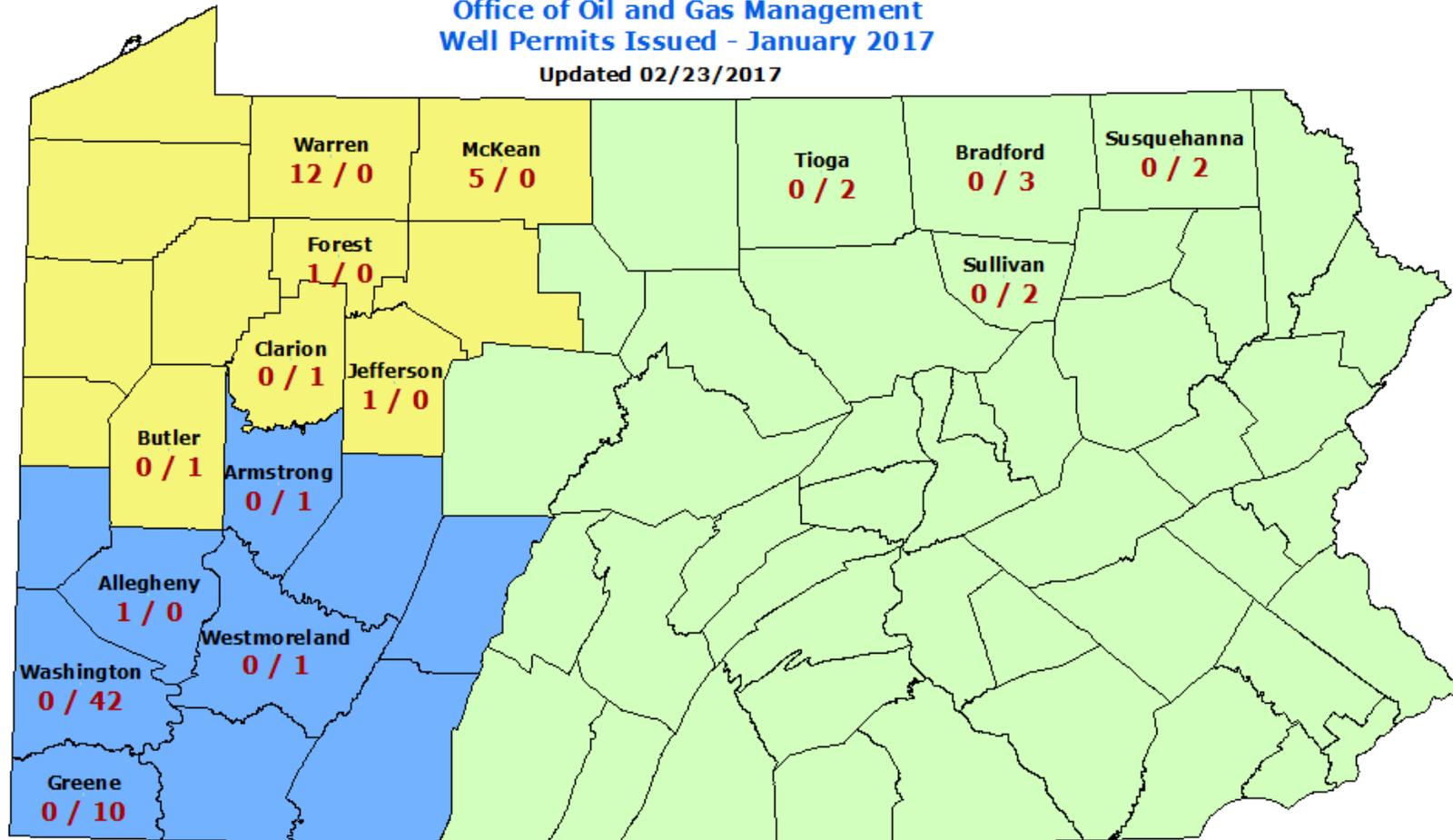


Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January 2017

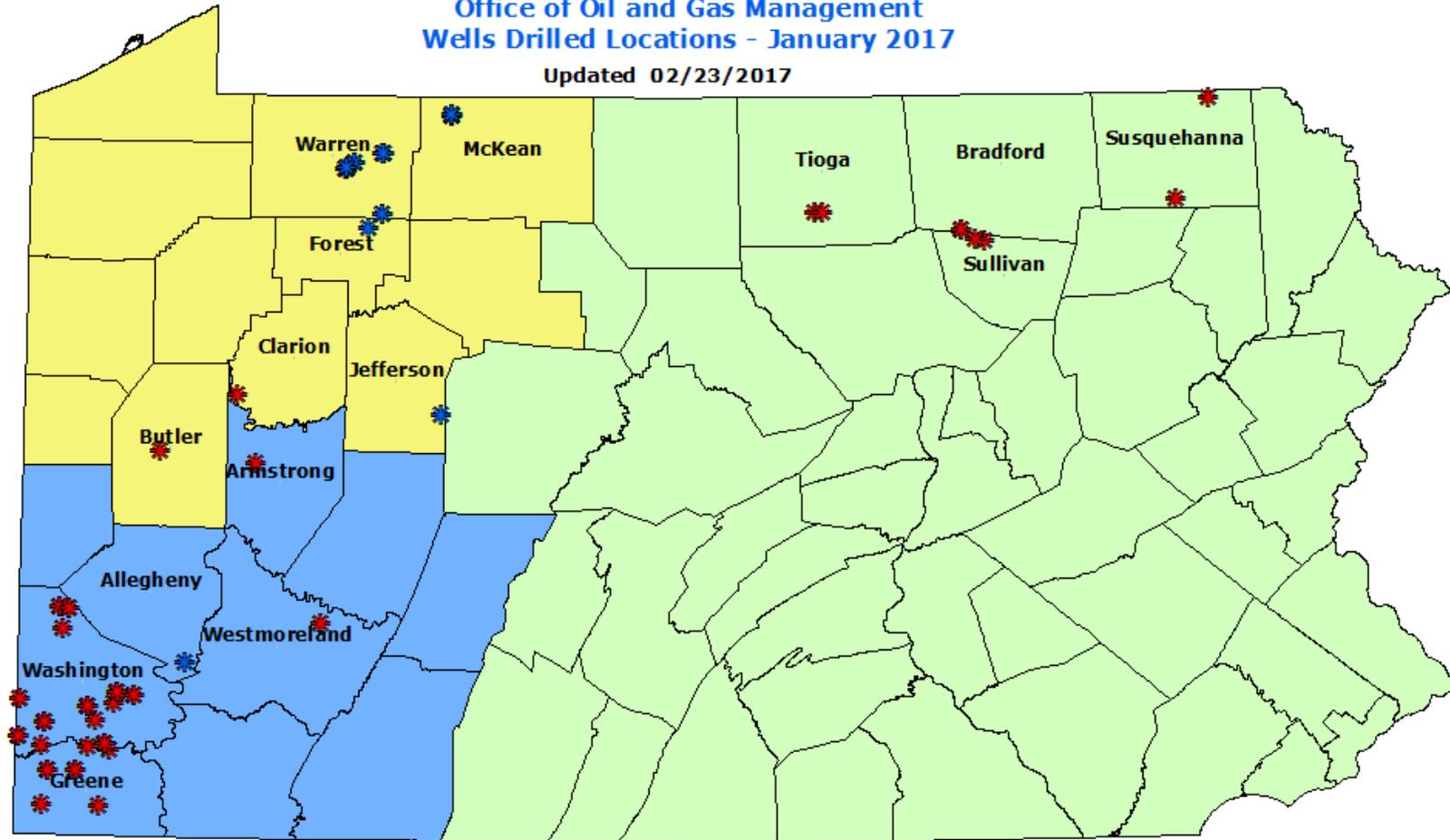
Updated 02/23/2017



Conventional - 20 + Unconventional - 65 = Total - 85

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January 2017

Updated 02/23/2017

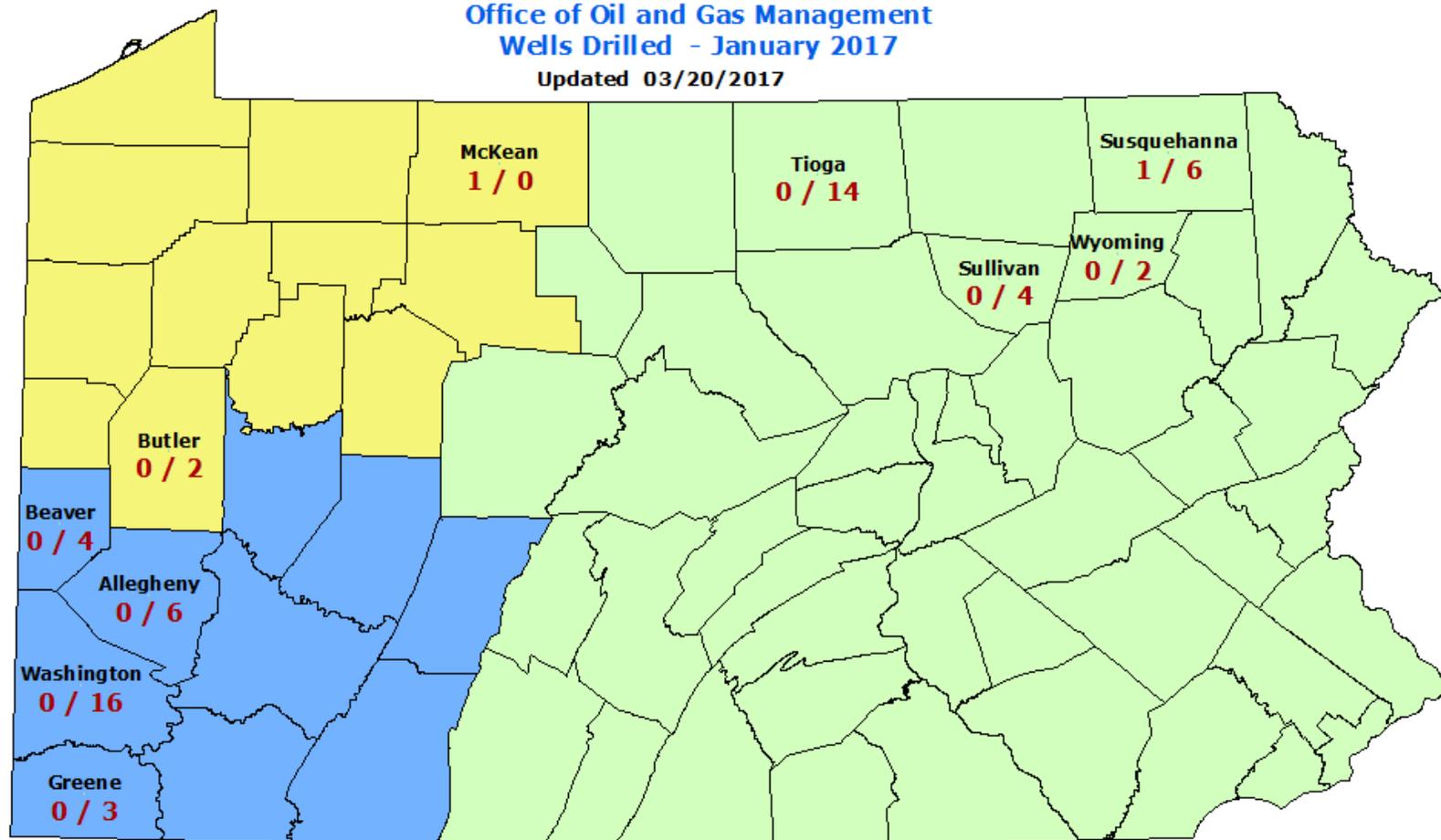


* Conventional Wells

* Unconventional Wells

Conventional - 20 + Unconventional - 65 = Total - 85

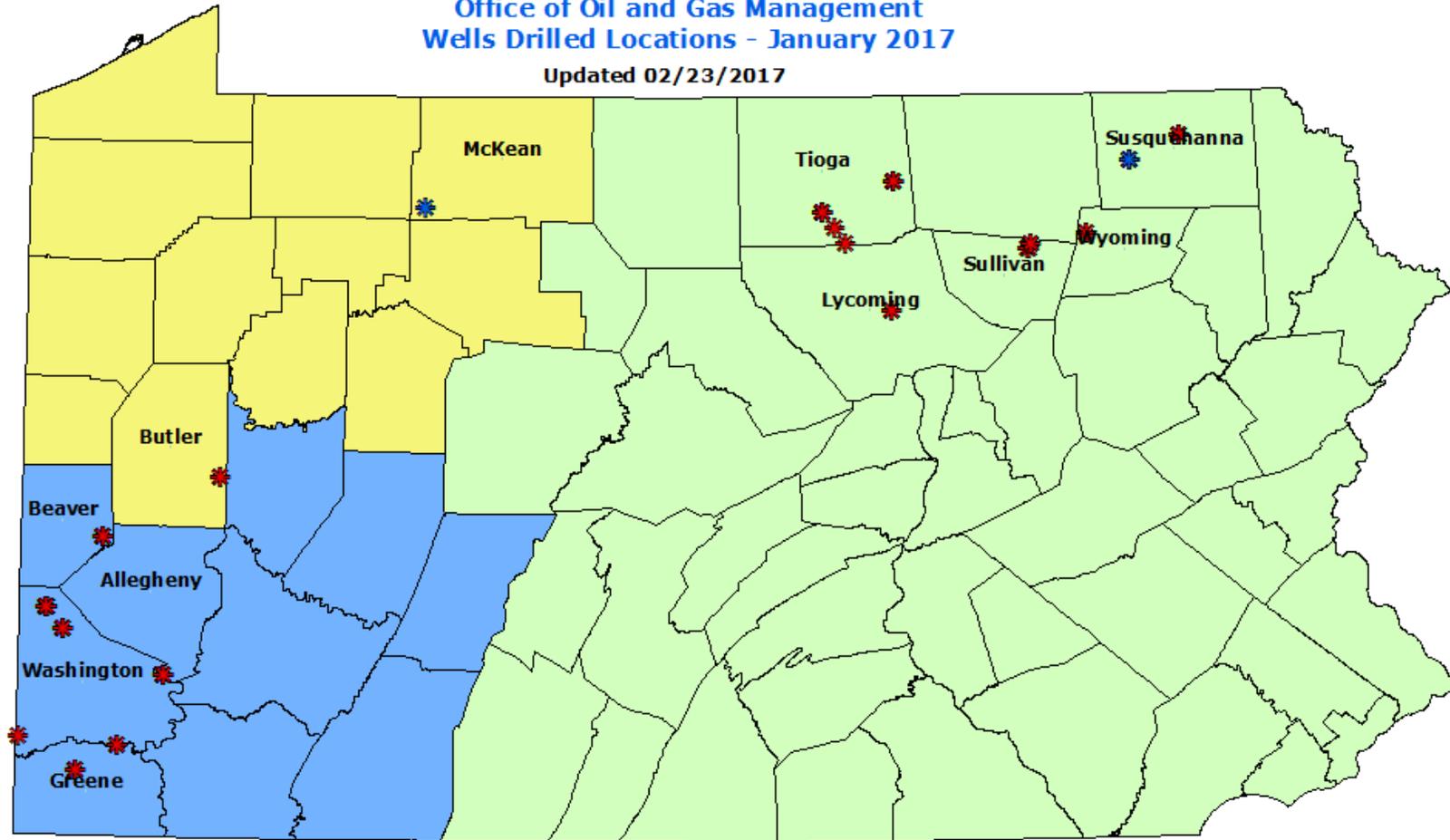
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January 2017
Updated 03/20/2017



(Conventional) - 2 + (Unconventional) - 57 = Total - 59

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January 2017

Updated 02/23/2017



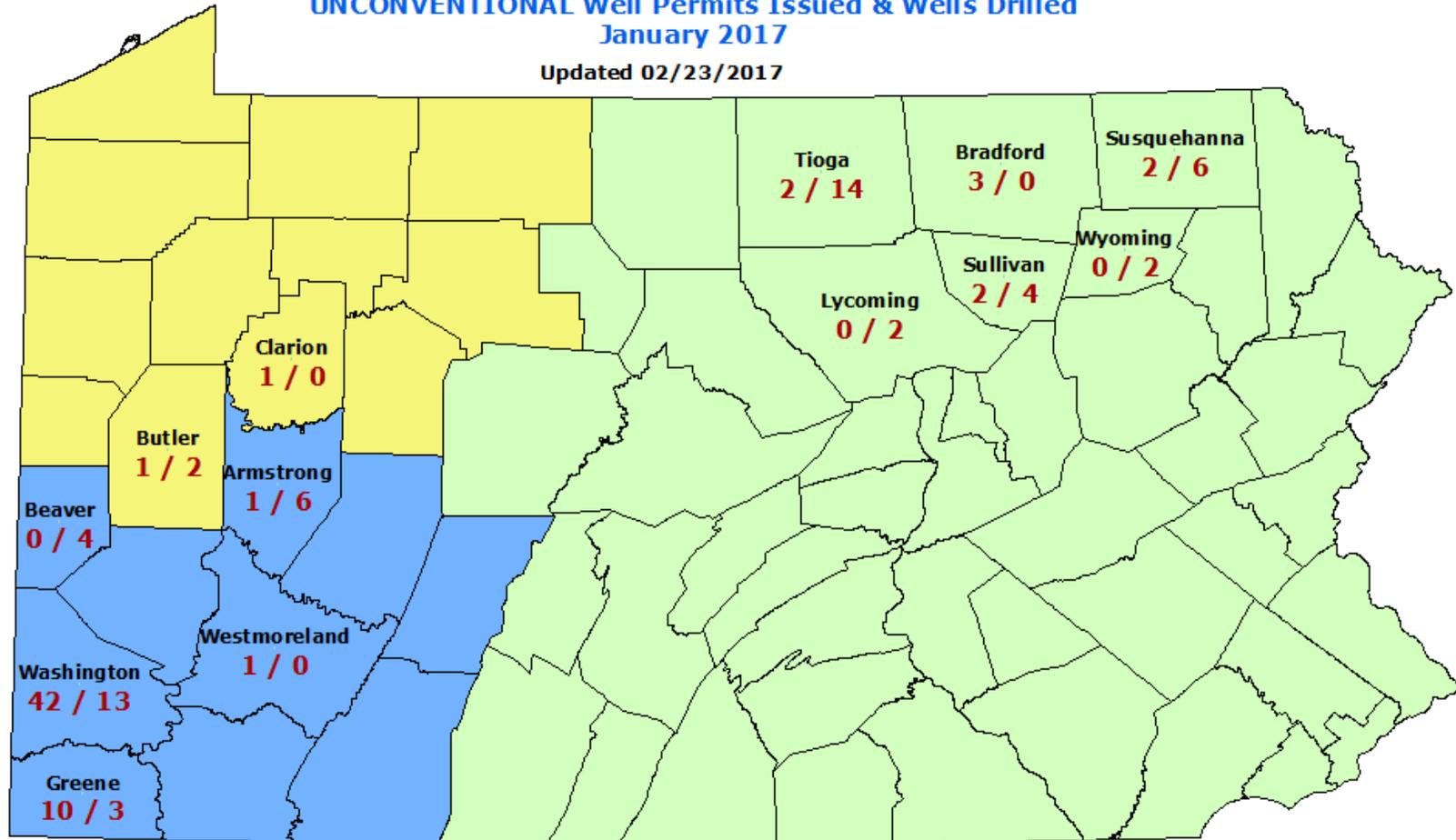
* Conventional Wells

* Unconventional Wells

(Conventional) - 2 + (Unconventional) - 56 = Total - 58

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January 2017

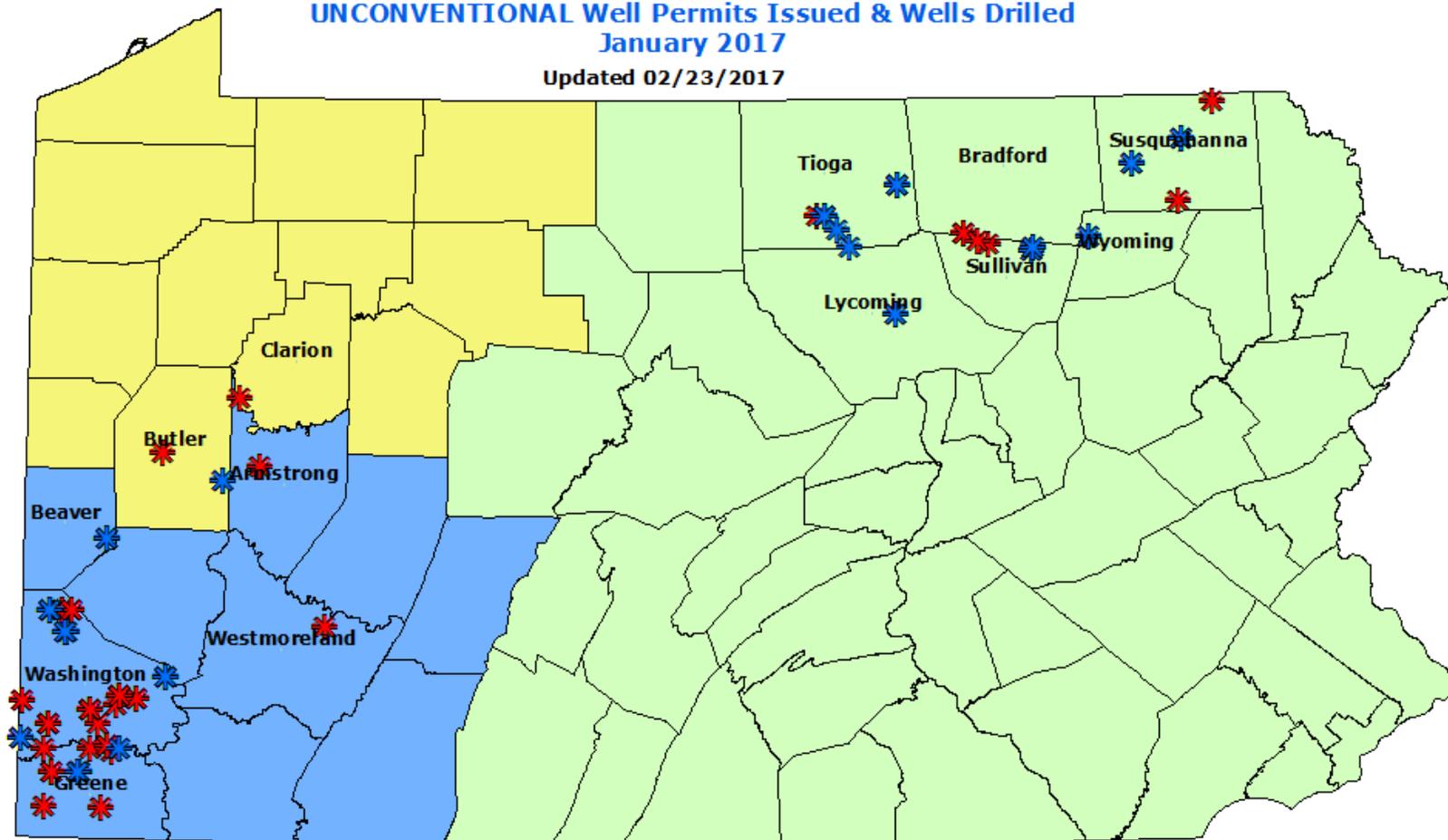
Updated 02/23/2017



Unconventional Permits Issued - 65 Unconventional Wells Drilled - 56

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January 2017

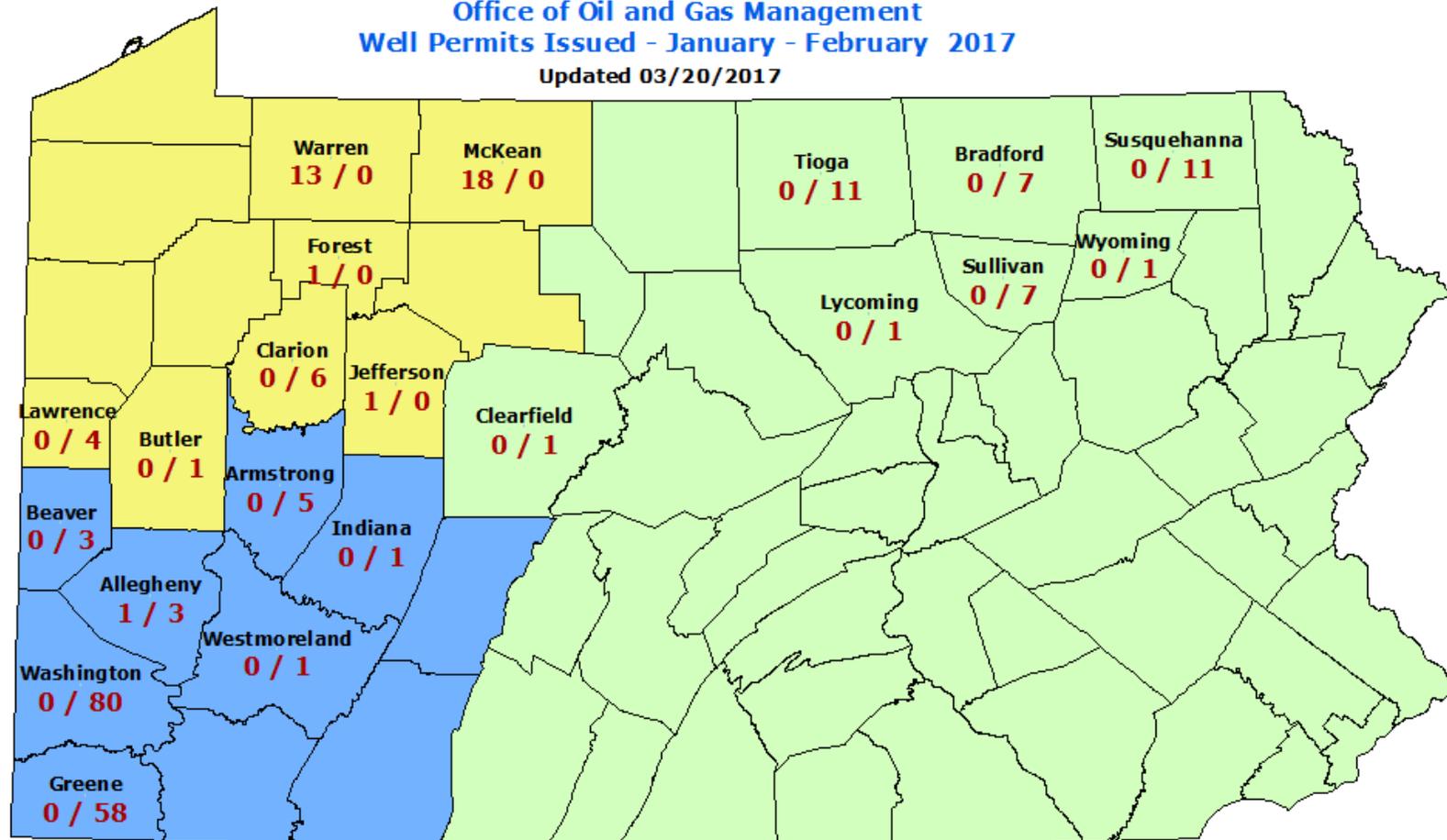
Updated 02/23/2017



Unconventional Permits Issued - 65 Unconventional Wells Drilled - 56

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - February 2017

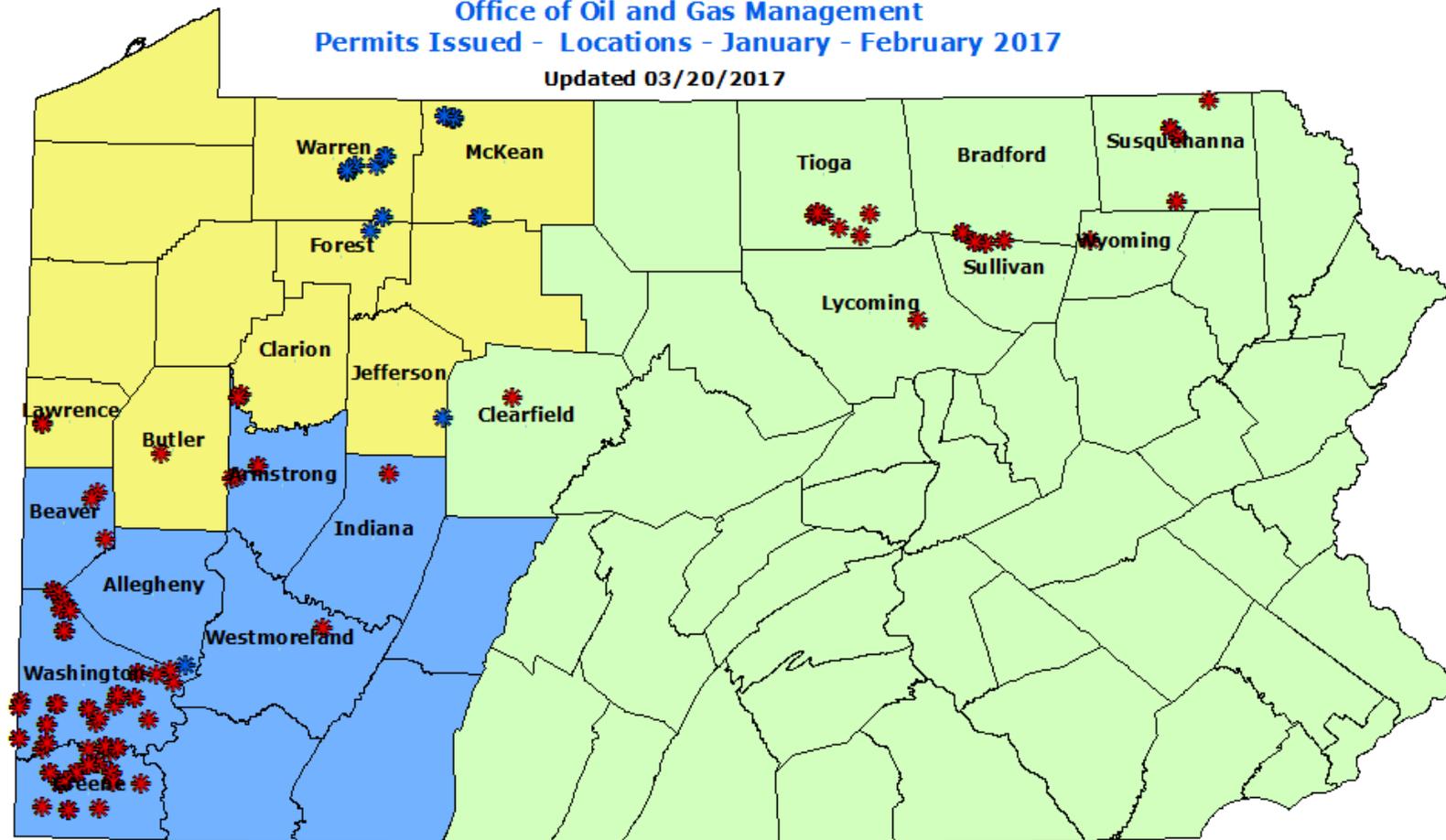
Updated 03/20/2017



Conventional - 34 + Unconventional - 201 = Total - 235

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - February 2017

Updated 03/20/2017

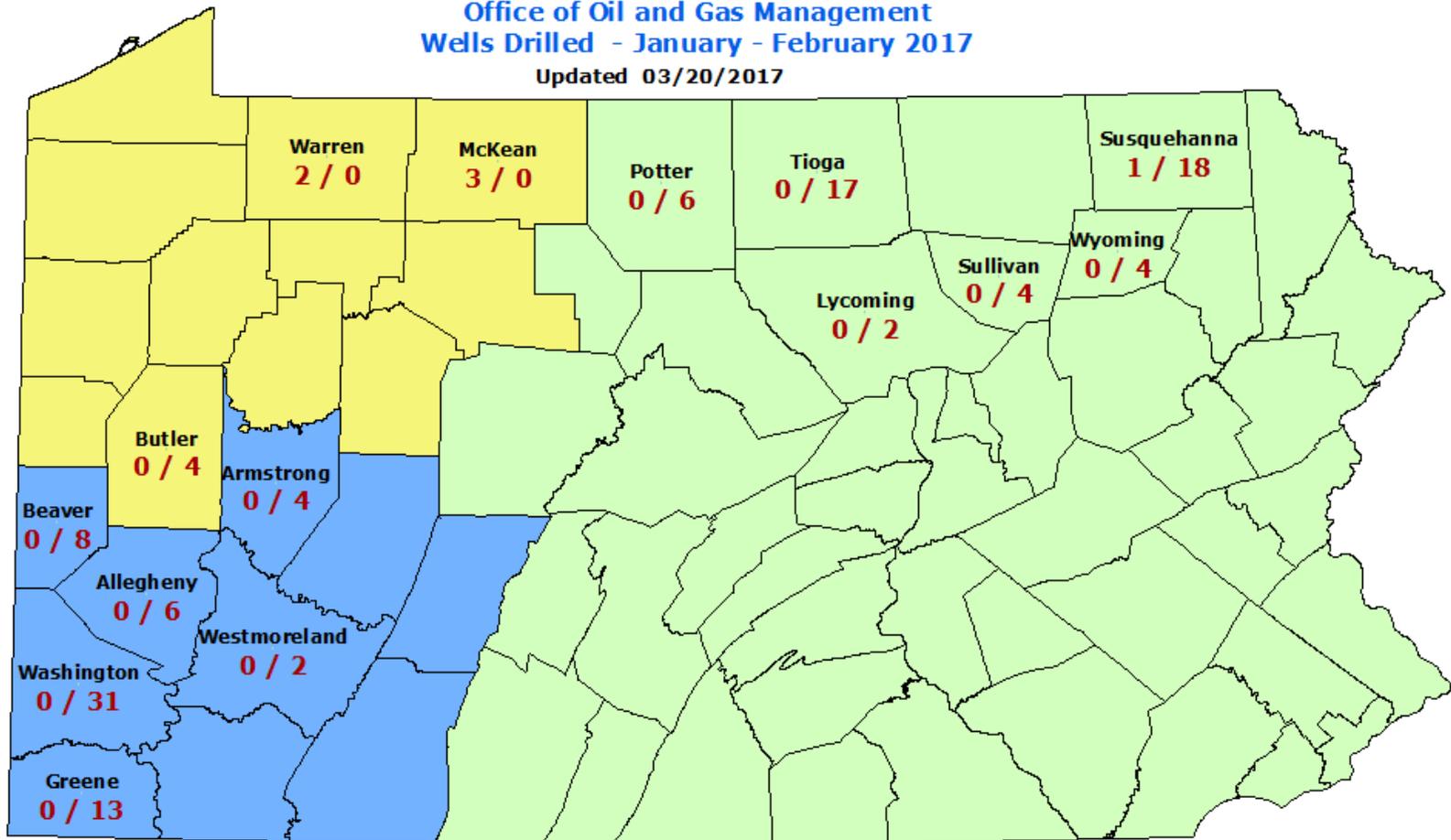


 Conventional Wells

 Unconventional Wells

Conventional - 34 + Unconventional - 201 = Total - 235

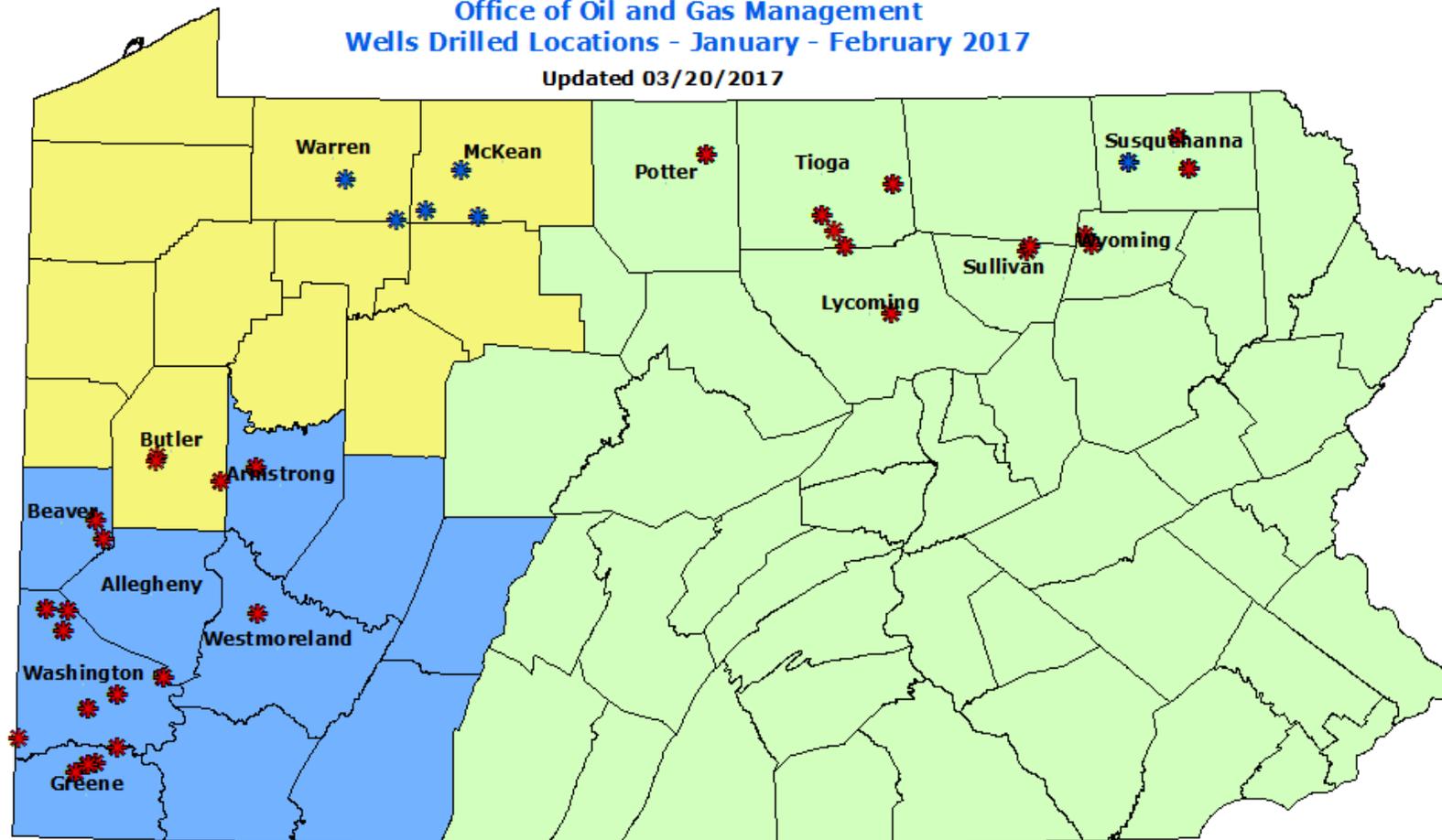
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - February 2017
Updated 03/20/2017



(Conventional) - 6 + (Unconventional) - 119 = Total - 125

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - February 2017

Updated 03/20/2017



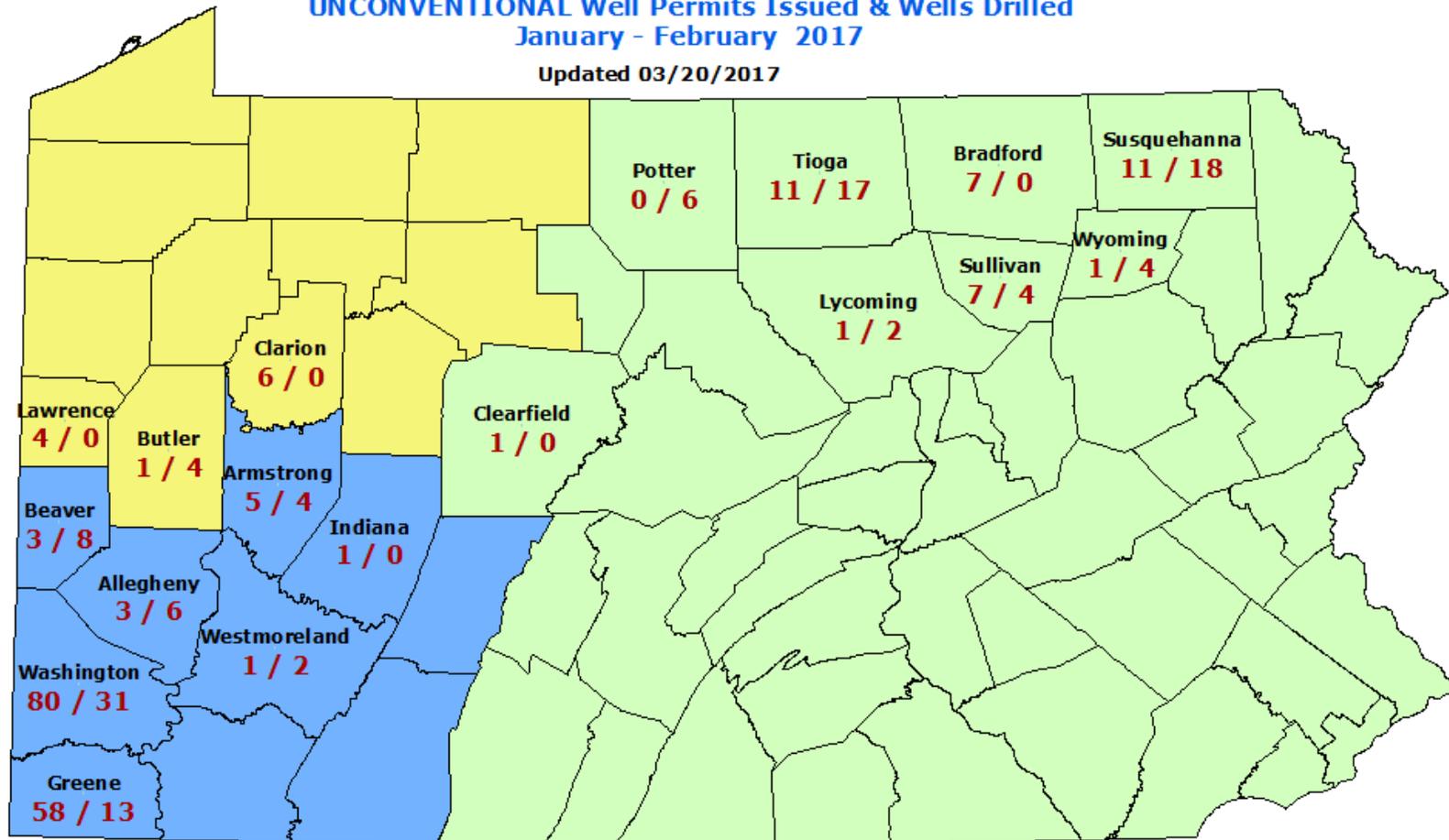
* Conventional Wells

* Unconventional Wells

(Conventional) - 6 + (Unconventional) - 119 = Total - 125

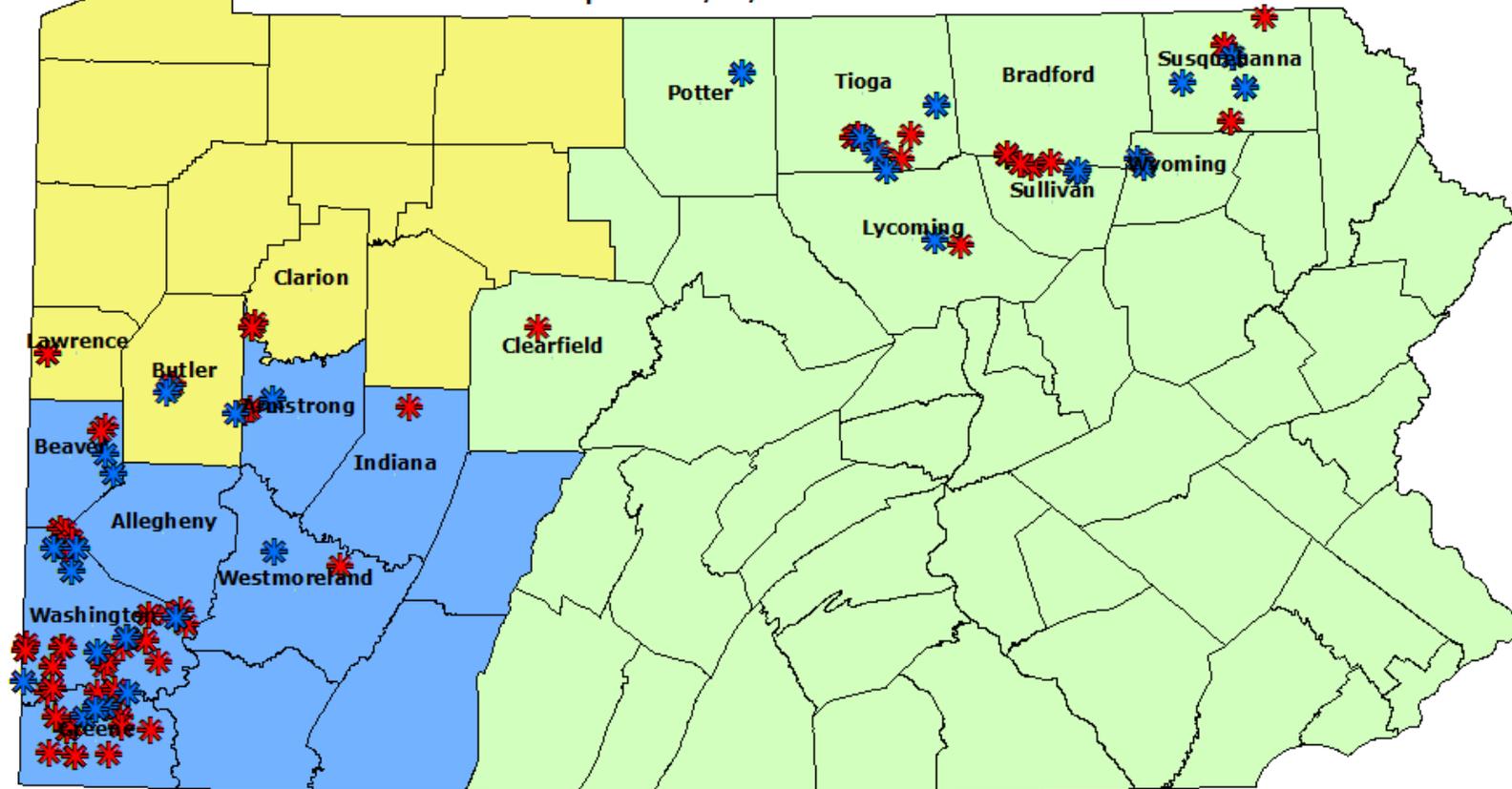
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - February 2017

Updated 03/20/2017



Unconventional Permits Issued - 201 Unconventional Wells Drilled - 119

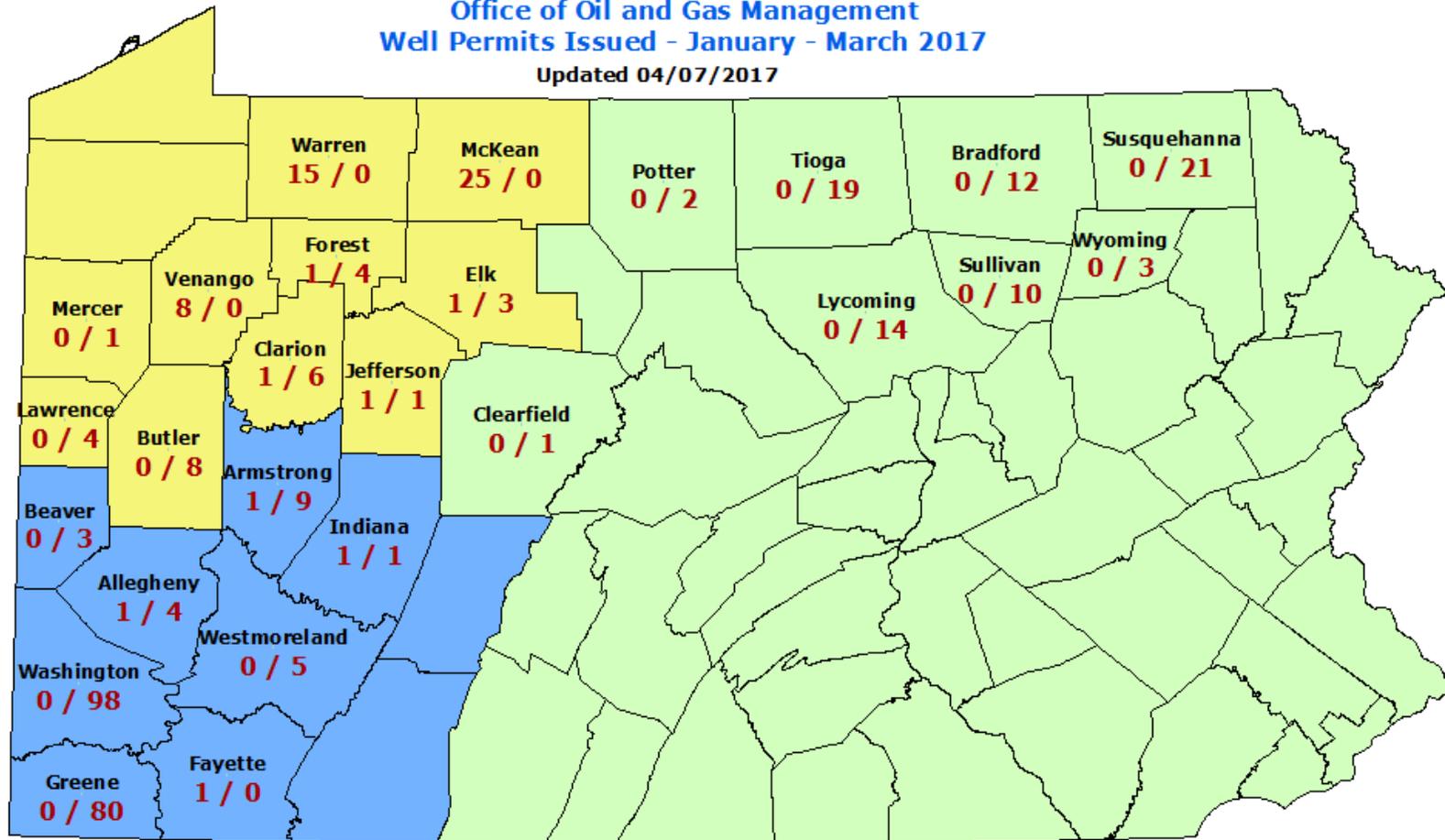
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January- February 2017
Updated 03/20/2017



Unconventional Permits Issued - 201 Unconventional Wells Drilled - 119

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - March 2017

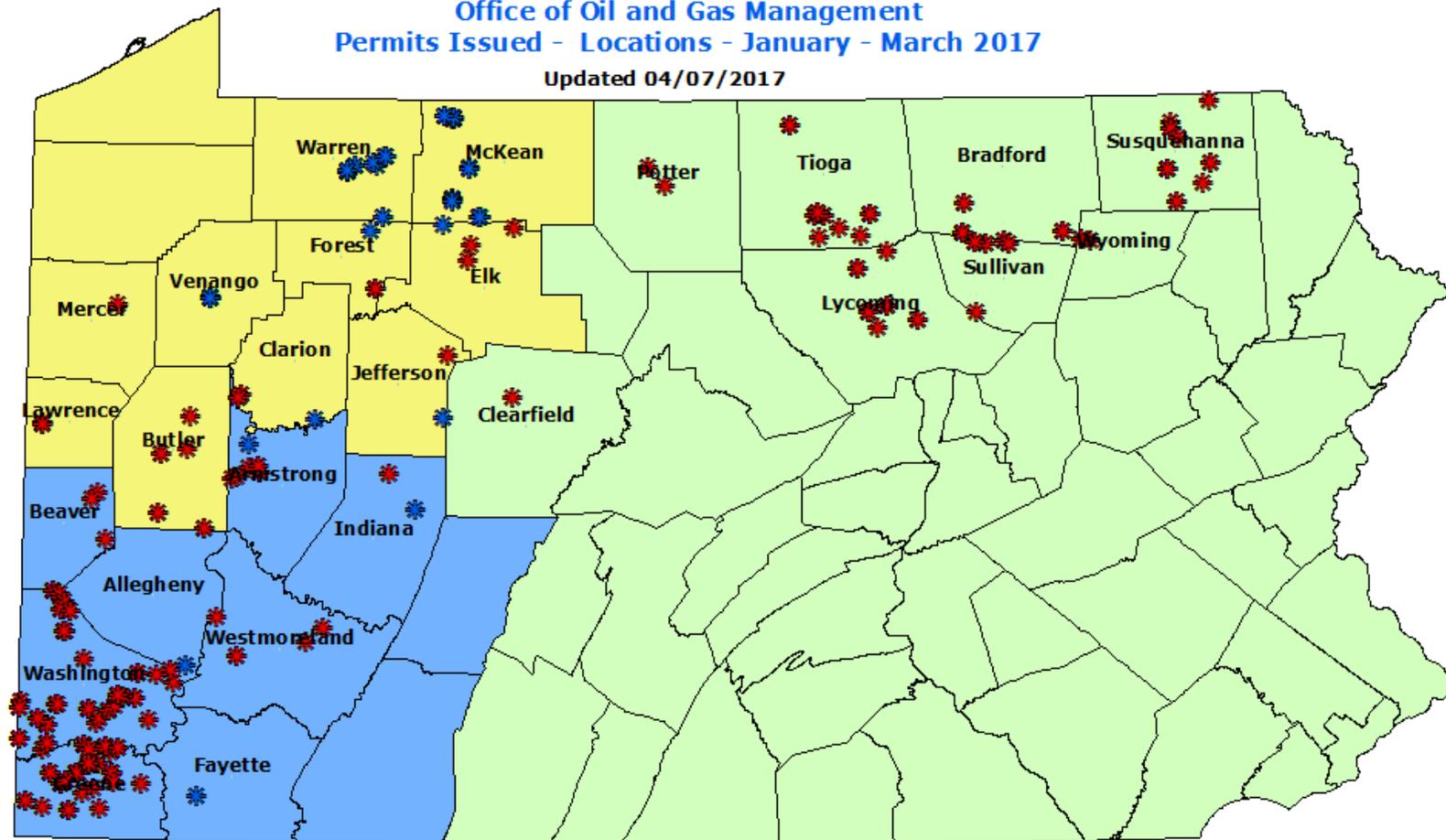
Updated 04/07/2017



Conventional - 56 + Unconventional - 309 = Total - 365

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - March 2017

Updated 04/07/2017

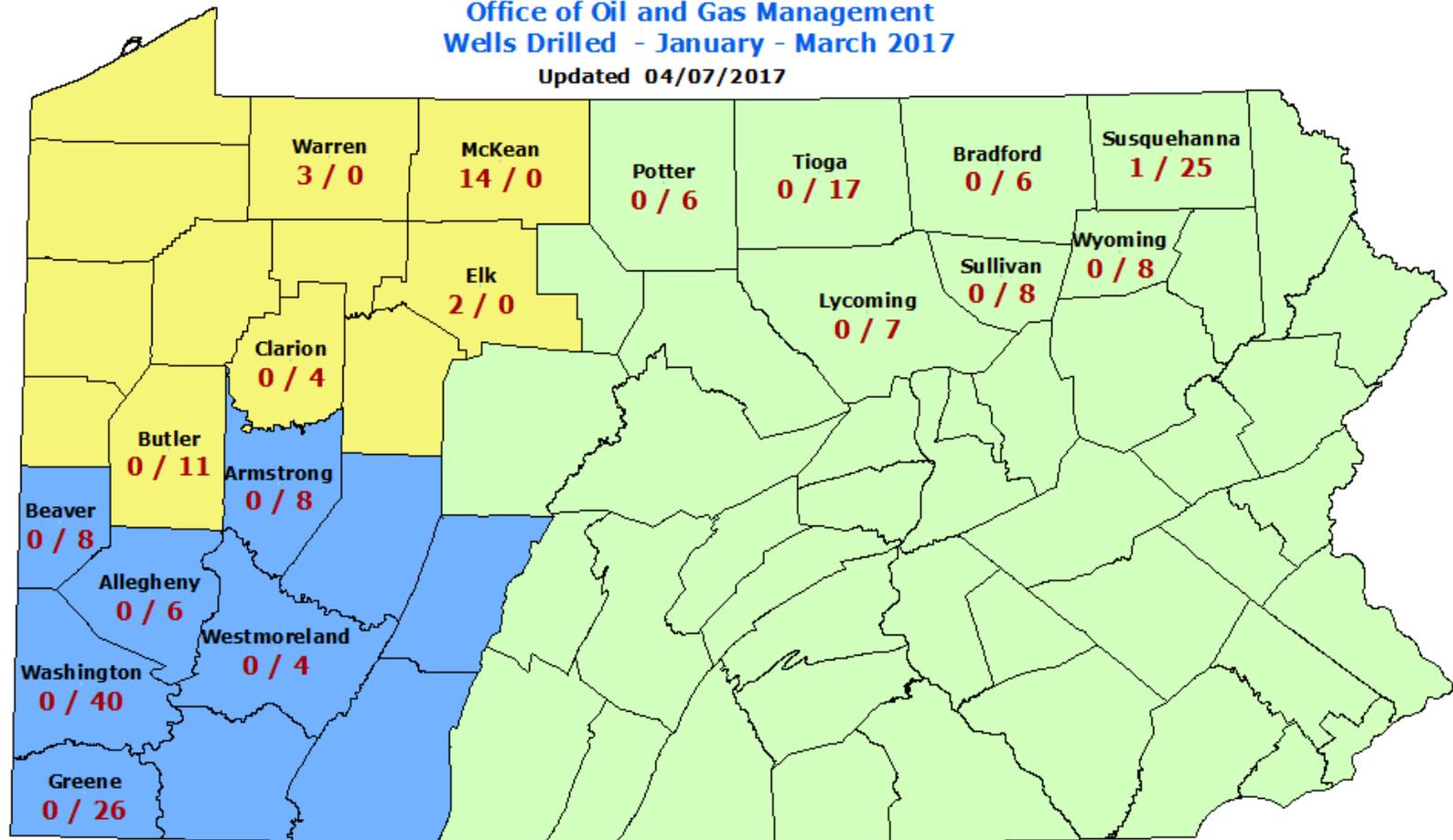


 Conventional Wells

 Unconventional Wells

Conventional - 56 + Unconventional - 309 = Total - 365

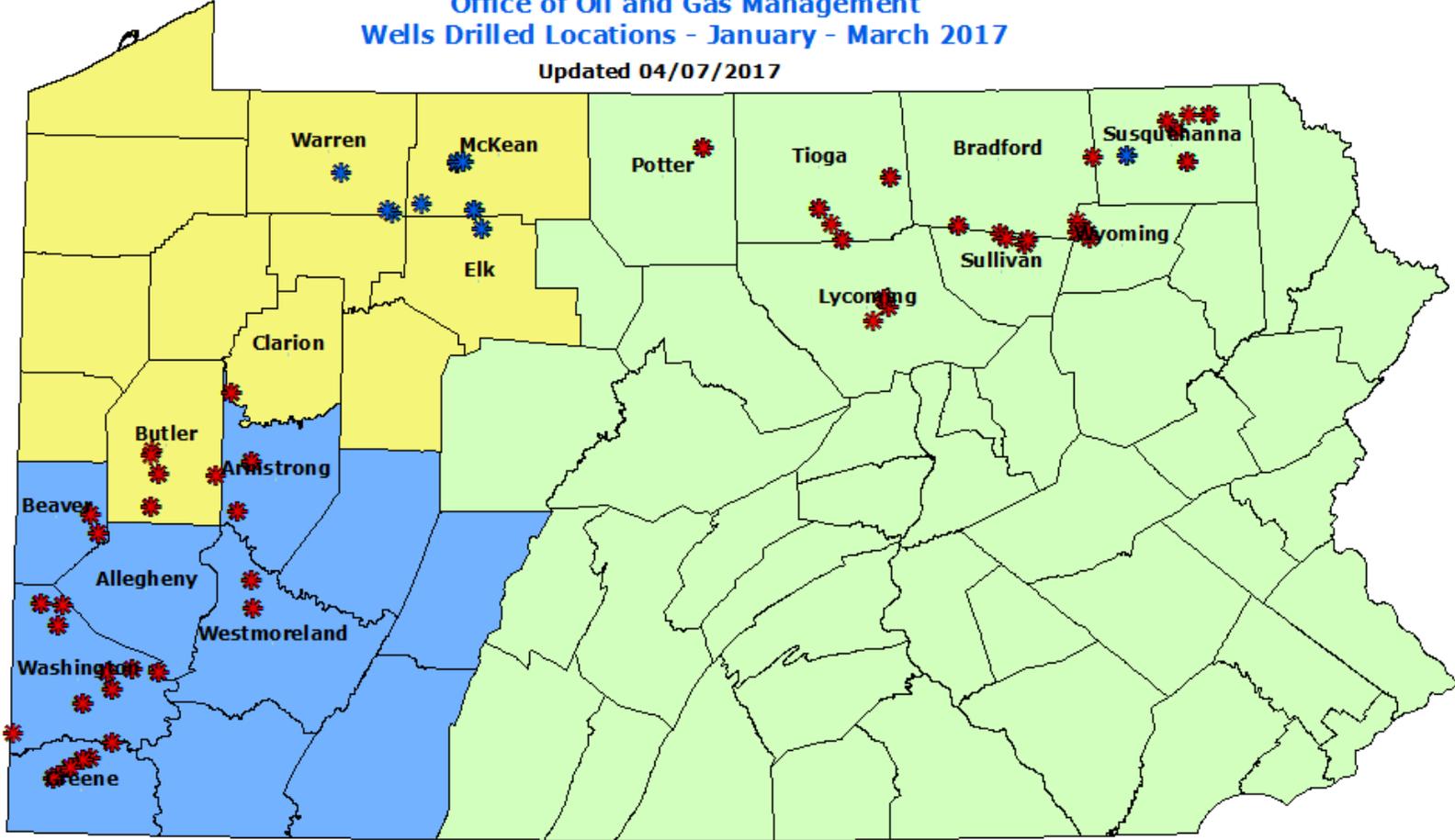
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - March 2017
Updated 04/07/2017



(Conventional) - 20 + (Unconventional) - 184 = Total - 204

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - March 2017

Updated 04/07/2017

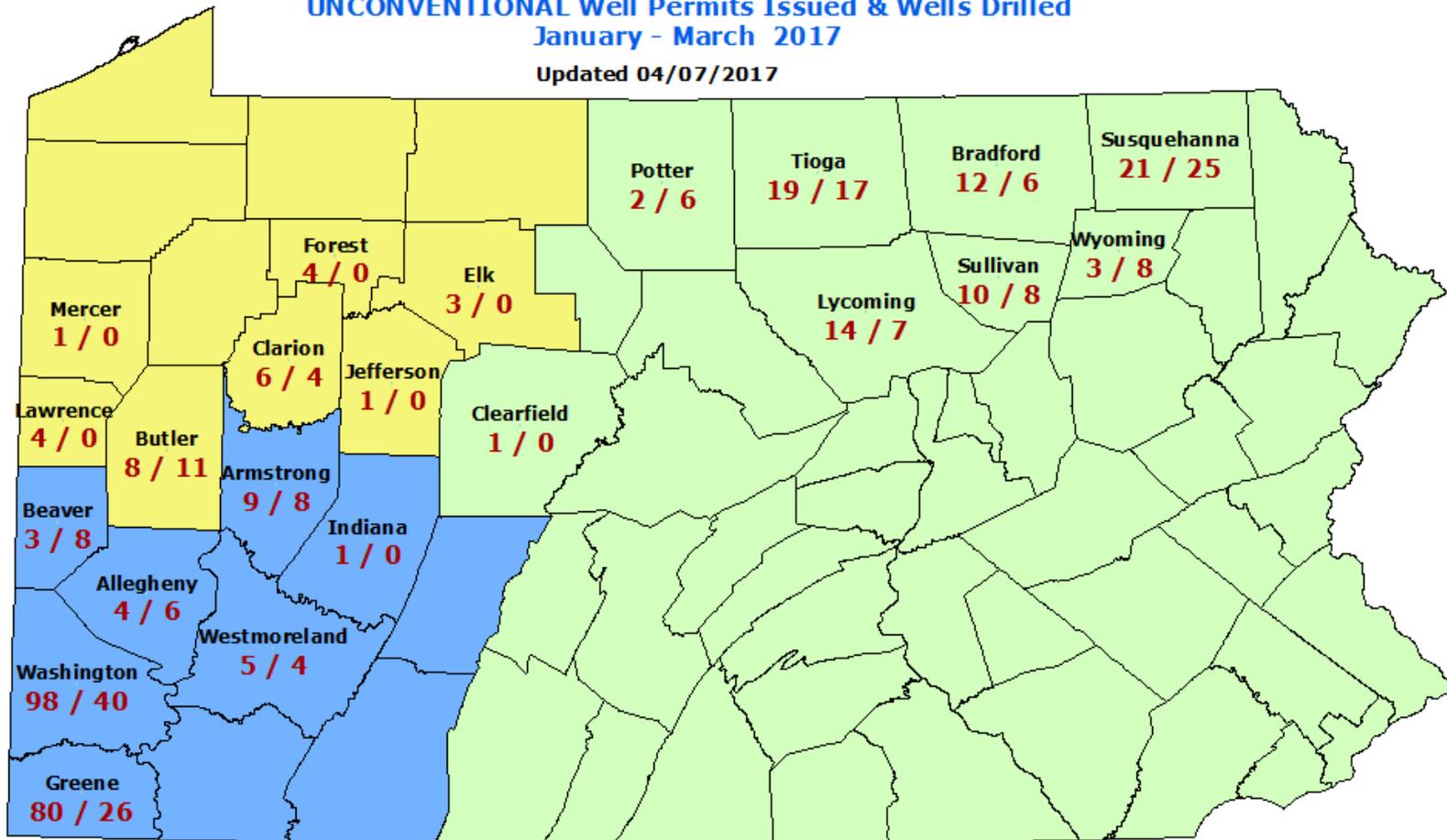


 Conventional Wells

 Unconventional Wells

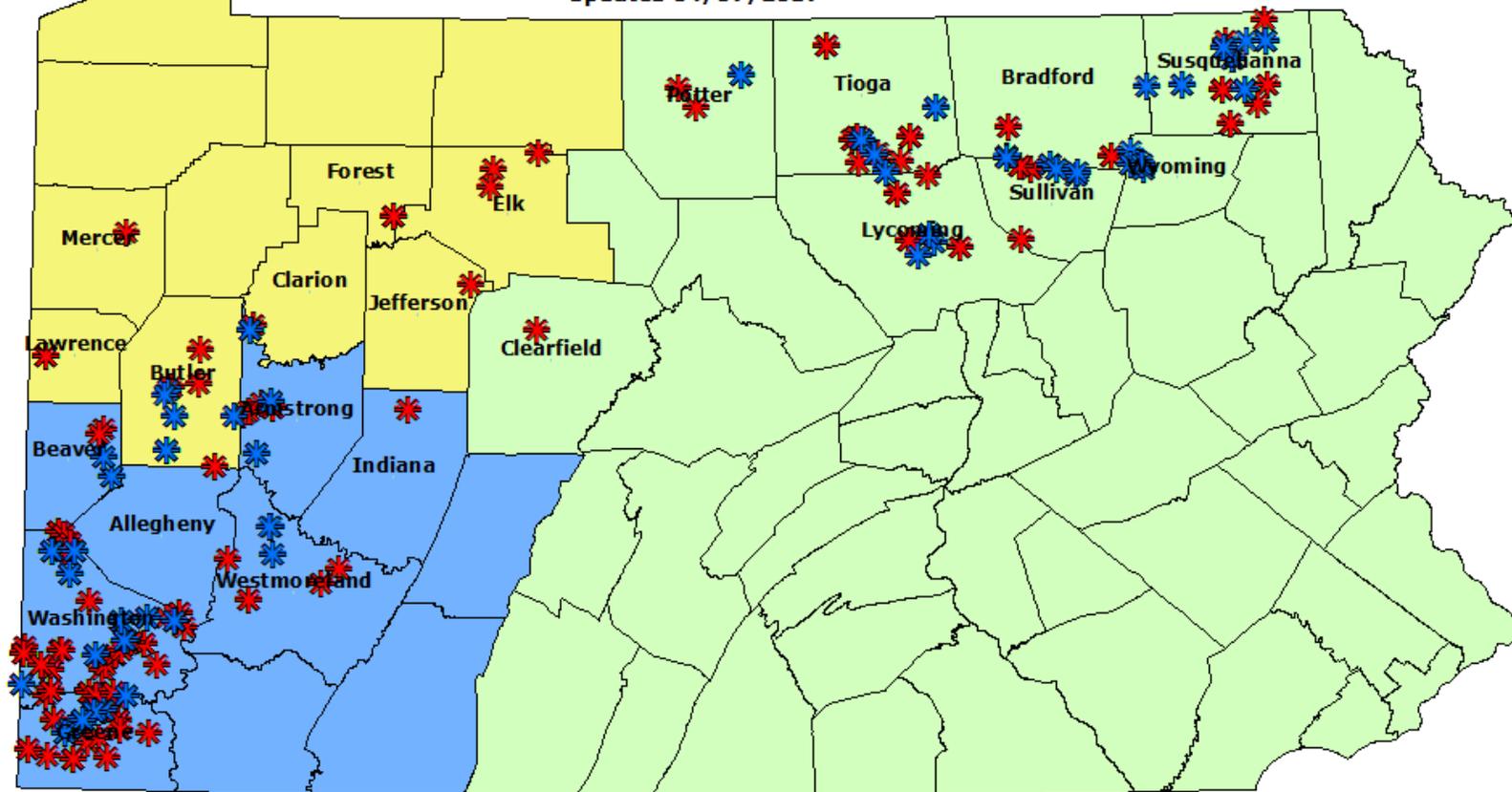
(Conventional) - 20 + (Unconventional) - 184 = Total - 204

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - March 2017
Updated 04/07/2017



Unconventional Permits Issued - 309 Unconventional Wells Drilled - 184

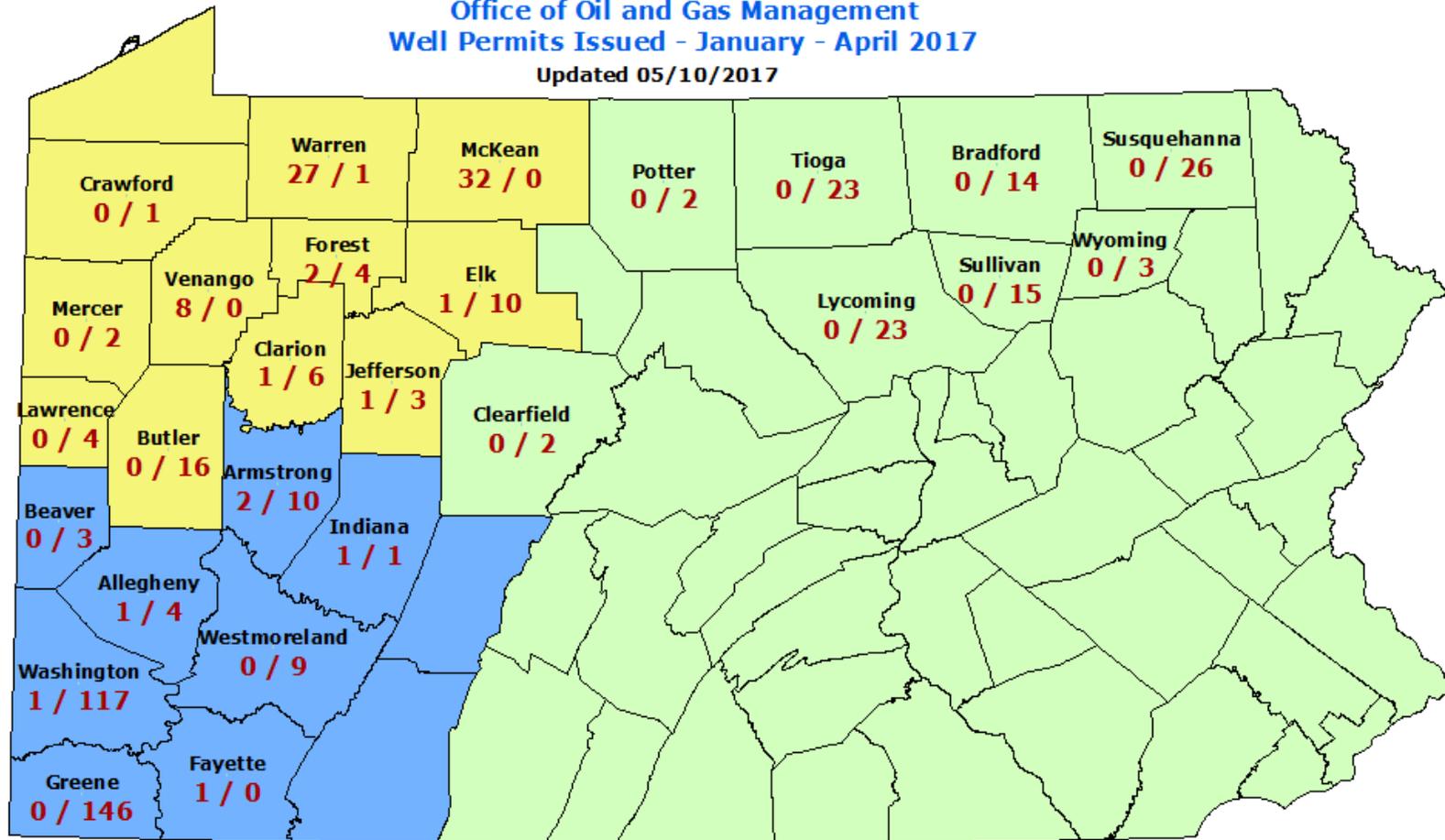
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January- March 2017
Updated 04/07/2017



Unconventional Permits Issued - 309 Unconventional Wells Drilled - 184

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - April 2017

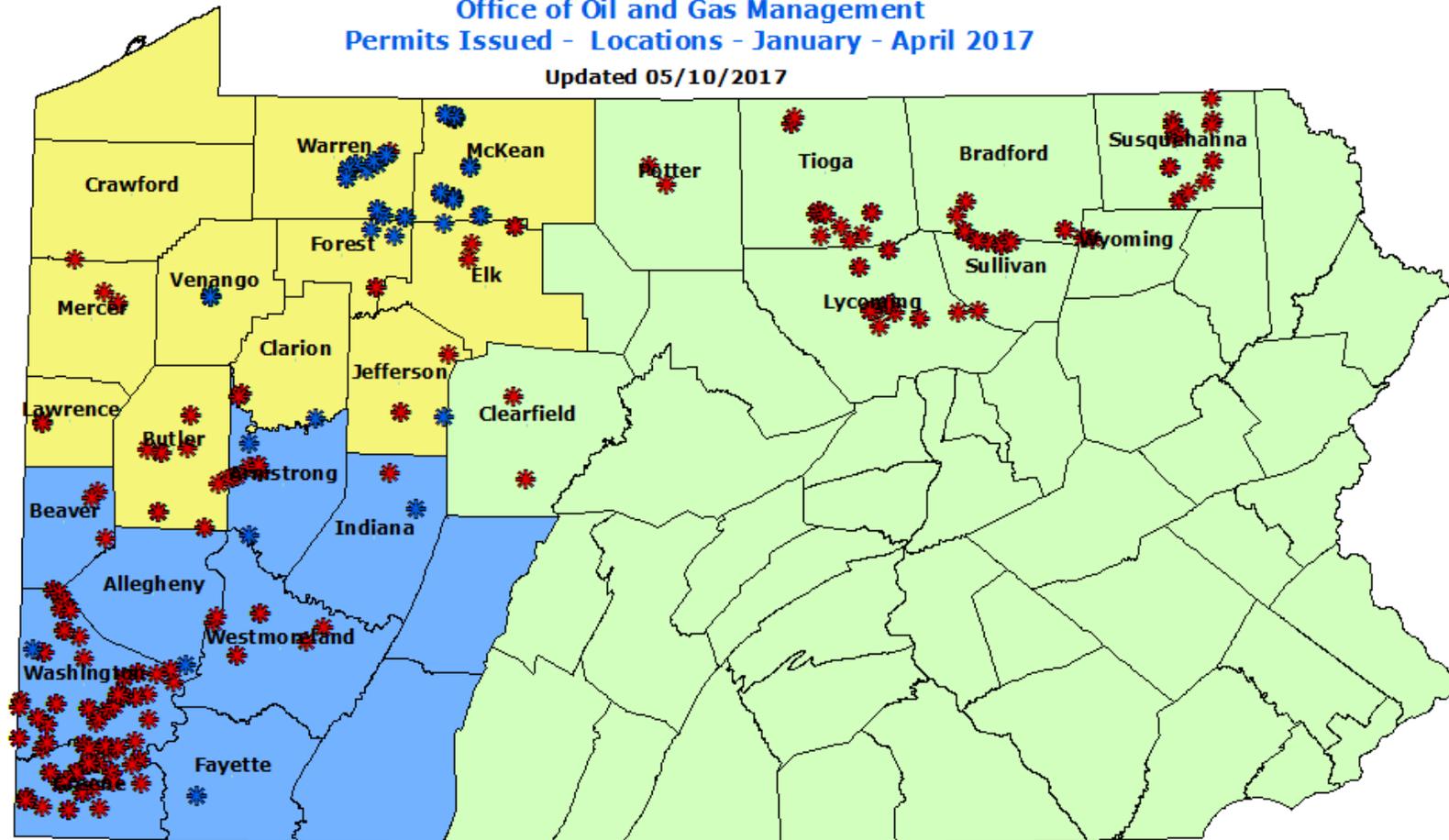
Updated 05/10/2017



Conventional - 78 + Unconventional - 445 = Total - 523

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - April 2017

Updated 05/10/2017

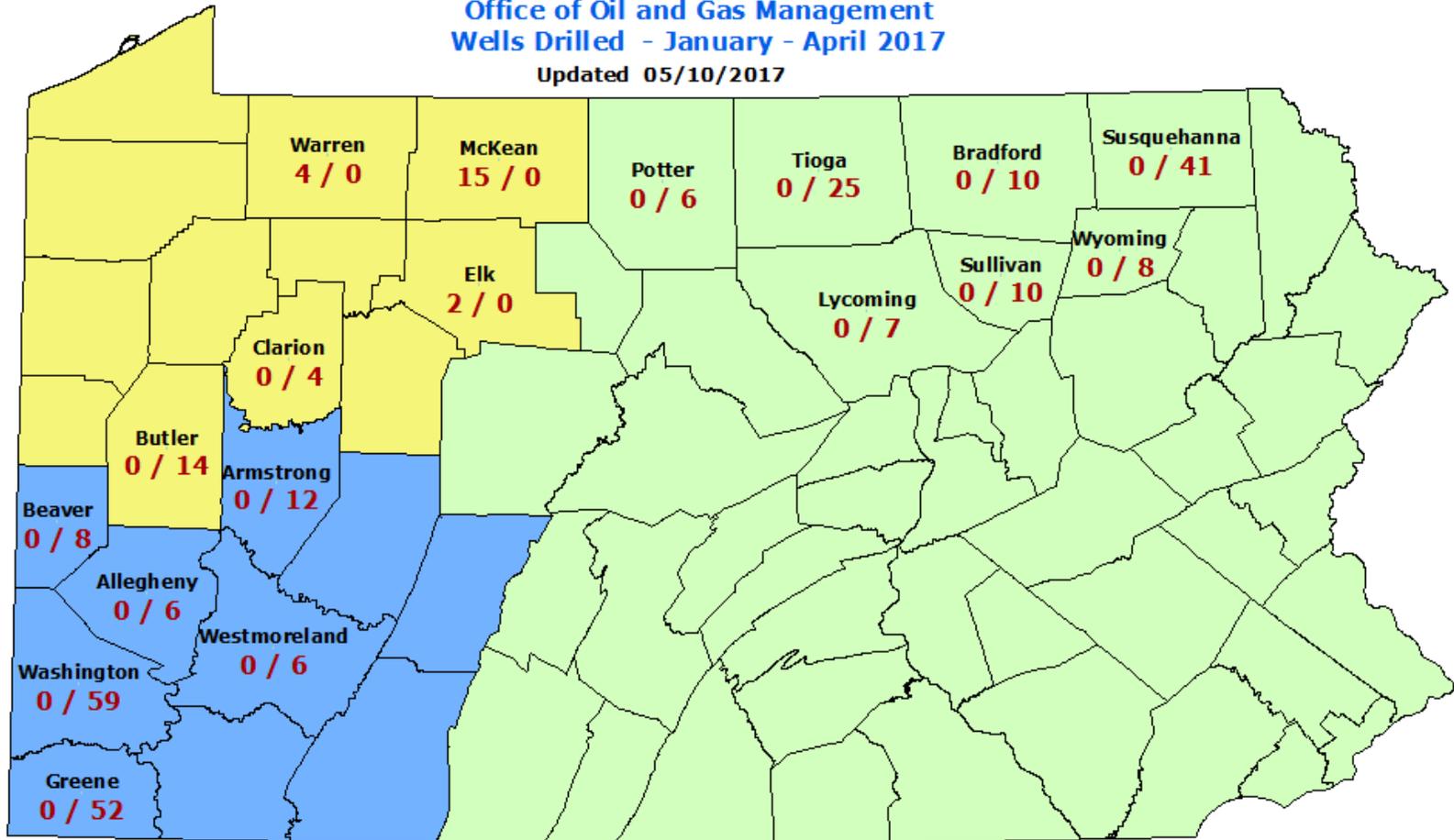


 Conventional Wells

 Unconventional Wells

Conventional - 78 + Unconventional - 445 = Total - 523

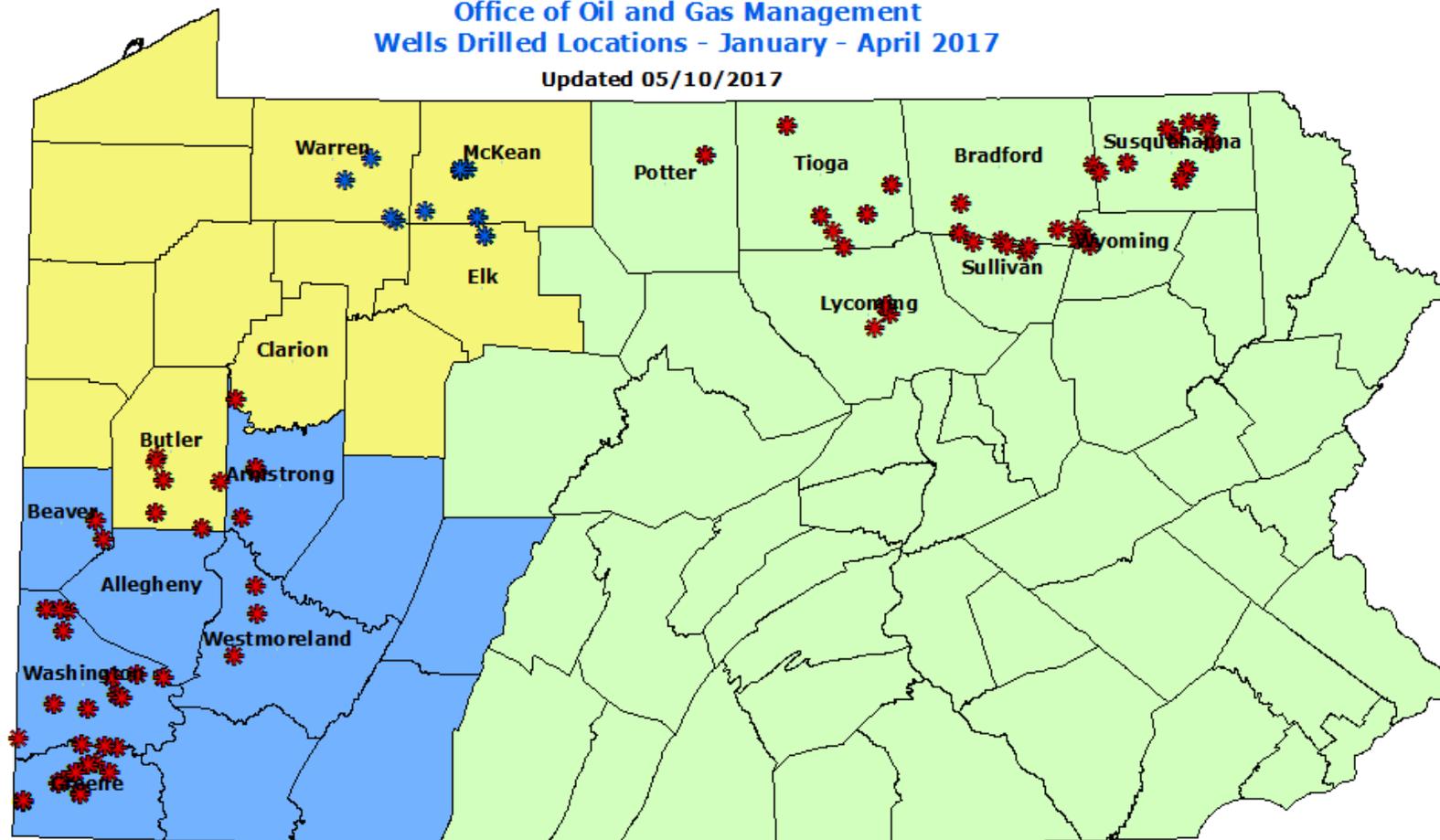
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - April 2017
Updated 05/10/2017



(Conventional) - 21 + (Unconventional) - 268 = Total - 289

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - April 2017

Updated 05/10/2017

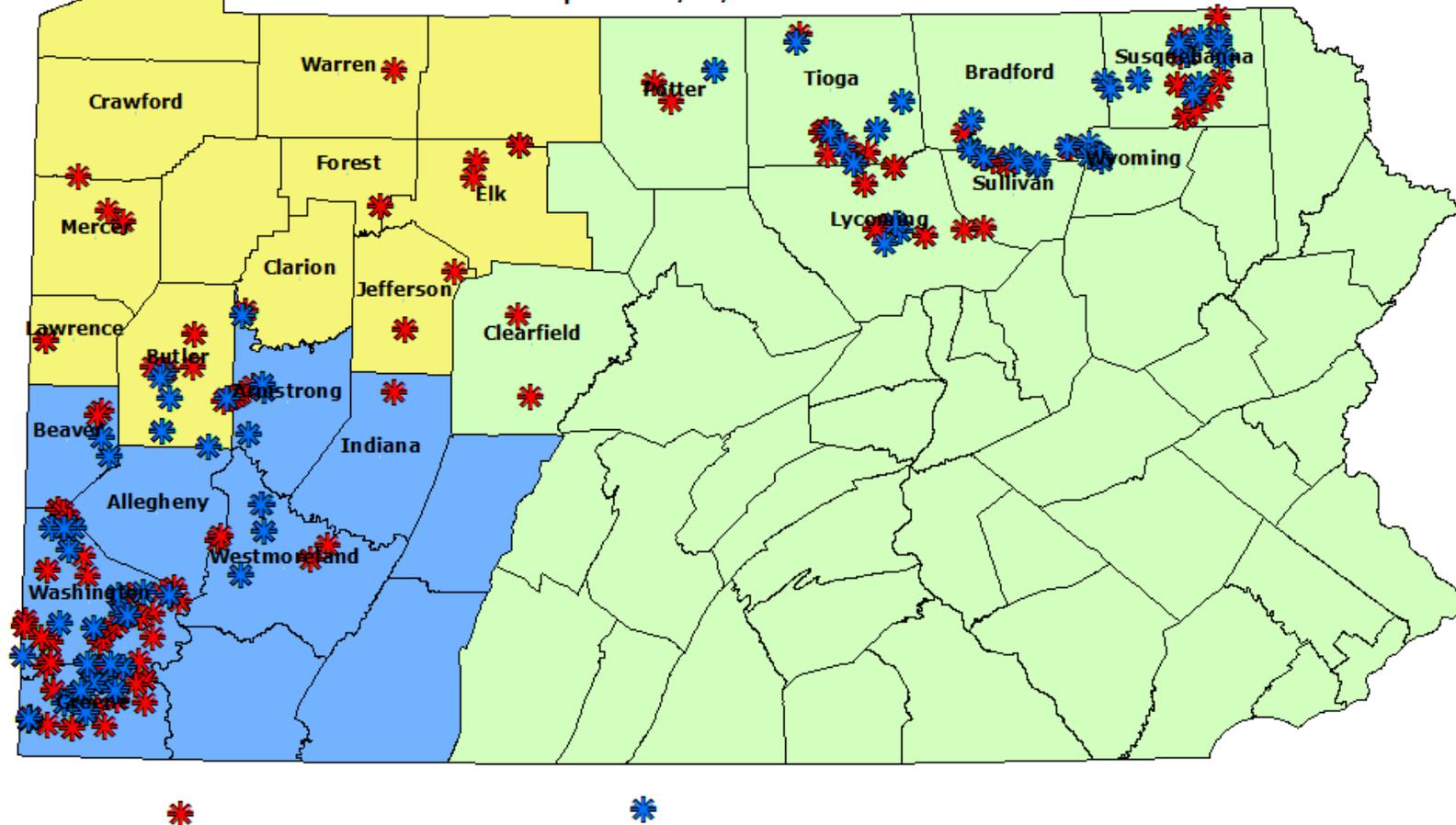


 Conventional Wells

 Unconventional Wells

(Conventional) - 21 + (Unconventional) - 268 = Total - 289

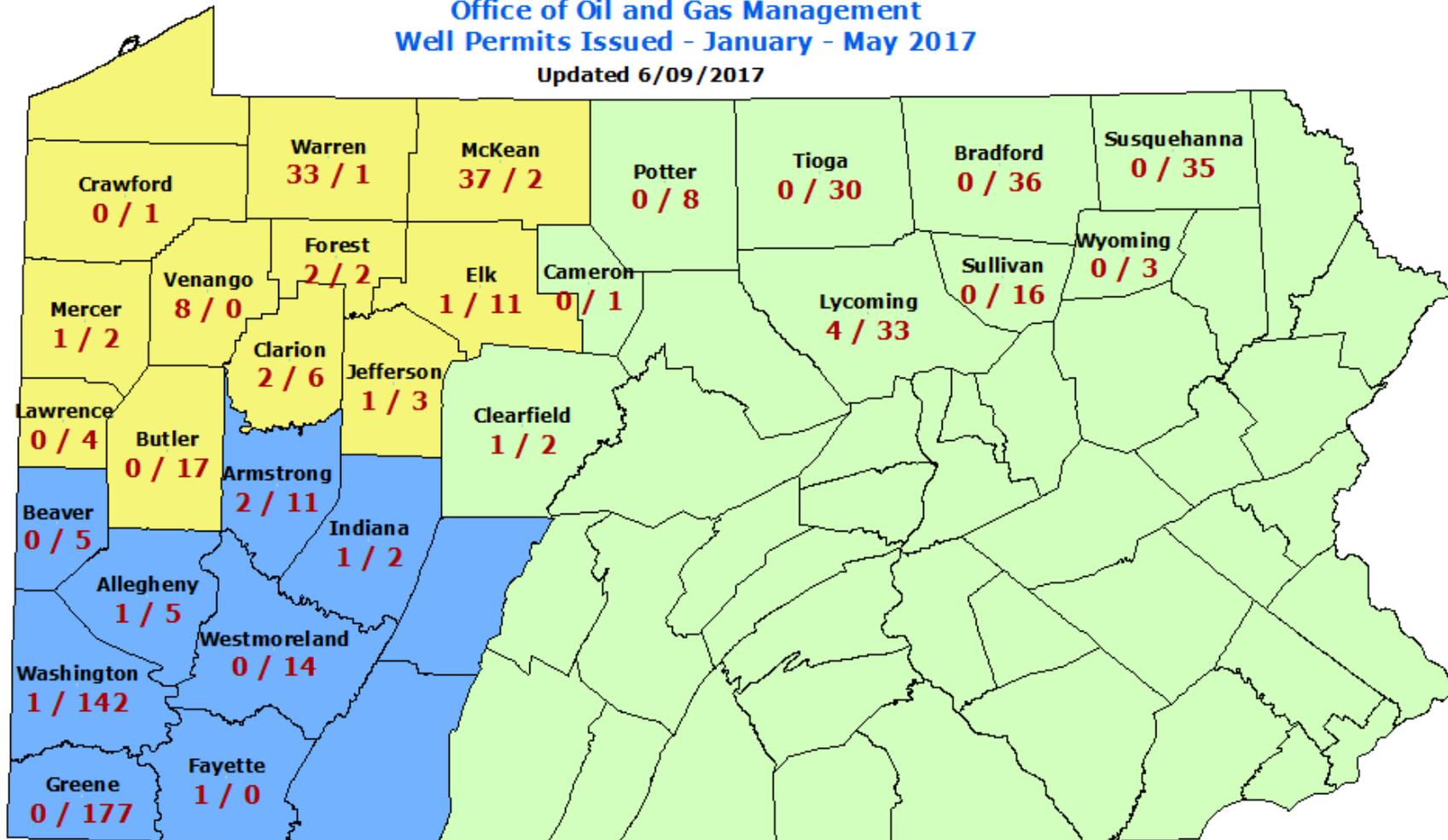
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January- April 2017
Updated 05/10/2017



Unconventional Permits Issued - 445 Unconventional Wells Drilled - 268

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - May 2017

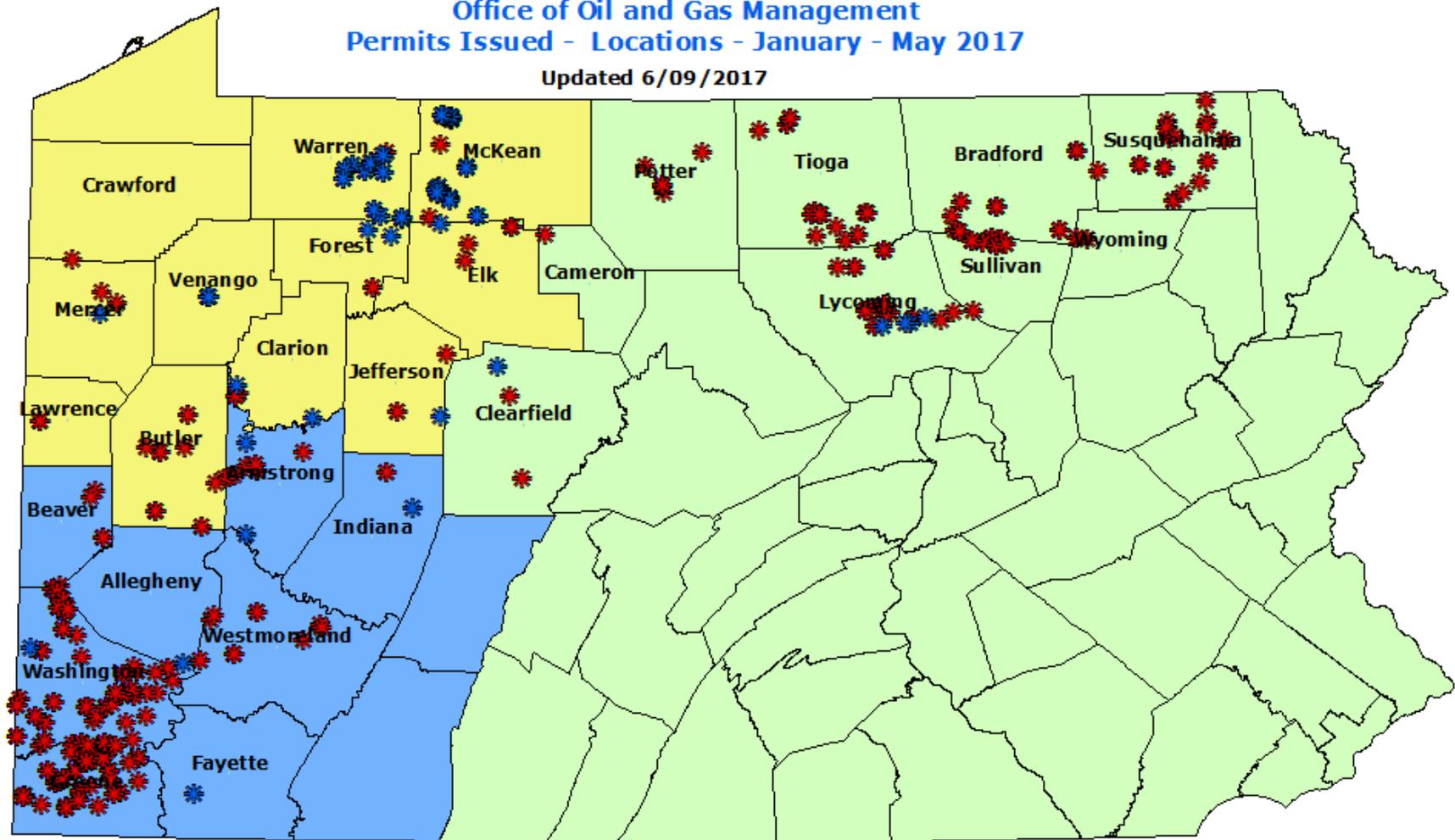
Updated 6/09/2017



Conventional - 96 + Unconventional - 569 = Total - 665

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - May 2017

Updated 6/09/2017

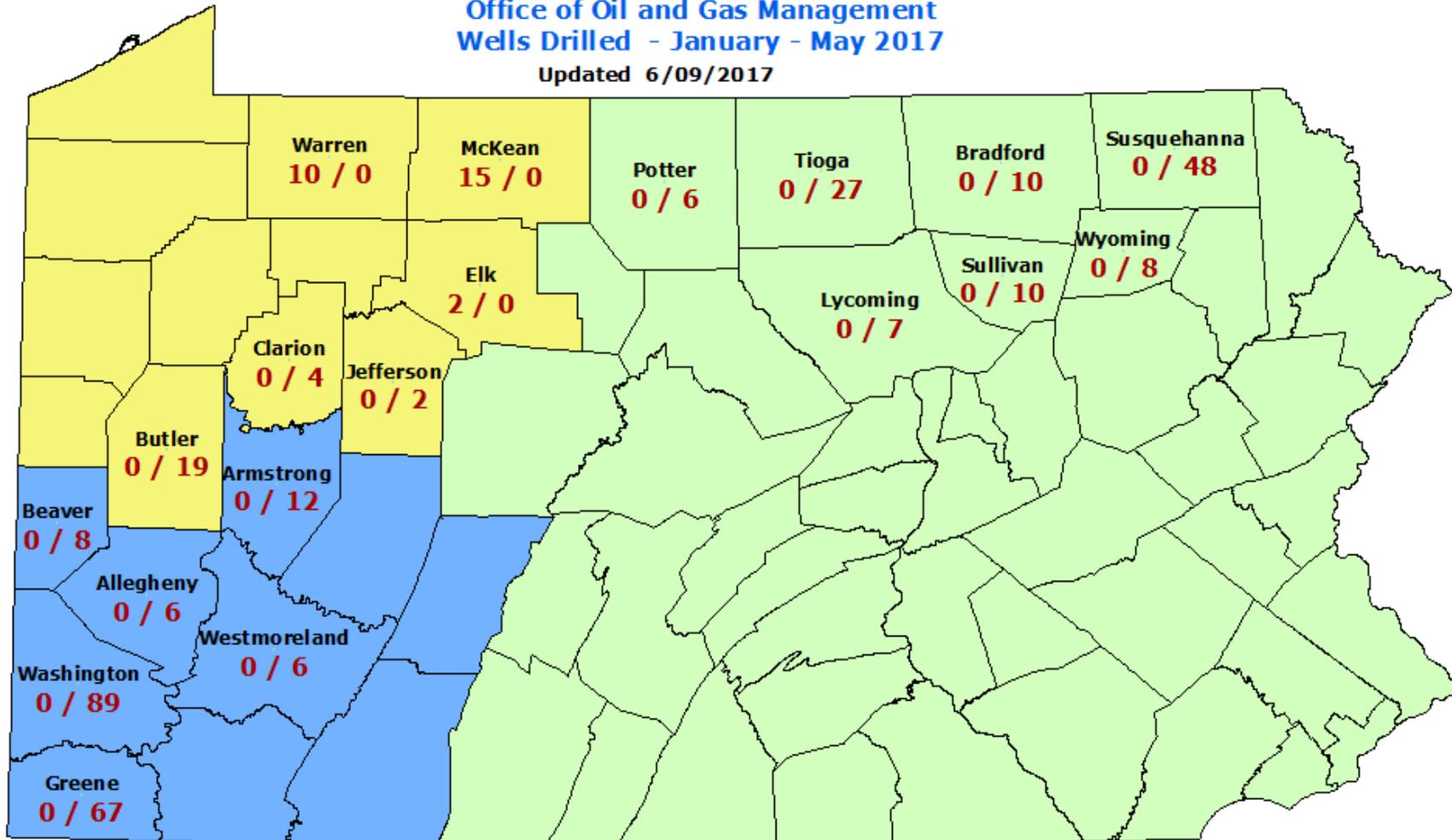


 Conventional Wells

 Unconventional Wells

Conventional - 96 + Unconventional - 569 = Total - 665

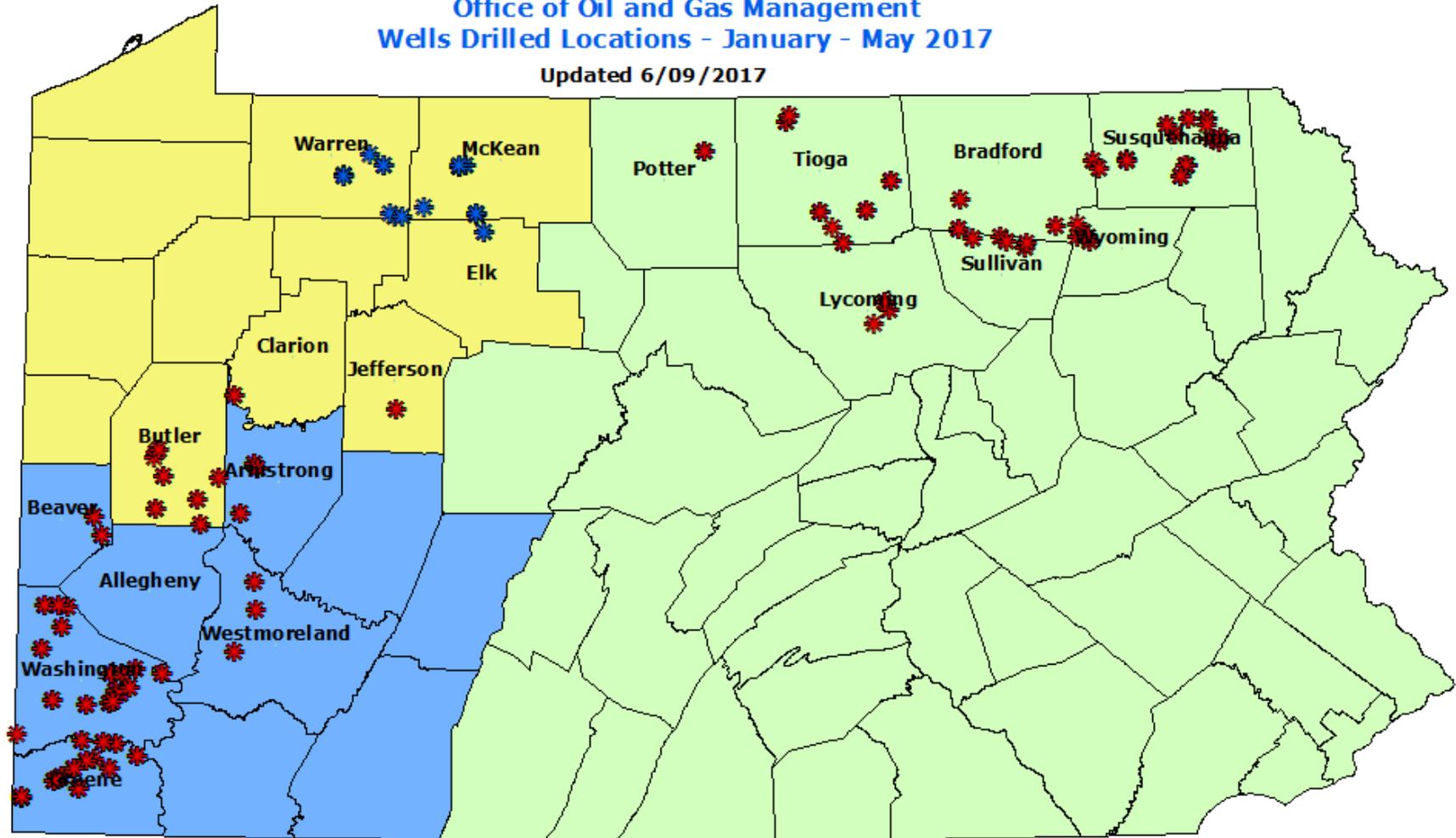
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - May 2017
Updated 6/09/2017



(Conventional) - 27 + (Unconventional) - 329 = Total - 356

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - May 2017

Updated 6/09/2017

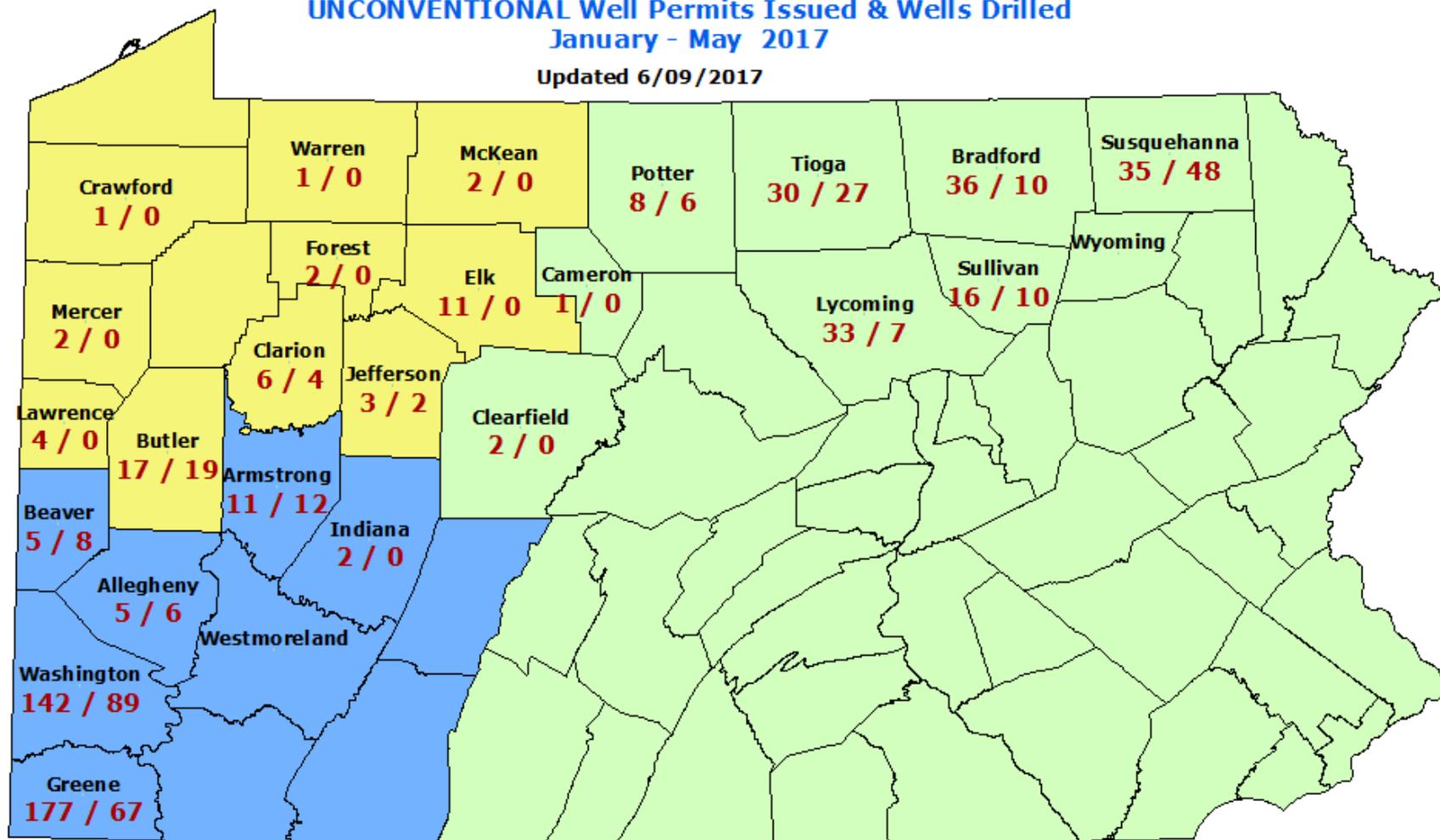


 Conventional Wells

 Unconventional Wells

(Conventional) - 27 + (Unconventional) - 329 = Total - 356

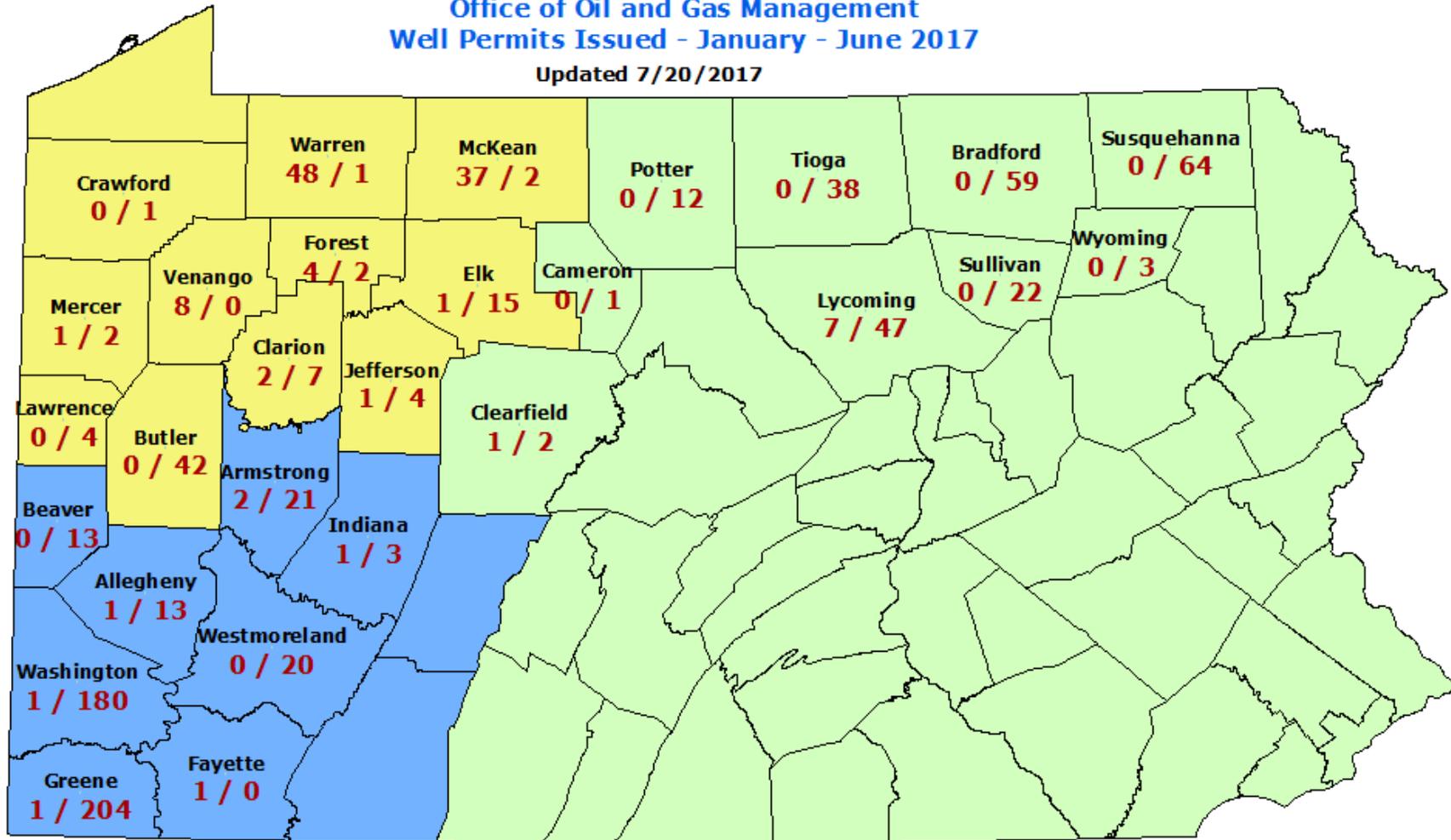
Department of Environmental Protection
 Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
 January - May 2017
 Updated 6/09/2017



Unconventional Permits Issued - 569 Unconventional Wells Drilled - 329

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - June 2017

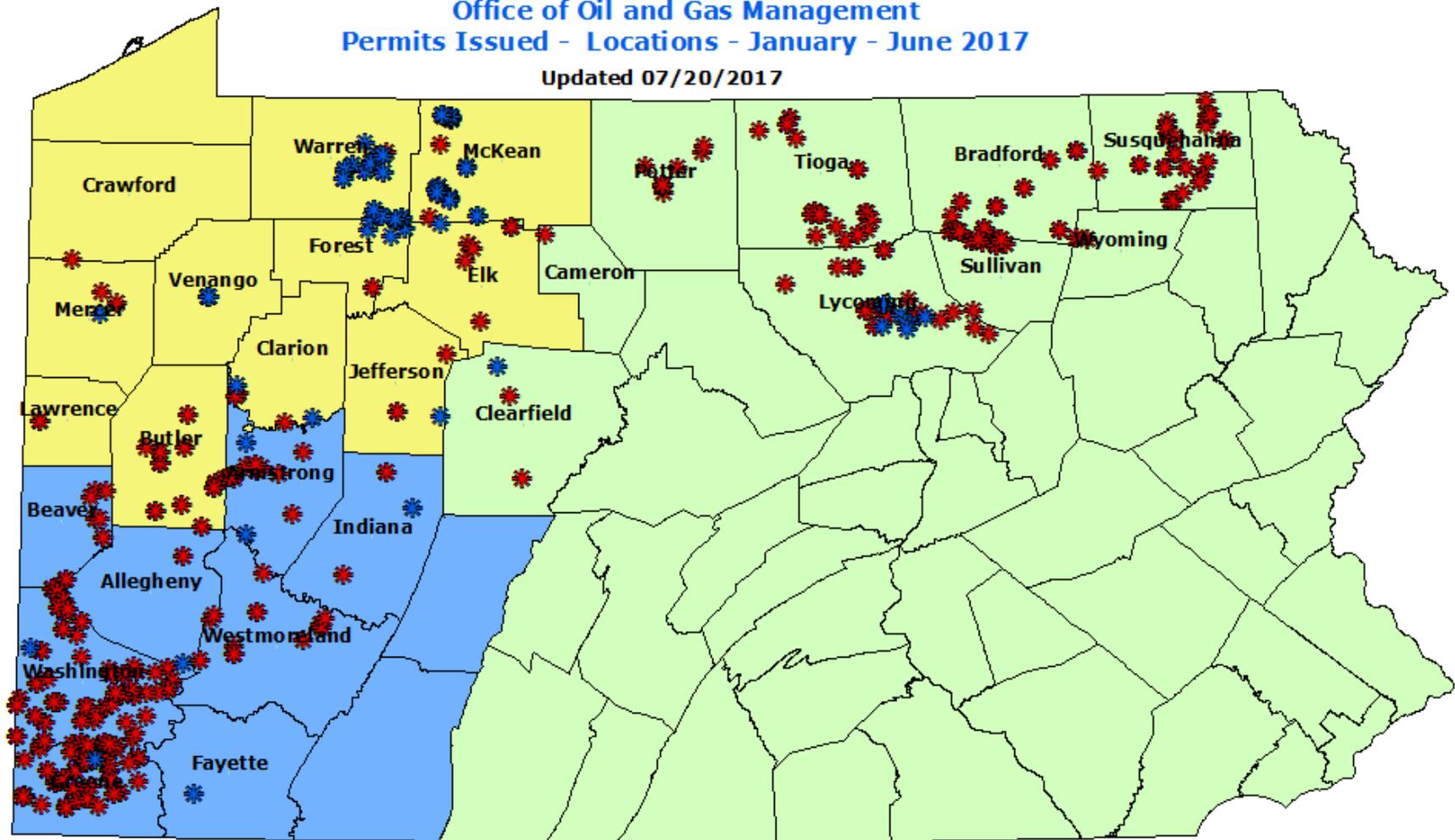
Updated 7/20/2017



Conventional - 117 + Unconventional - 782 = Total - 899

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - June 2017

Updated 07/20/2017

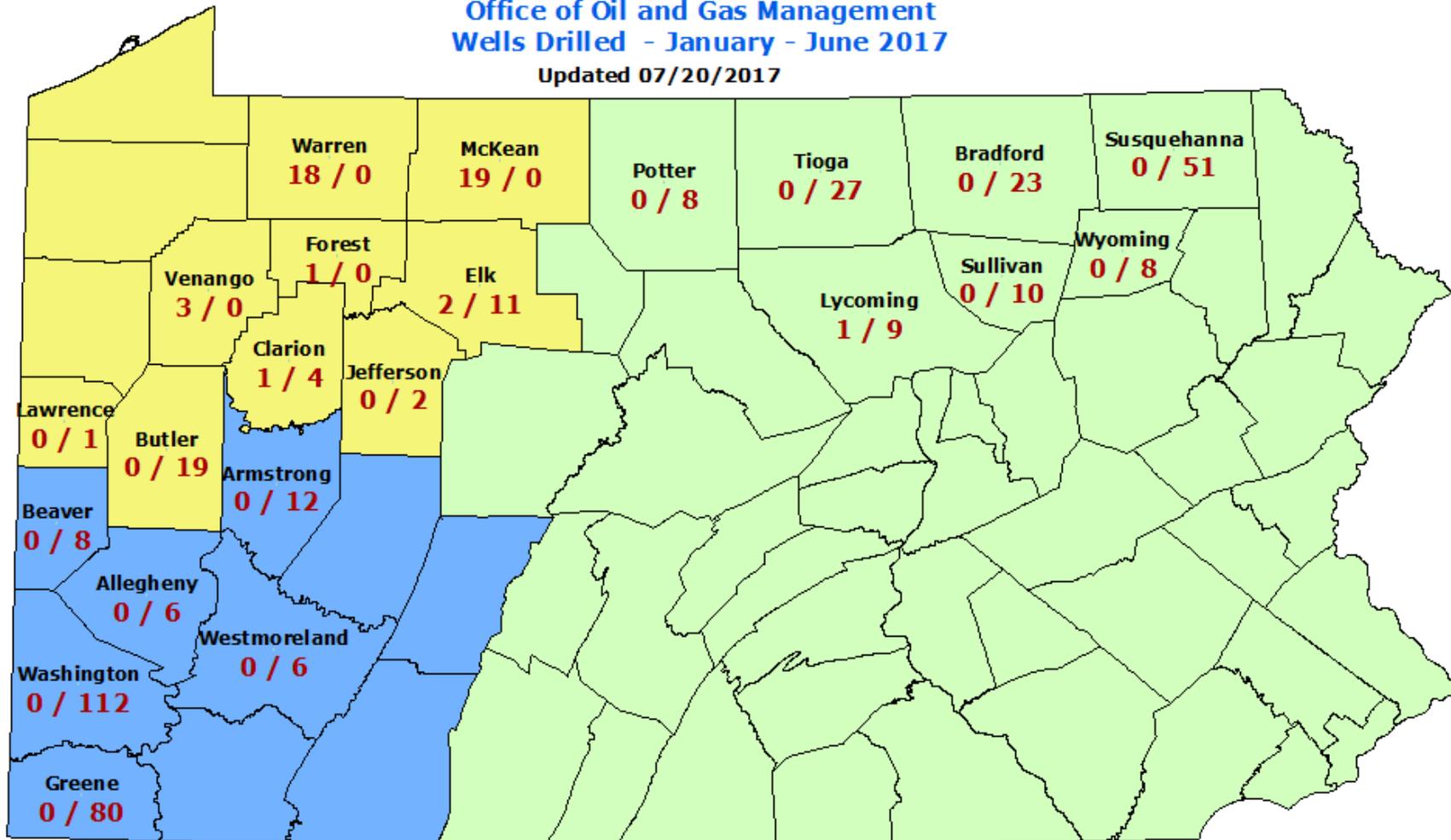


 Conventional Wells

 Unconventional Wells

Conventional - 117 + Unconventional - 782 = Total - 899

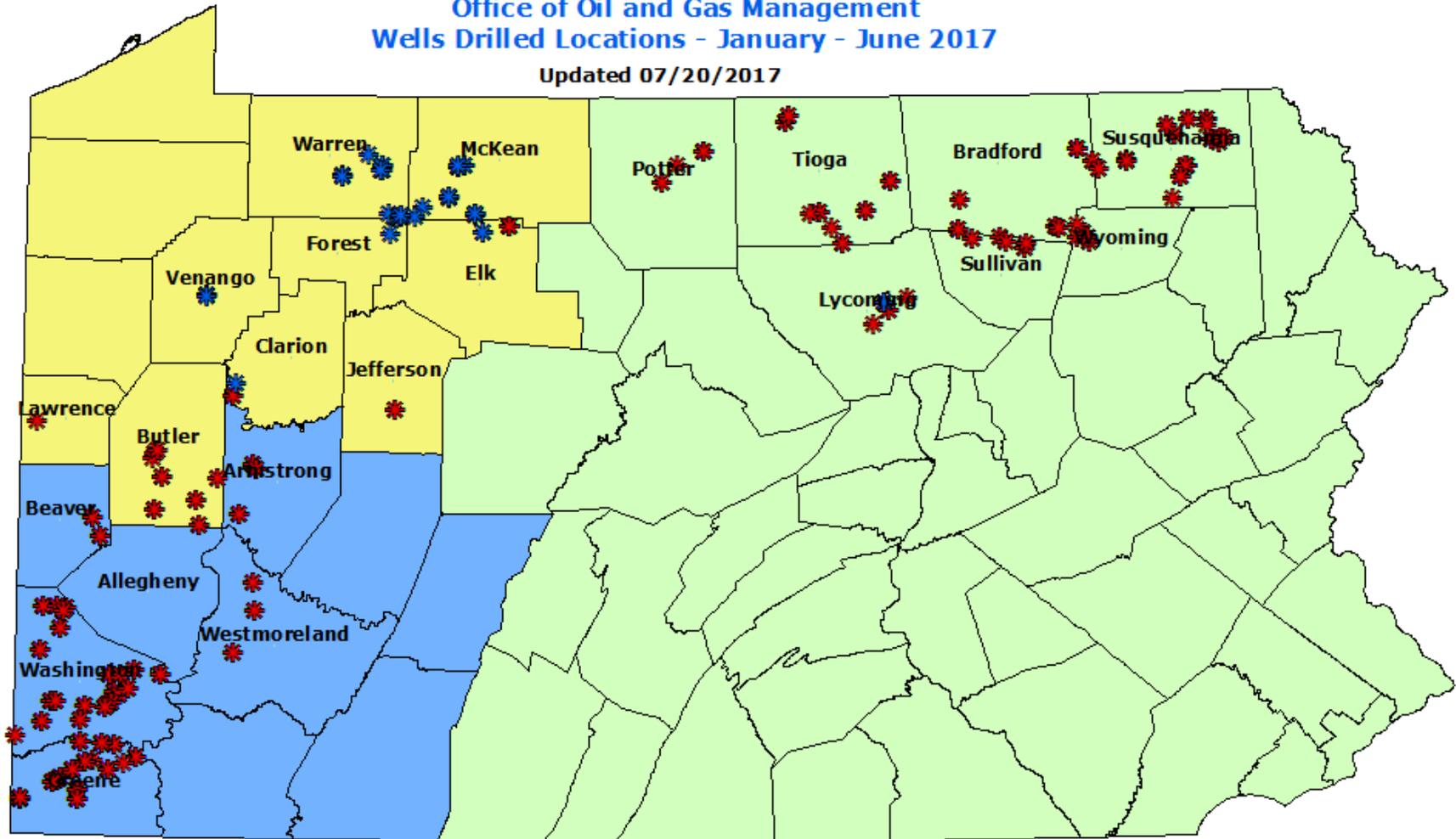
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - June 2017
Updated 07/20/2017



(Conventional) - 45 + (Unconventional) - 397 = Total - 442

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - June 2017

Updated 07/20/2017

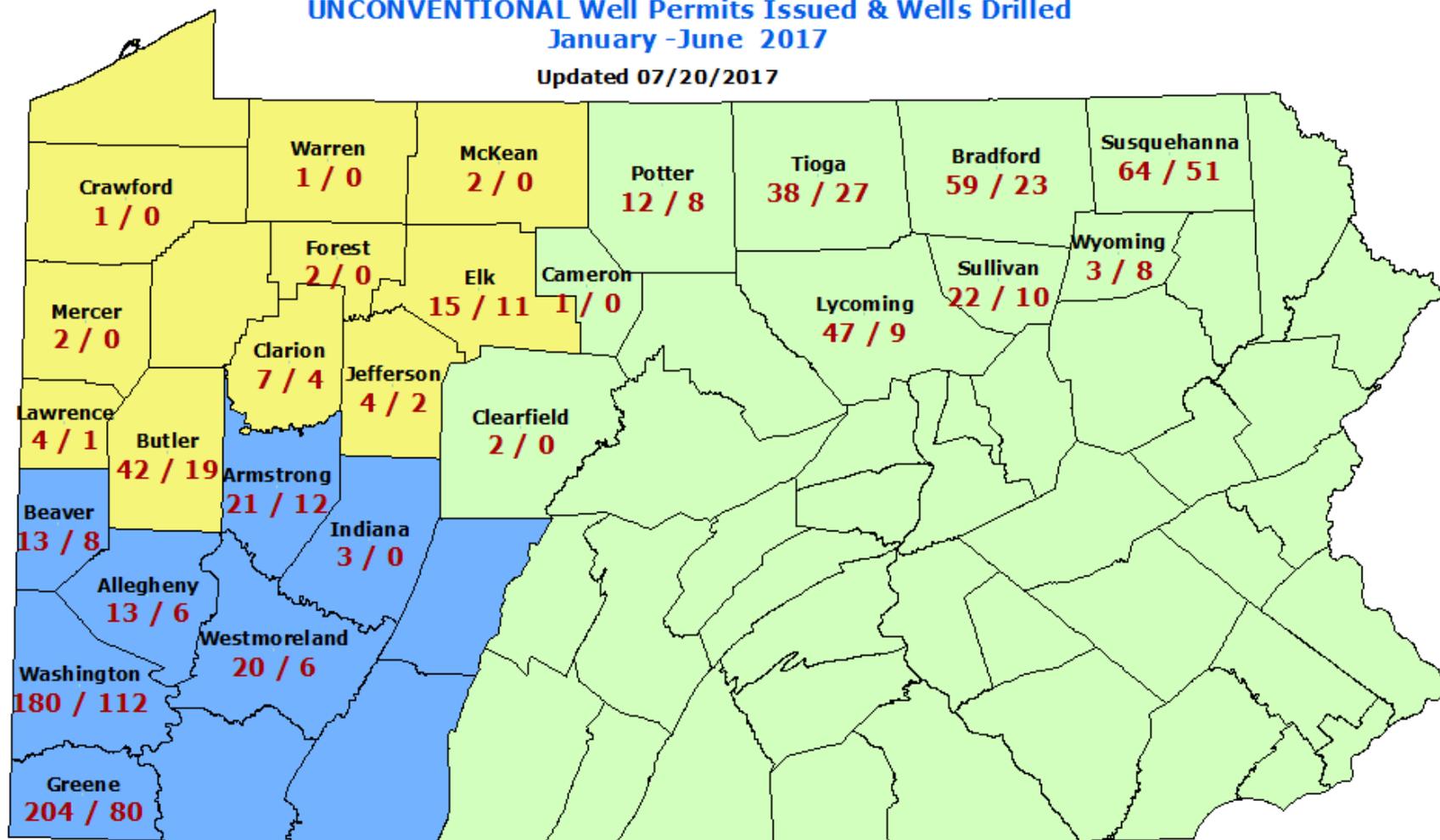


 Conventional Wells

 Unconventional Wells

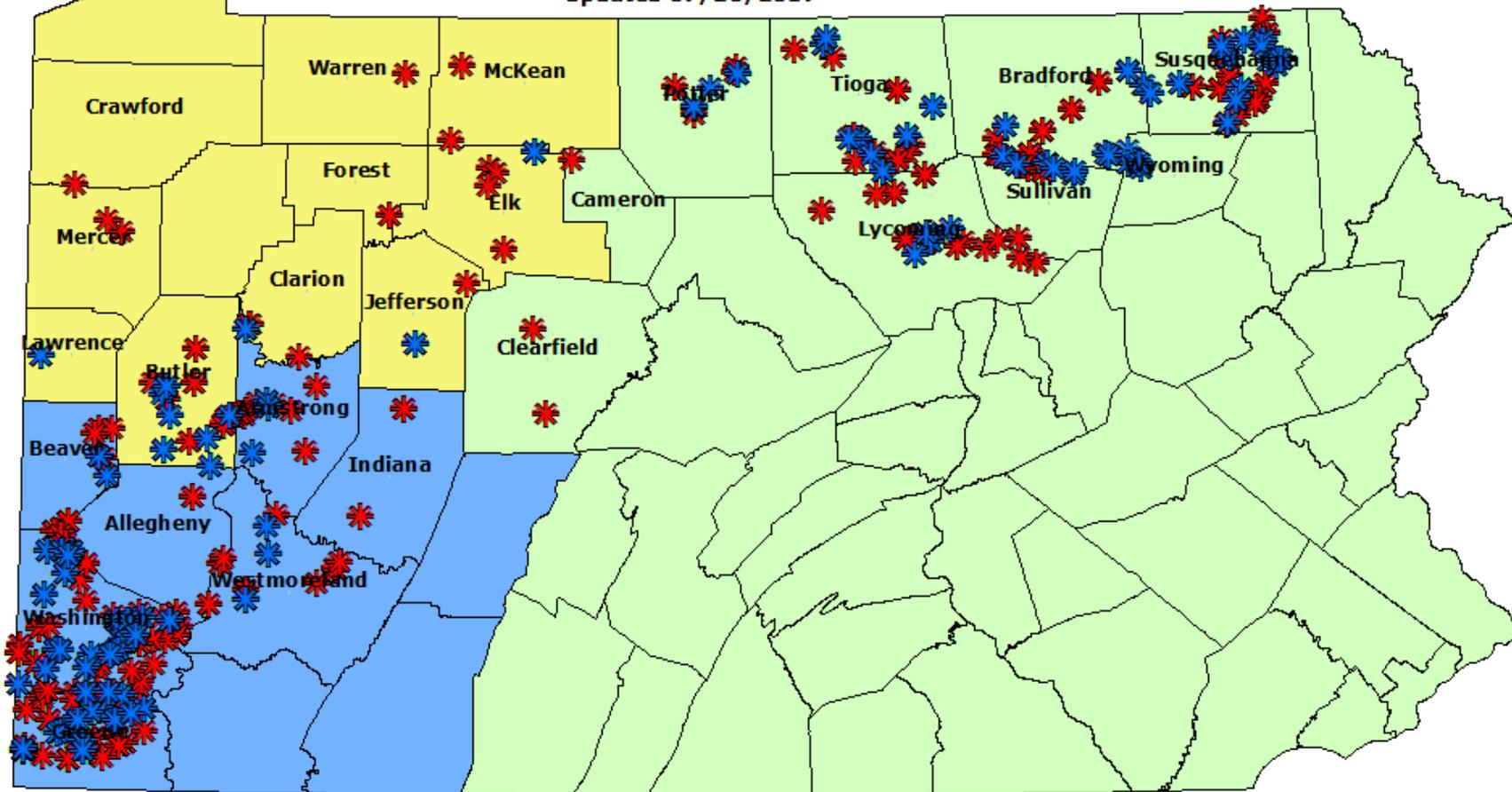
(Conventional) - 45 + (Unconventional) - 397 = Total - 442

Department of Environmental Protection
 Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
 January - June 2017
 Updated 07/20/2017



Unconventional Permits Issued - 782 Unconventional Wells Drilled - 397

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - June 2017
Updated 07/20/2017



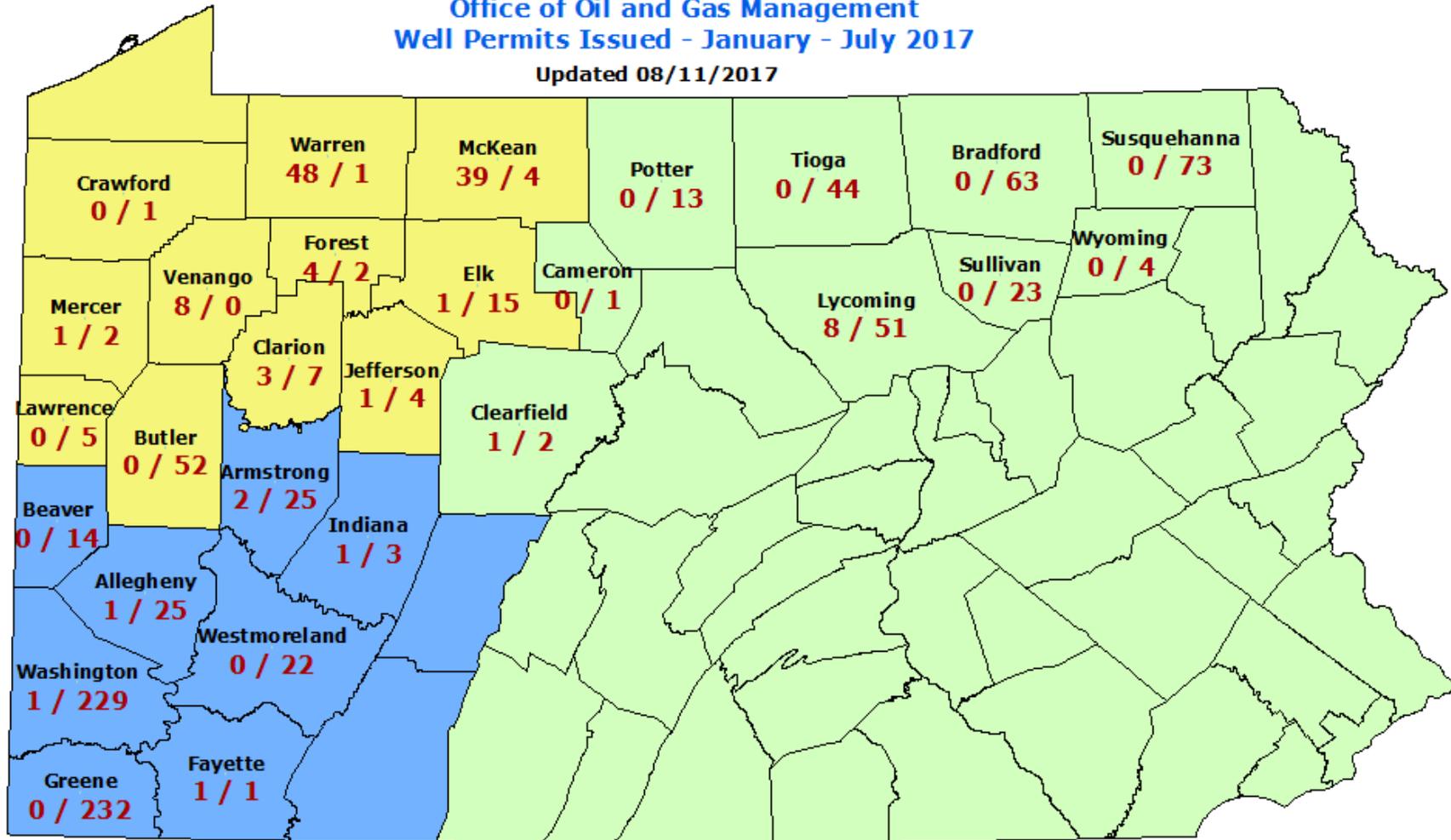
Unconventional Permits Issued - 782



Unconventional Wells Drilled - 397

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - July 2017

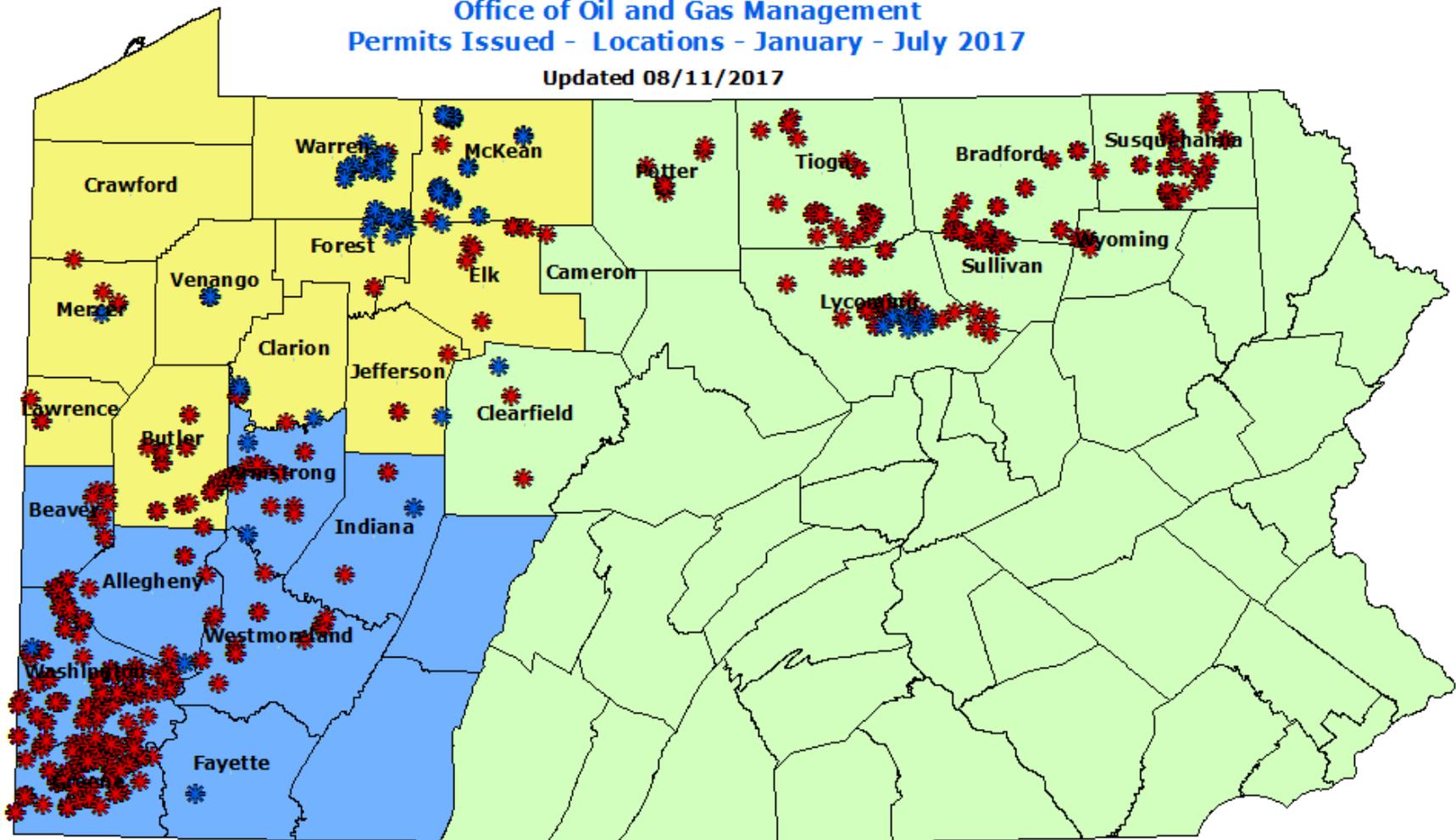
Updated 08/11/2017



Conventional - 120 + Unconventional - 918 = Total - 1038

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - July 2017

Updated 08/11/2017

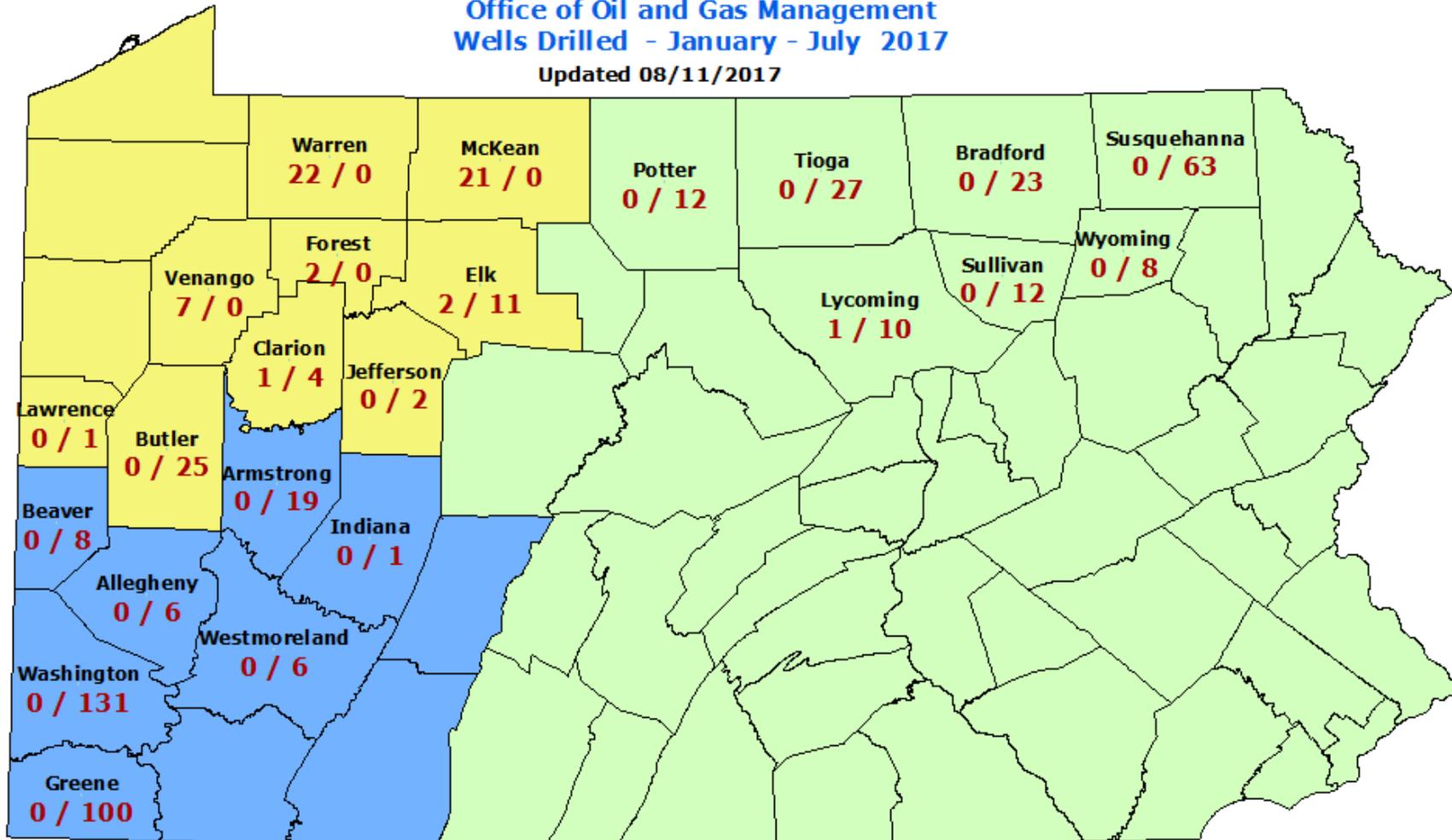


 Conventional Wells

 Unconventional Wells

Conventional - 120 + Unconventional - 918 = Total - 1038

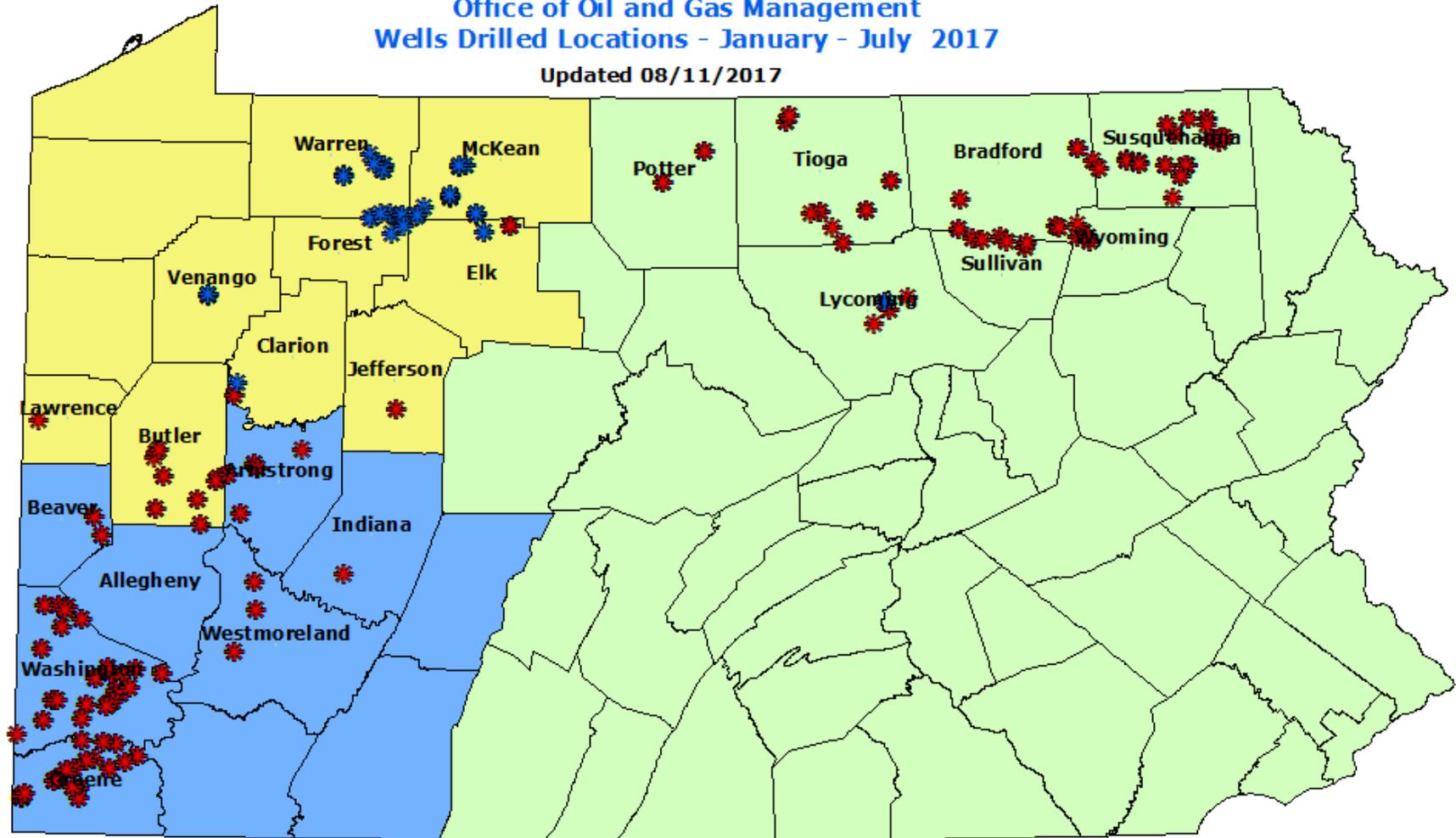
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - July 2017
Updated 08/11/2017



(Conventional) - 56 + (Unconventional) - 469 = Total - 525

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - July 2017

Updated 08/11/2017

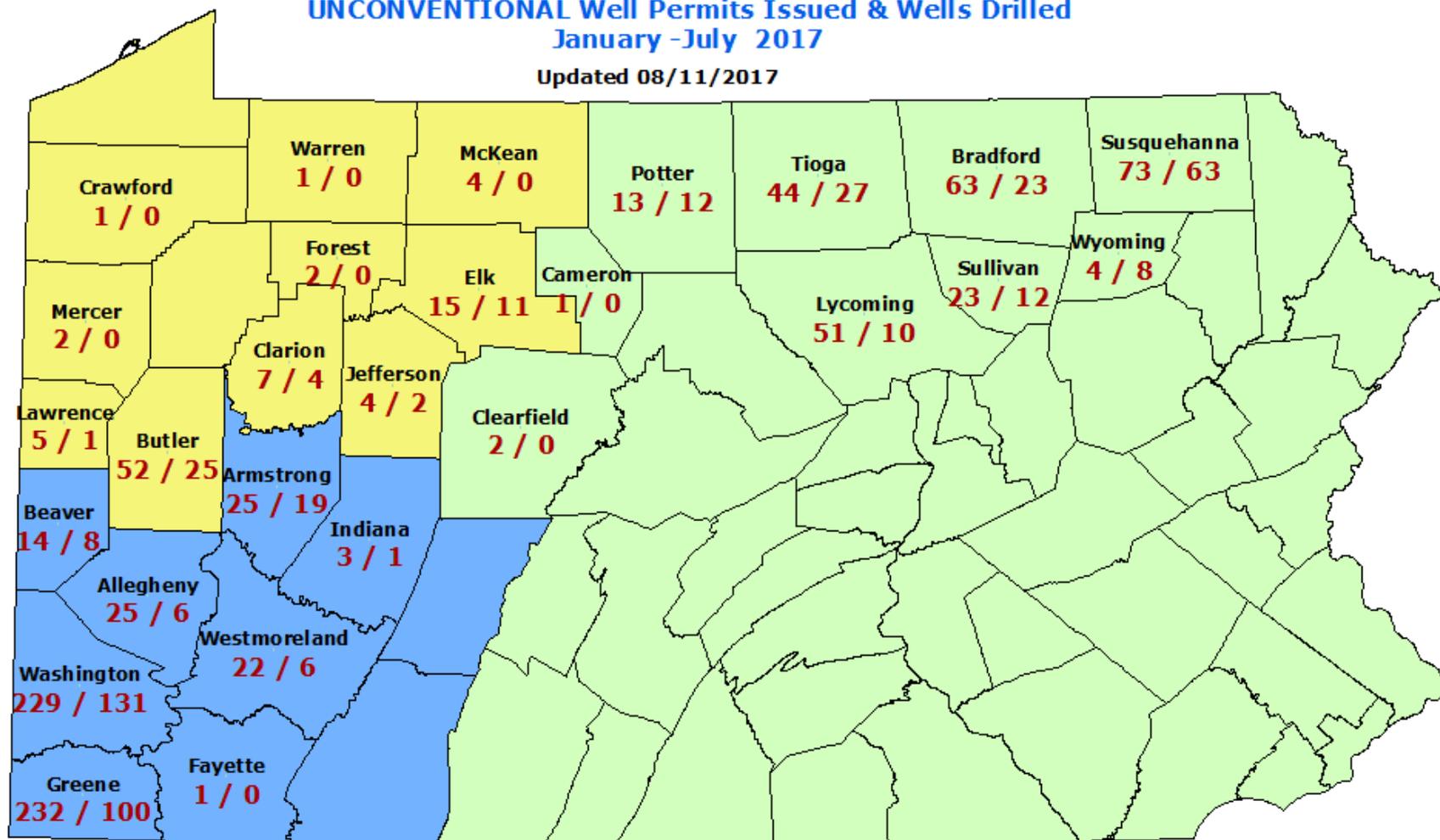


* Conventional Wells

* Unconventional Wells

(Conventional) - 56 + (Unconventional) - 469 = Total - 525

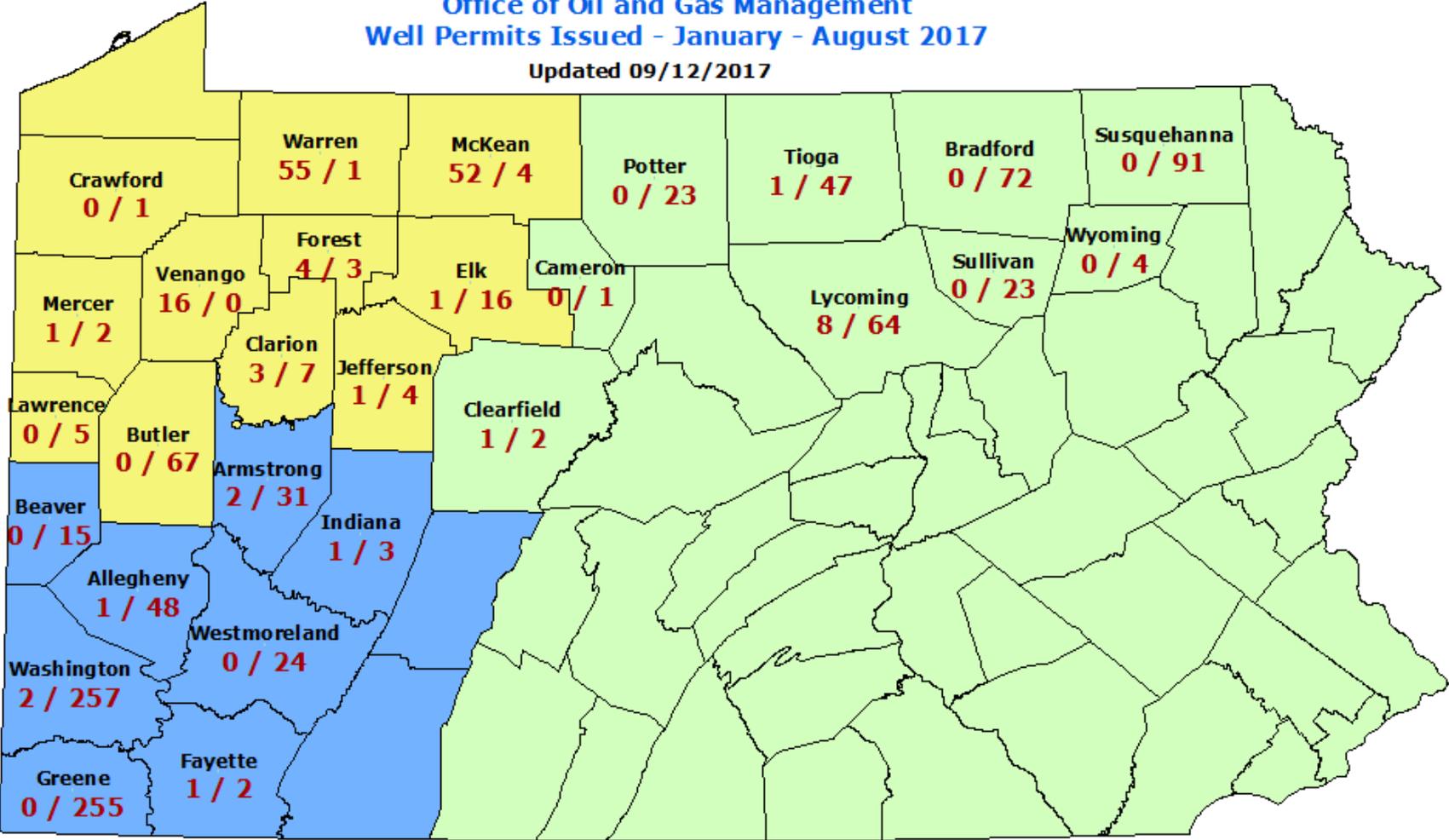
Department of Environmental Protection
 Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
 January - July 2017
 Updated 08/11/2017



Unconventional Permits Issued - 918 Unconventional Wells Drilled - 469

Department of Environmental Protection
 Office of Oil and Gas Management
 Well Permits Issued - January - August 2017

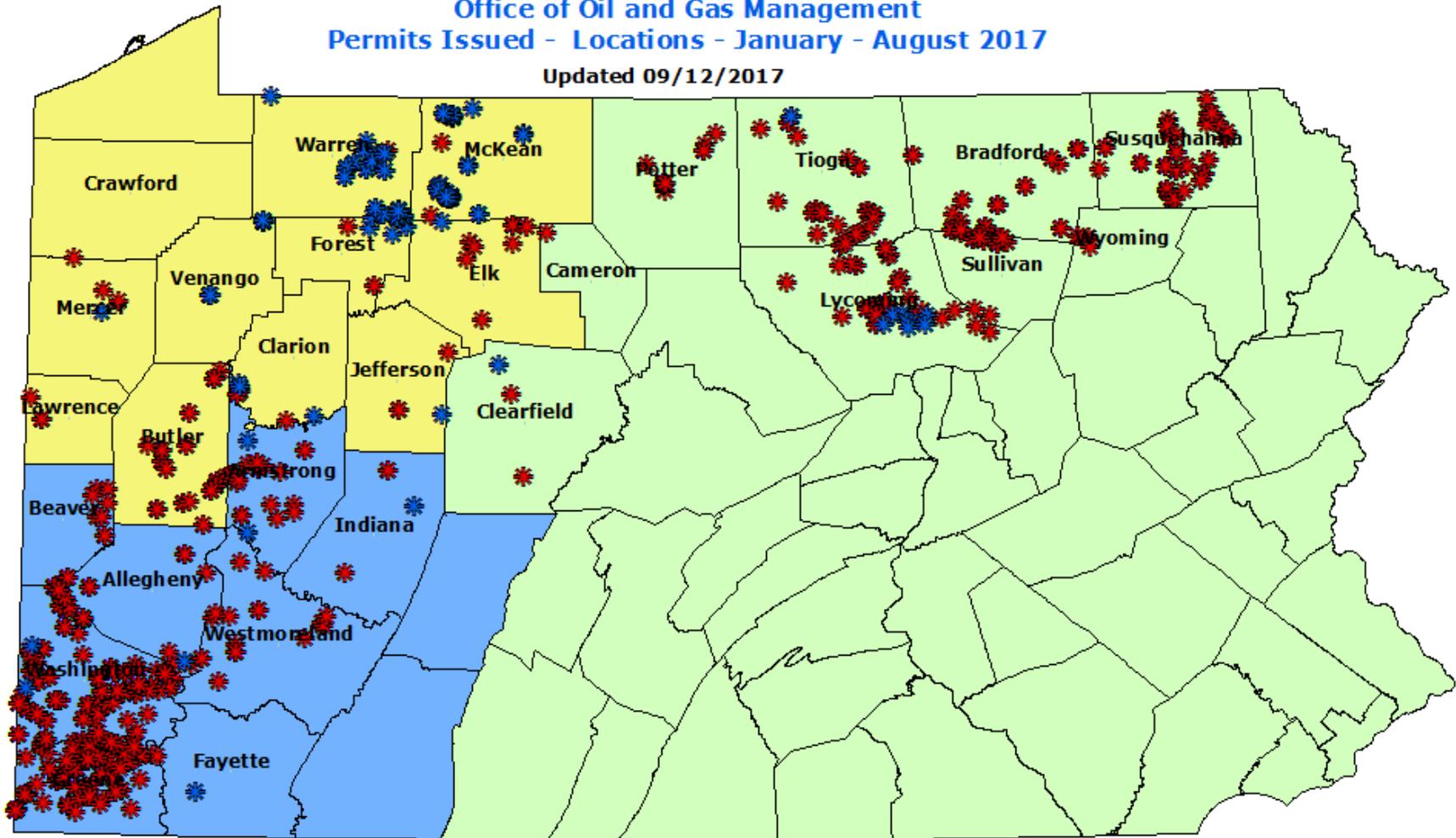
Updated 09/12/2017



Conventional - 150 + Unconventional - 1072 = Total - 1222

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - August 2017

Updated 09/12/2017

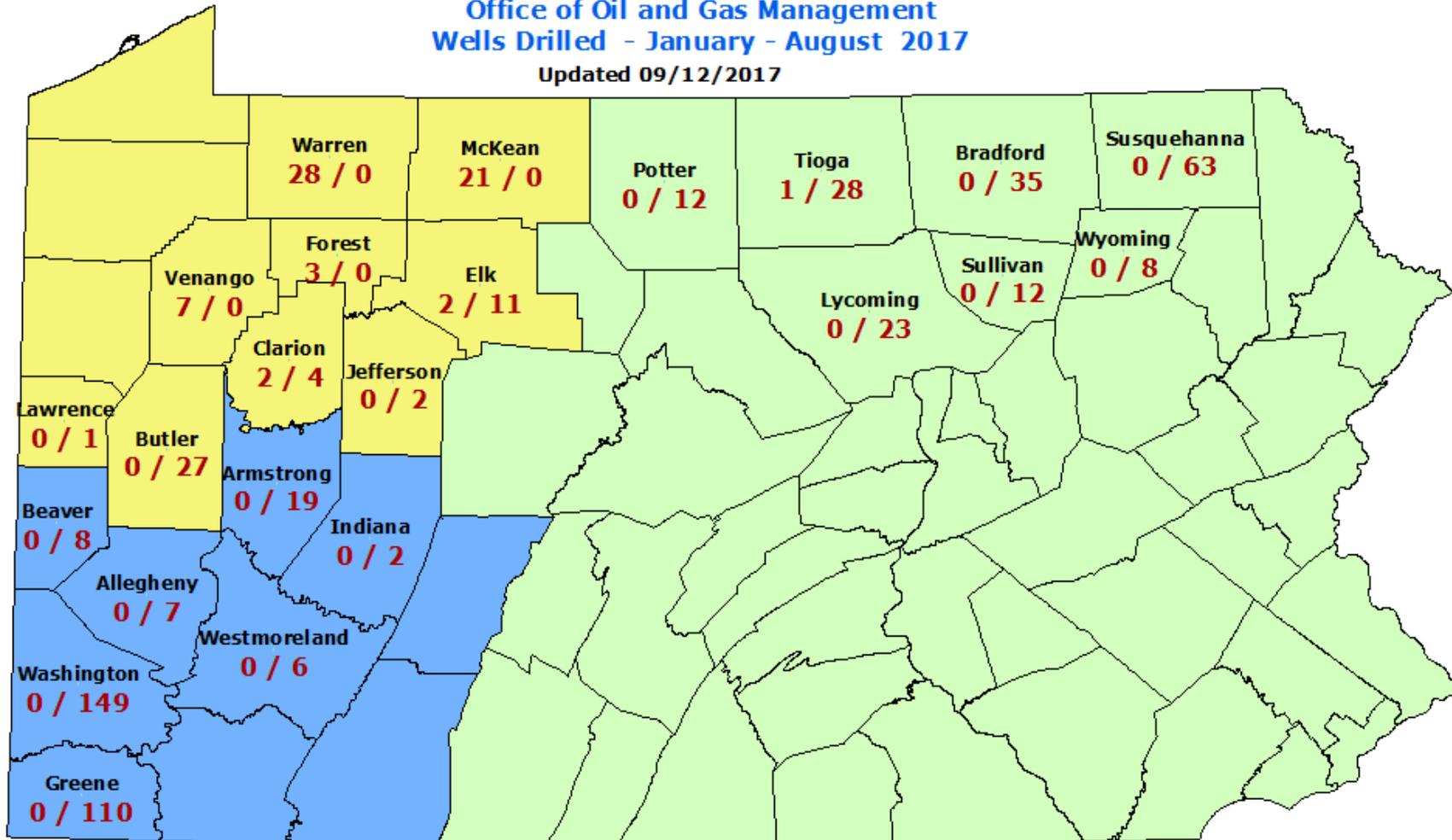


 Conventional Wells

 Unconventional Wells

Conventional - 150 + Unconventional - 1072 = Total - 1222

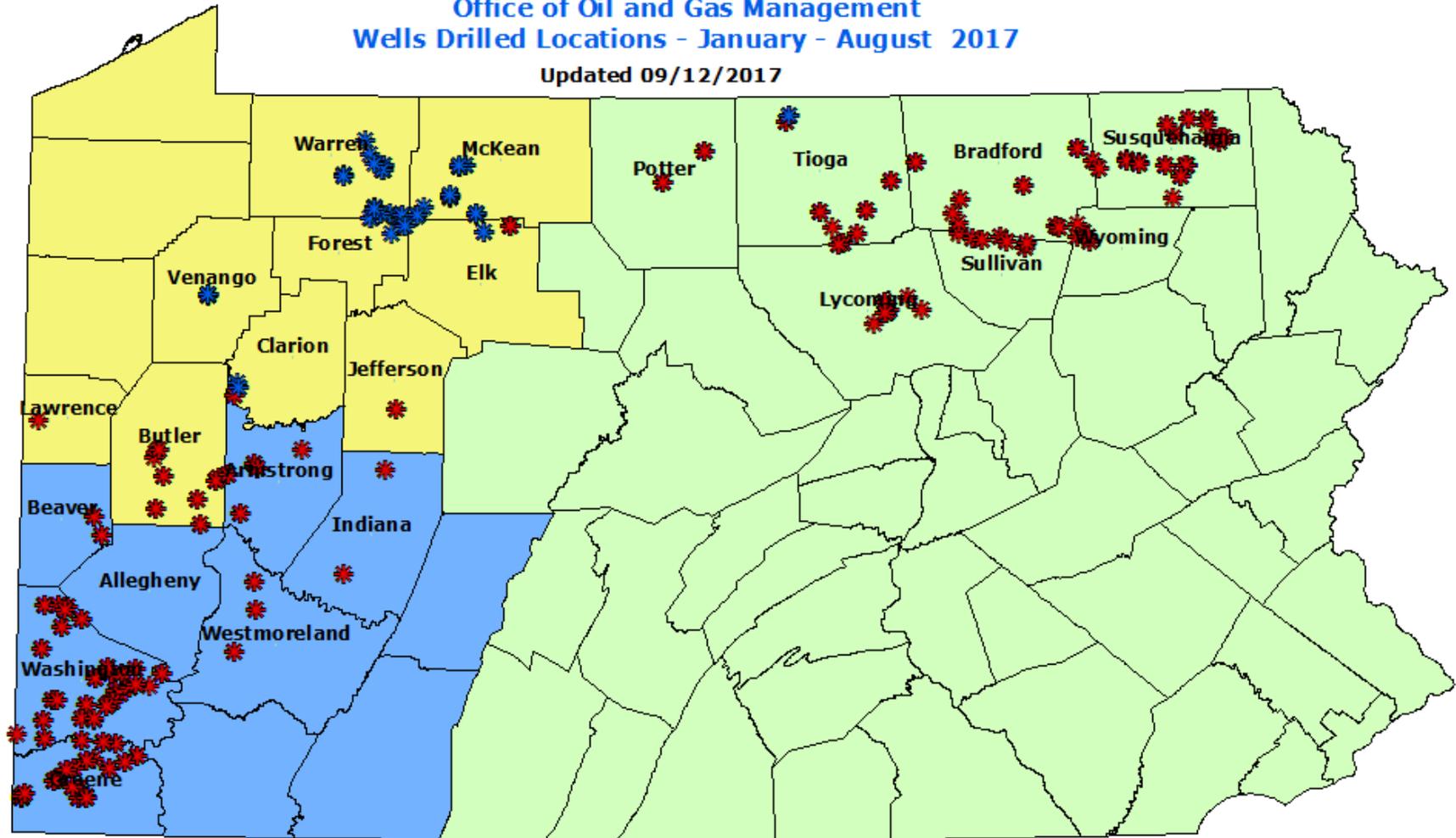
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - August 2017
Updated 09/12/2017



(Conventional) - 64 + (Unconventional) - 527 = Total - 591

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - August 2017

Updated 09/12/2017

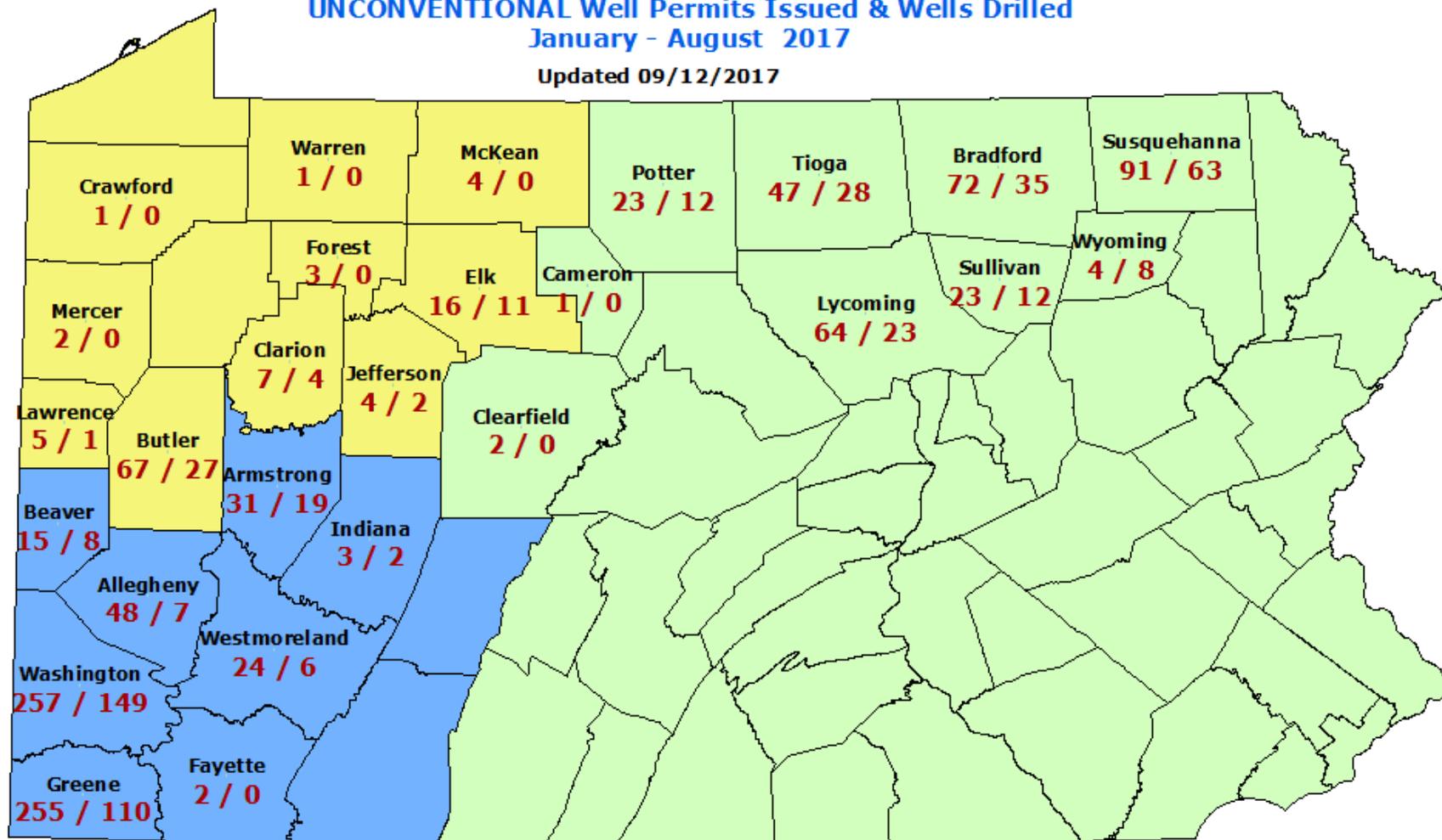


 Conventional Wells

 Unconventional Wells

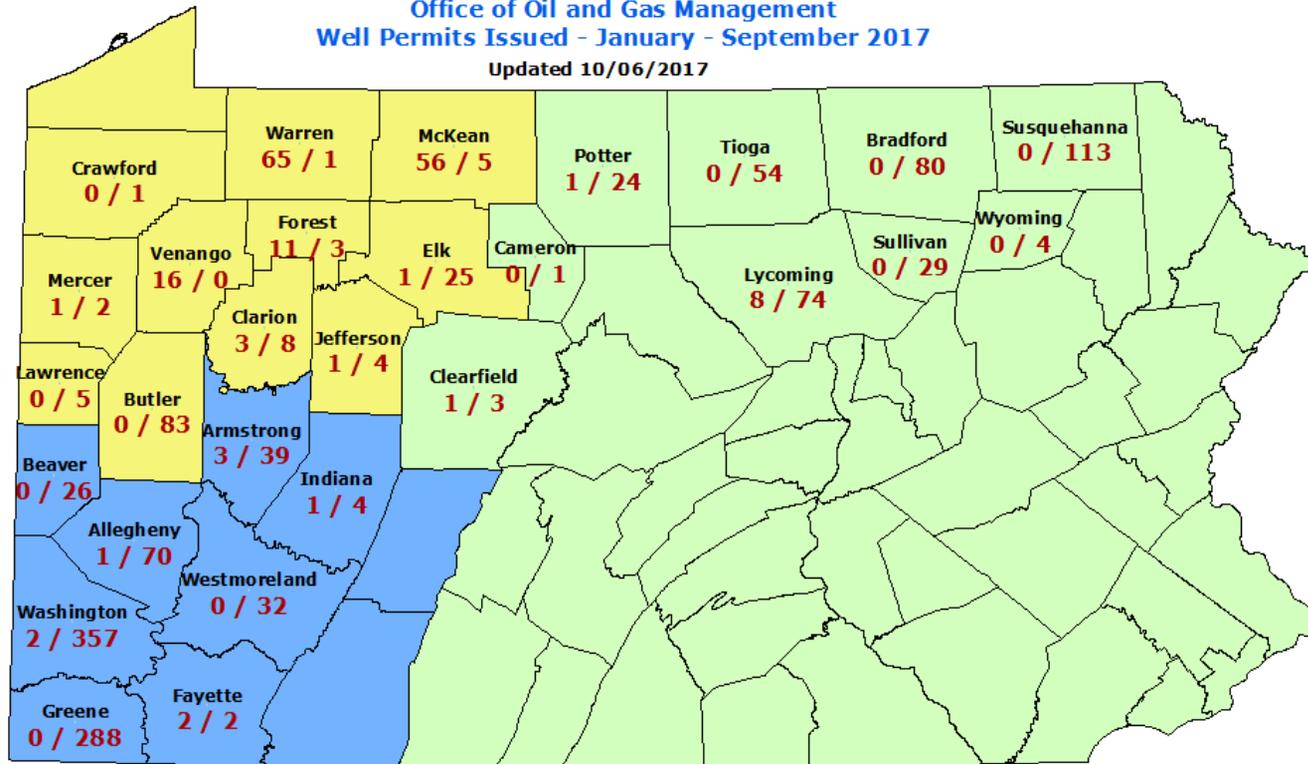
(Conventional) - 64 + (Unconventional) - 527 = Total - 591

Department of Environmental Protection
 Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
 January - August 2017
 Updated 09/12/2017



Unconventional Permits Issued - 1072 Unconventional Wells Drilled - 527

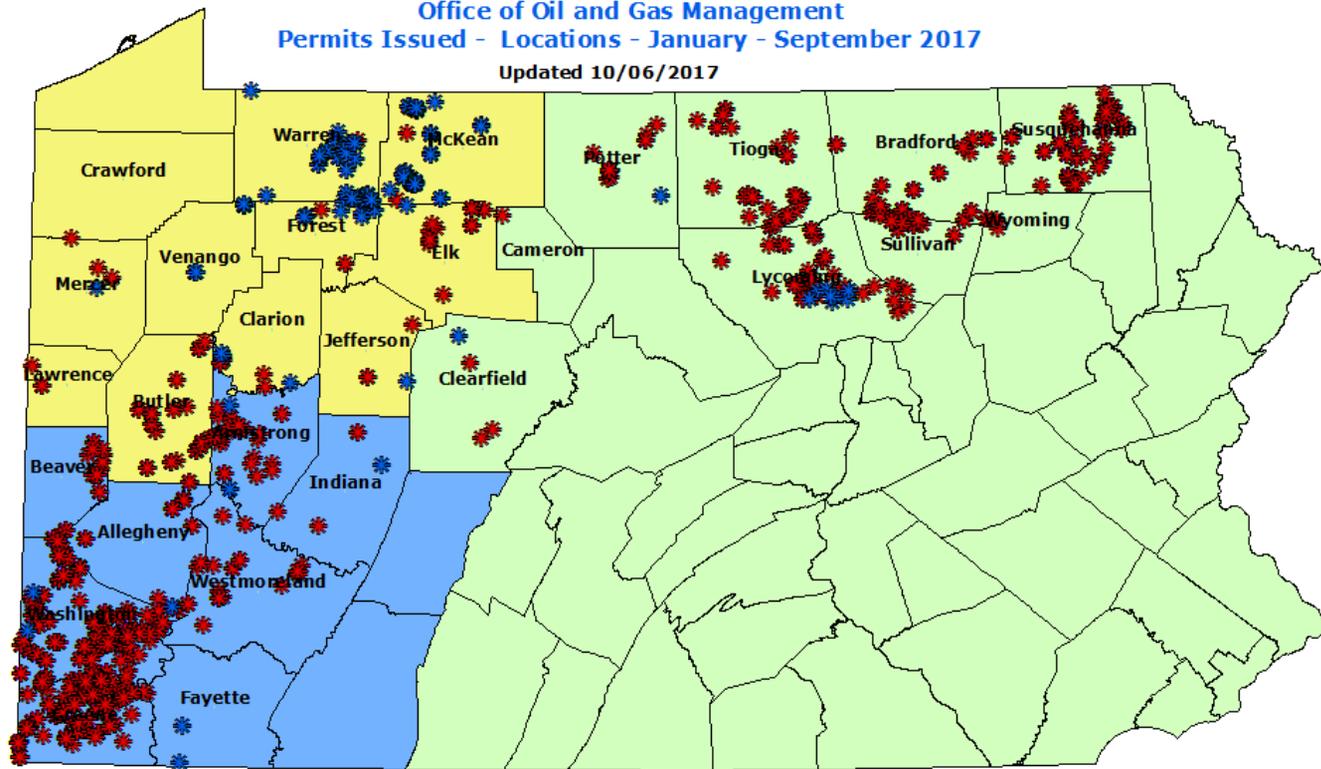
Department of Environmental Protection
 Office of Oil and Gas Management
 Well Permits Issued - January - September 2017
 Updated 10/06/2017



Conventional - 173 + Unconventional - 1337 = Total - 1510

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - September 2017

Updated 10/06/2017



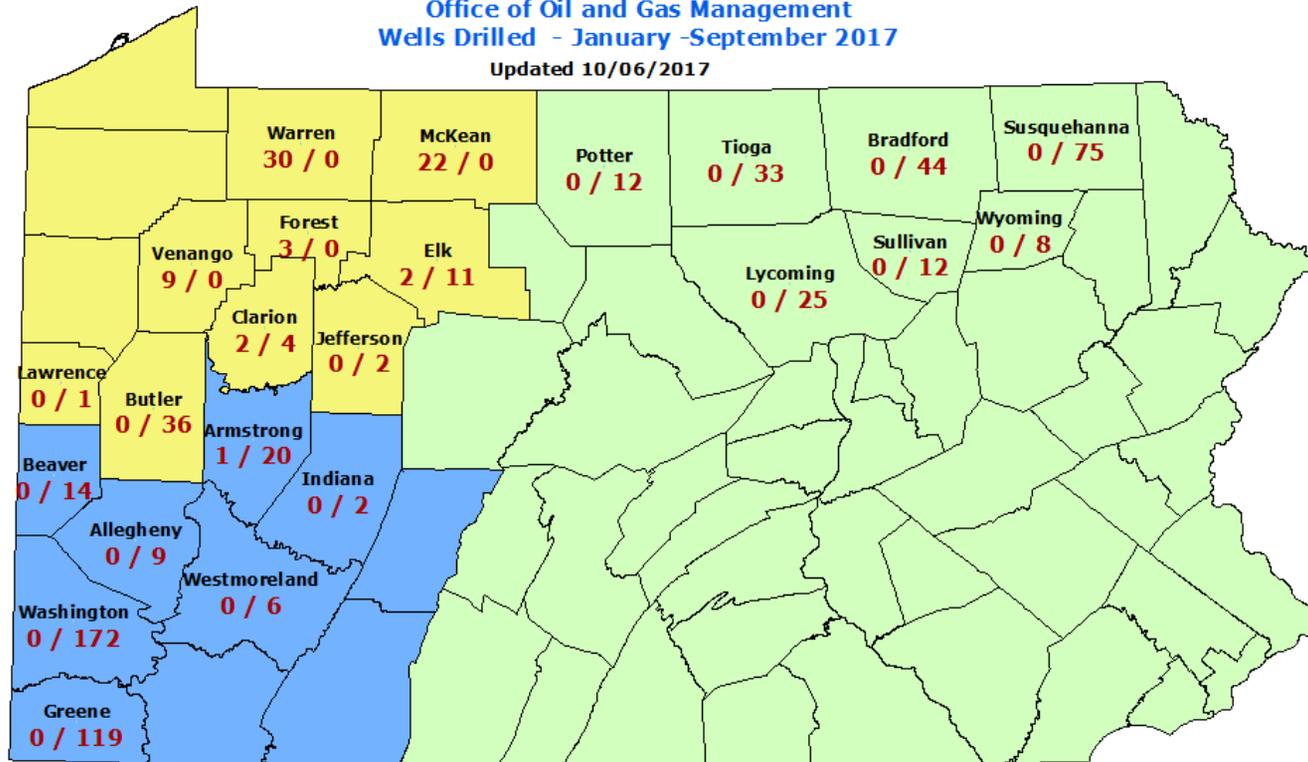
 Conventional Wells

 Unconventional Wells

Conventional - 173 + Unconventional - 1337 = Total - 1510

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - September 2017

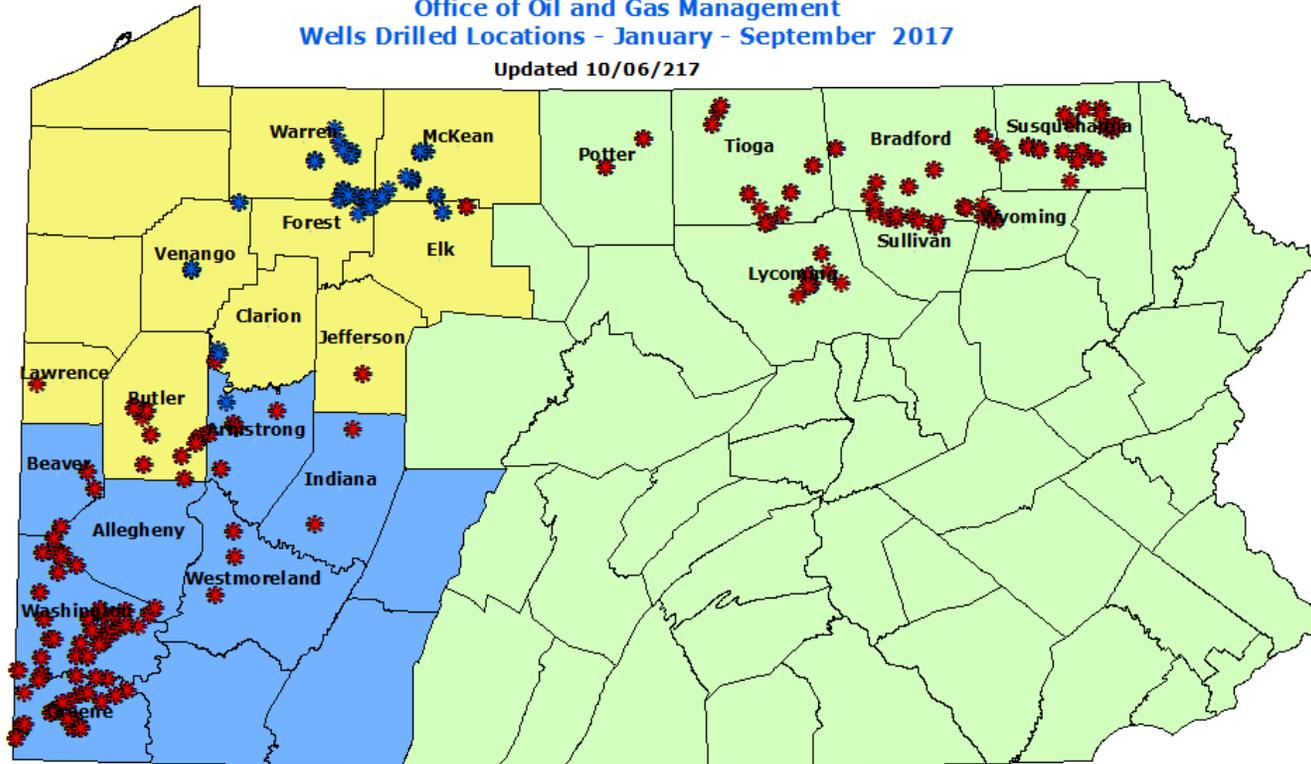
Updated 10/06/2017



(Conventional) - 69 + (Unconventional) - 605 = Total - 674

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - September 2017

Updated 10/06/2017



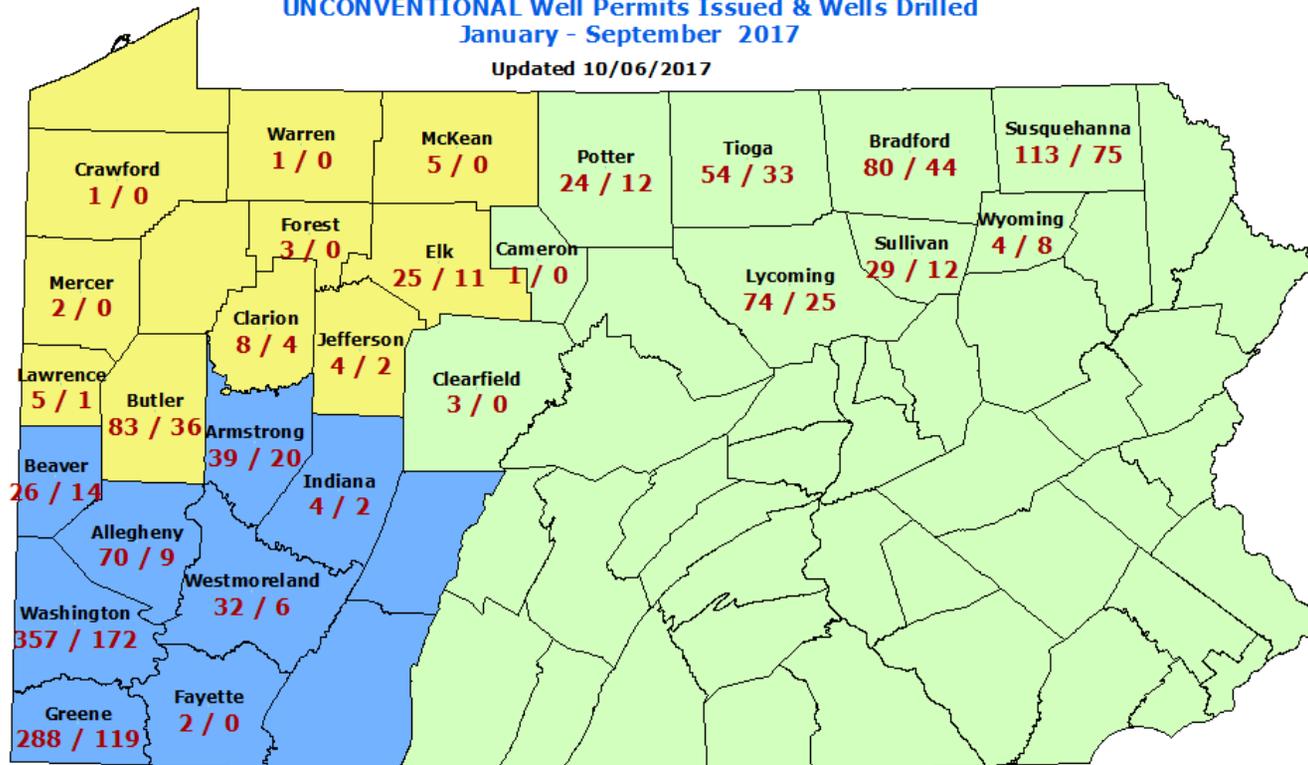
* Conventional Wells

* Unconventional Wells

(Conventional) - 69 + (Unconventional) - 605 = Total - 674

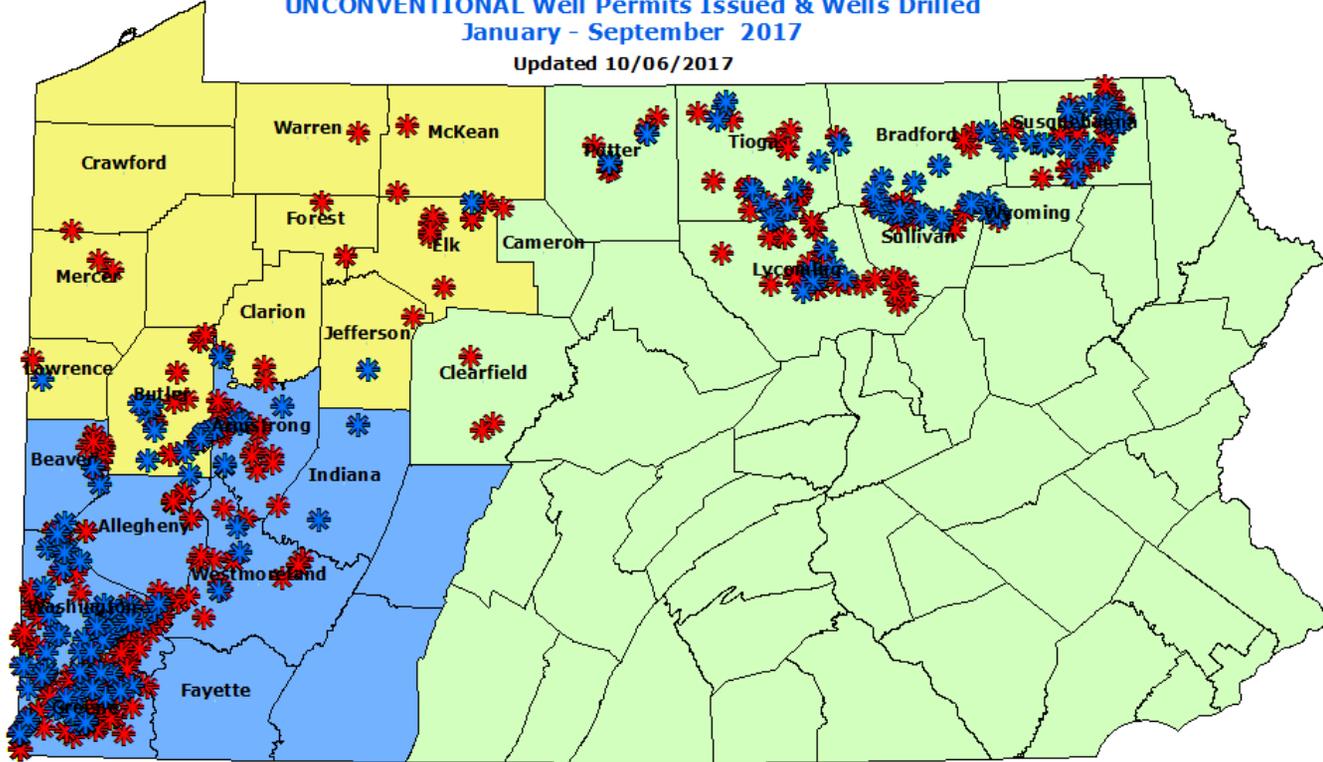
Department of Environmental Protection
 Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
 January - September 2017

Updated 10/06/2017



Unconventional Permits Issued - 1337 Unconventional Wells Drilled - 605

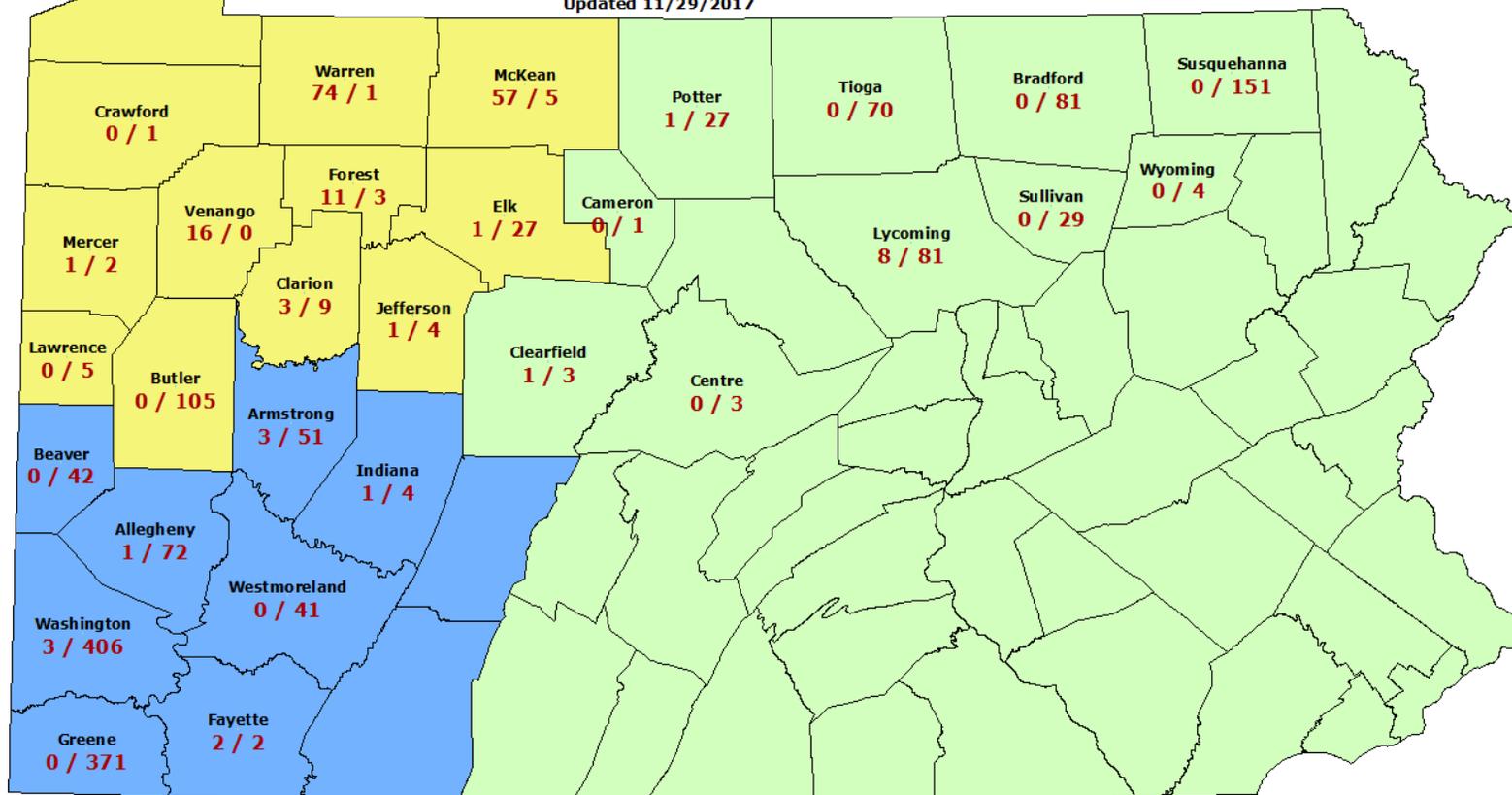
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - September 2017
Updated 10/06/2017



Unconventional Permits Issued - 1337 Unconventional Wells Drilled - 605

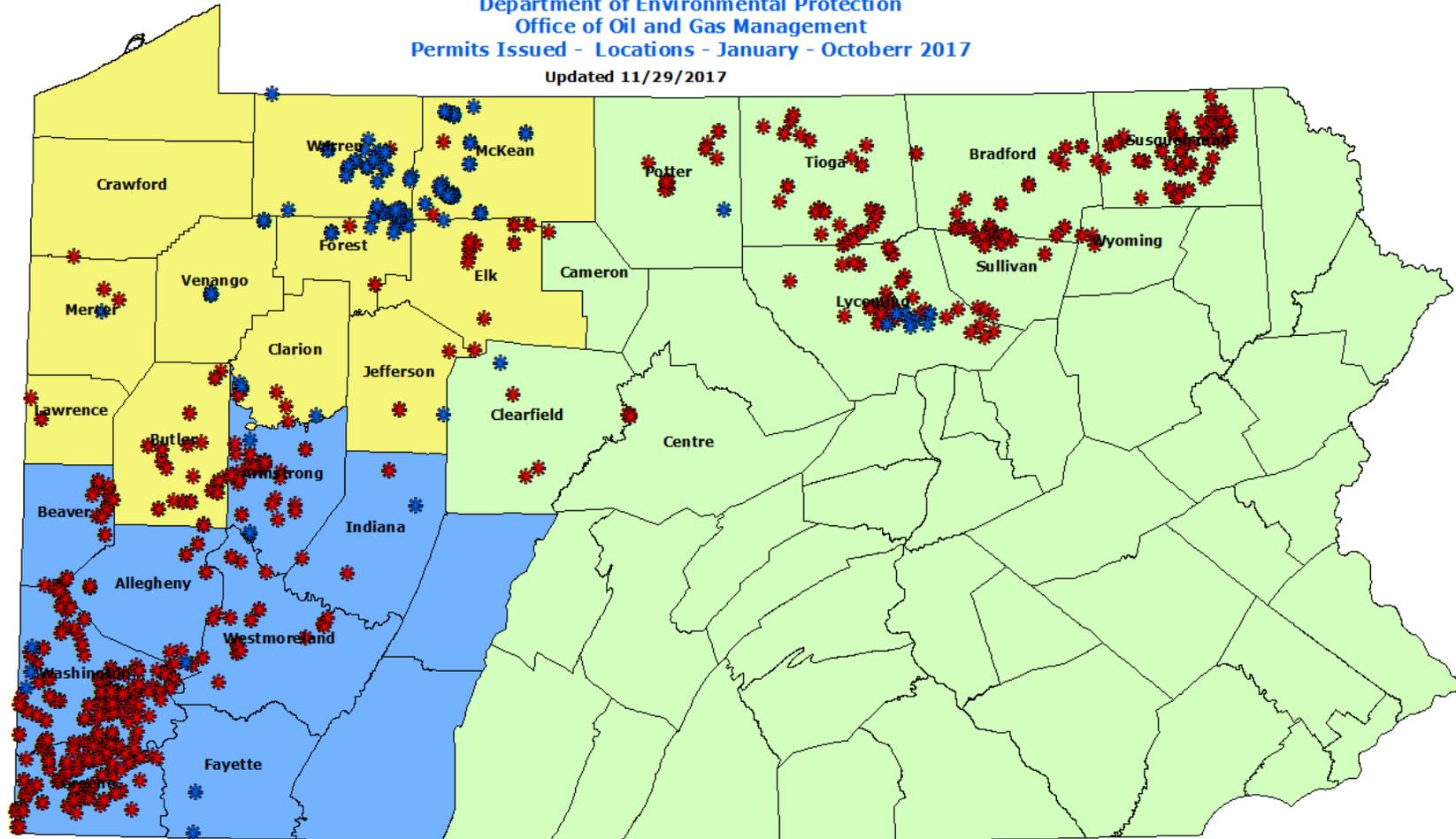
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - October 2017

Updated 11/29/2017



Conventional - 184 + Unconventional - 1601 = Total - 1785

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - October 2017
Updated 11/29/2017



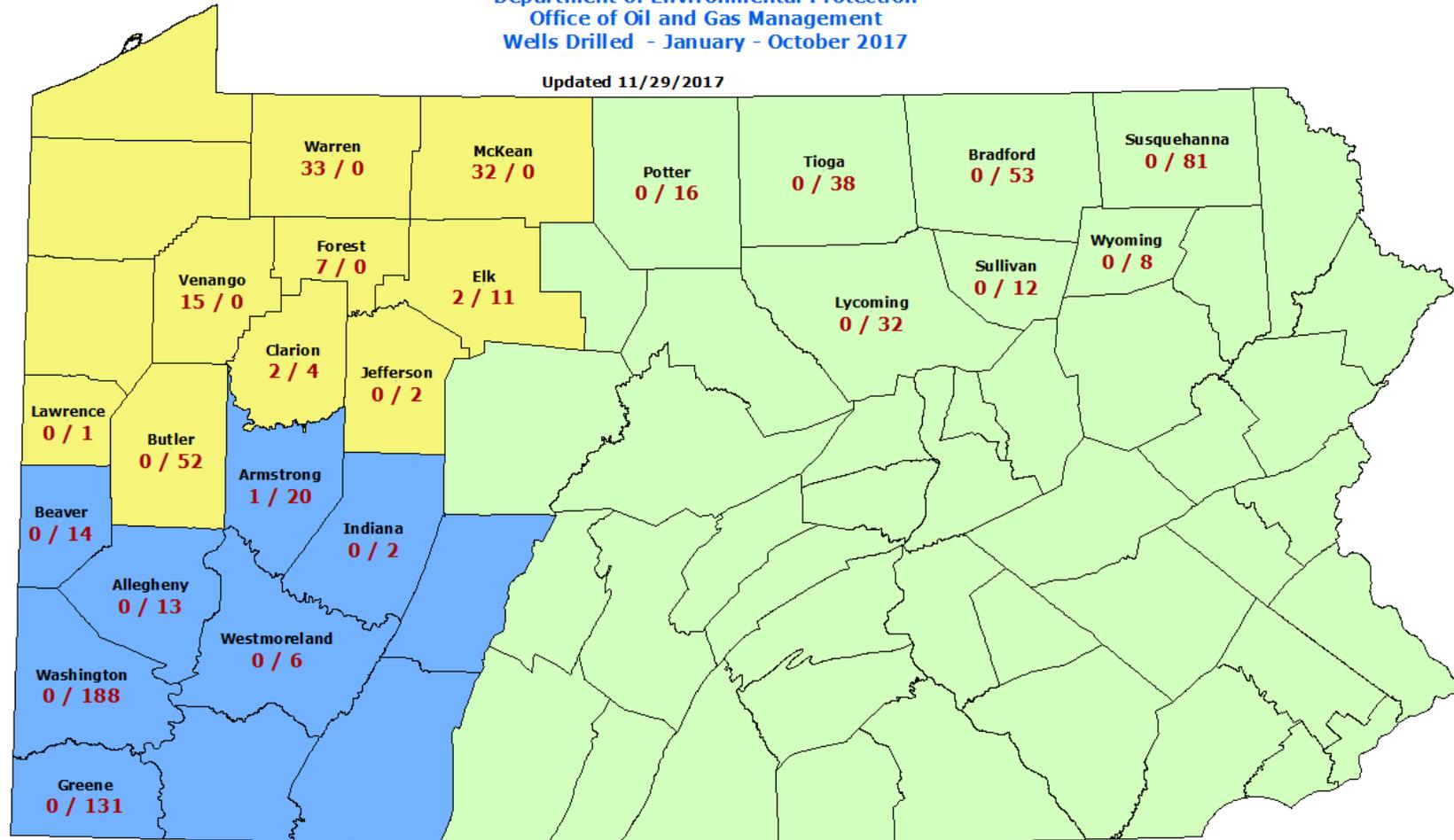
* Conventional Wells

* Unconventional Wells

Conventional - 184 + Unconventional - 1601 = Total - 1785

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - October 2017

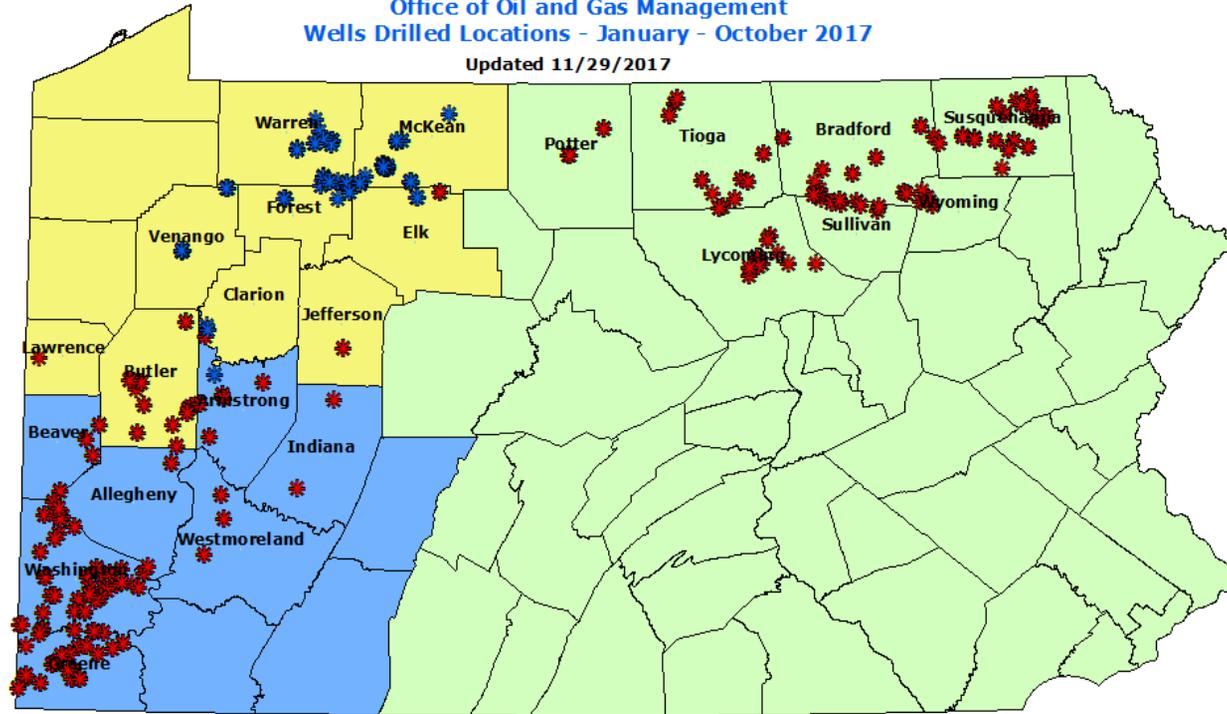
Updated 11/29/2017



(Conventional) - 92 + (Unconventional) - 684 = Total - 776

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - October 2017

Updated 11/29/2017



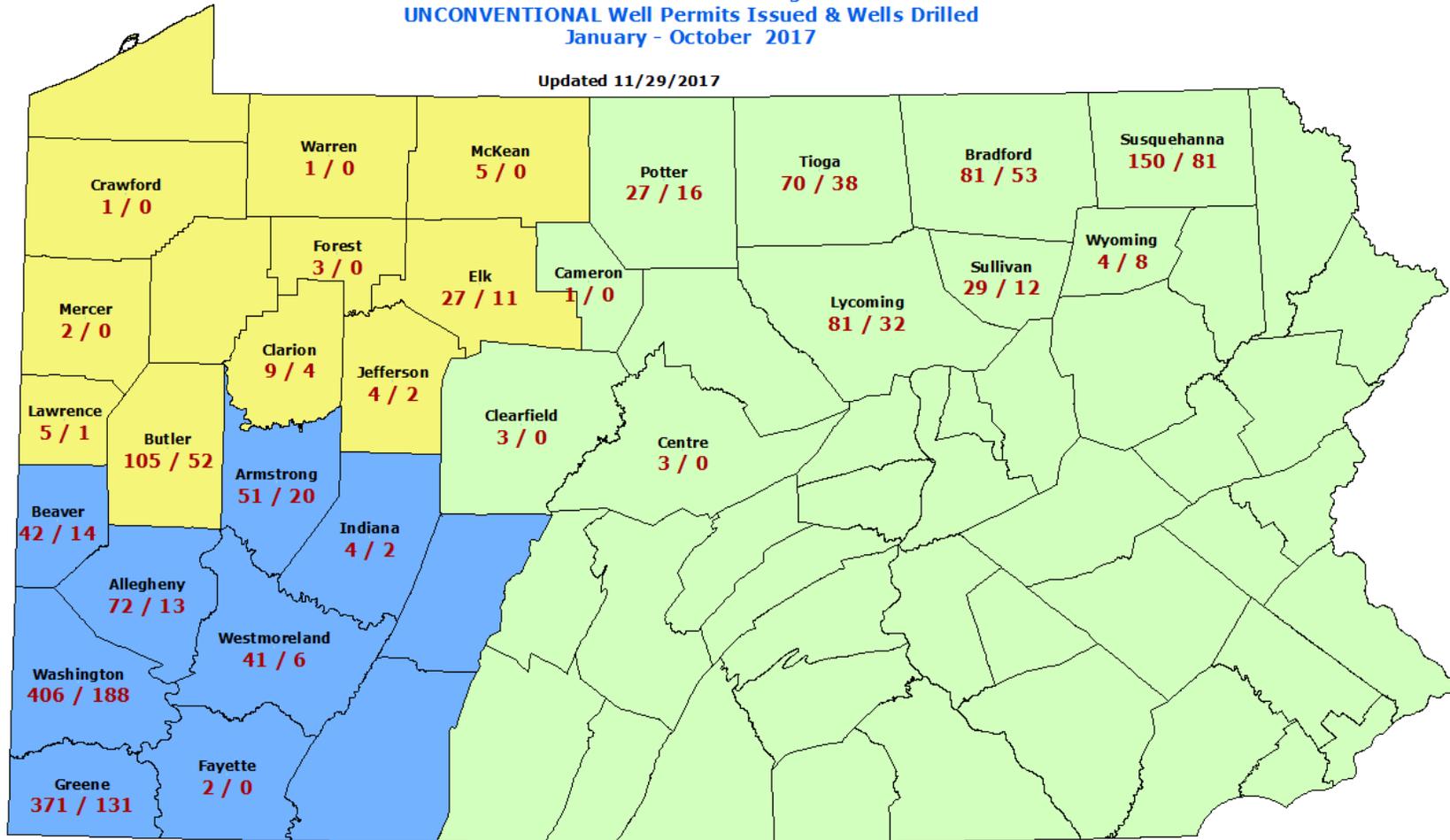
* Conventional Wells

* Unconventional Wells

(Conventional) - 92 + (Unconventional) - 684 = Total - 776

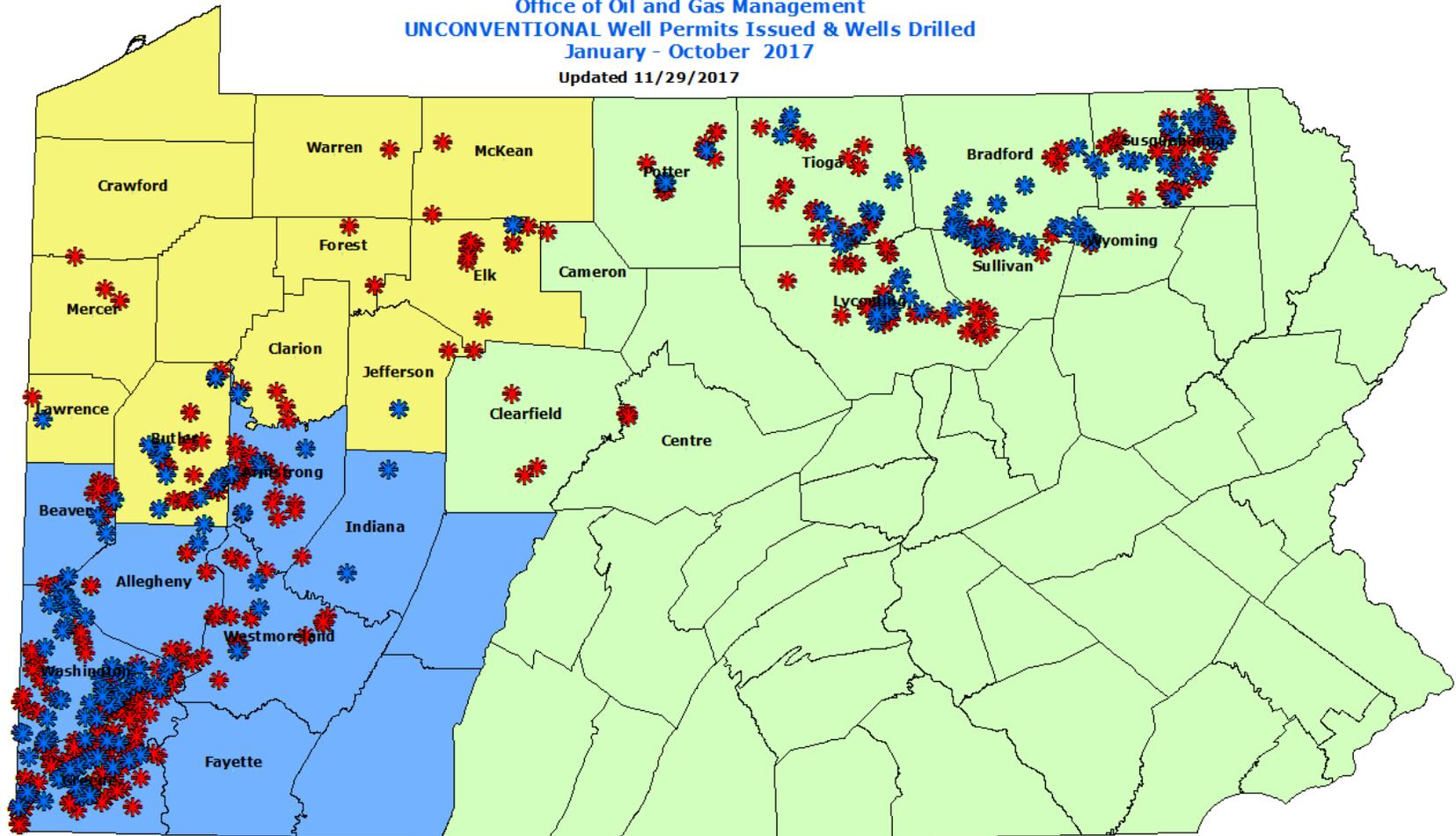
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - October 2017

Updated 11/29/2017



Unconventional Permits Issued - 1600 Unconventional Wells Drilled - 684

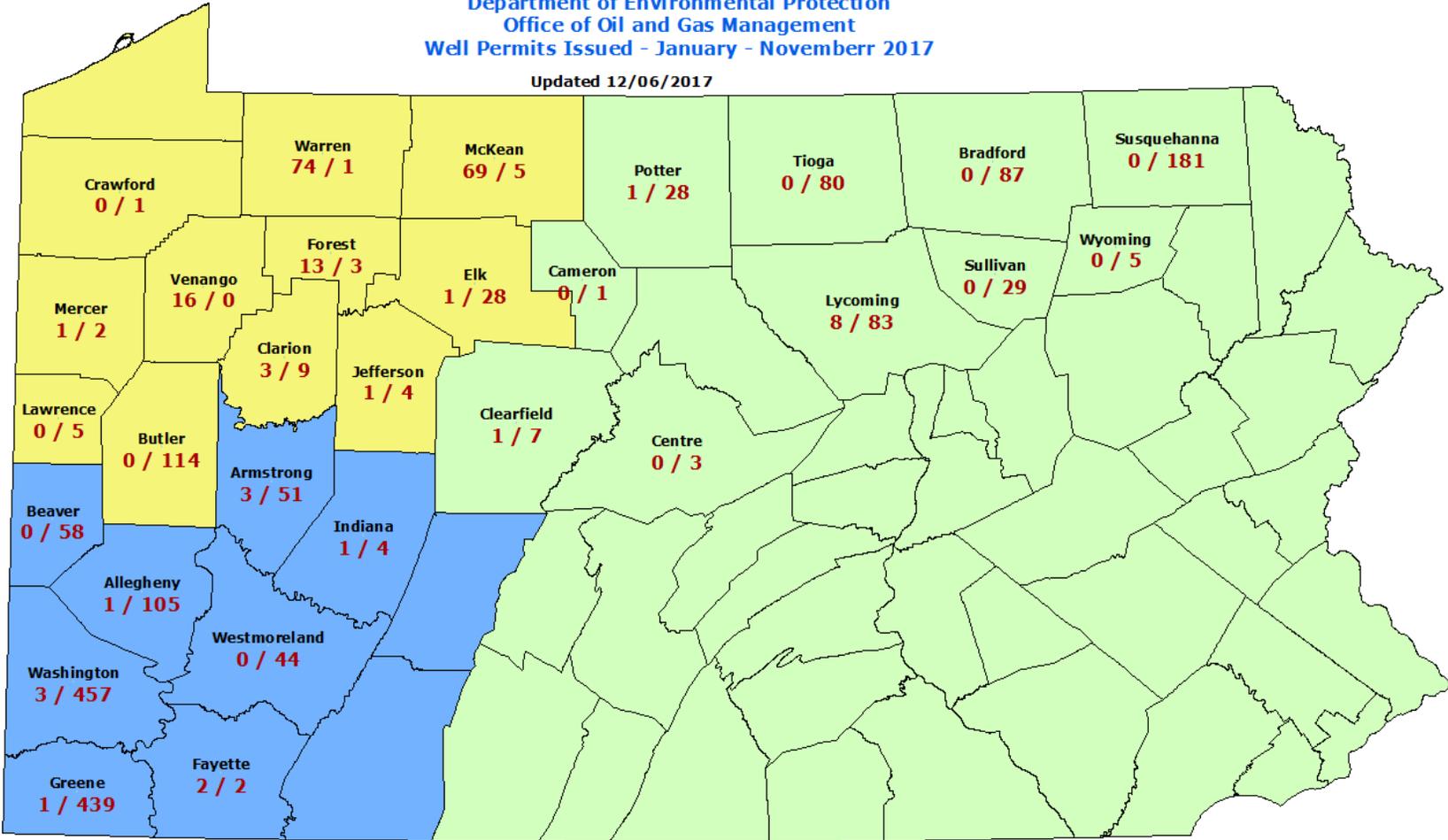
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - October 2017
Updated 11/29/2017



Unconventional Permits Issued - 1600 Unconventional Wells Drilled - 684

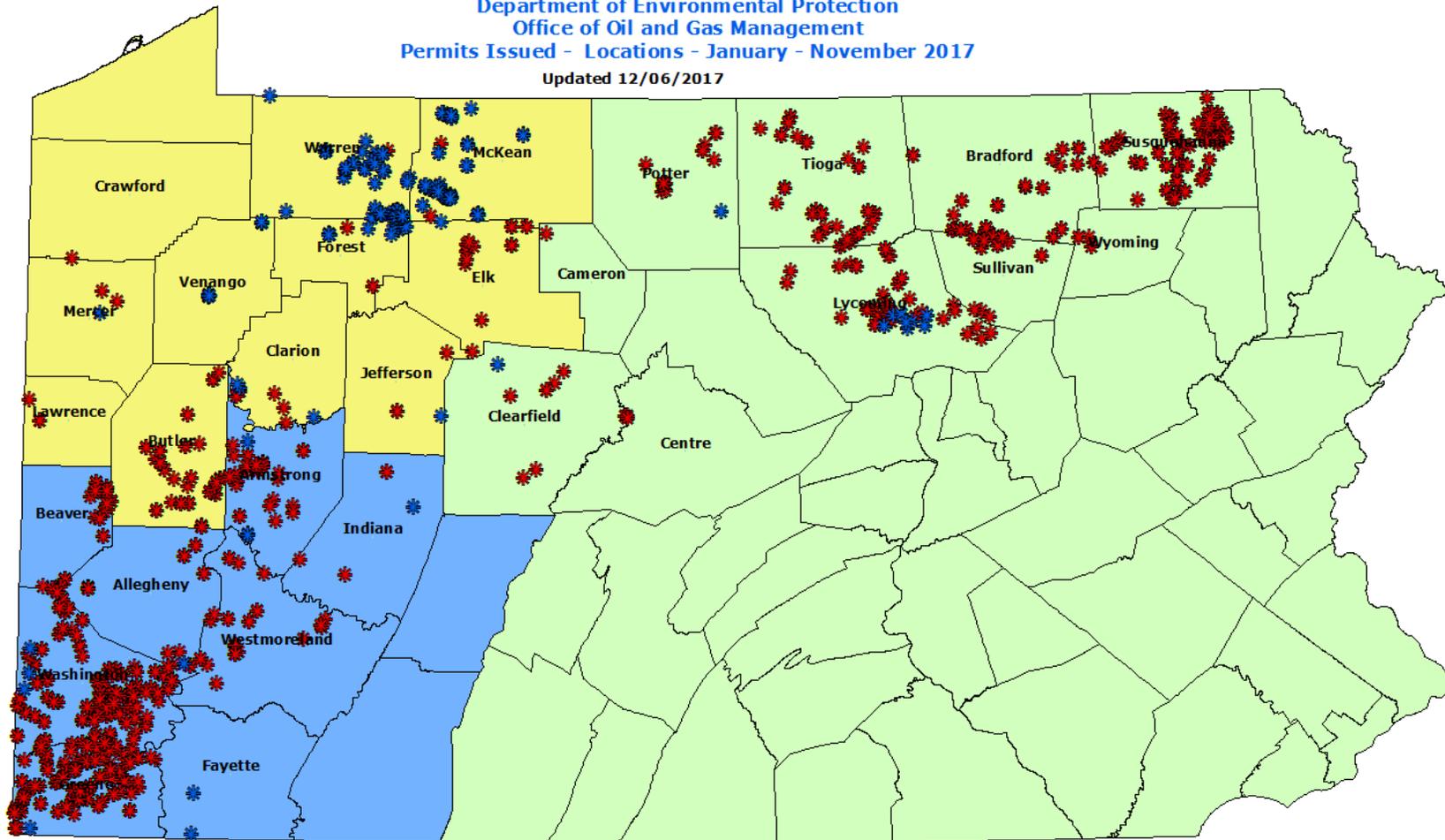
Department of Environmental Protection
 Office of Oil and Gas Management
 Well Permits Issued - January - November 2017

Updated 12/06/2017



Conventional - 199 + Unconventional - 1836 = Total - 2035

Department of Environmental Protection
Office of Oil and Gas Management
Permits Issued - Locations - January - November 2017
Updated 12/06/2017

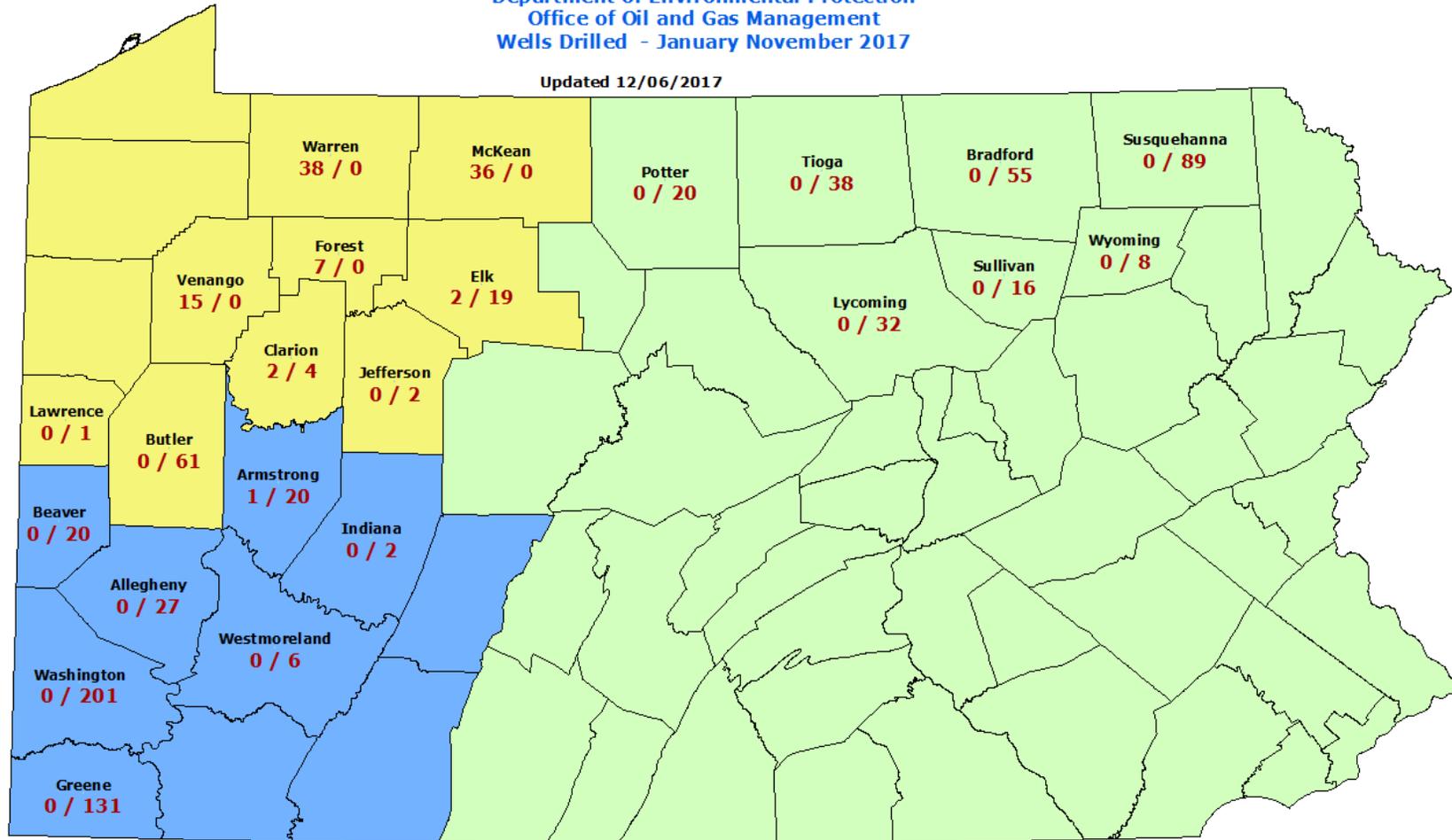


 Conventional Wells  Unconventional Wells

Conventional - 199 + Unconventional - 1836 = Total - 2035

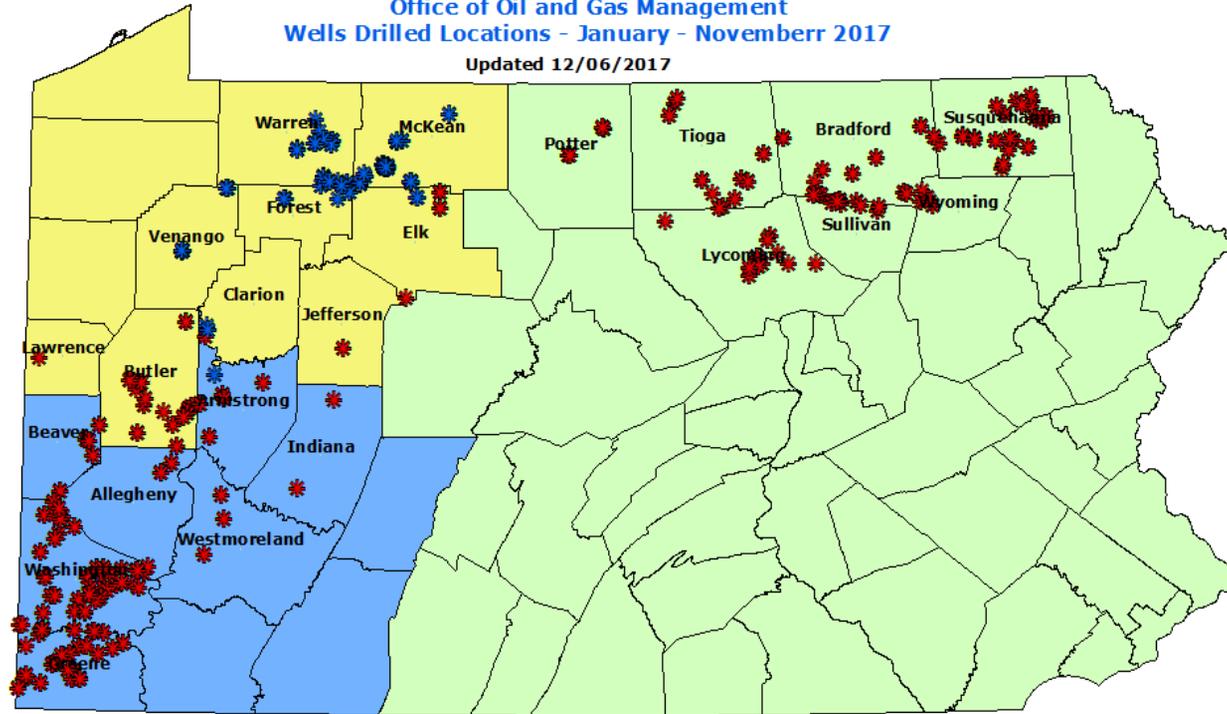
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January November 2017

Updated 12/06/2017



(Conventional) - 101 + (Unconventional) - 752 = Total - 853

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - November 2017
Updated 12/06/2017



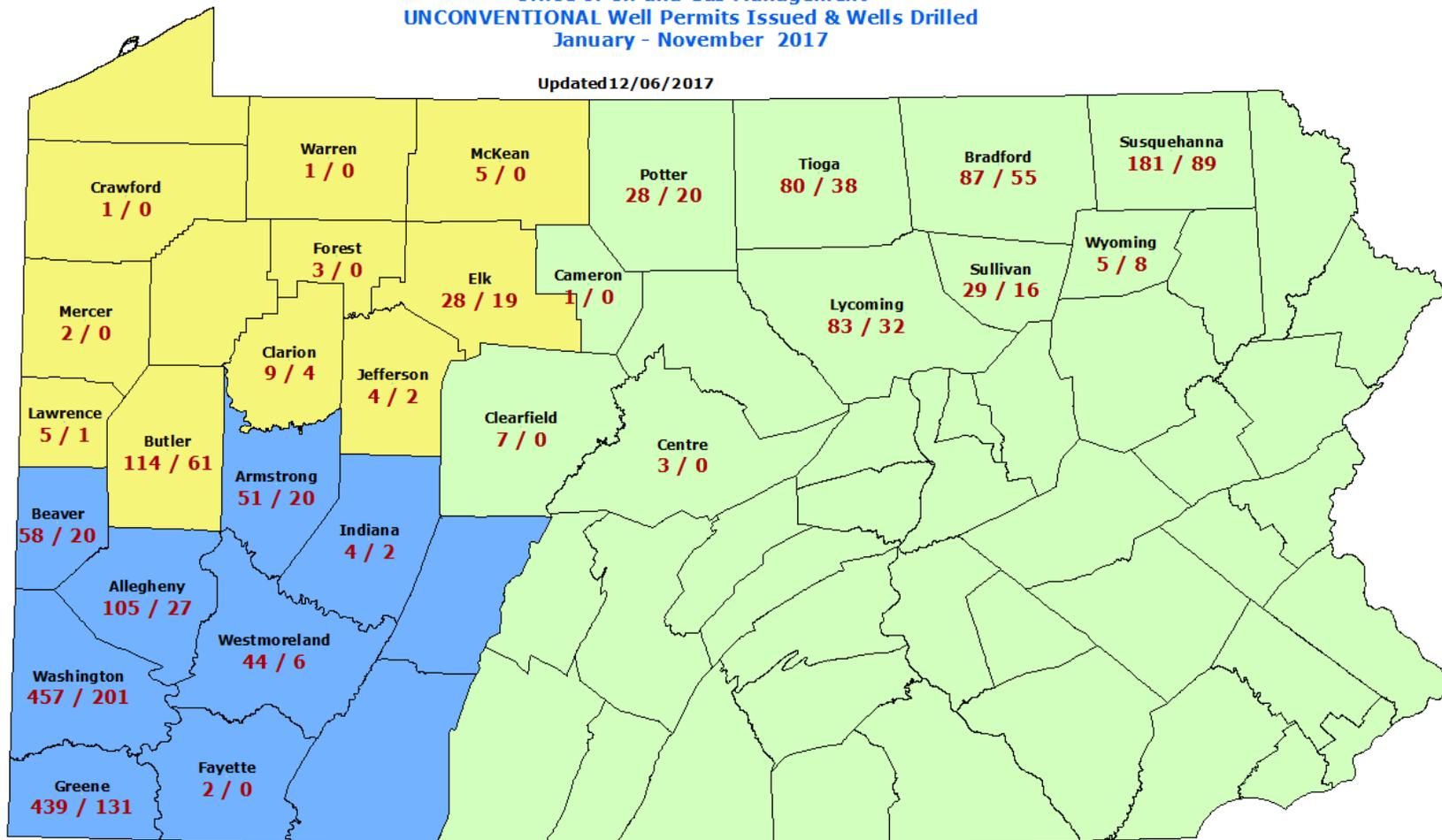
* Conventional Wells

* Unconventional Wells

(Conventional) - 101 + (Unconventional) - 752 = Total - 853

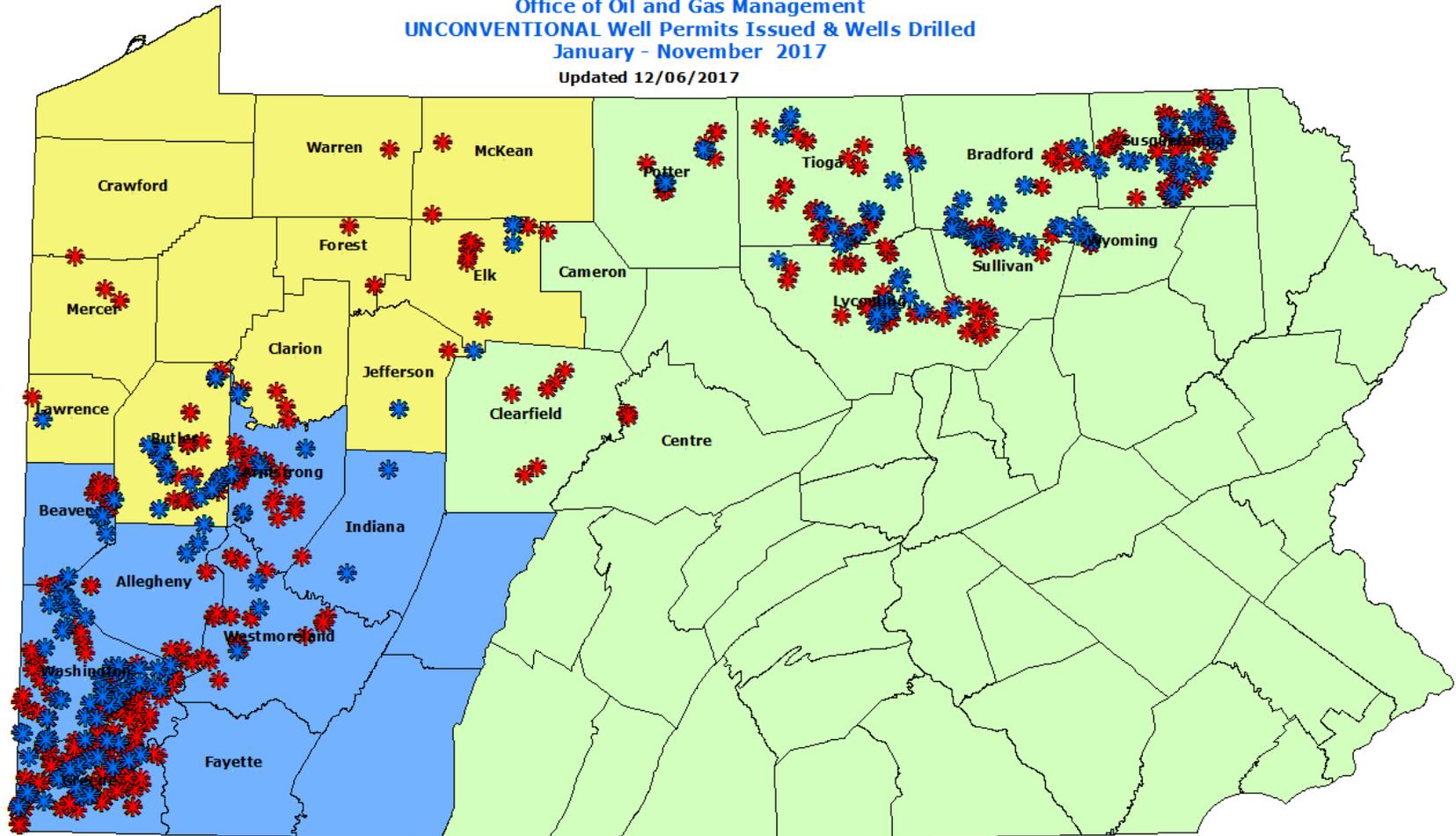
Department of Environmental Protection
 Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
 January - November 2017

Updated 12/06/2017



Unconventional Permits Issued - 1836 Unconventional Wells Drilled - 752

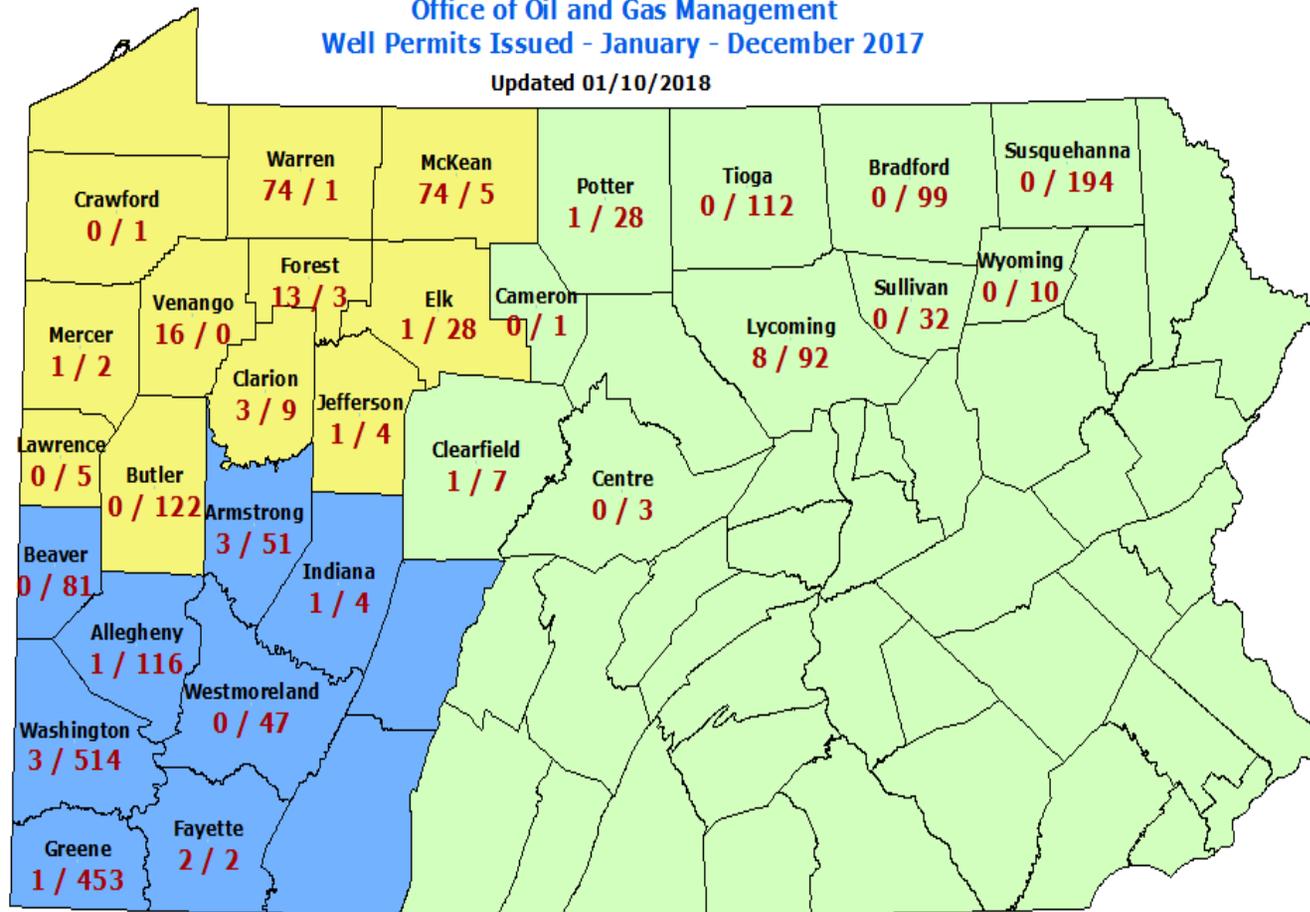
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - November 2017
Updated 12/06/2017



Unconventional Permits Issued - 1836 Unconventional Wells Drilled - 752

Department of Environmental Protection
 Office of Oil and Gas Management
 Well Permits Issued - January - December 2017

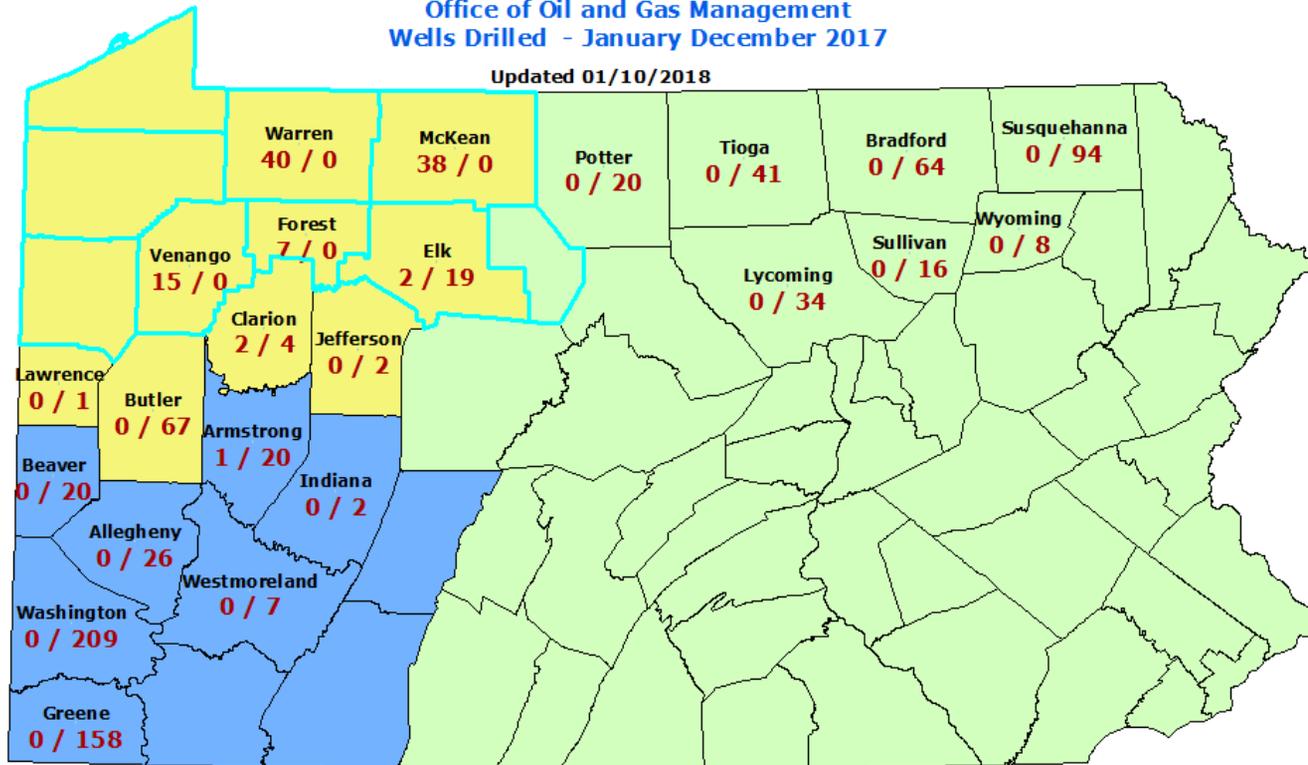
Updated 01/10/2018



Conventional - 204 + Unconventional - 2026 = Total - 2230

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January December 2017

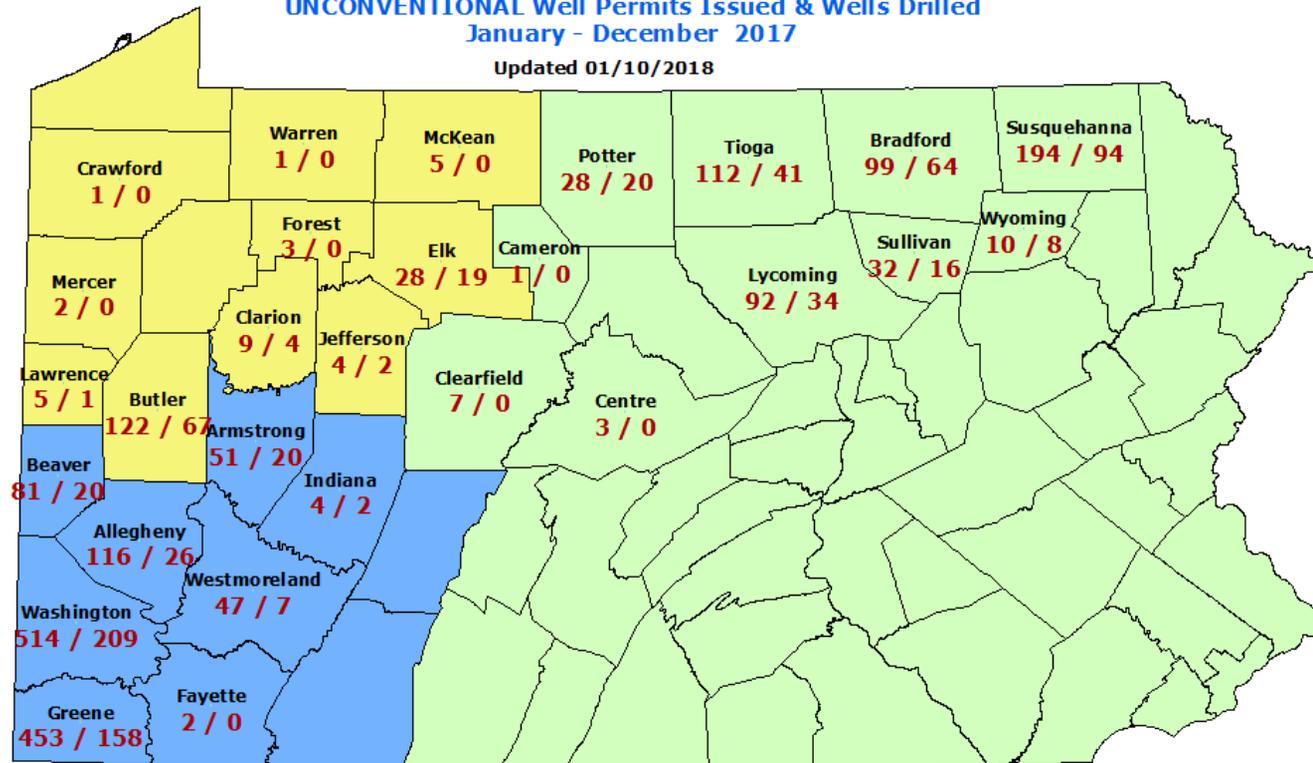
Updated 01/10/2018



(Conventional) - 105 + (Unconventional) - 812 = Total - 917

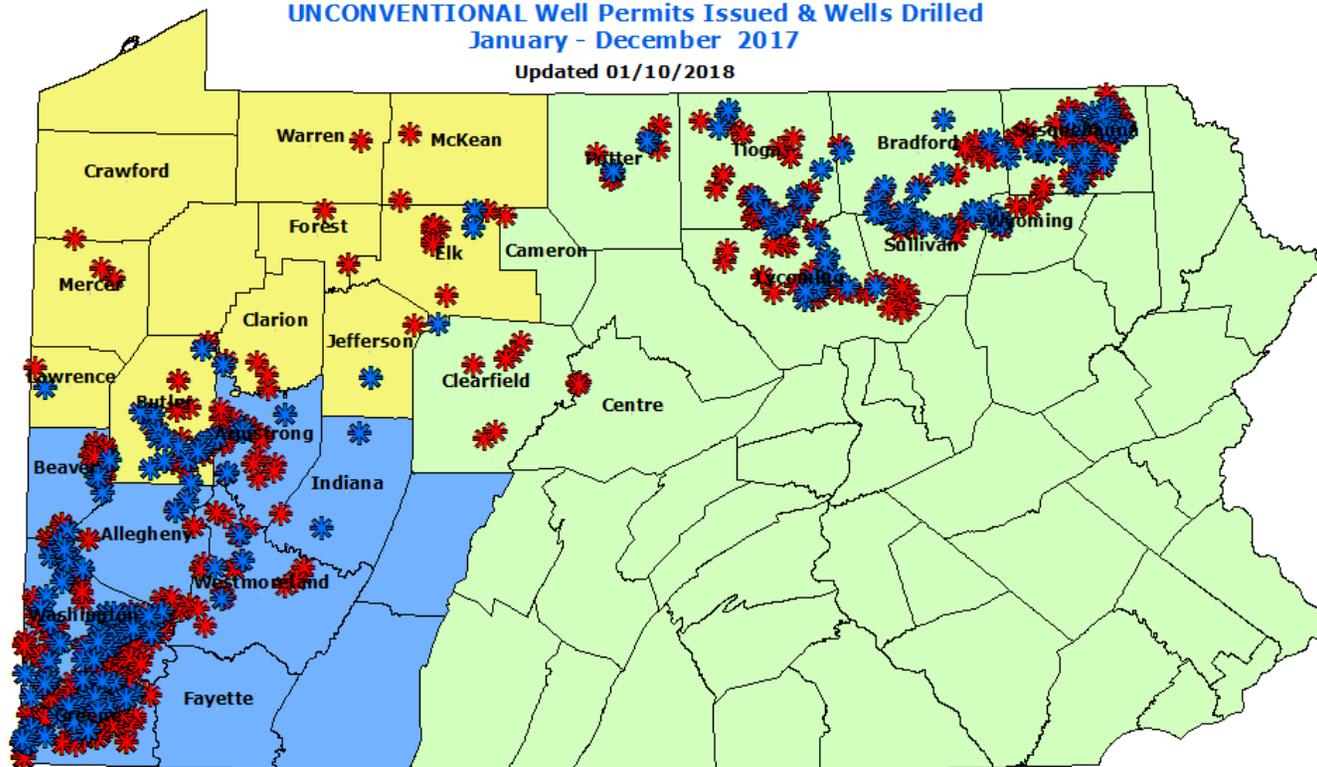
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - December 2017

Updated 01/10/2018



Unconventional Permits Issued - 2026 Unconventional Wells Drilled - 812

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - December 2017
Updated 01/10/2018



Unconventional Permits Issued - 2026 Unconventional Wells Drilled - 812