2017 used for 2018, MD & TN 2016 for 2017-18, KY 2013 for 2014 and 2015 for 2016-18). All years are missing for IL and IN.

5) To be consistent between states a GOR of 6,000 (cf/bbl) for each years production was used to define oil versus gas wells. If the GOR was less (greater) than 6,000 (cf/bbl) the well was classed an oil (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) Gas volumes have been converted from the various state pressure bases to the Federal base (14.73 psia).

Data available as of October 2019.