

**SOUTH DAKOTA OIL AND GAS PRODUCTION SUMMARY 2017**

| <b>Field</b>              | <b>County</b>   | <b>Discovery Date</b> | <b>Producing Formation</b> | <b>Well Vertical Depth (ft.)</b> | <b>Spacing (range)</b> | <b>Oil (Bbl)</b> | <b>Total Gas (Mcf)</b> | <b>Marketed Gas (Mcf)</b> | <b>Water (Bbl)</b> |
|---------------------------|-----------------|-----------------------|----------------------------|----------------------------------|------------------------|------------------|------------------------|---------------------------|--------------------|
| Alkali Creek              | Fall River      | 1998                  | Minnelusa Formation        | 1510-3750                        | 40                     | -                | -                      | -                         | -                  |
| Alum Creek                | Fall River      | 1980                  | Minnelusa Formation        | 3435-4291                        | 40                     | 7,320            | -                      | -                         | 350,498            |
| Barker Dome               | Custer          | 1955                  | Minnelusa Formation        | 1401-1420                        | 10                     | 413.35           | -                      | -                         | 80,678             |
| Border                    | Harding         | 2008                  | Red River Formation        | 8709-8823                        | 840-1700               | 4,924            | 1,949                  | -                         | 97,433             |
| Buffalo                   | Harding         | 1954                  | Red River Formation        | 8300-9332                        | 160-1280               | 707,943          | 6,973,181              | 12,259                    | 3,519,428          |
| Bull Creek                | Harding         | 1978                  | Red River Formation        | 8560-9005                        | 320-1280               | 7,534            | -                      | -                         | 97,890             |
| Cady Creek                | Harding         | 1978                  | Shannon Sandstone          | 1024-2800                        | 160-320                | -                | -                      | -                         | -                  |
| Cheyenne Bend             | Fall River      | 1987                  | Minnelusa Formation        | 2400-2620                        | 40                     | 836              | -                      | -                         | 68,734             |
| Clarkson Ranch            | Harding         | 1993                  | Red River Formation        | 9165-9250                        | 320-960                | 33,170           | 12,060                 | -                         | 87,281             |
| Corey Butte               | Harding         | 1975                  | Red River Formation        | 8989-9036                        | 320-640                | 7,446            | 5,935                  | 1,547                     | 19,535             |
| East Harding Springs      | Harding         | 1976                  | Red River Formation        | 8850-9771                        | 320-960                | 89,327           | 39,940                 | 16,449                    | 395,481            |
| East Simms Draw           | Fall River      | 1984                  | Minnelusa Formation        | 3700-4005                        | 10                     | -                | -                      | -                         | -                  |
| Edgemont                  | Fall River      | 1980                  | Minnelusa Formation        | 2672-2980                        | 40                     | -                | -                      | -                         | -                  |
| Faith                     | Meade           | 2010                  | Eagle & Greenhorn          | 2147-3706                        | 40                     | -                | -                      | -                         | -                  |
| Fiddle Creek              | Fall River      | 2012                  | Minnelusa Formation        | 3300-3304                        | 40                     | -                | -                      | -                         | -                  |
| Gullickson                | Meade           | 2010                  | Minnelusa Formation        | 460-616                          | 40                     | -                | -                      | -                         | -                  |
| Harding Springs           | Harding         | 1973                  | Red River Formation        | 9019-9320                        | 320                    | 2,884            | 2,129                  | -                         | 541                |
| Igloo                     | Fall River      | 1990                  | Minnelusa Formation        | 3196-3550                        | 40                     | -                | -                      | -                         | -                  |
| Indian Creek              | Fall River      | 1978                  | Minnelusa Formation        | 2600-4611                        | 40                     | -                | -                      | -                         | -                  |
| Jones Creek               | Harding         | 1975                  | Red River Formation        | 8302-8742                        | 320-640                | 4,328            | -                      | -                         | 47,971             |
| Jumpoff                   | Harding         | 2008                  | Shannon Sandstone          | 1450-3814                        | 160                    | -                | -                      | -                         | -                  |
| Lantry                    | Dewey           | 1976                  | Red River Formation        | 4897-5830                        | 160                    | -                | -                      | -                         | -                  |
| North Hollingsworth       | Fall River      | 1984                  | Minnelusa Formation        | 3718-4431                        | 40                     | -                | -                      | -                         | -                  |
| Pete's Creek              | Harding         | 1996                  | Red River Formation        | 8856-9247                        | 320-640                | 195,881          | 80,743                 | 40,199                    | 260,831            |
| Porter Ranch              | Fall River      | 1987                  | Minnelusa Formation        | 1180-2900                        | 40                     | 3,326            | -                      | -                         | 23,500             |
| Provo                     | Fall River      | 1986                  | Minnelusa Formation        | 1314-3877                        | 40                     | -                | -                      | -                         | -                  |
| Sheep Draw East           | Fall River      | 1985                  | Minnelusa Formation        | 3800-4025                        | 40                     | -                | -                      | -                         | -                  |
| South Medicine Pole Hills | Harding         | 1972                  | Red River Formation        | 9062-9342                        | 320-1059.28            | 47,535           | 47,516                 | -                         | 446,542            |
| Stateline                 | Harding         | 1973                  | Red River Formation        | 8965-9292                        | 320-740                | 57,853           | 23,896                 | 9                         | 438,674            |
| Table Mountain            | Harding         | 1983                  | Red River Formation        | 8732-9893                        | 320-1280               | 55,786           | 2,114                  | -                         | 371,602            |
| Travers Ranch             | Harding         | 1973                  | Red River Formation        | 9118-9140                        | 320-640                | 67,627           | 19,809                 | -                         | 534,089            |
| West Short Pine Hills     | Harding         | 1977                  | Shannon Sandstone          | 1200-2100                        | 160-640                | -                | 189,647                | 189,647                   | 342                |
| Wildcat                   | N/A (Statewide) | N/A                   | N/A                        | N/A                              | 40(oil)-640(gas)       | 3,751            | -                      | -                         | 45,502             |
| Yellow Hair               | Harding         | 1971                  | Red River Formation        | 8981-9489                        | 320-1280               | 6,737            | -                      | -                         | 37,733             |
| <b>Total Production</b>   |                 |                       |                            |                                  |                        | <b>1,304,621</b> | <b>7,398,919</b>       | <b>260,110</b>            | <b>6,924,285</b>   |