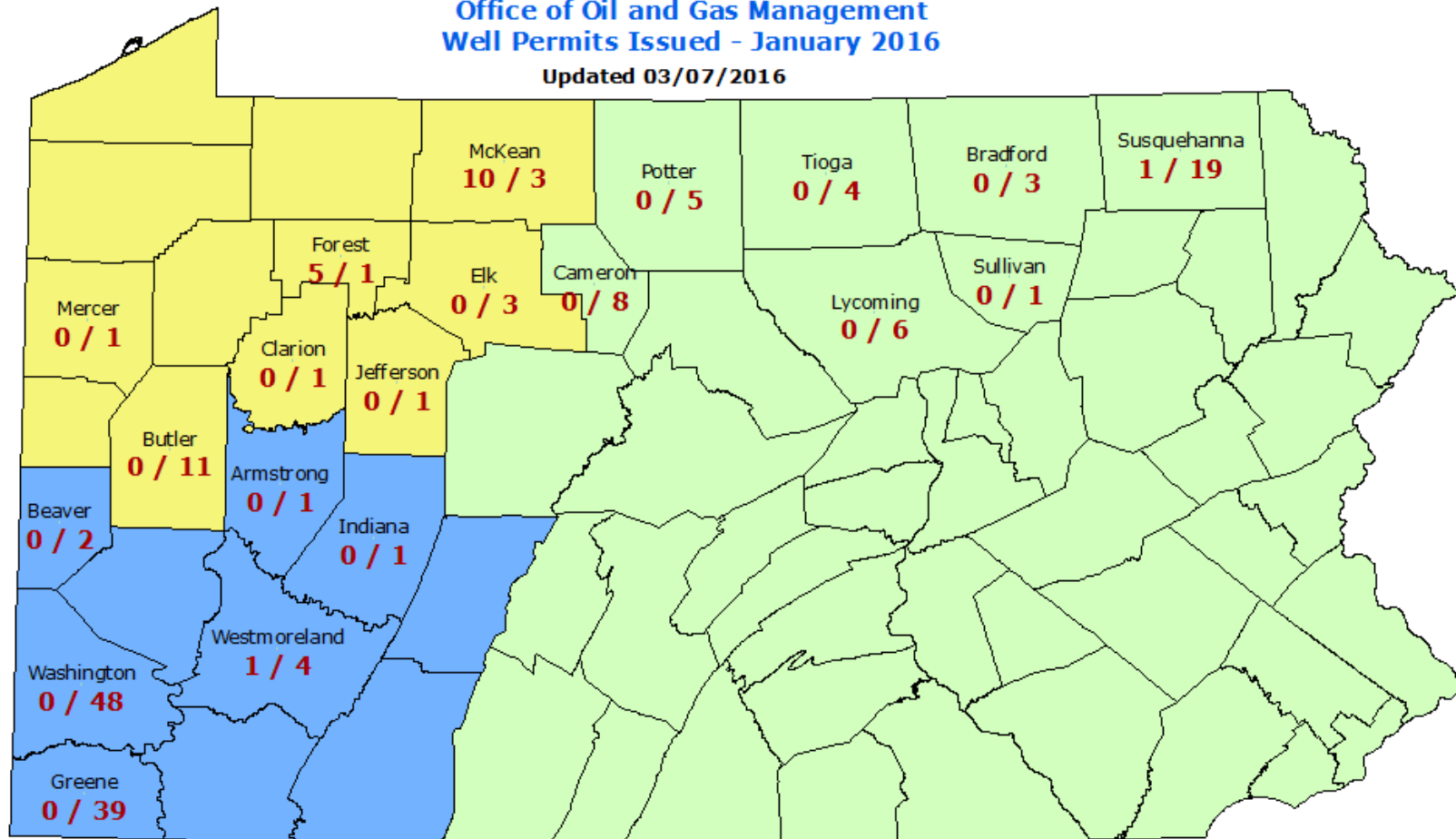


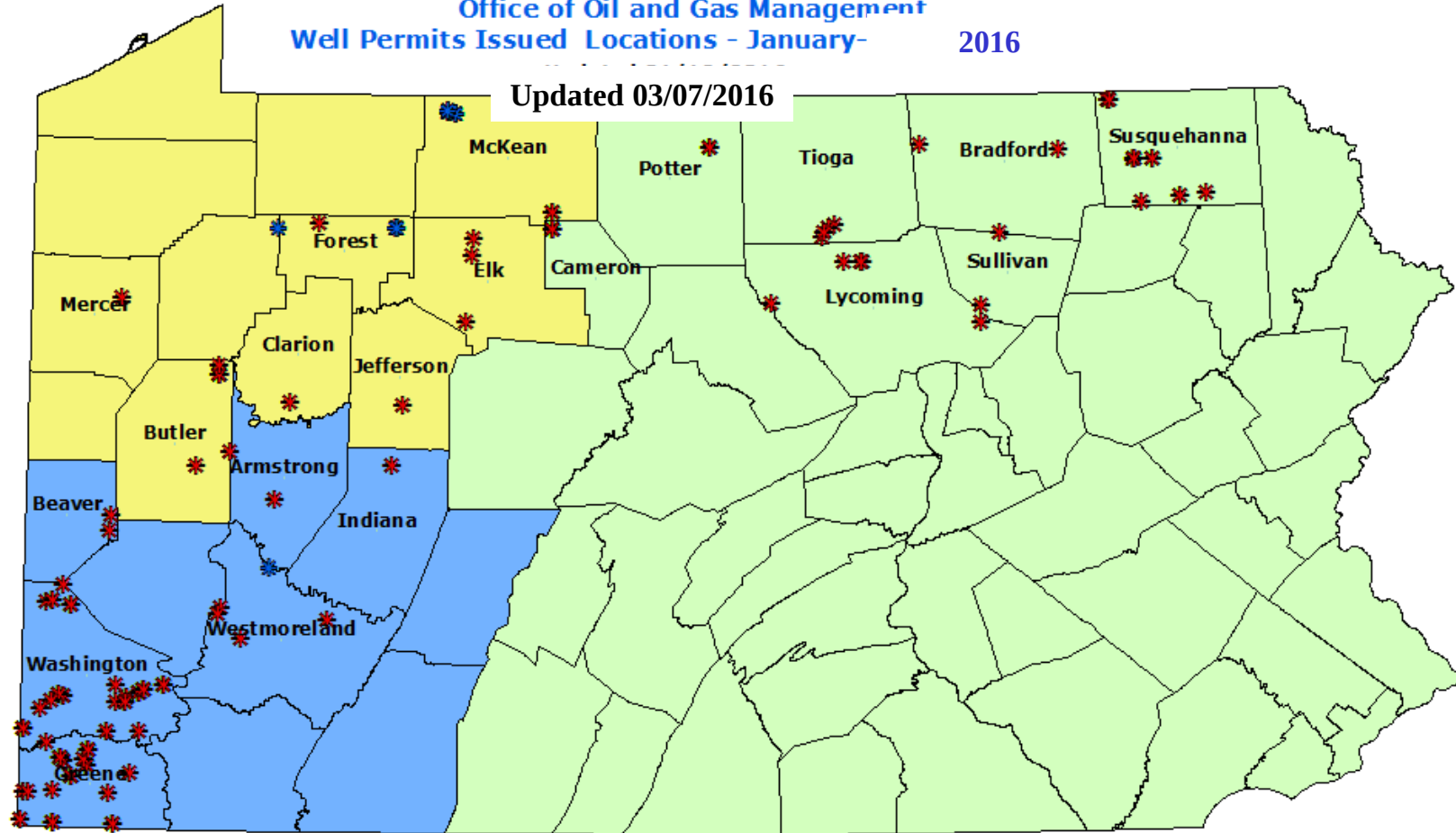
Updated 03/07/2016



Conventional - 17 + Unconventional - 162 = Total - 179

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January- 2016

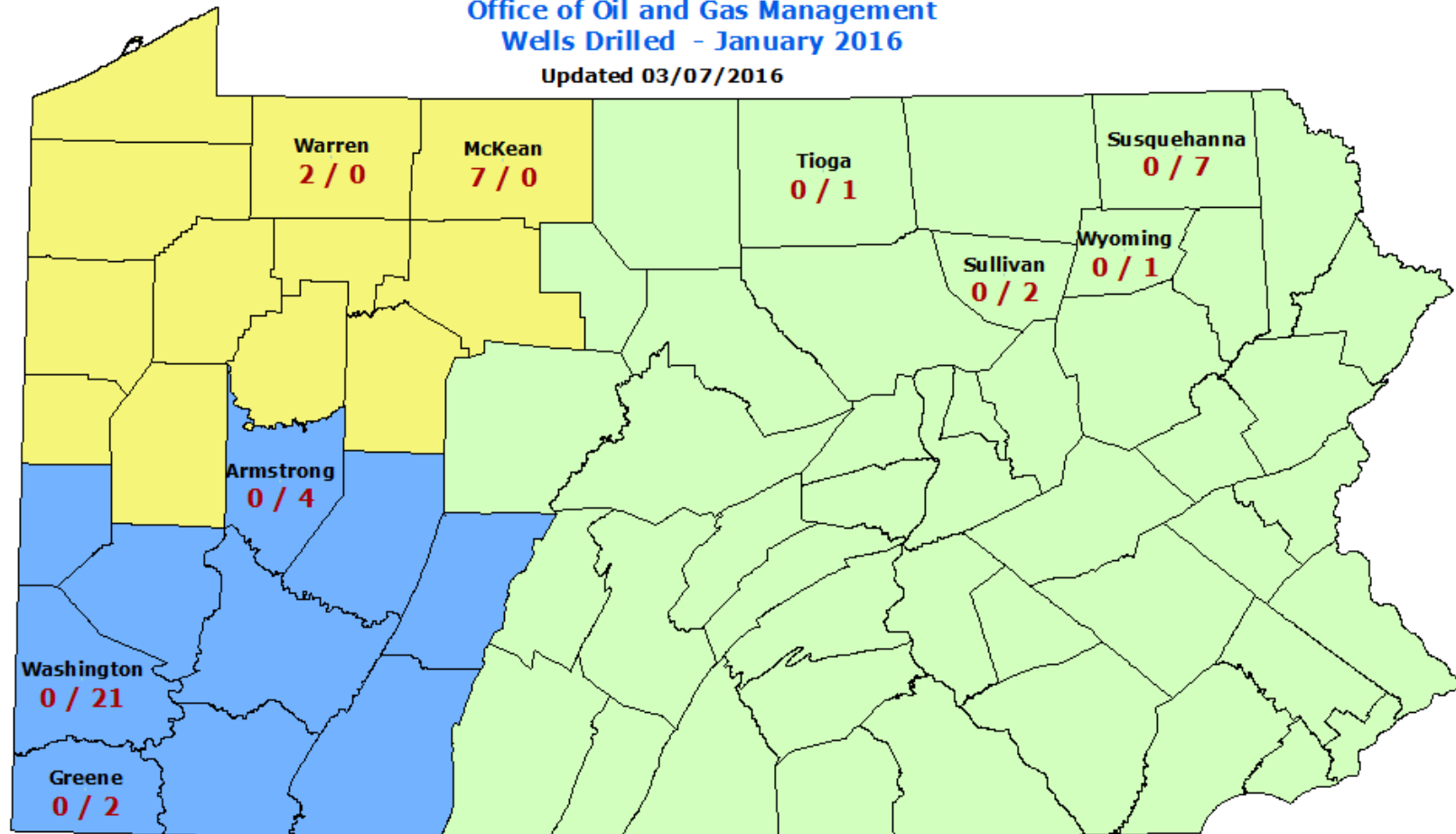
Updated 03/07/2016



Conventional - 17 + Unconventional - 162 = Total - 179

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January 2016

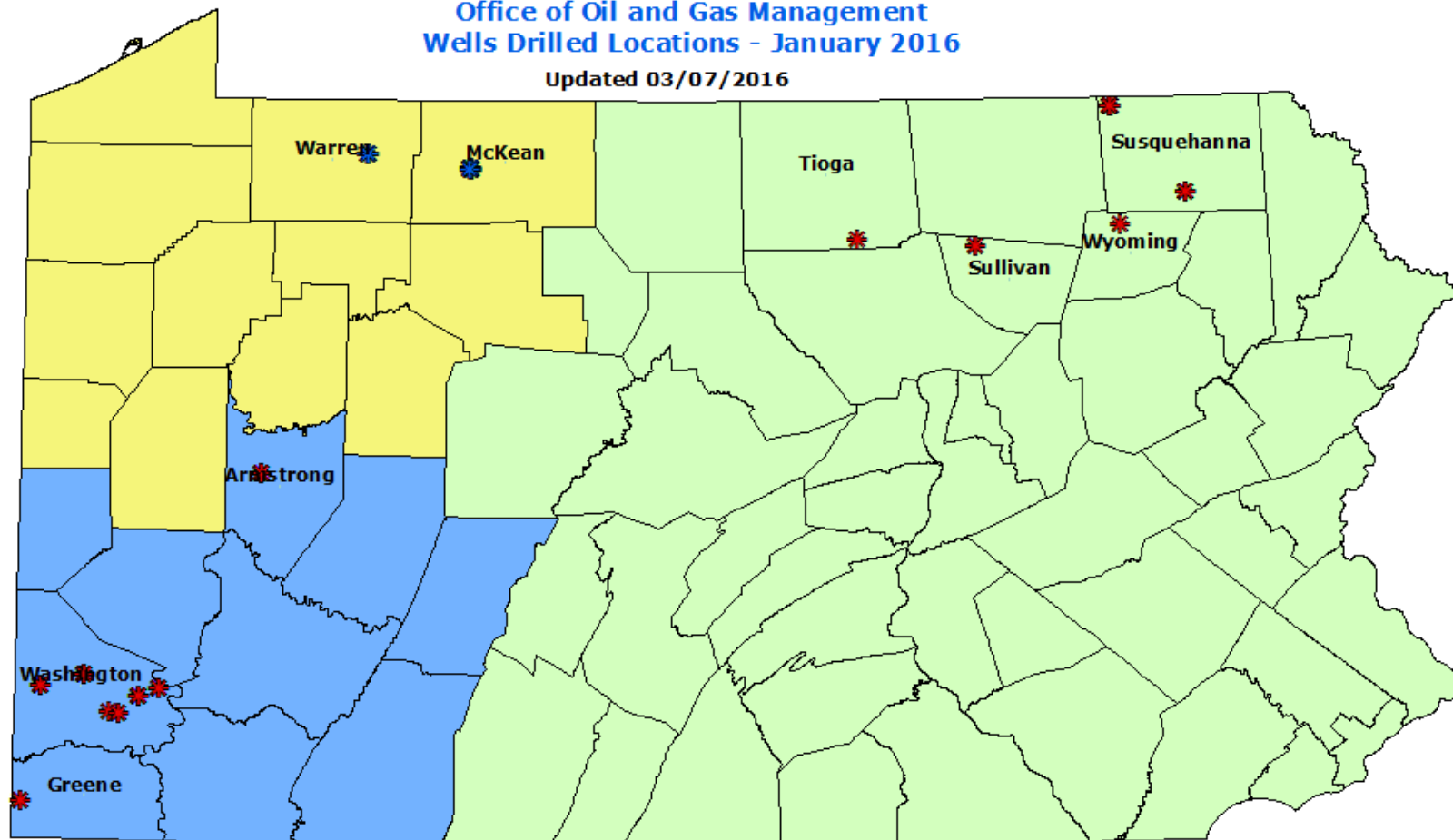
Updated 03/07/2016



(Conventional) - 9 + (Unconventional) - 38 = Total - 47

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January 2016

Updated 03/07/2016



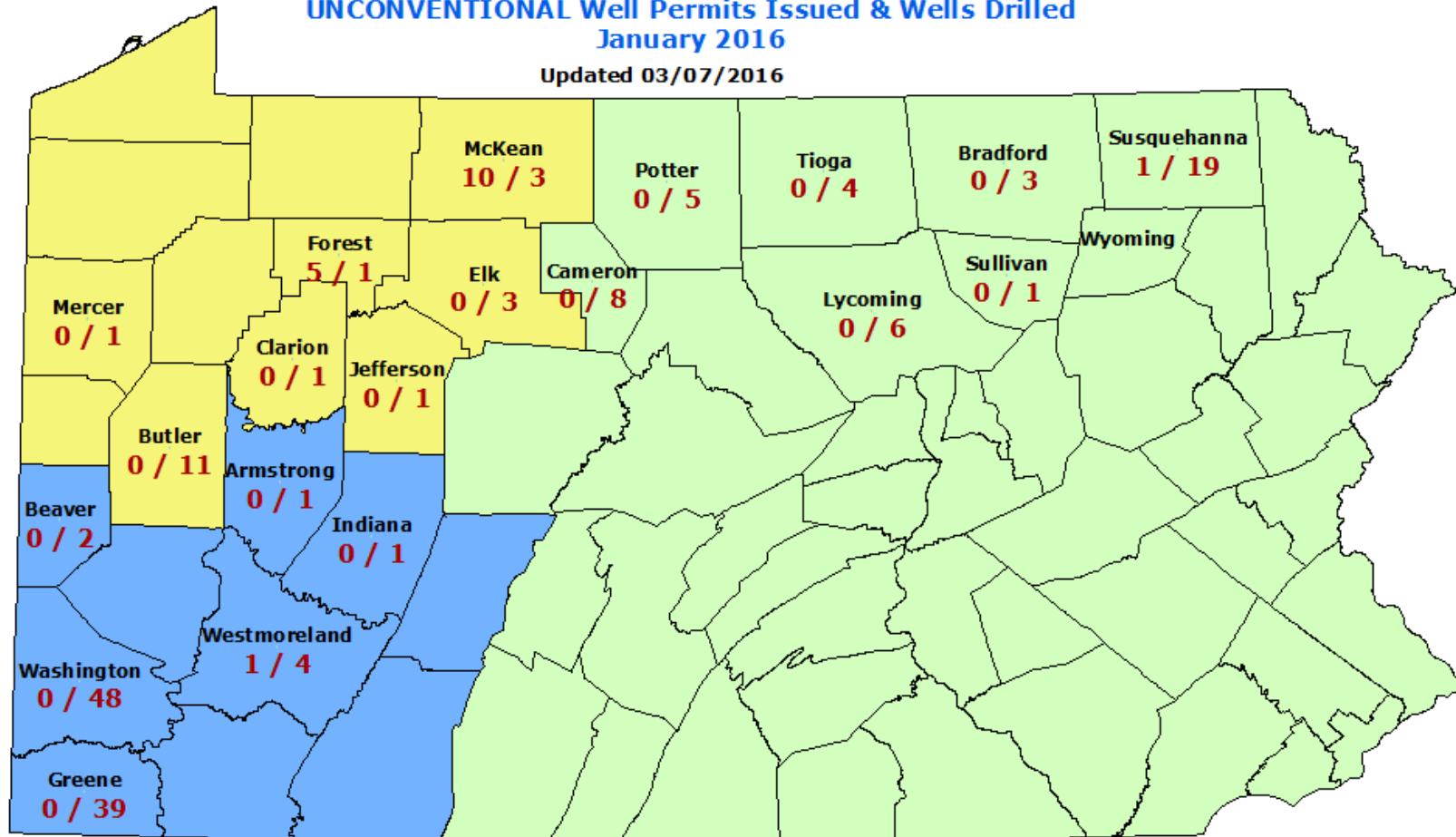
✱ Conventional Wells

✱ Unconventional Wells

(Conventional) - 9 + (Unconventional) - 38 = Total - 47

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January 2016

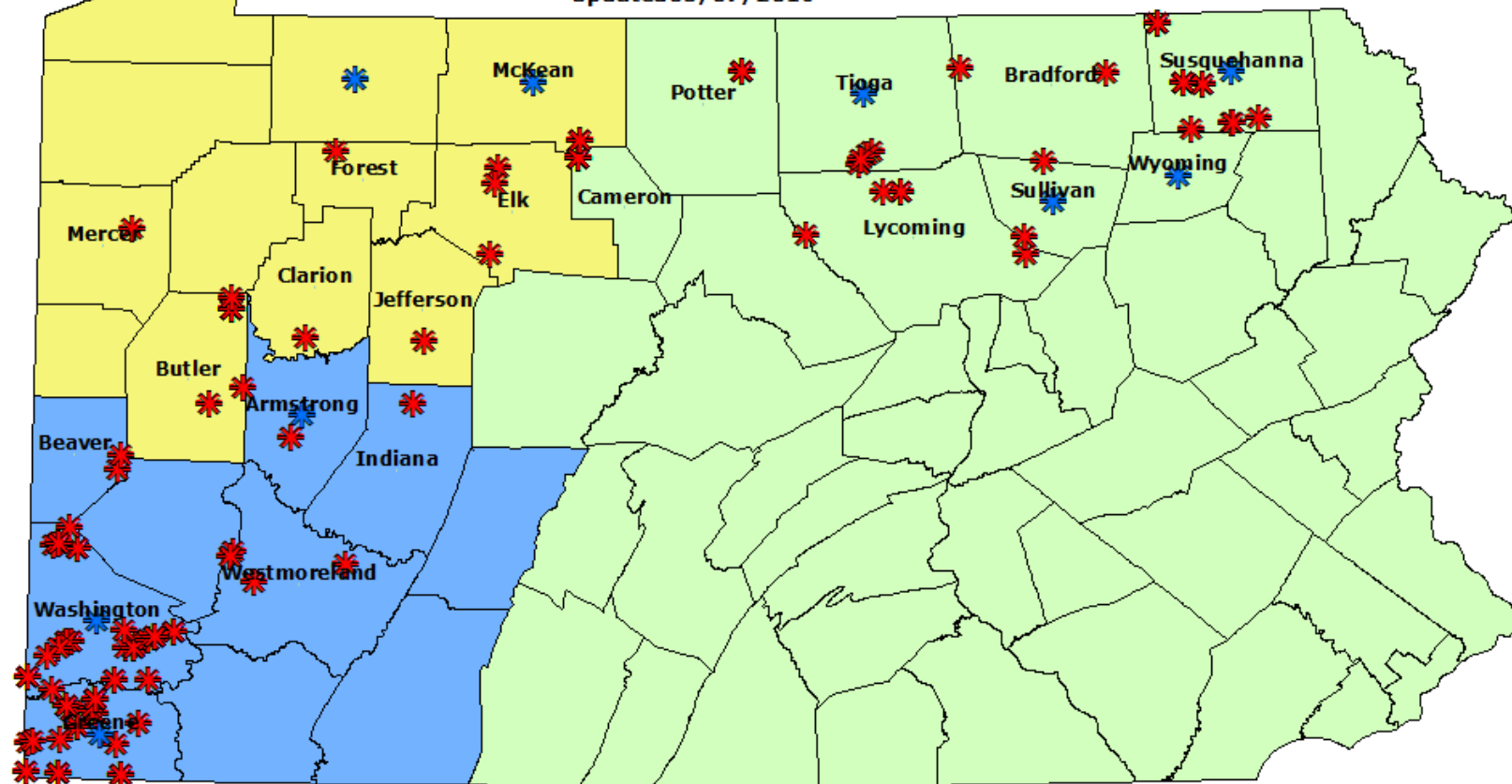
Updated 03/07/2016



Conventional - 17 + Unconventional - 162 = Total - 179

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January 2016

Updated 03/07/2016



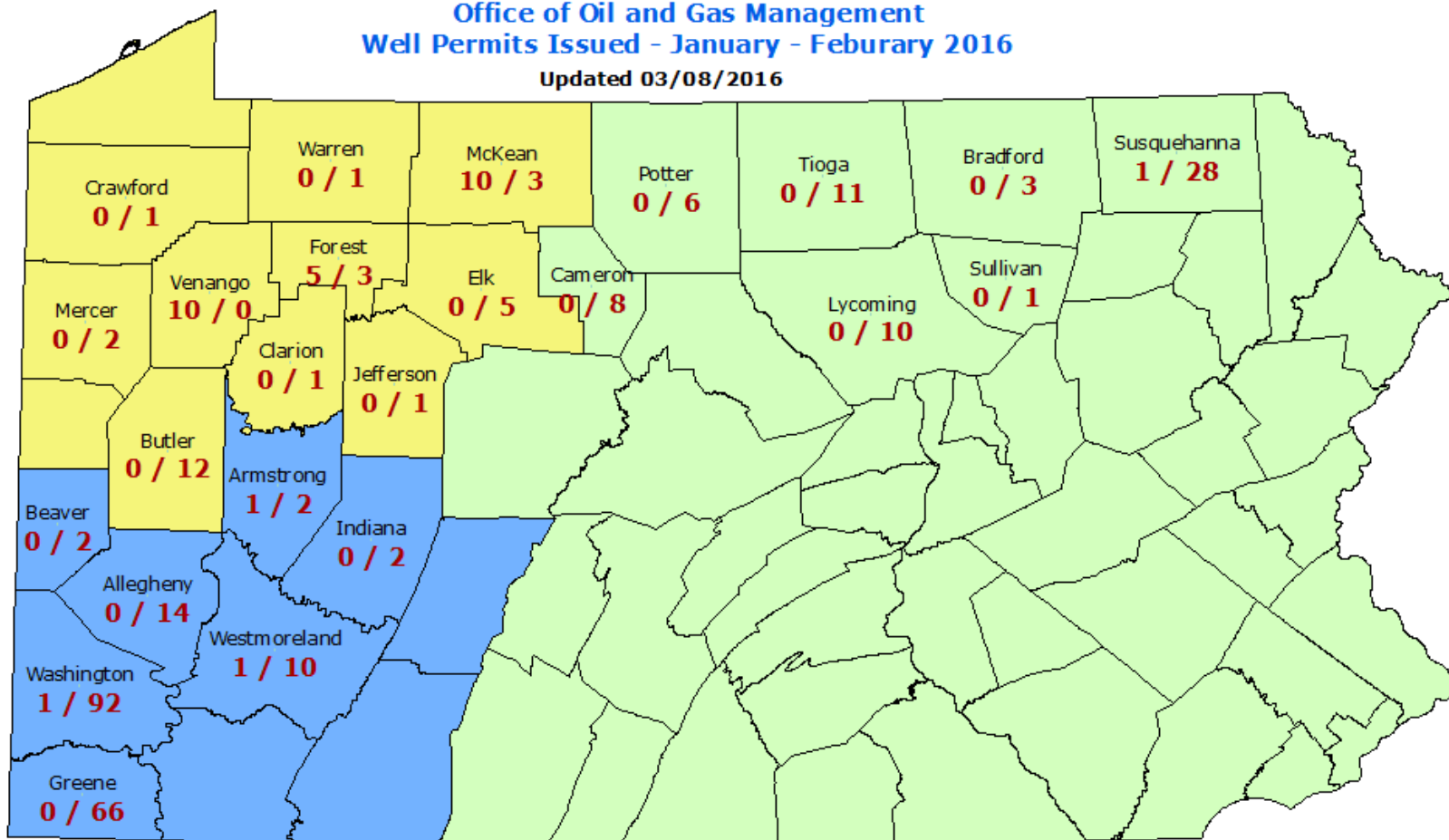
Unconventional Permits Issued - 162



Unconventional Wells Drilled - 38

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - February 2016

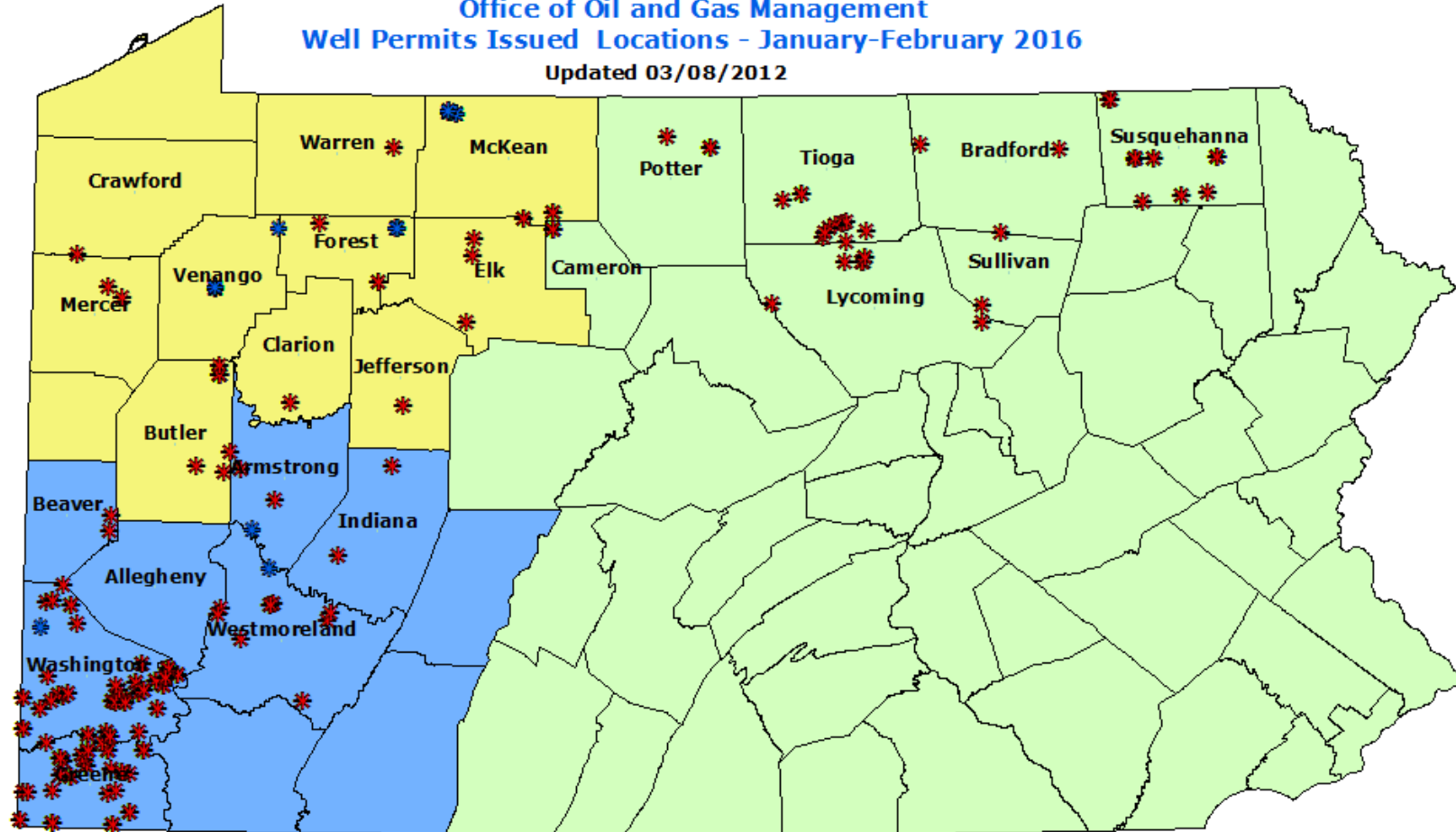
Updated 03/08/2016



Conventional - 29 + Unconventional - 284 = Total - 313

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January-February 2016

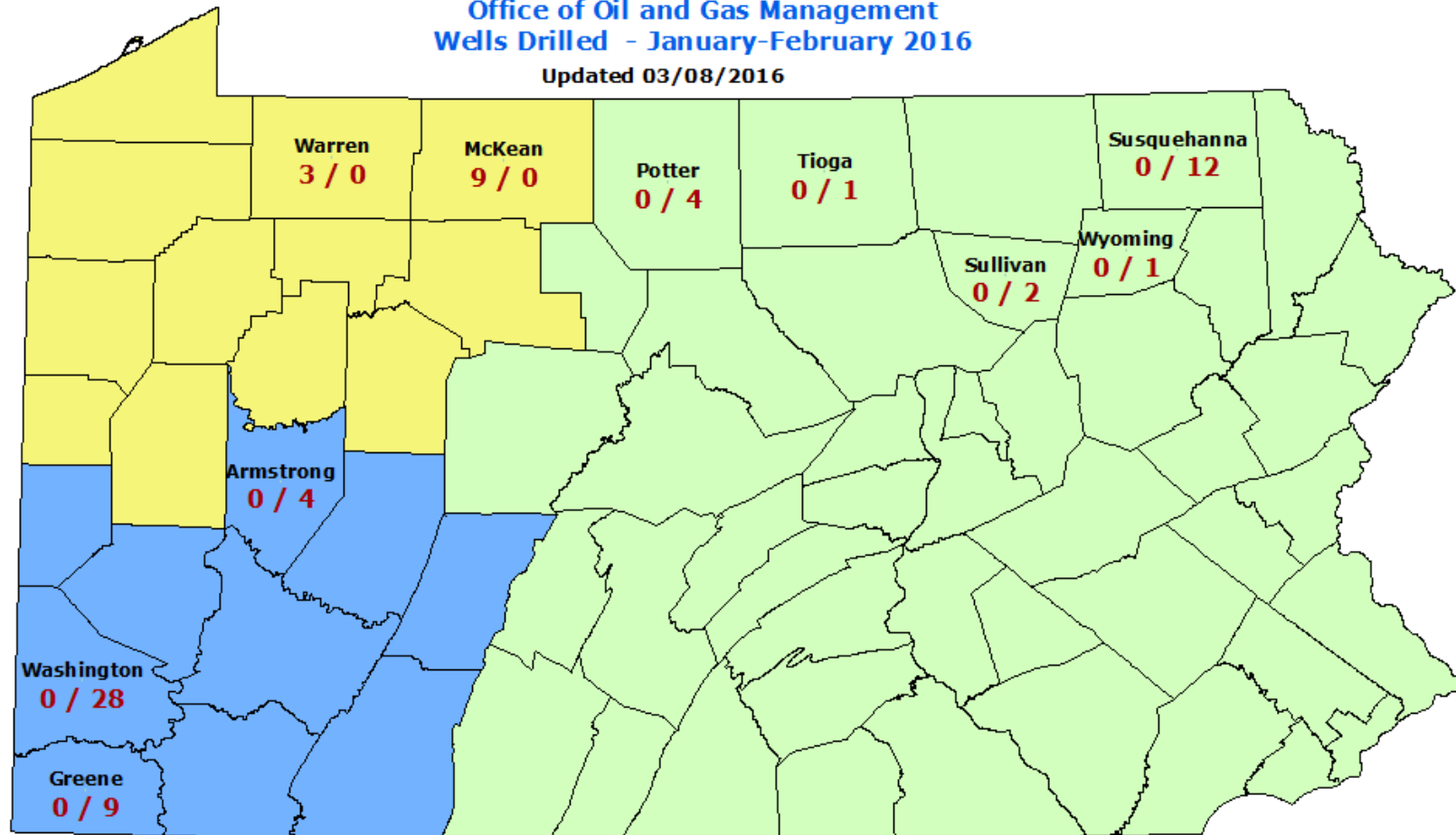
Updated 03/08/2012



Conventional - 29 + Unconventional - 284 = Total - 313

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-February 2016

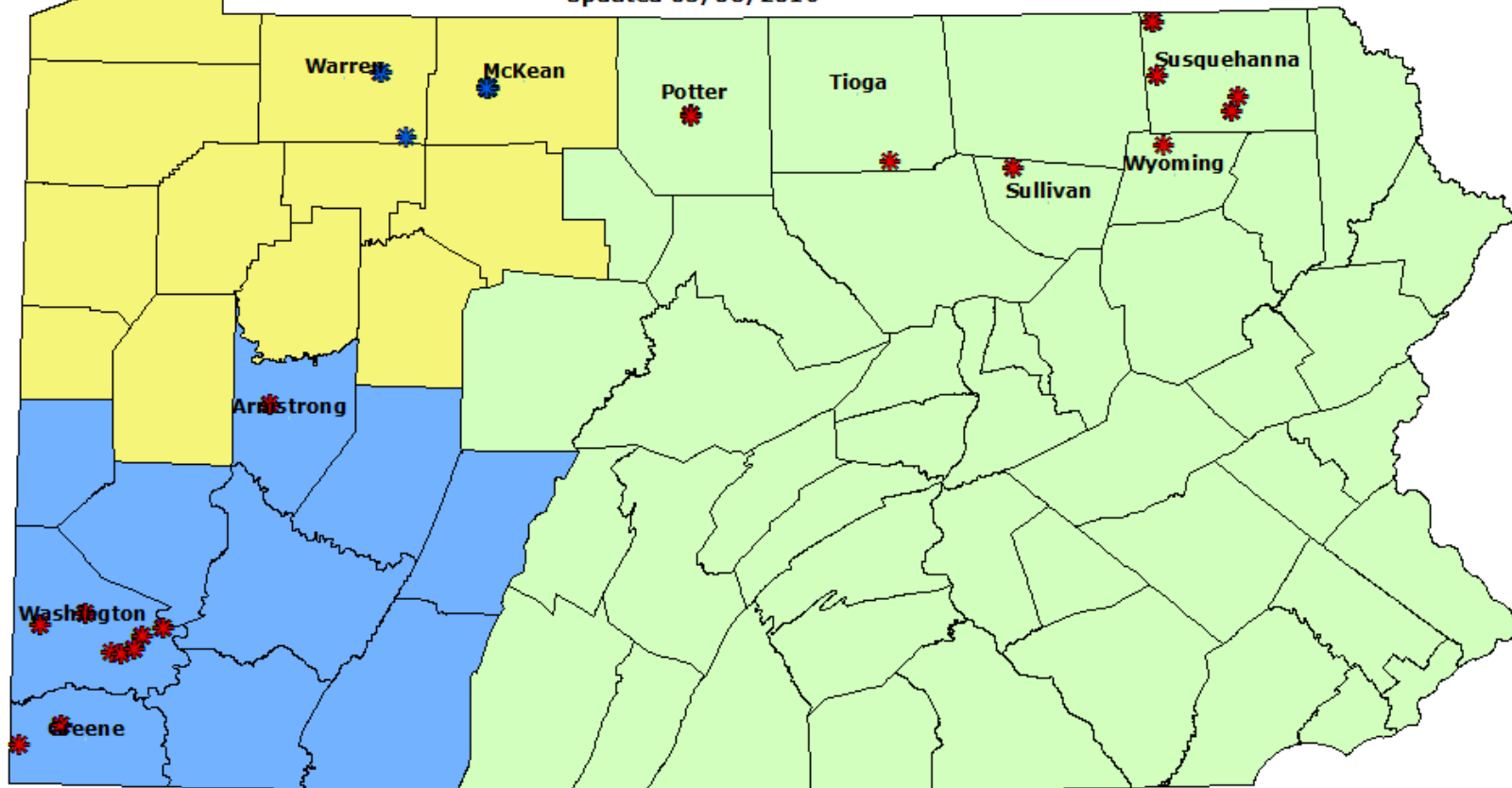
Updated 03/08/2016



(Conventional) - 12 + (Unconventional) - 61 = Total - 73

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - February 2016

Updated 03/08/2016

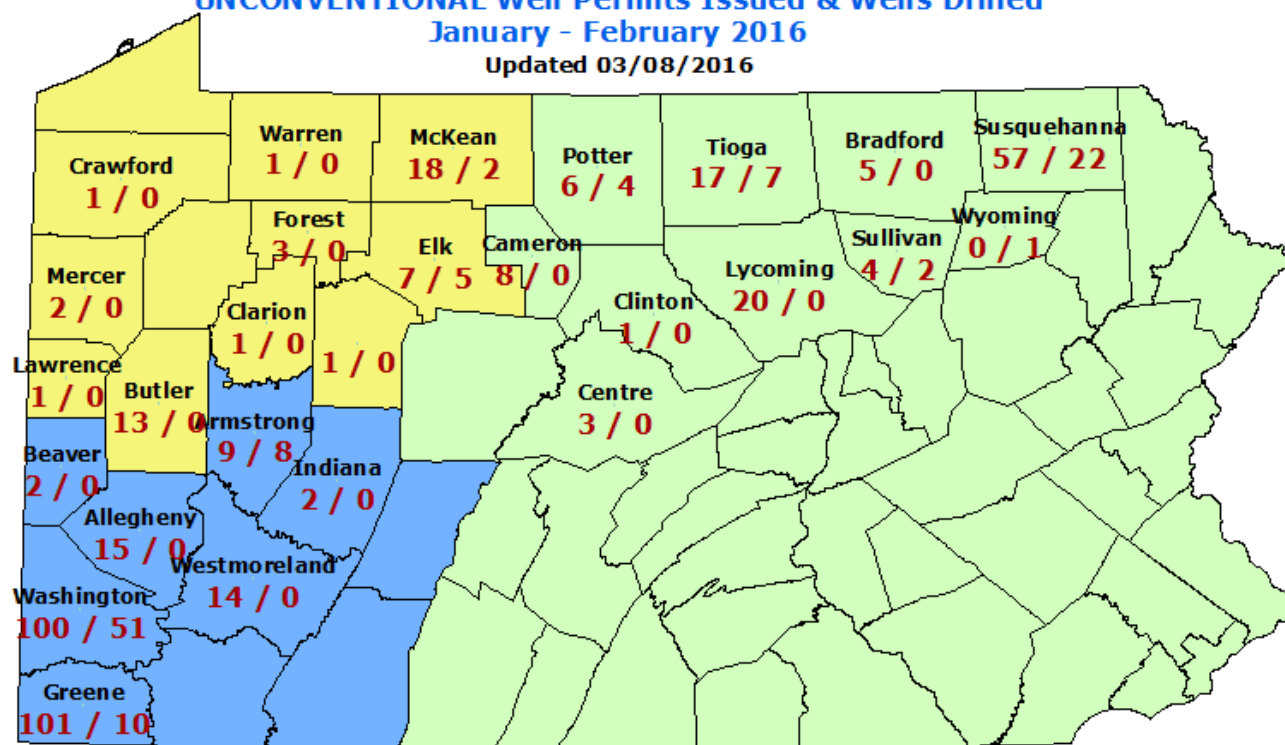


Conventional Wells

Unconventional Wells

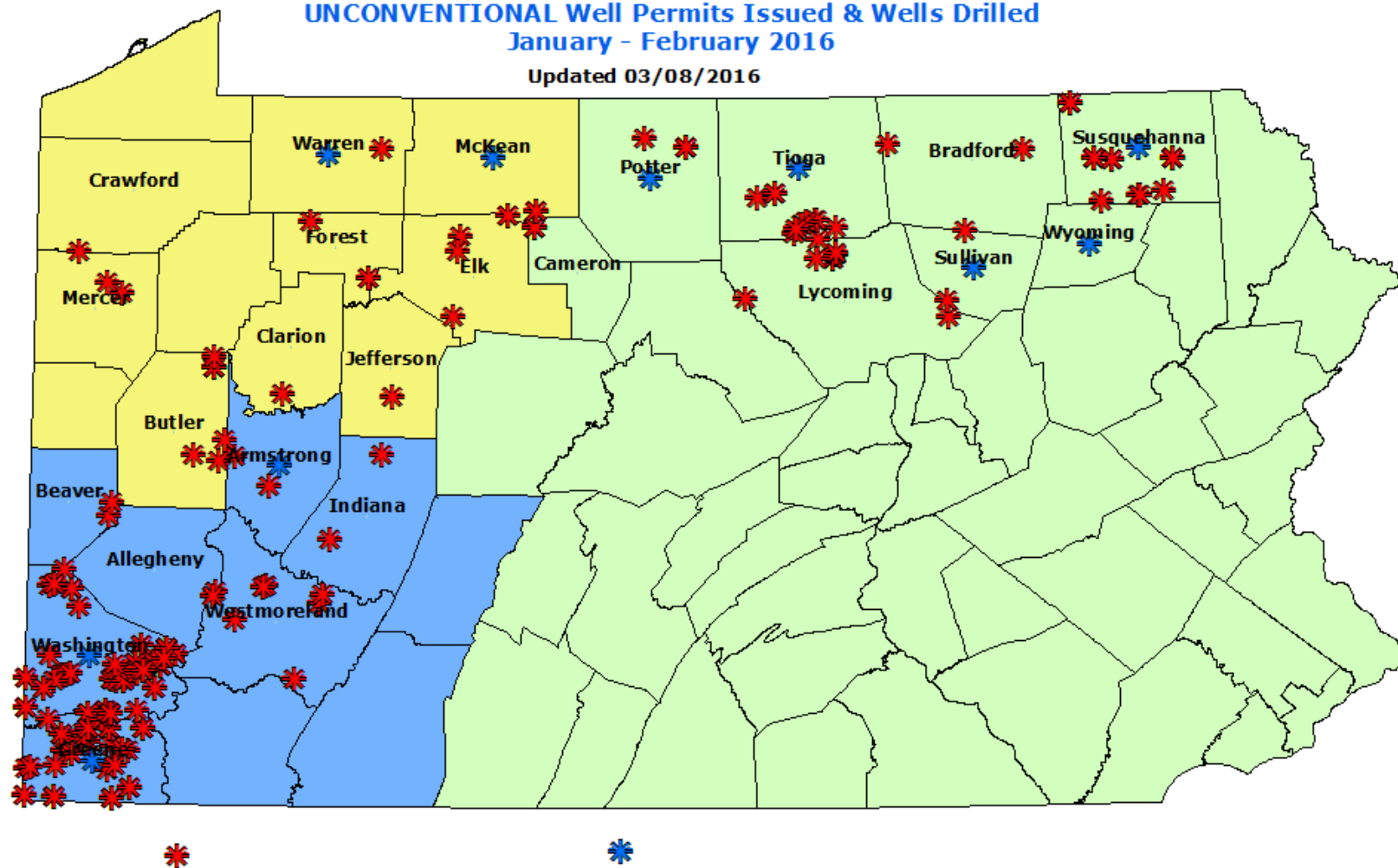
$$(\text{Conventional}) - 12 + (\text{Unconventional}) - 61 = \text{Total} - 73$$

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - February 2016
Updated 03/08/2016



Unconventional Permits Issued - 412 Unconventional Wells Drilled - 112

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - February 2016
Updated 03/08/2016



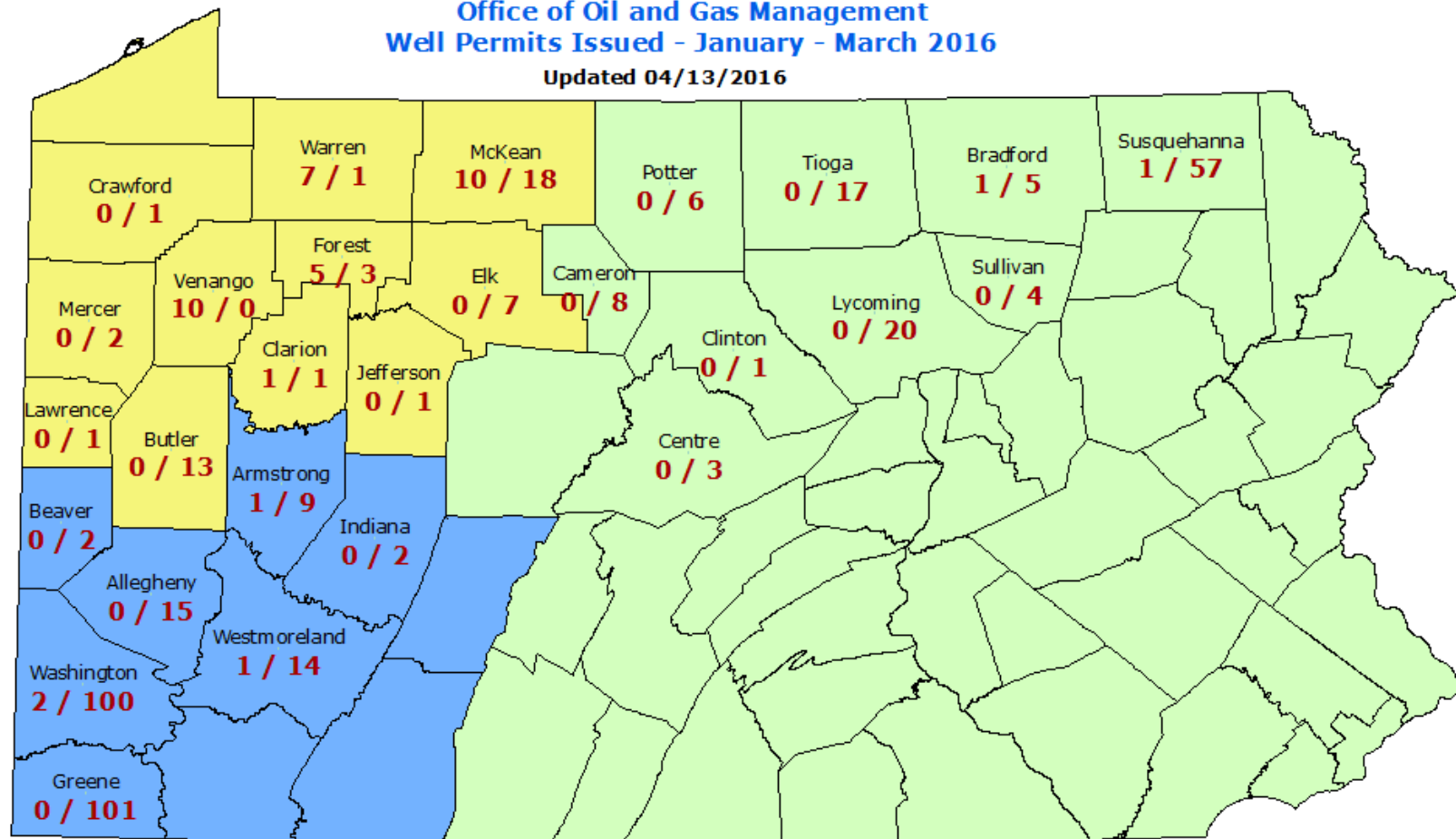
Unconventional Permits Issued - 284



Unconventional Wells Drilled - 61

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - March 2016

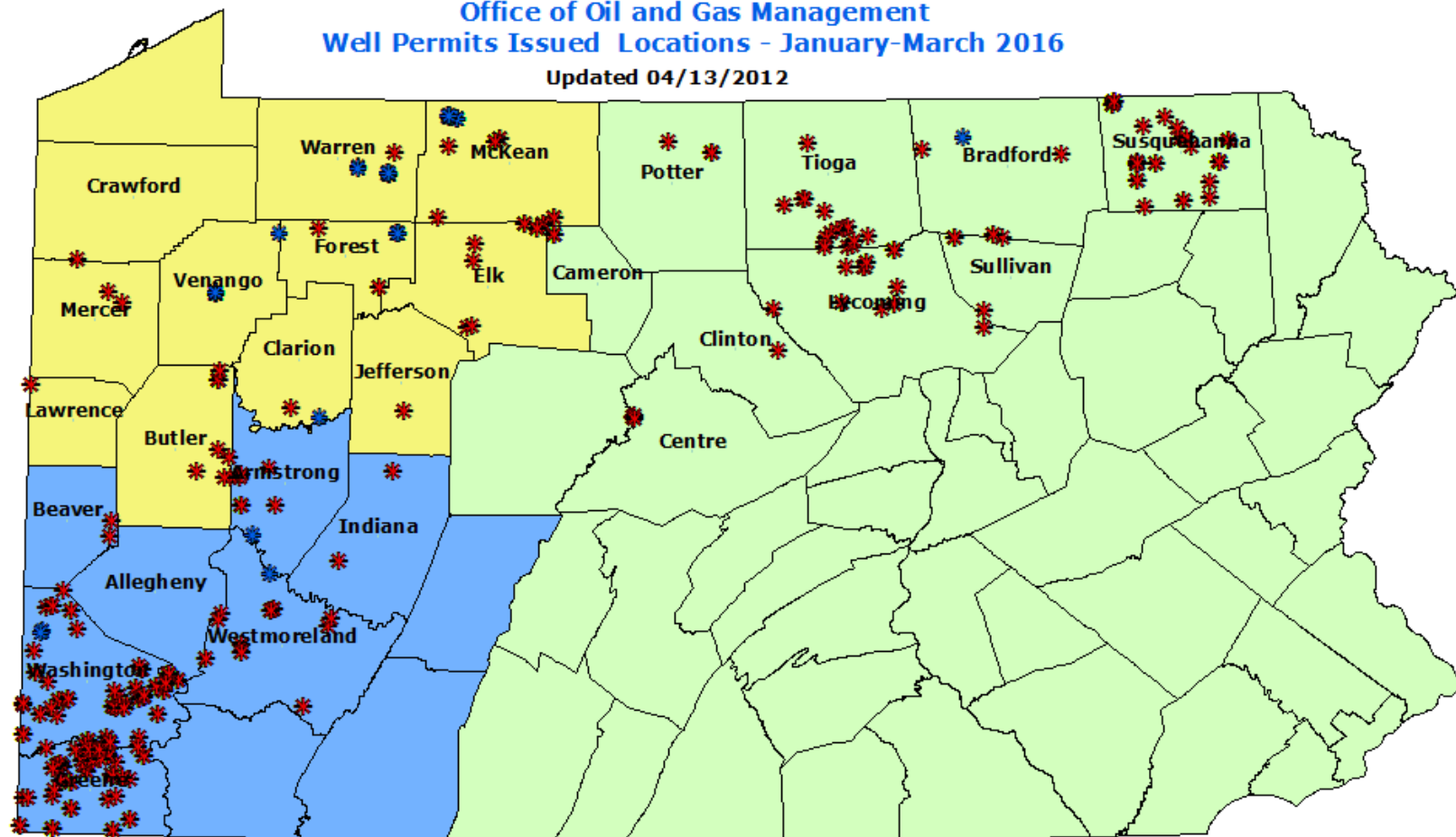
Updated 04/13/2016



Conventional - 39 + Unconventional - 412 = Total - 451

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January-March 2016

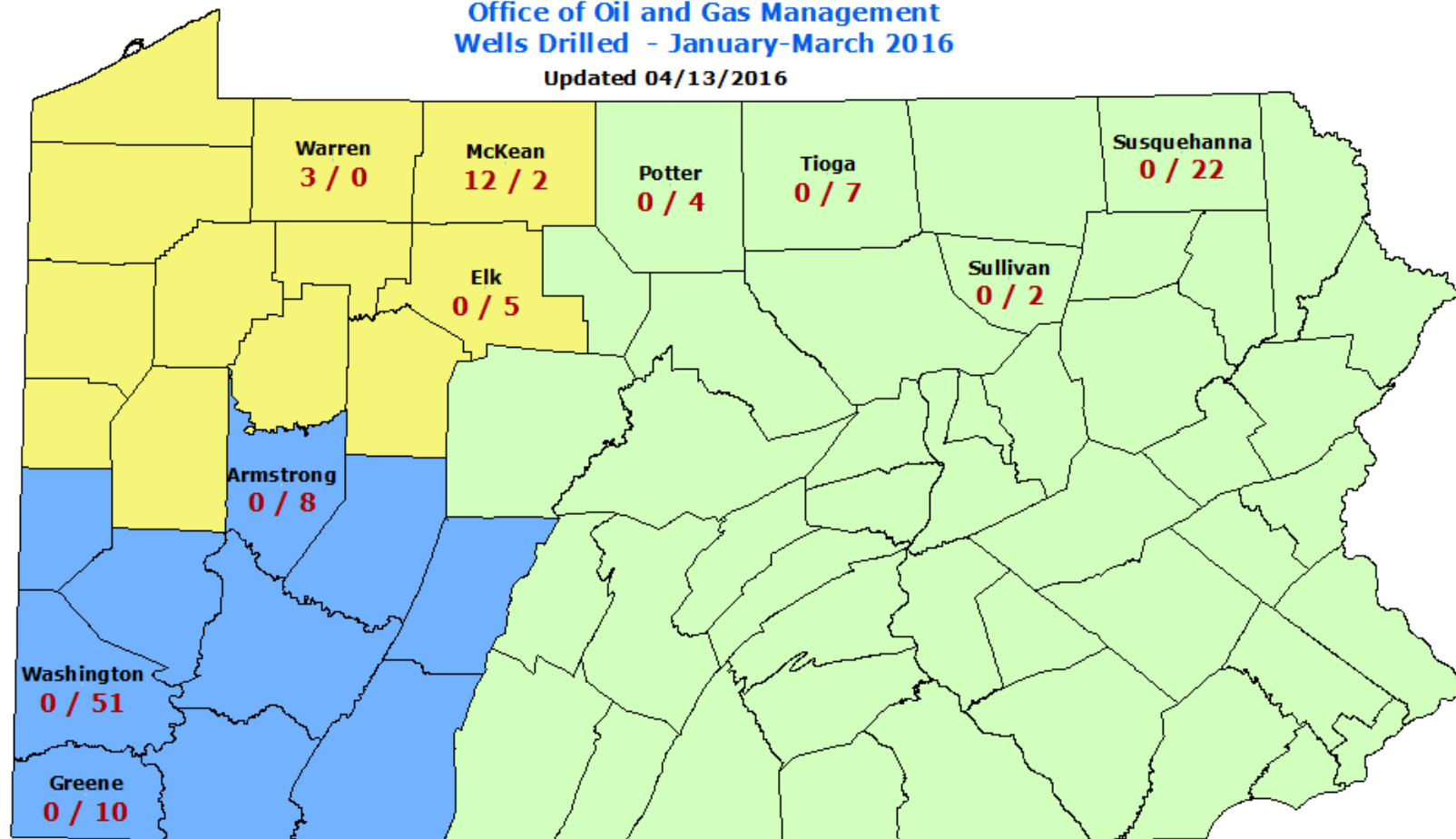
Updated 04/13/2012



Conventional - 39 + Unconventional - 412 = Total - 451

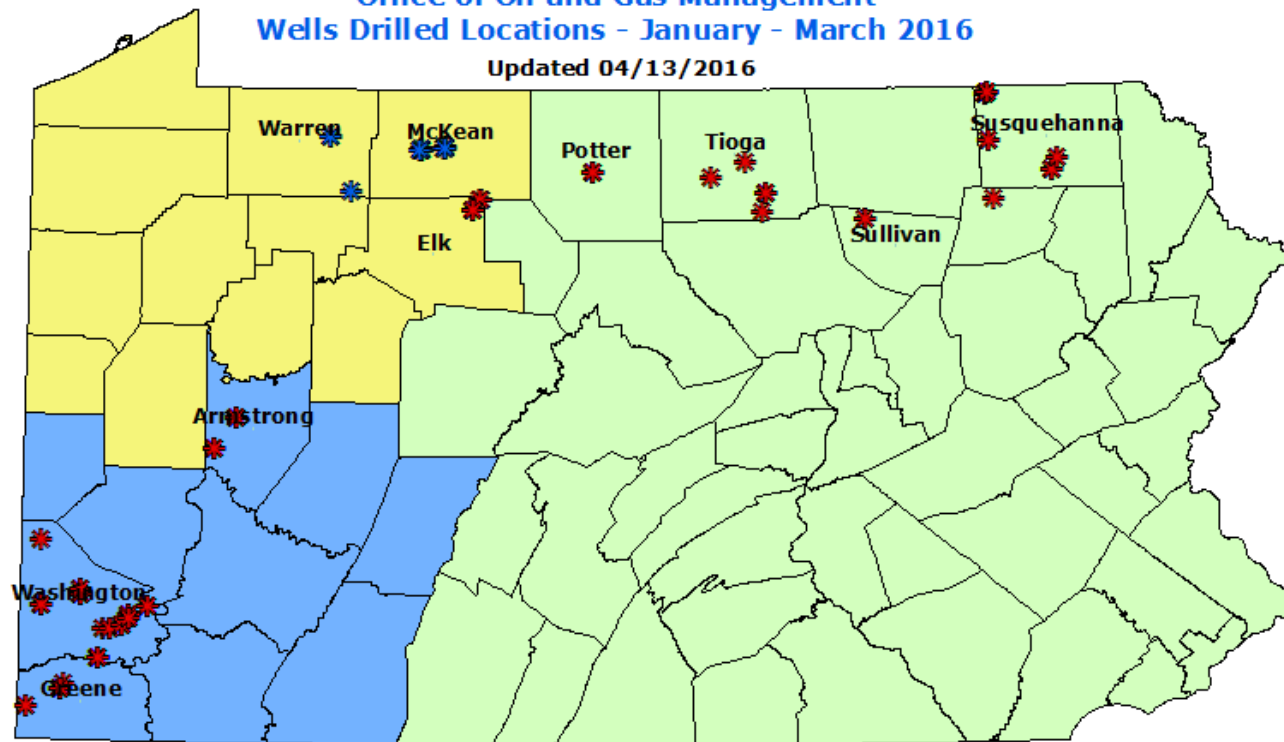
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-March 2016

Updated 04/13/2016



(Conventional) - 15 + (Unconventional) - 112 = Total - 127

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - March 2016
Updated 04/13/2016

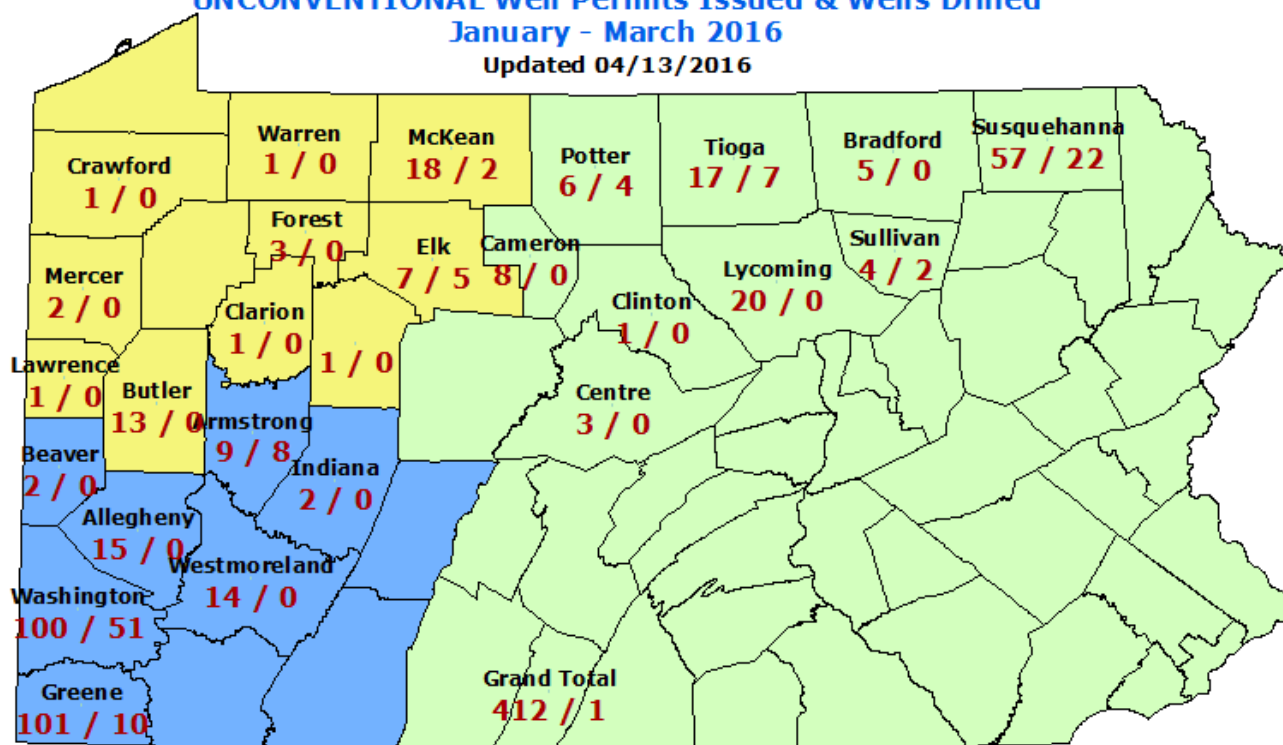


* Conventional Wells

* Unconventional Wells

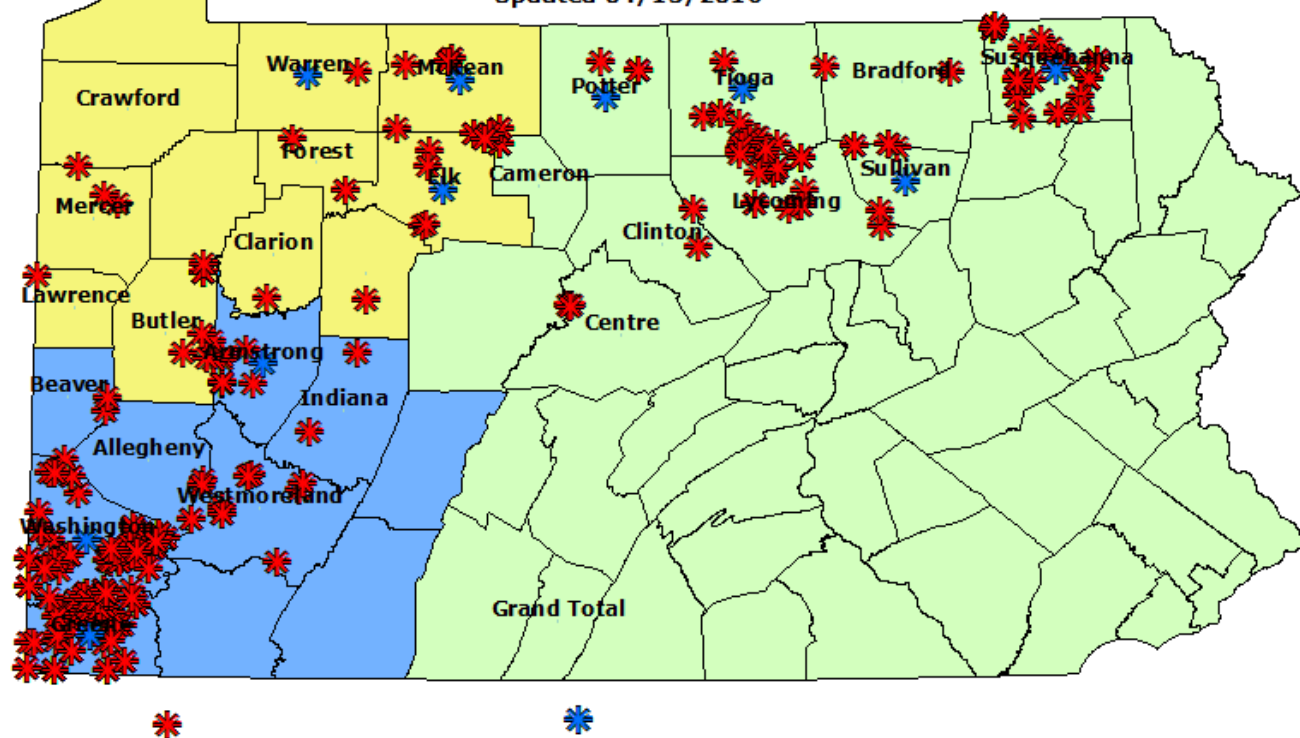
(Conventional) - 15 + (Unconventional) - 112 = Total - 127

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - March 2016
Updated 04/13/2016



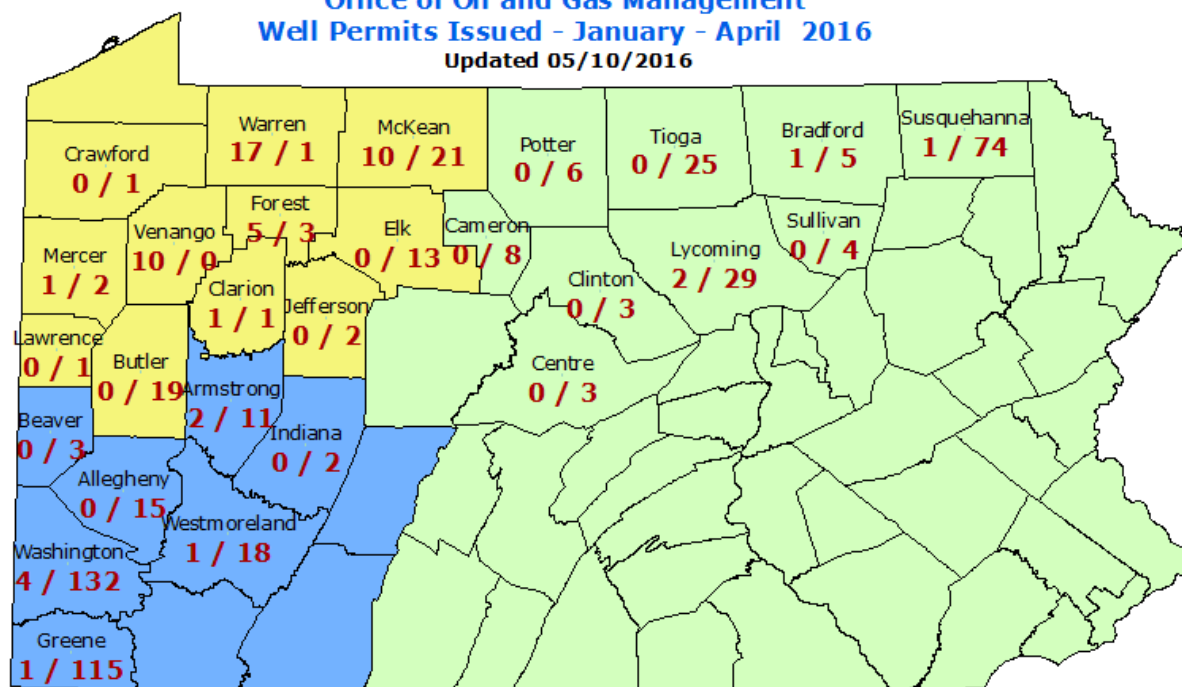
Unconventional Permits Issued - 412 Unconventional Wells Drilled - 112

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - March 2016
Updated 04/13/2016



Unconventional Permits Issued - 412 Unconventional Wells Drilled - 112

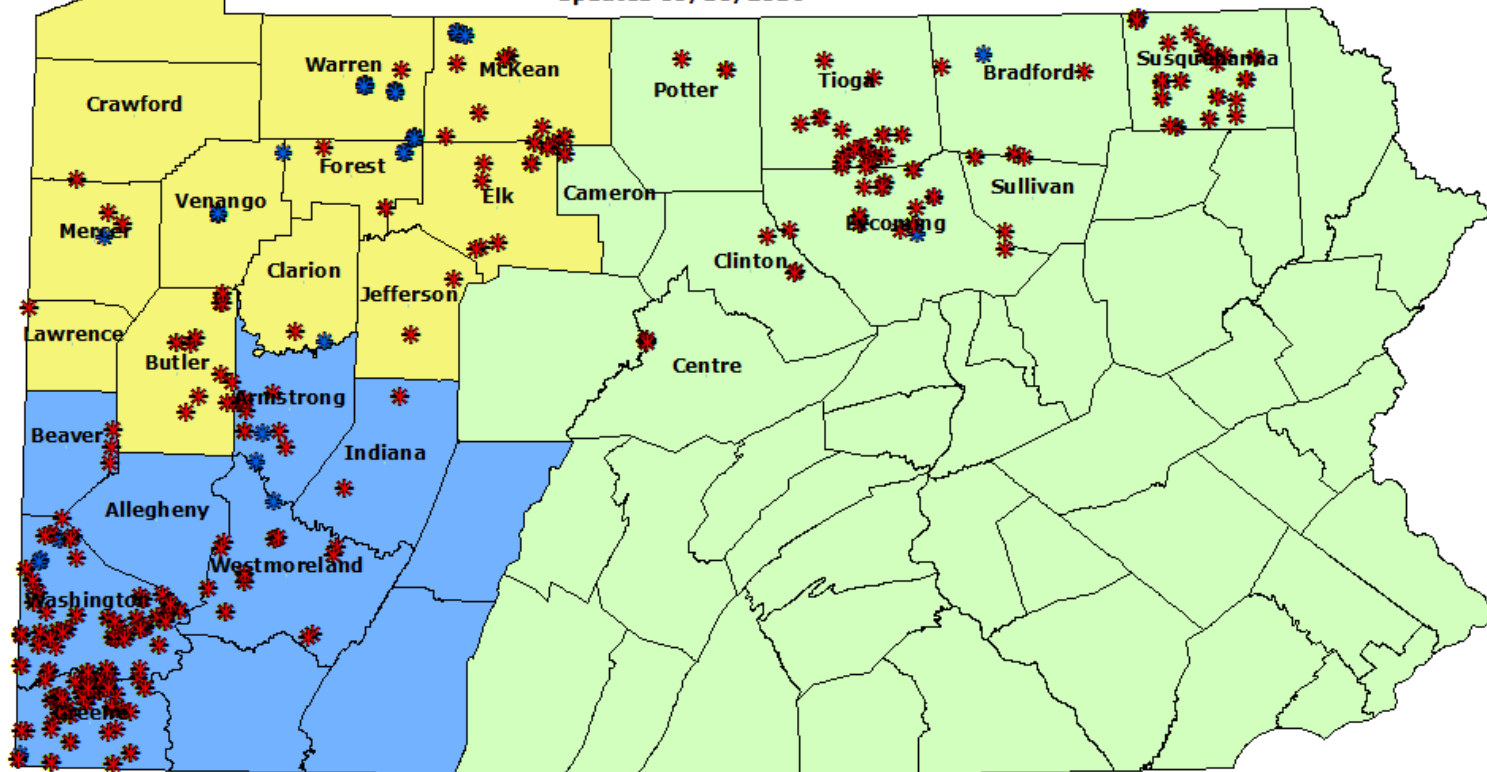
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - April 2016
Updated 05/10/2016



Conventional - 56 + Unconventional - 517 = Total - 573

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January-April 2016

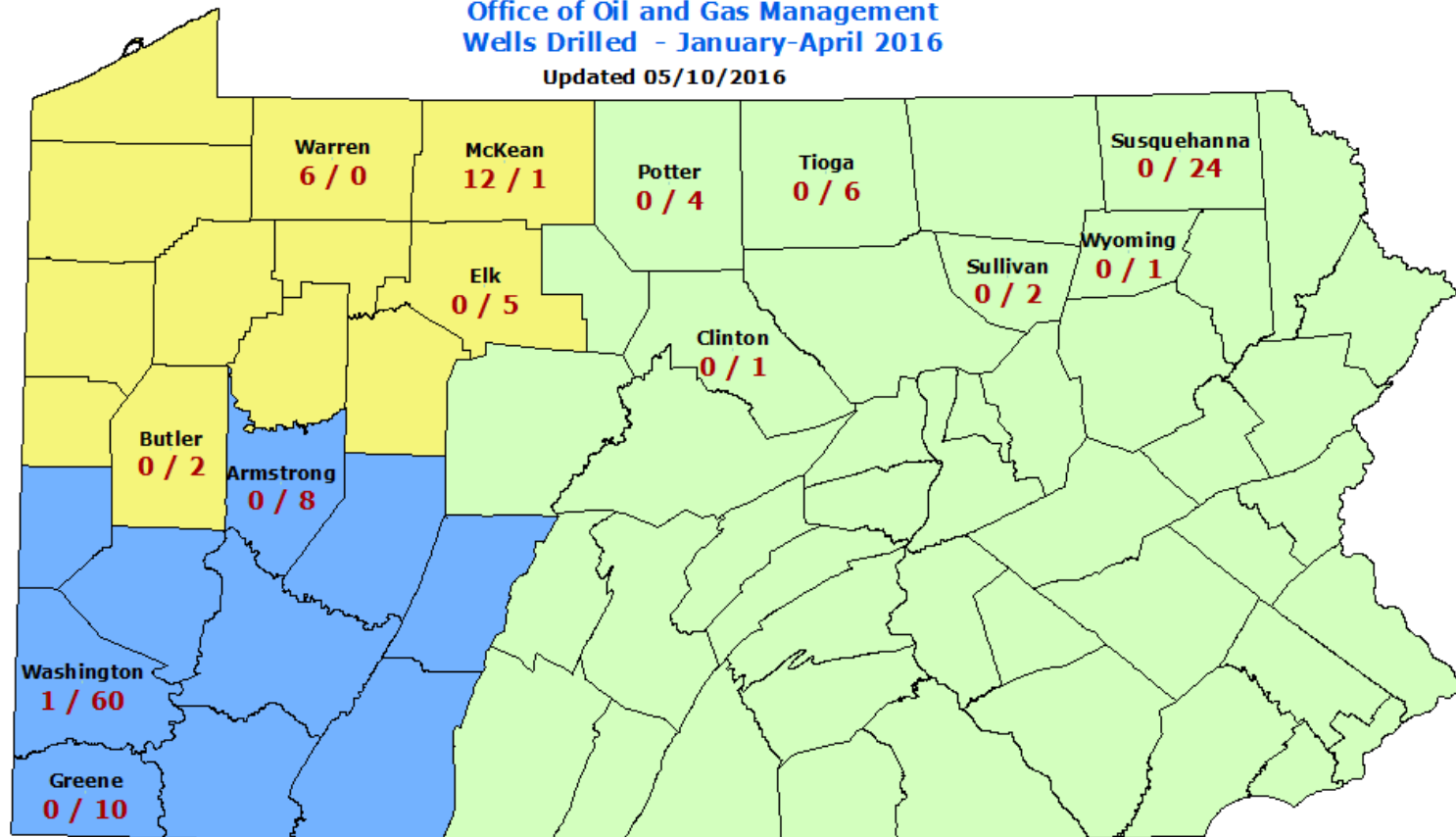
Updated 05/10/2016



Conventional - 56 + Unconventional - 517 = Total - 573

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-April 2016

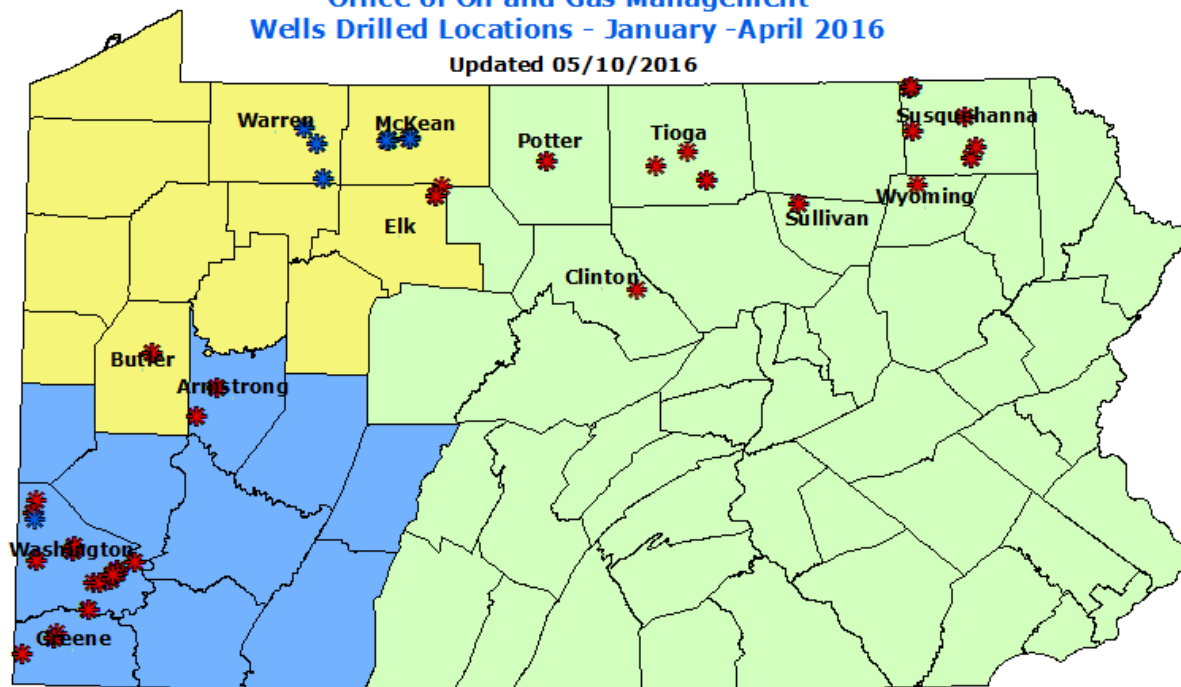
Updated 05/10/2016



(Conventional) - 19 + (Unconventional) - 124 = Total - 143

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January -April 2016

Updated 05/10/2016

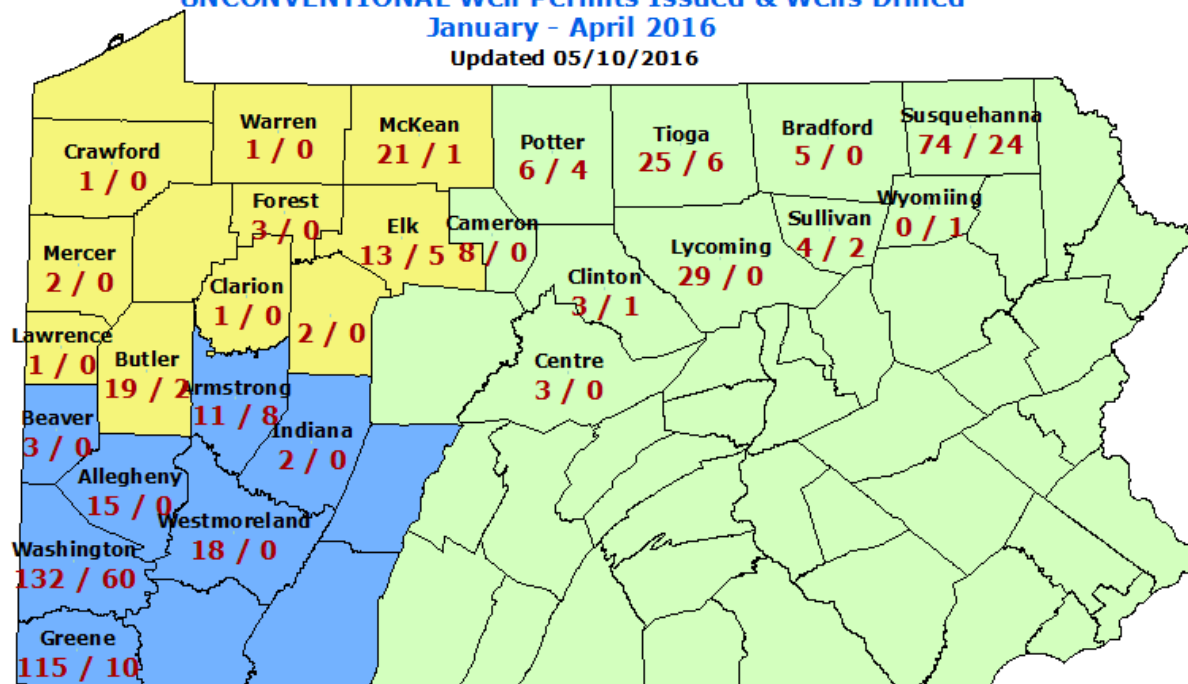


* Conventional Wells

* Unconventional Wells

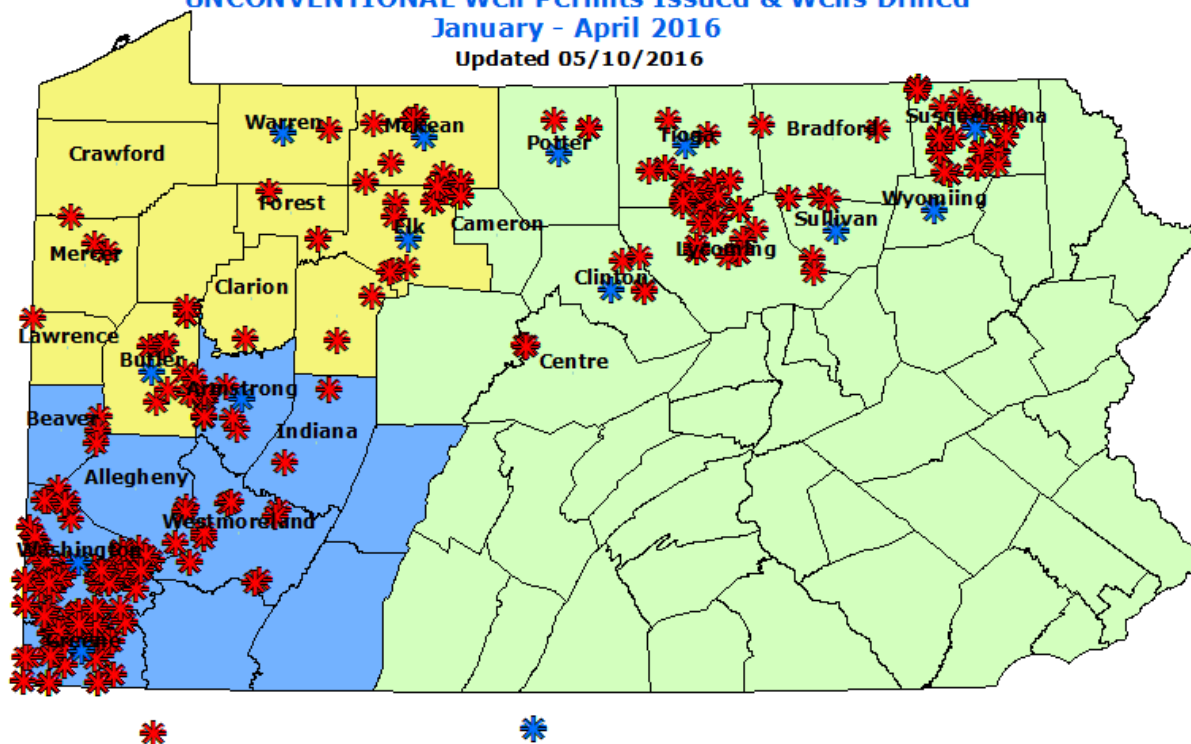
(Conventional) - 19 + (Unconventional) - 124 = Total - 143

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - April 2016
Updated 05/10/2016



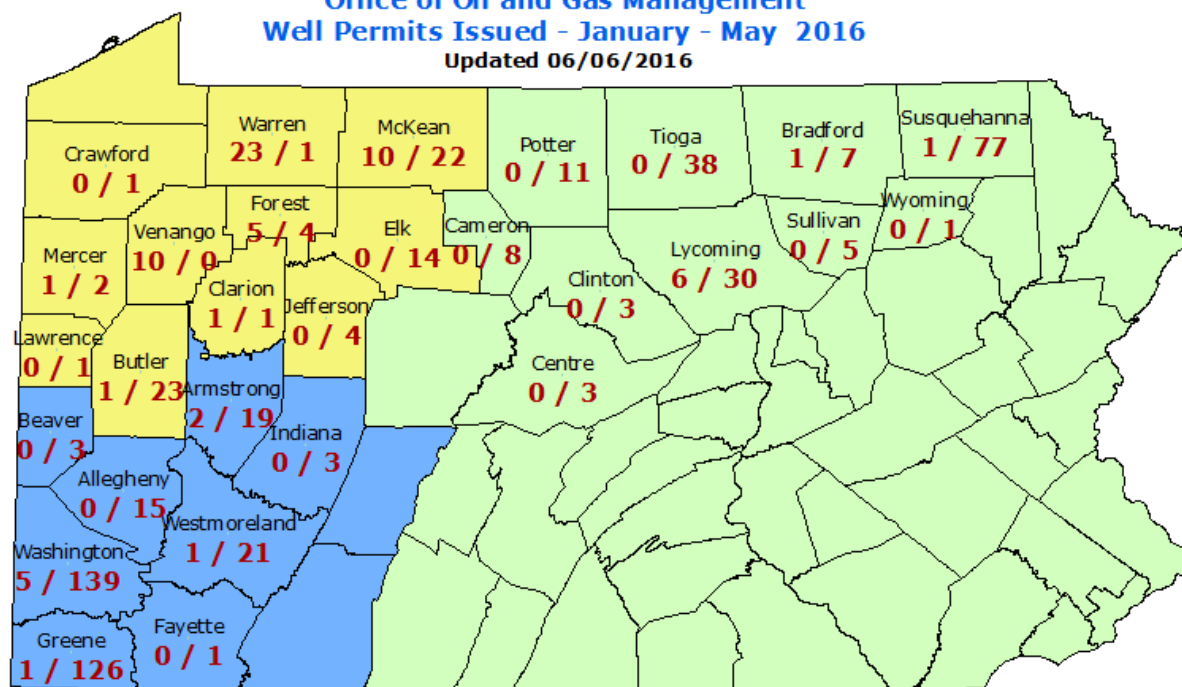
Unconventional Permits Issued - 517 Unconventional Wells Drilled - 124

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - April 2016
Updated 05/10/2016



Unconventional Permits Issued - 517 Unconventional Wells Drilled - 124

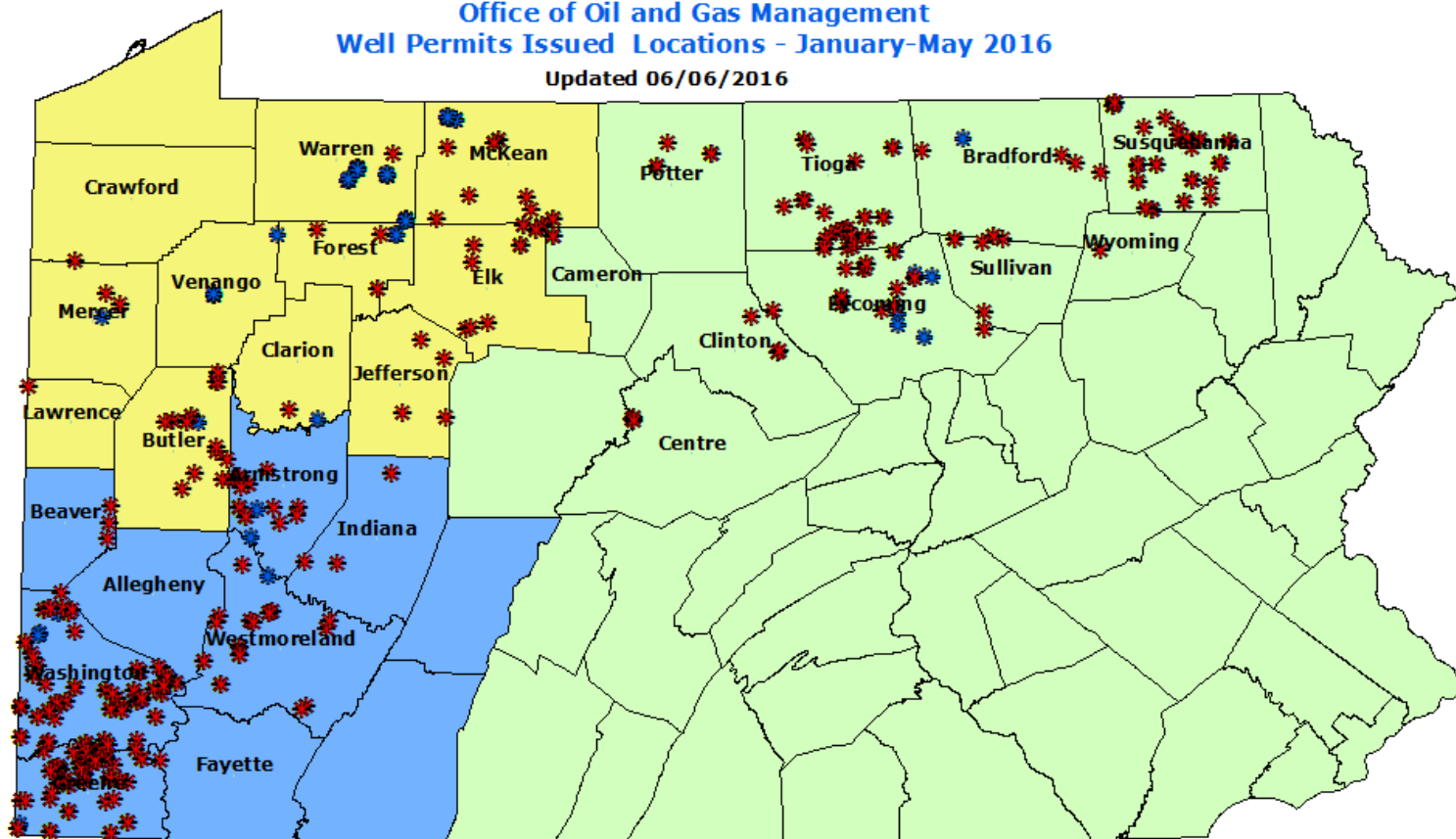
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - May 2016
Updated 06/06/2016



Conventional - 68 + Unconventional - 583 = Total - 651

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January-May 2016

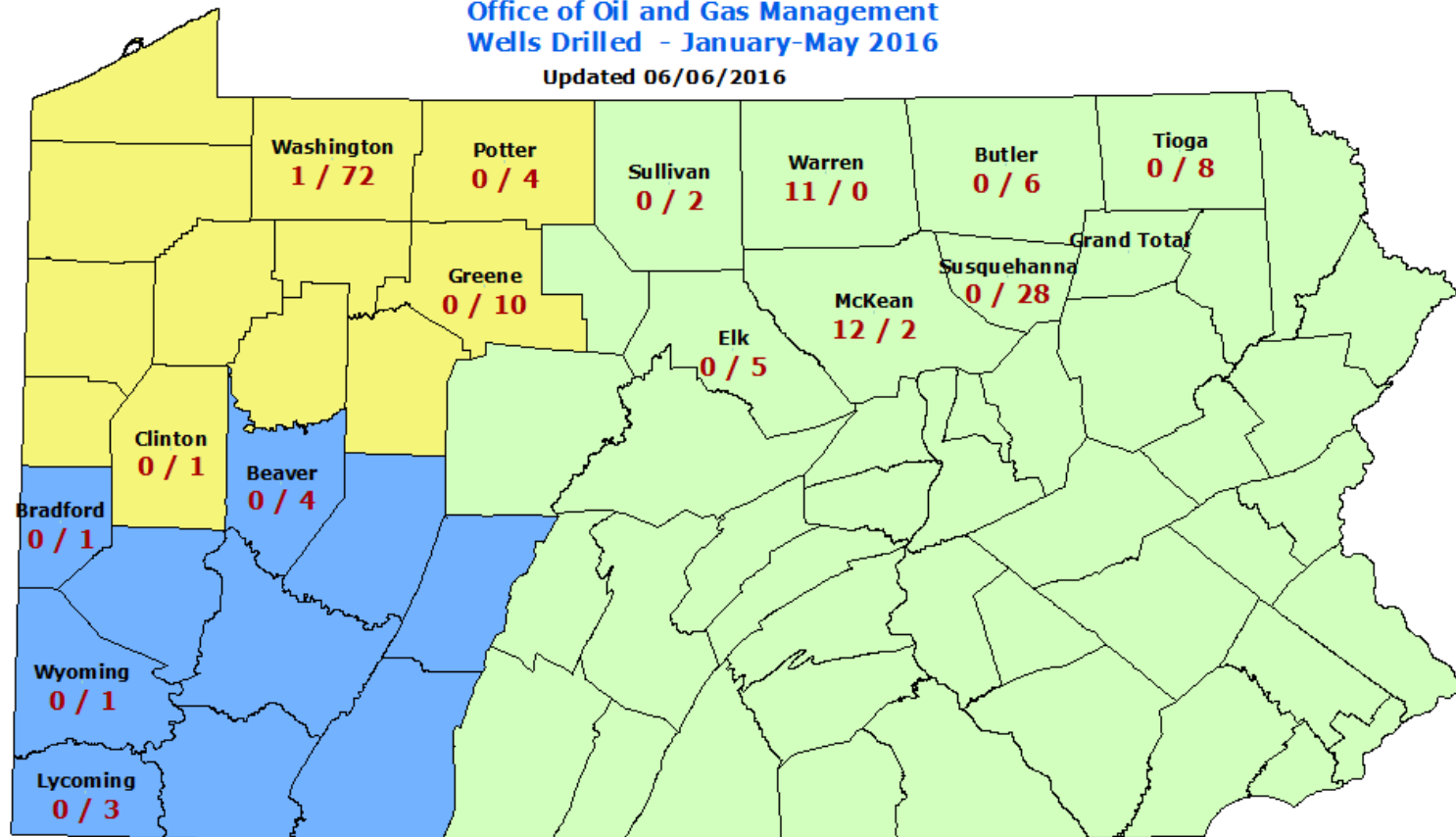
Updated 06/06/2016



Conventional - 68 + Unconventional - 583 = Total - 651

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-May 2016

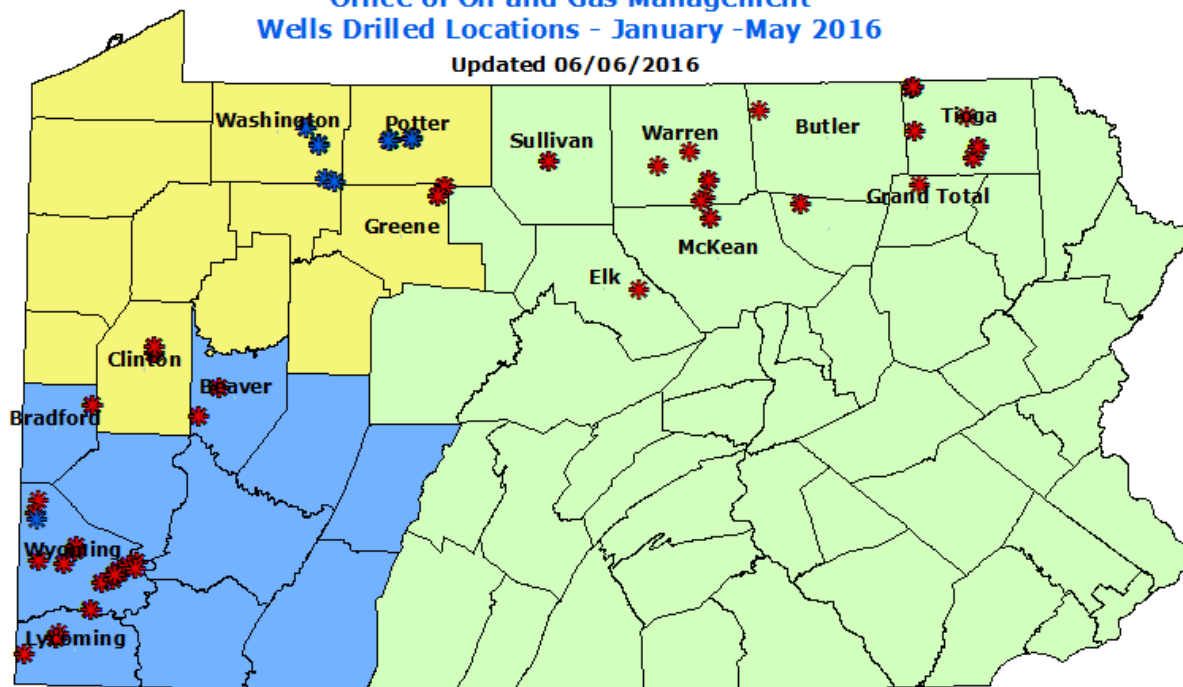
Updated 06/06/2016



(Conventional) - 24 + (Unconventional) - 155 = Total - 179

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - May 2016

Updated 06/06/2016

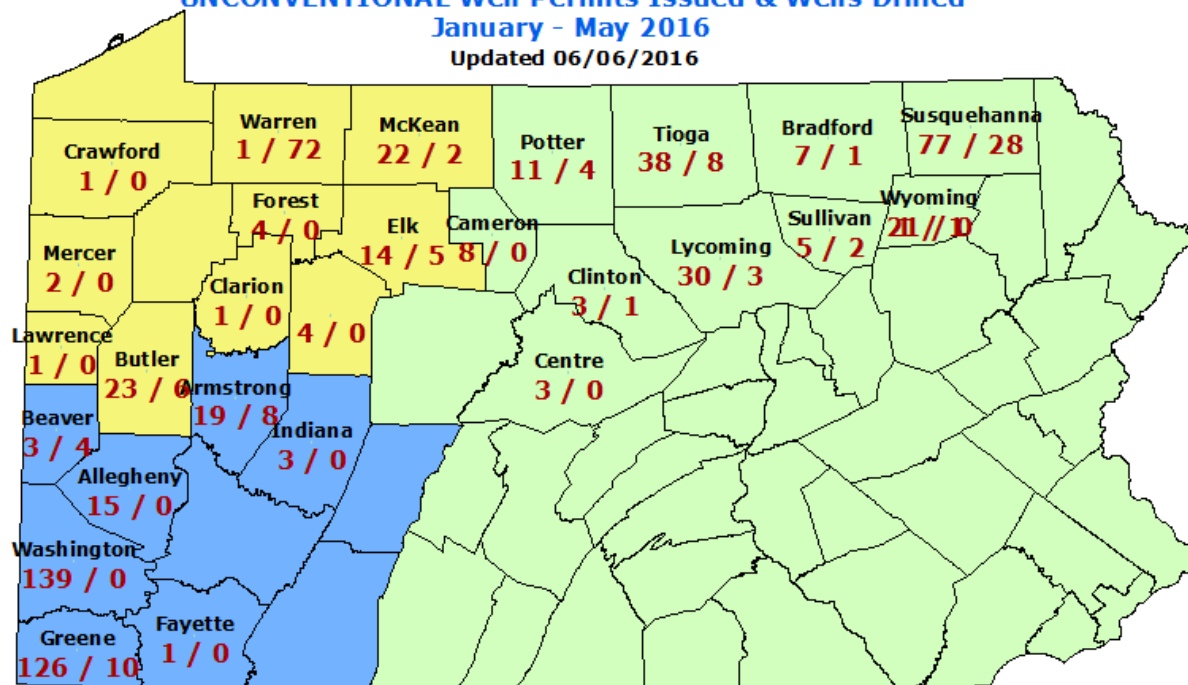


* Conventional Wells

* Unconventional Wells

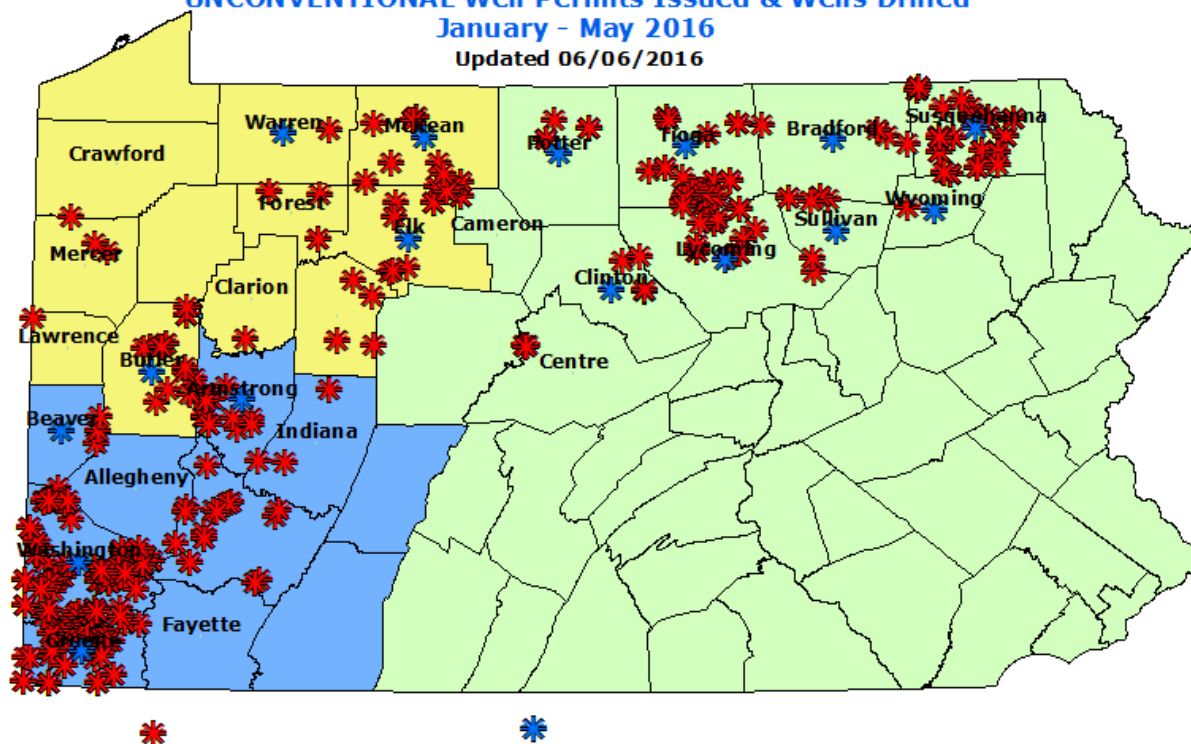
(Conventional) - 24 + (Unconventional) - 155 = Total - 179

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - May 2016
Updated 06/06/2016

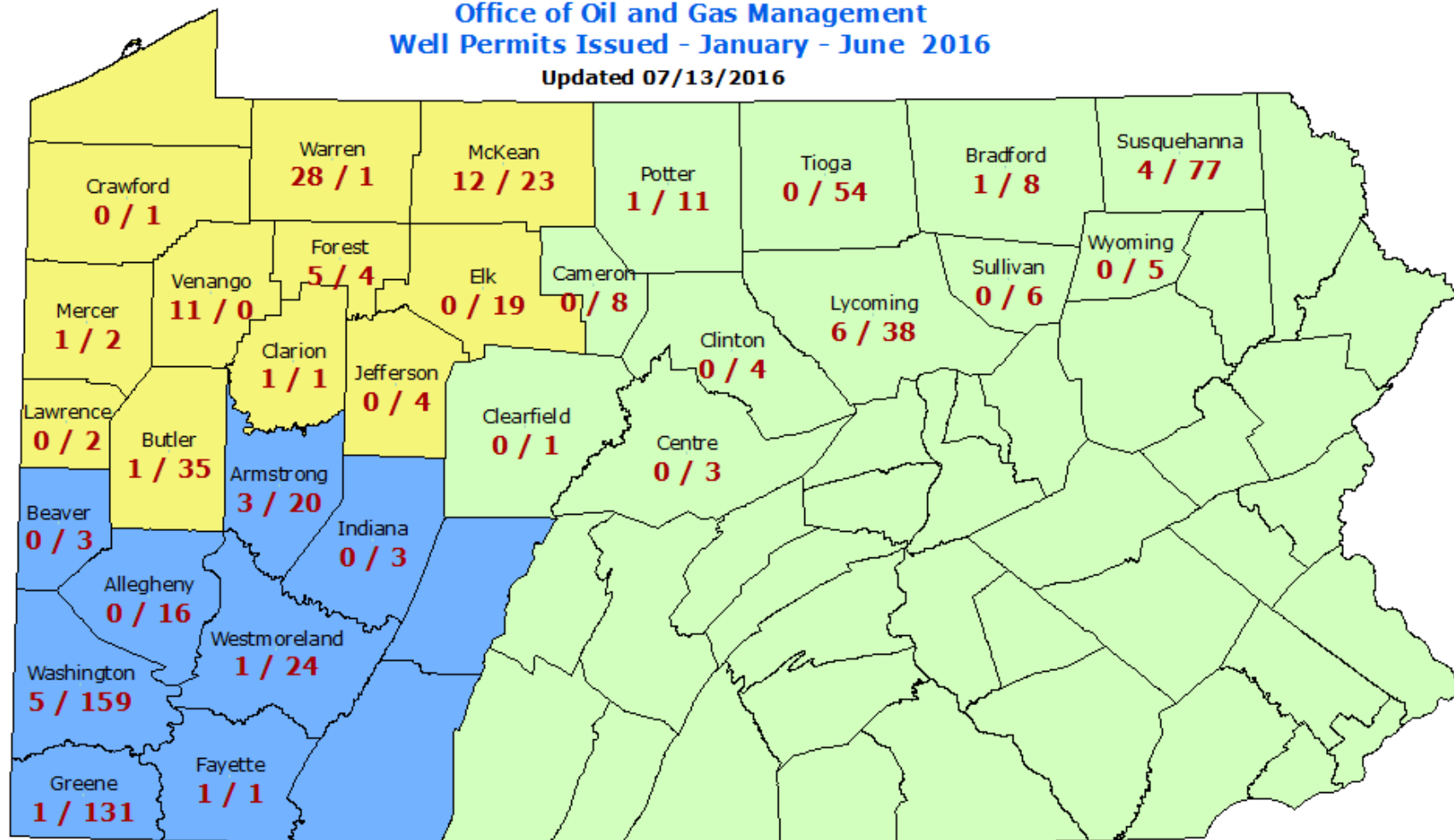


Unconventional Permits Issued - 583 Unconventional Wells Drilled - 155

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - May 2016
Updated 06/06/2016



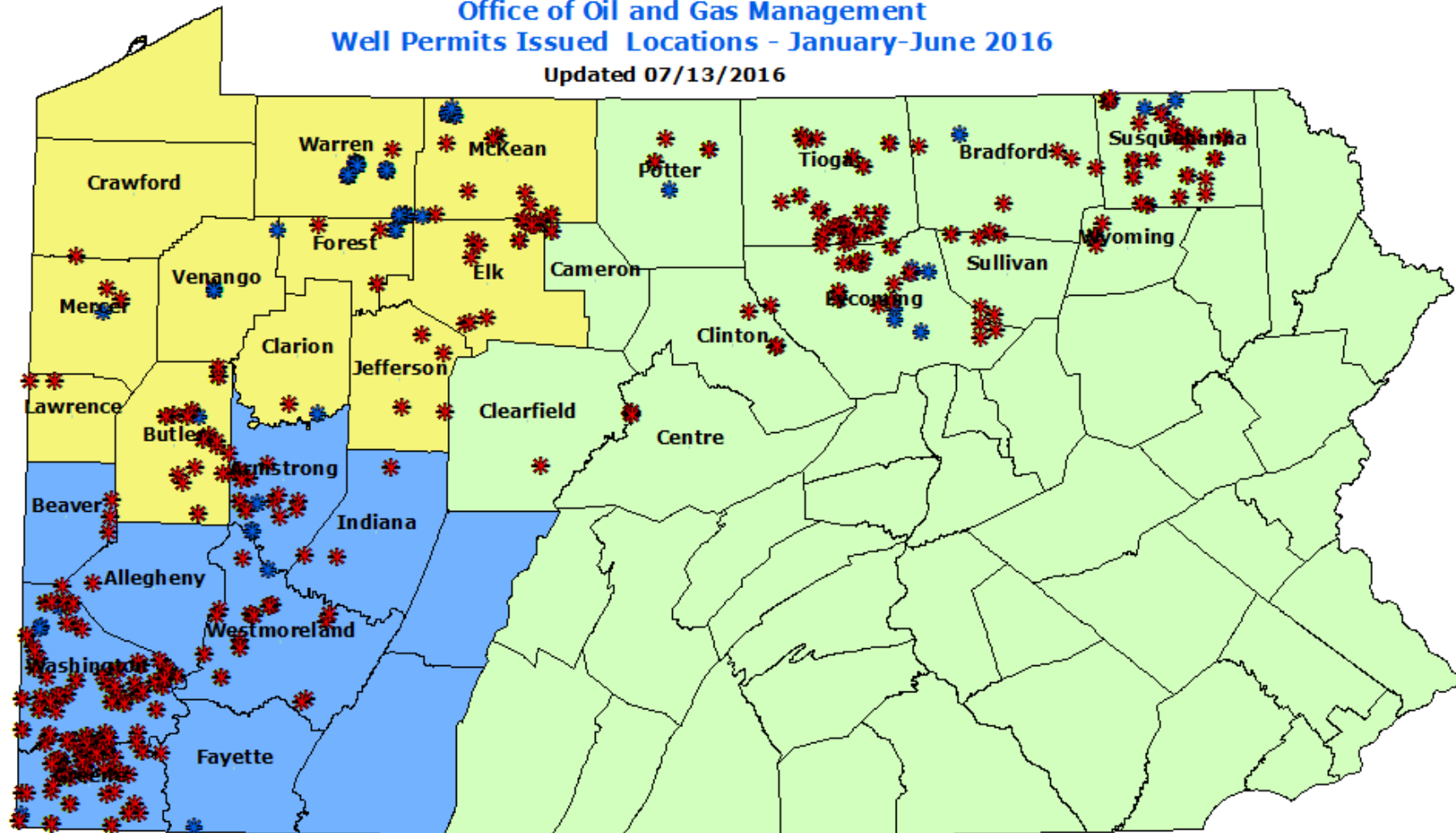
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - June 2016
Updated 07/13/2016



Conventional - 82 + Unconventional - 664 = Total - 746

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January-June 2016

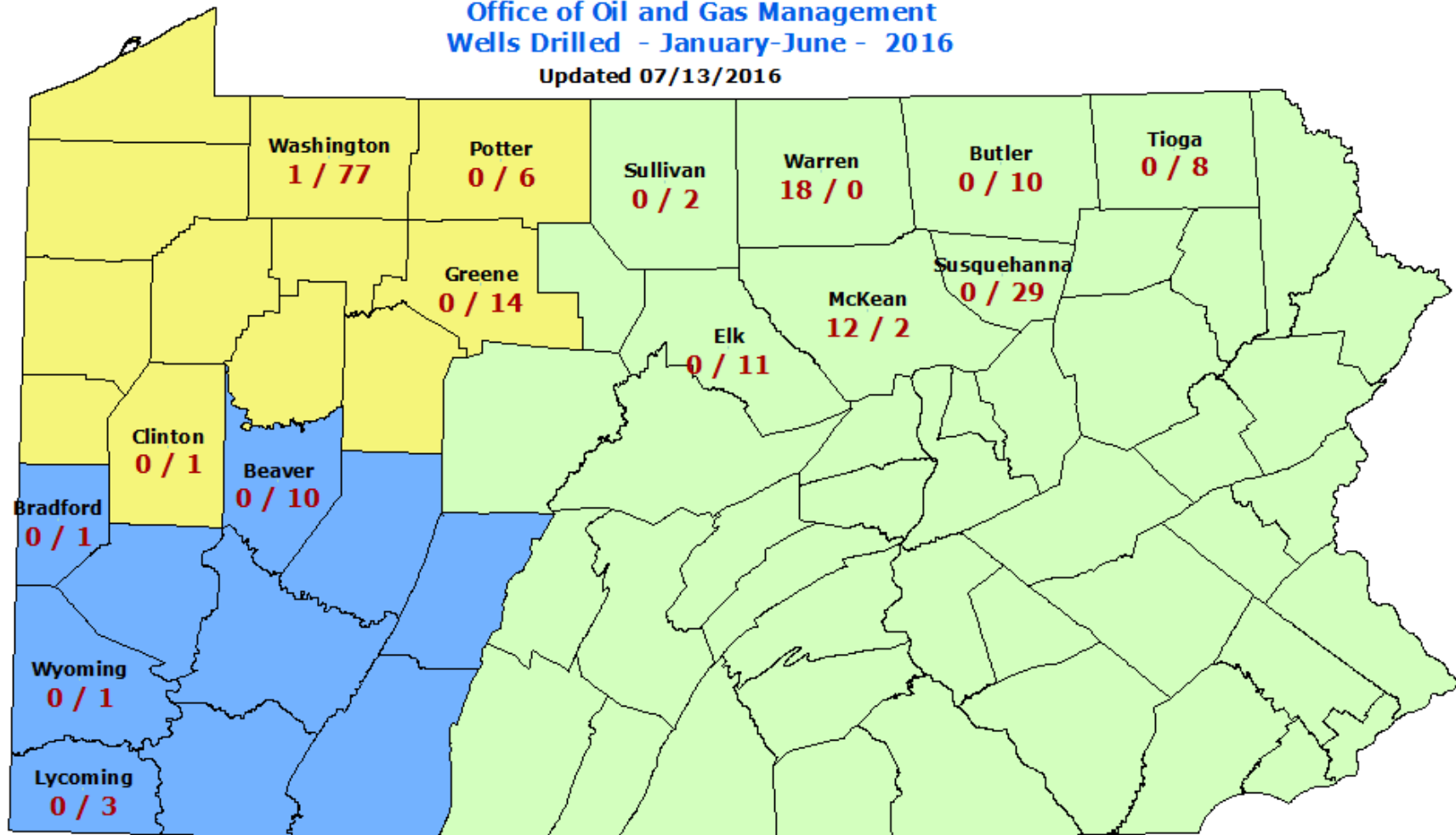
Updated 07/13/2016



Conventional - 82 + Unconventional - 664 = Total - 746

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-June - 2016

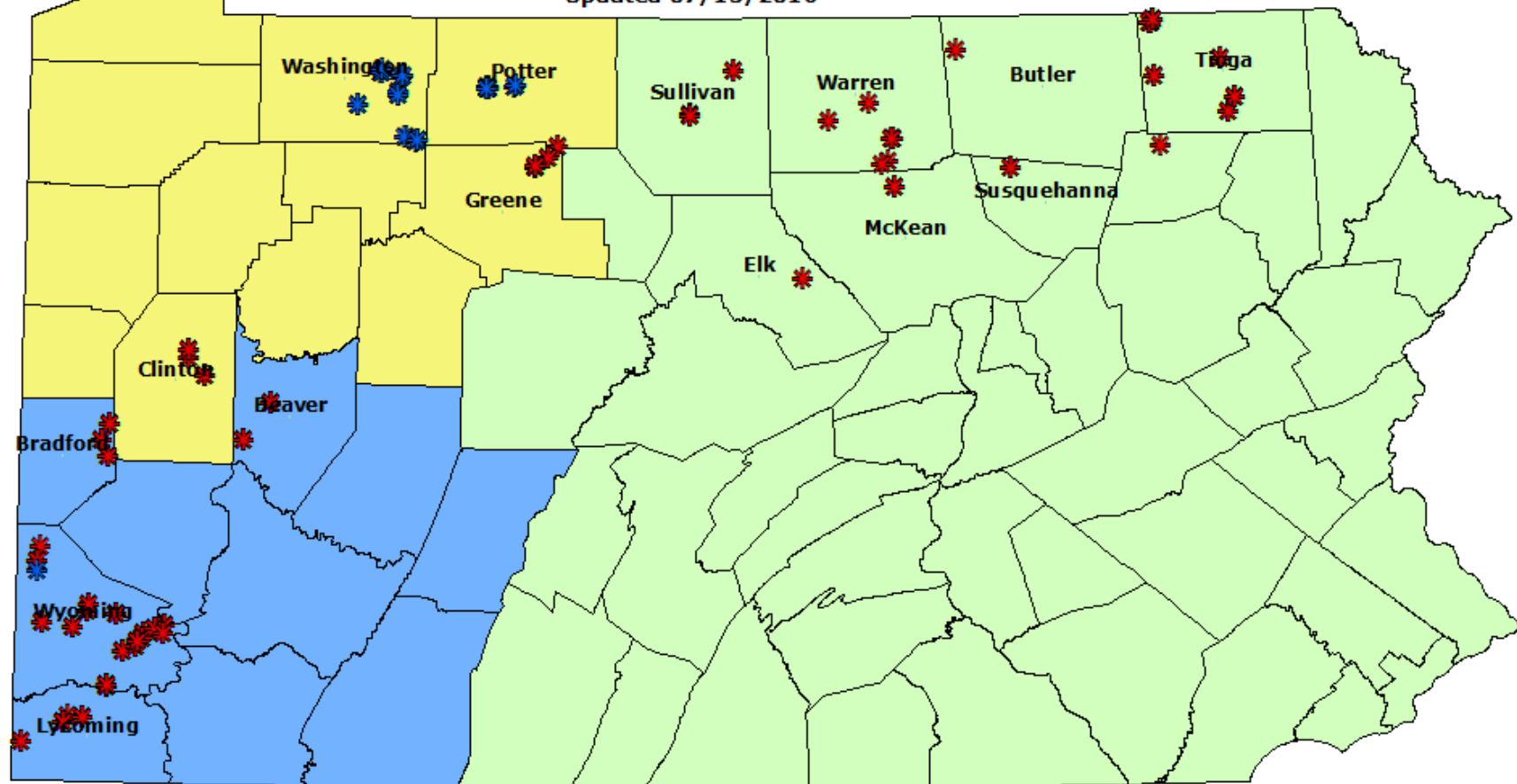
Updated 07/13/2016



(Conventional) - 31 + (Unconventional) - 183 = Total - 214

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - June 2016

Updated 07/13/2016



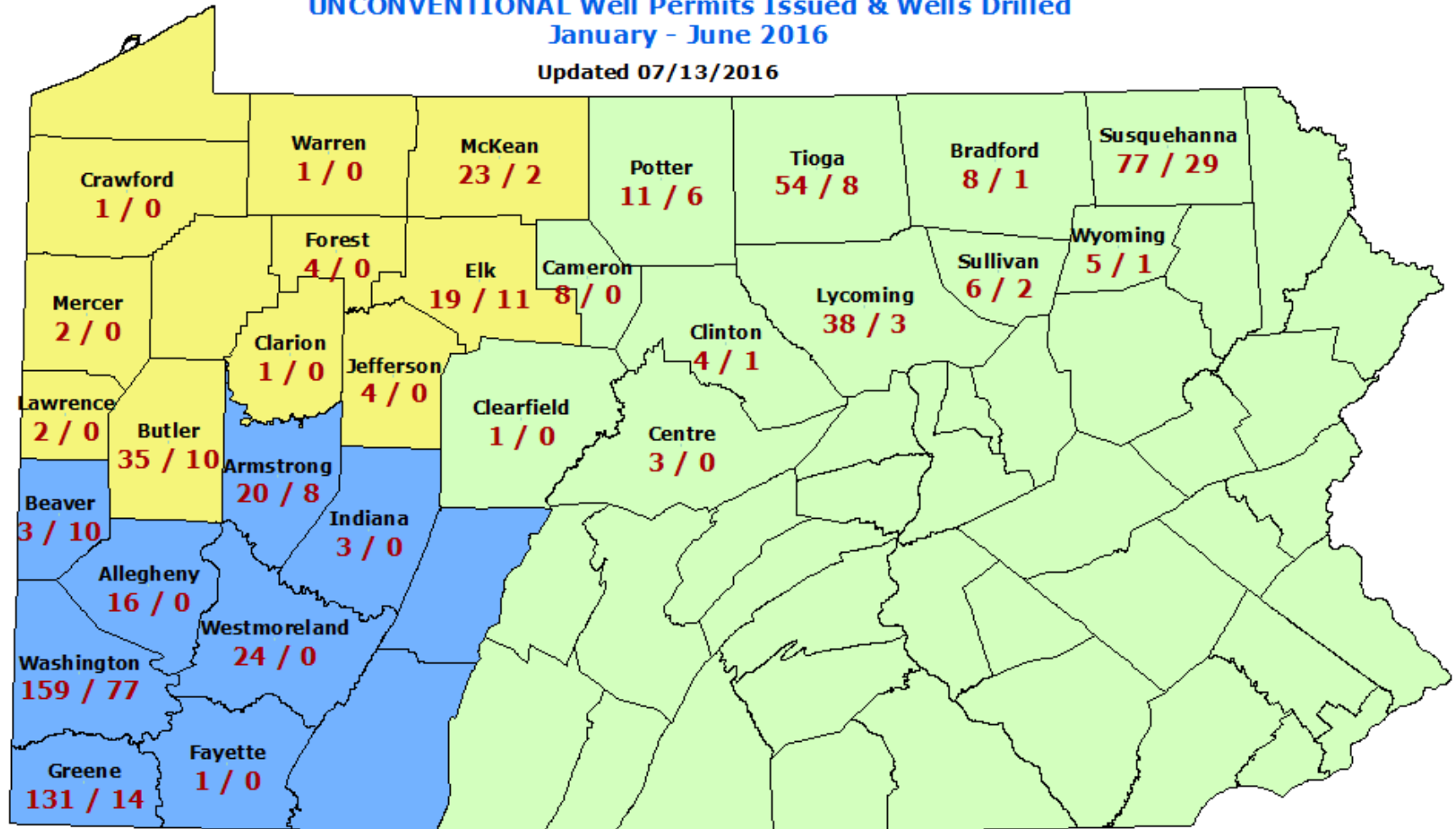
* Conventional Wells

* Unconventional Wells

(Conventional) - 31 + (Unconventional) - 183 = Total - 214

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - June 2016

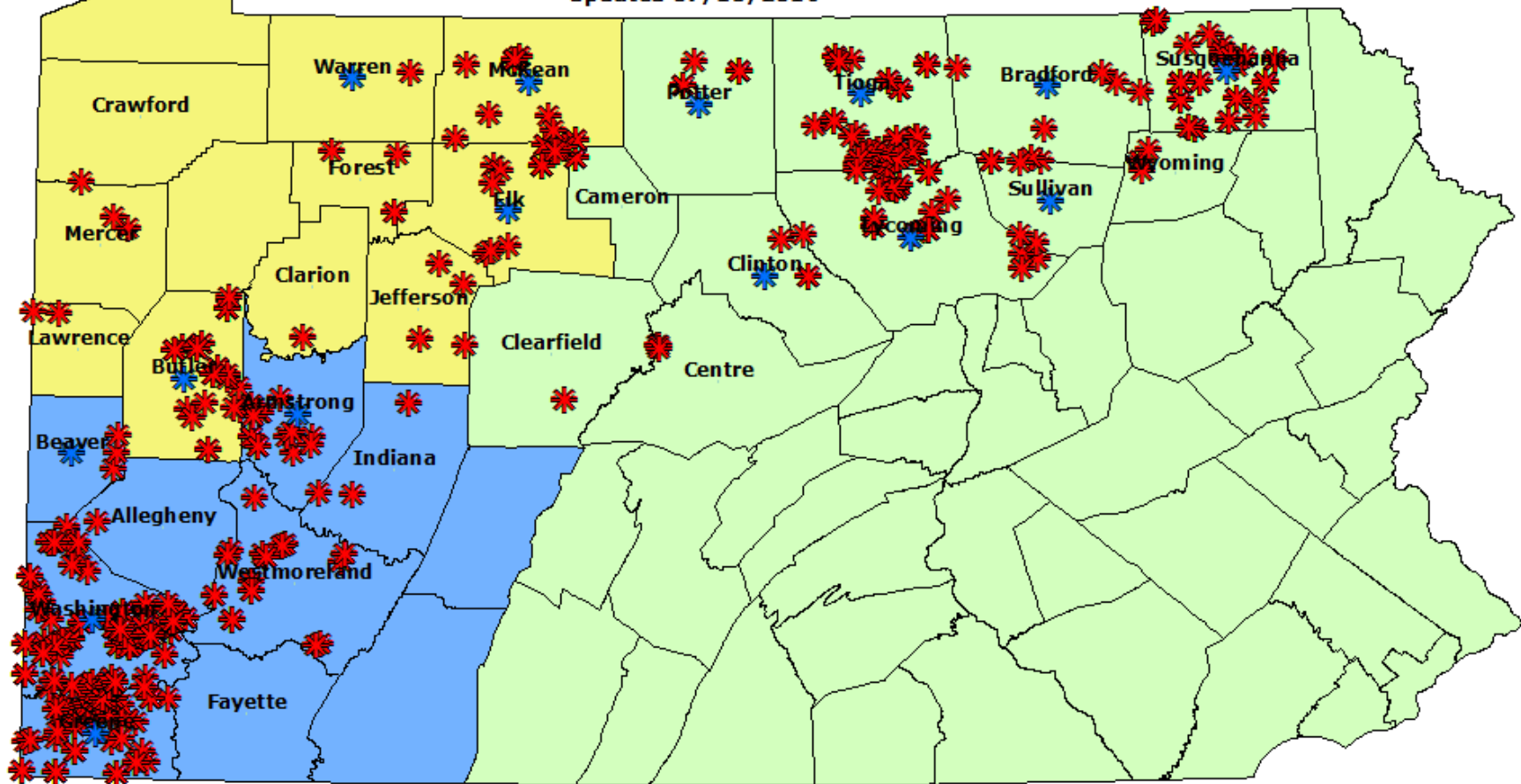
Updated 07/13/2016



Unconventional Permits Issued - 664 Unconventional Wells Drilled - 183

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - June 2016

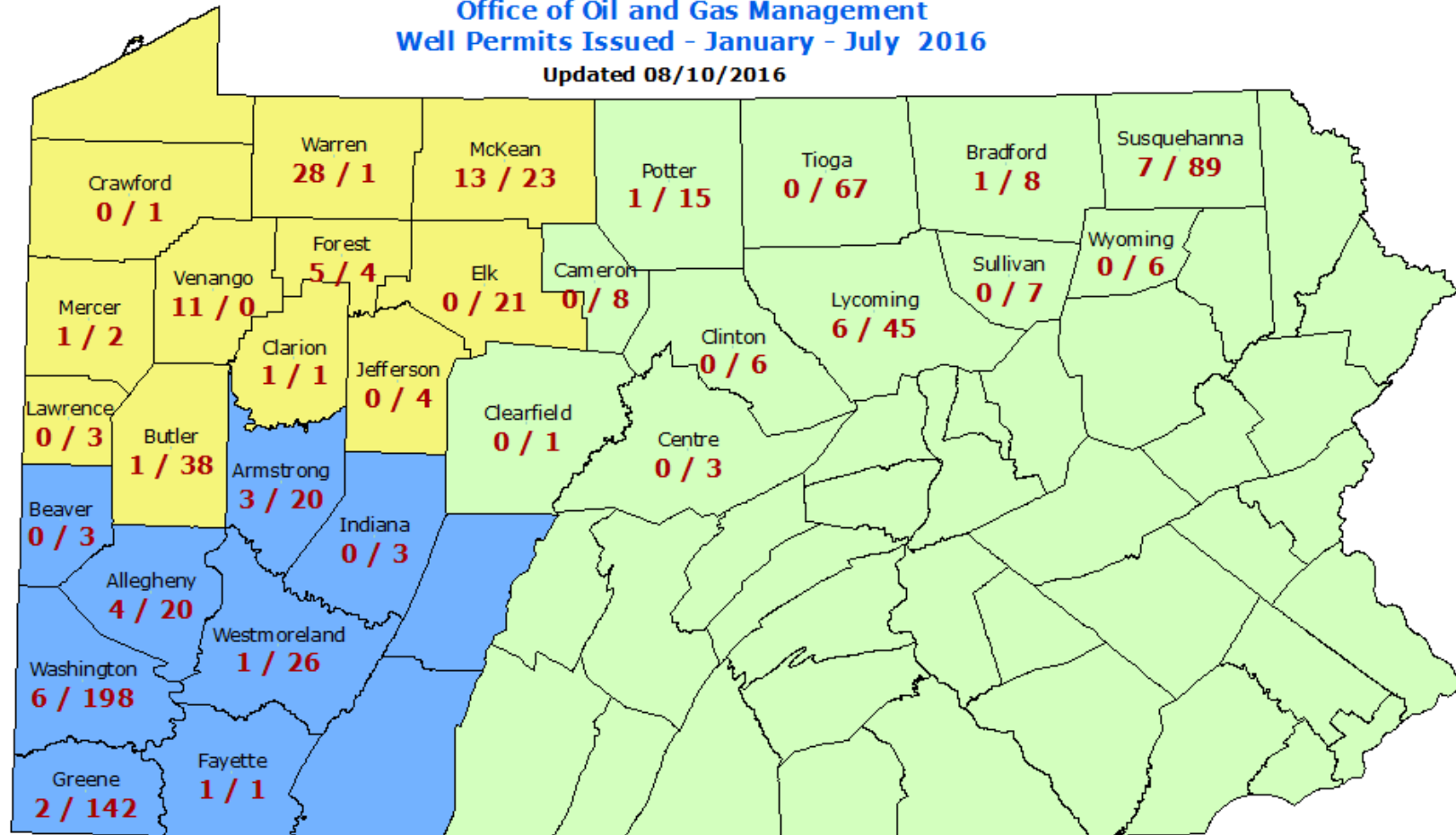
Updated 07/13/2016



Unconventional Permits Issued - 664

Unconventional Wells Drilled - 183

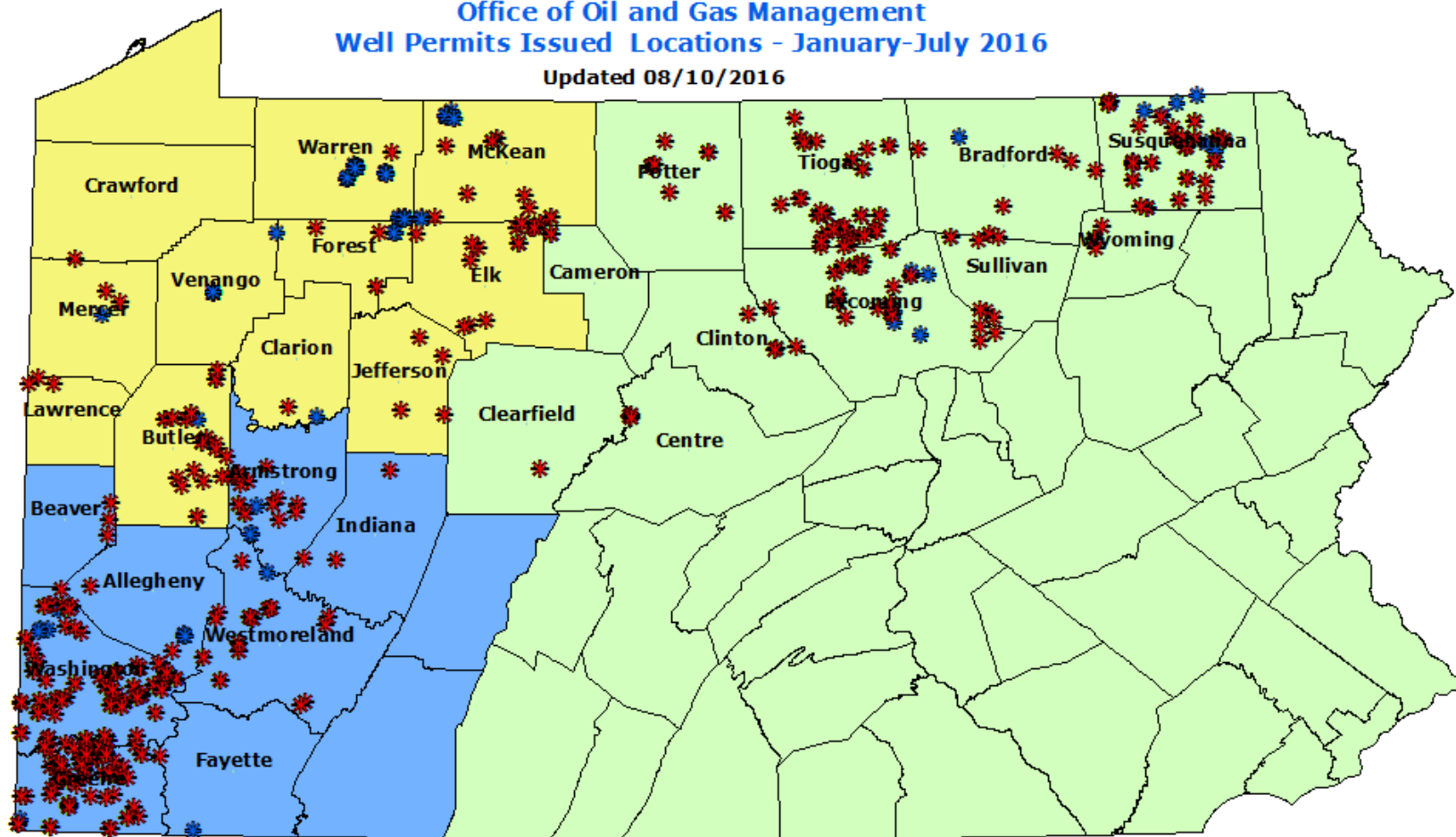
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - July 2016
Updated 08/10/2016



Conventional - 92 + Unconventional - 766 = Total - 858

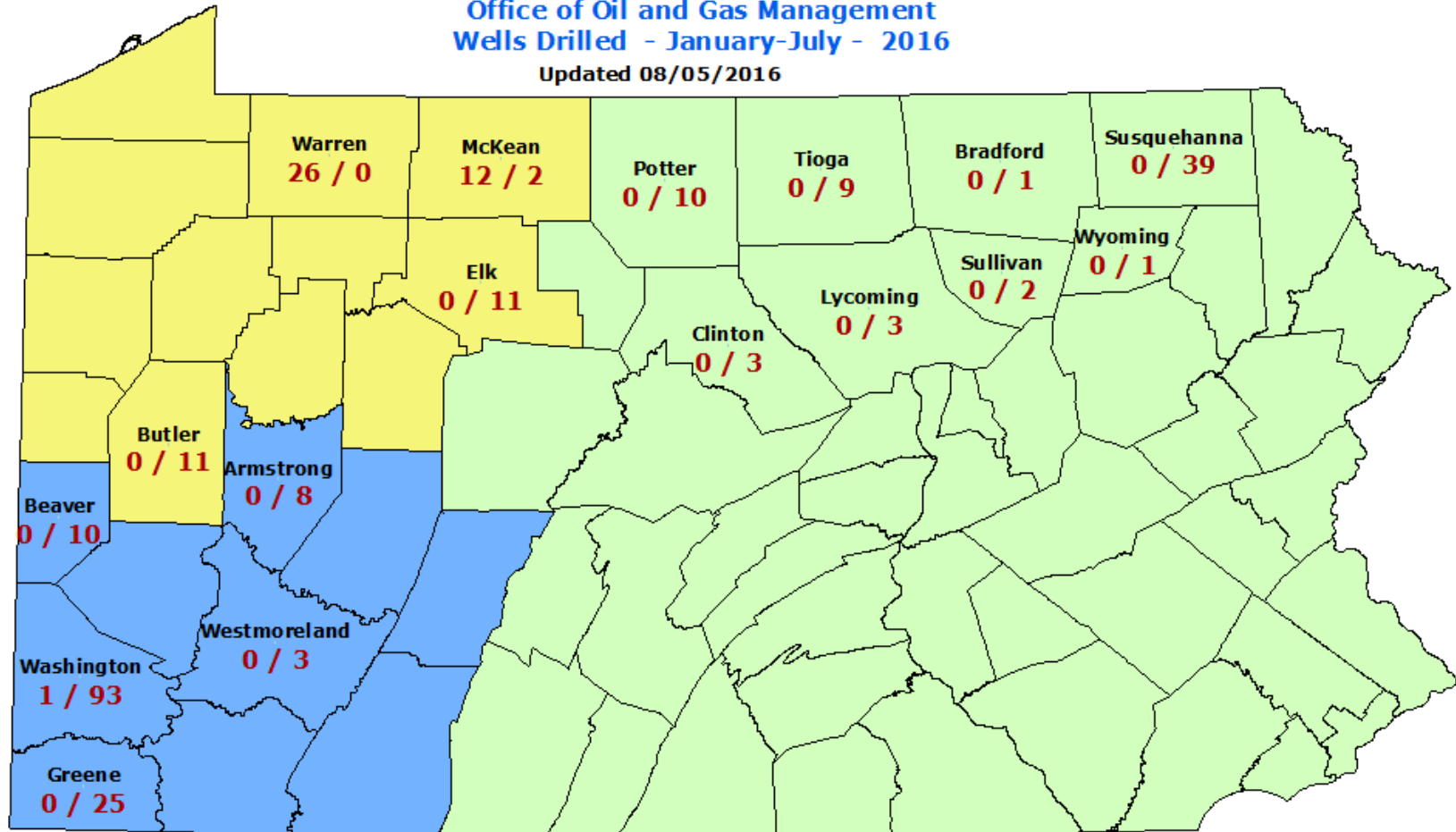
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January-July 2016

Updated 08/10/2016



Conventional - 92 + Unconventional - 766 = Total - 858

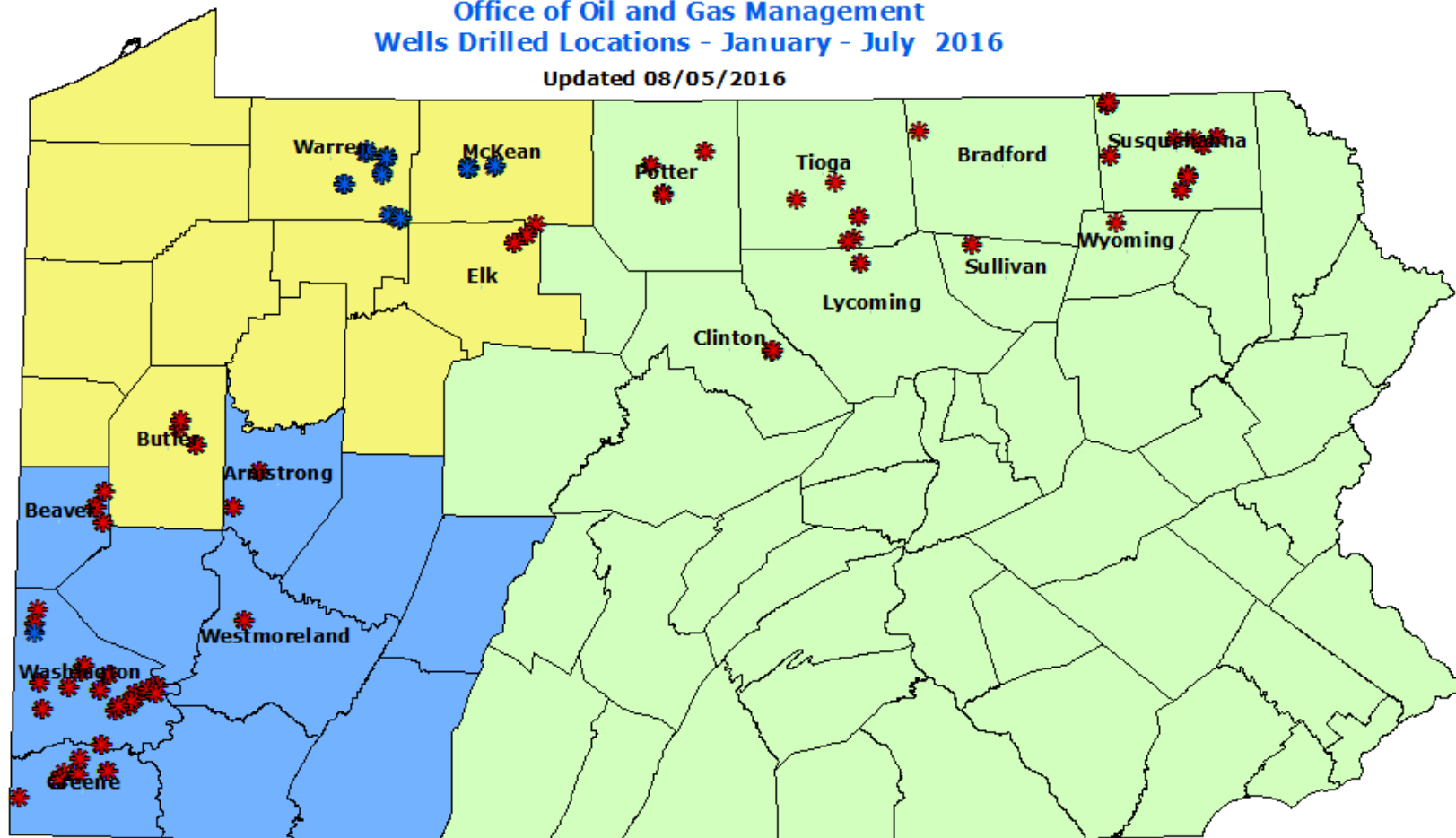
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-July - 2016
Updated 08/05/2016



(Conventional) - 39 + (Unconventional) - 231 = Total - 270

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - July 2016

Updated 08/05/2016



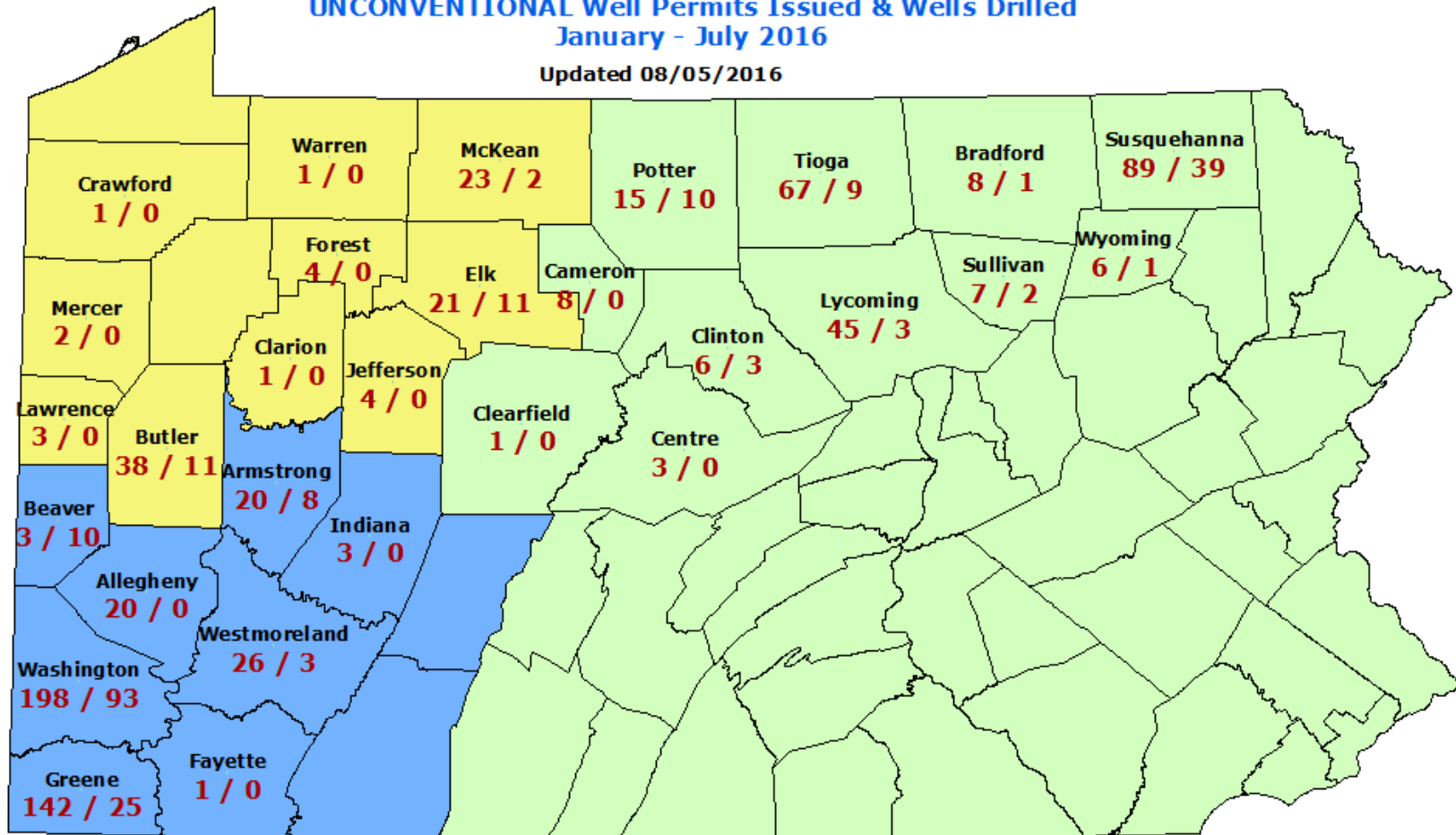
* Conventional Wells

* Unconventional Wells

(Conventional) - 39 + (Unconventional) - 231 = Total - 270

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - July 2016

Updated 08/05/2016



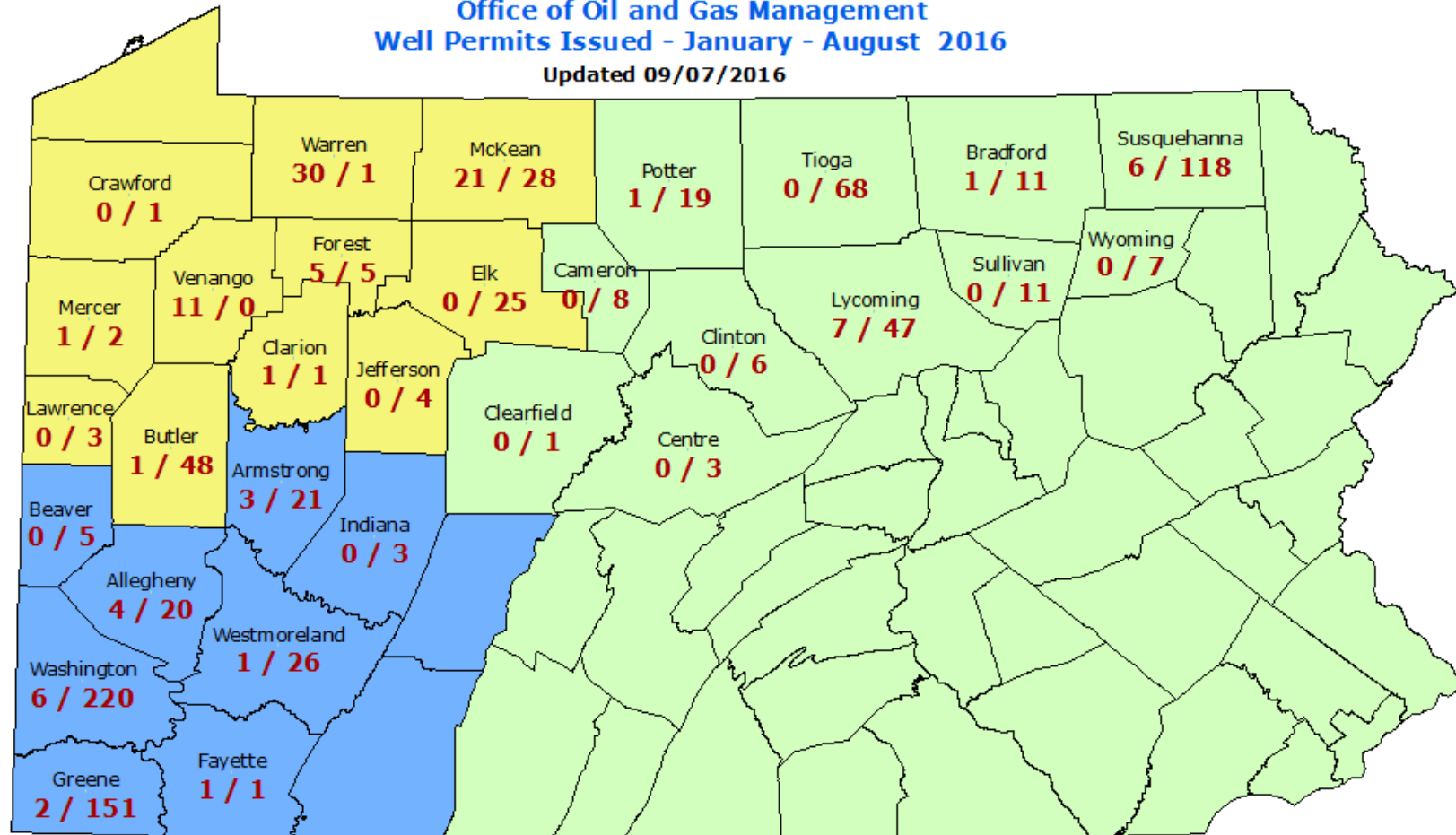
Unconventional Permits Issued - 766 Unconventional Wells Drilled - 231

Updated 08/05/2016



Unconventional Permits Issued - 766 Unconventional Wells Drilled - 231

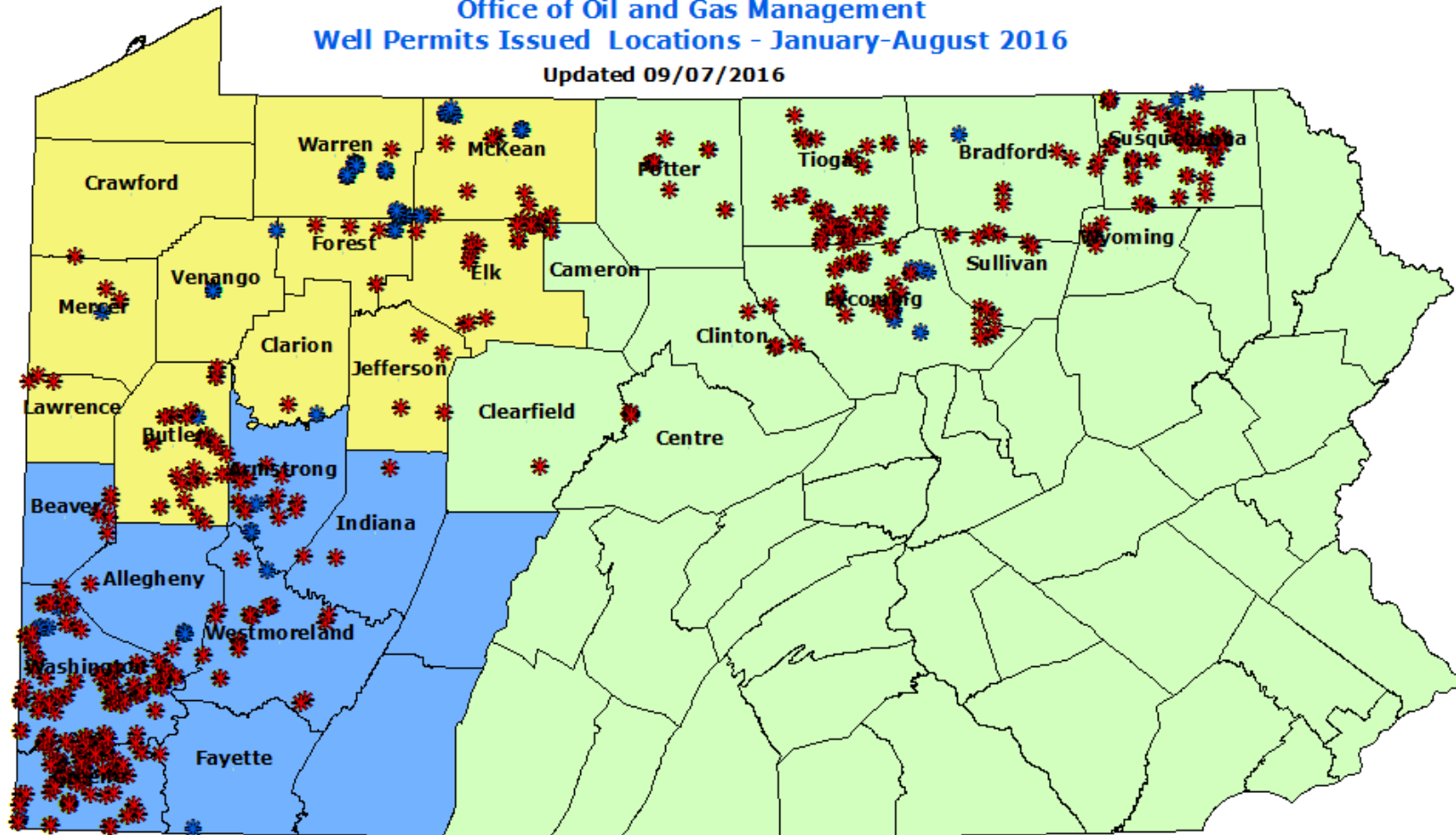
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - August 2016
Updated 09/07/2016



Conventional - 102 + Unconventional - 864 = Total - 966

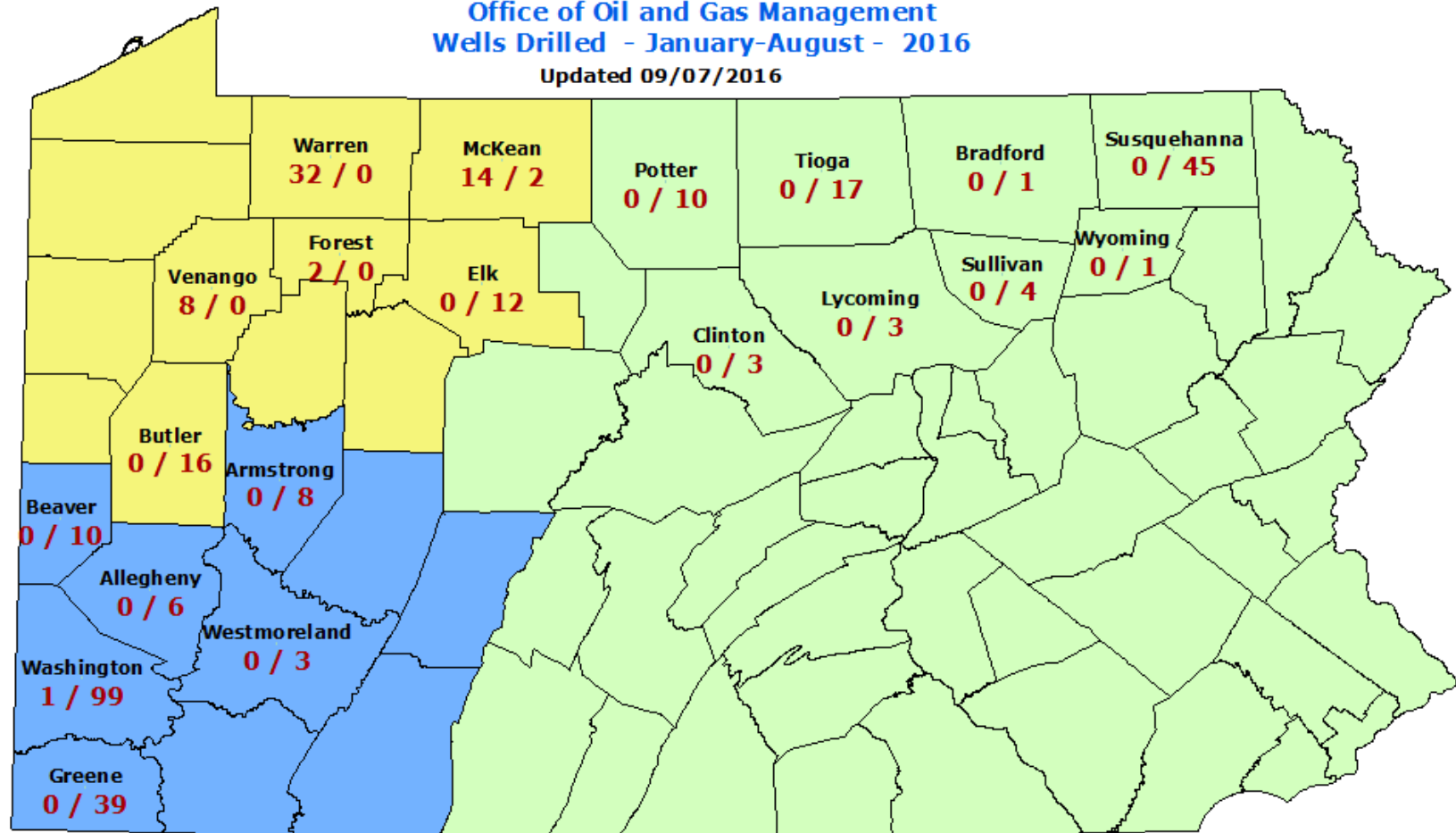
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued Locations - January-August 2016

Updated 09/07/2016



Conventional - 102 + Unconventional - 864 = Total - 966

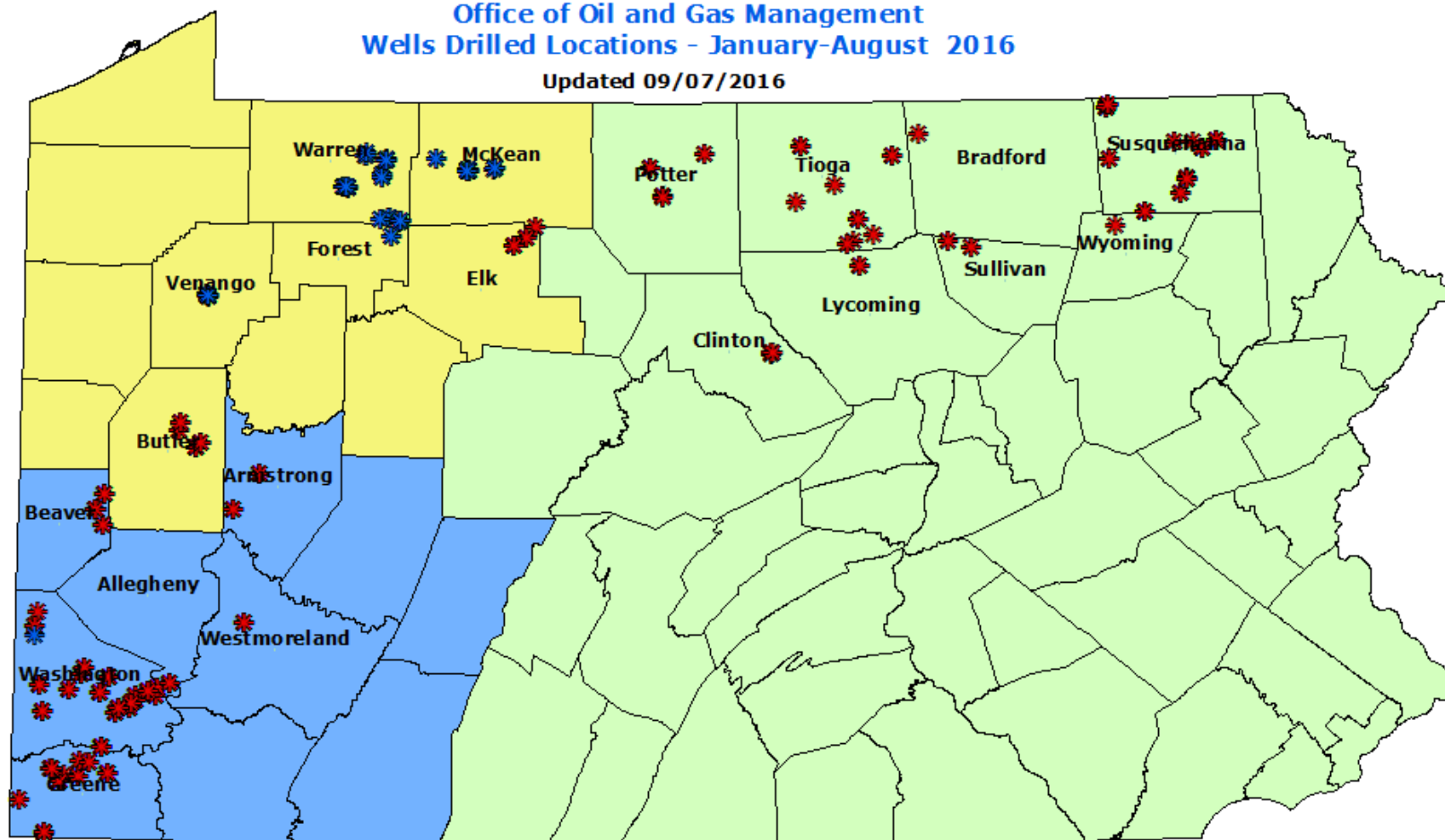
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-August - 2016
Updated 09/07/2016



(Conventional) - 57 + (Unconventional) - 279 = Total - 336

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January-August 2016

Updated 09/07/2016



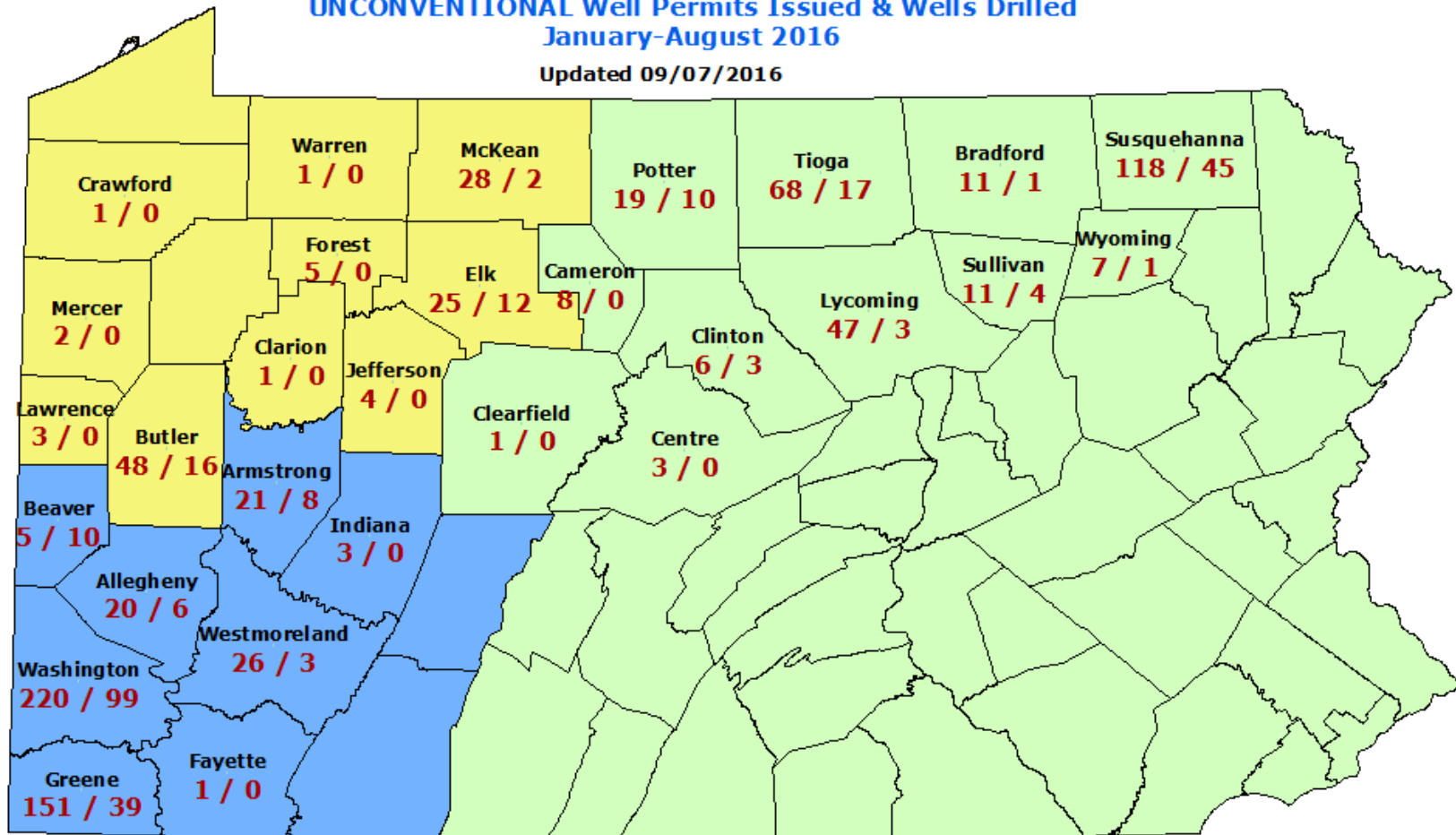
* Conventional Wells

* Unconventional Wells

(Conventional) - 57 + (Unconventional) - 279 = Total - 336

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January-August 2016

Updated 09/07/2016



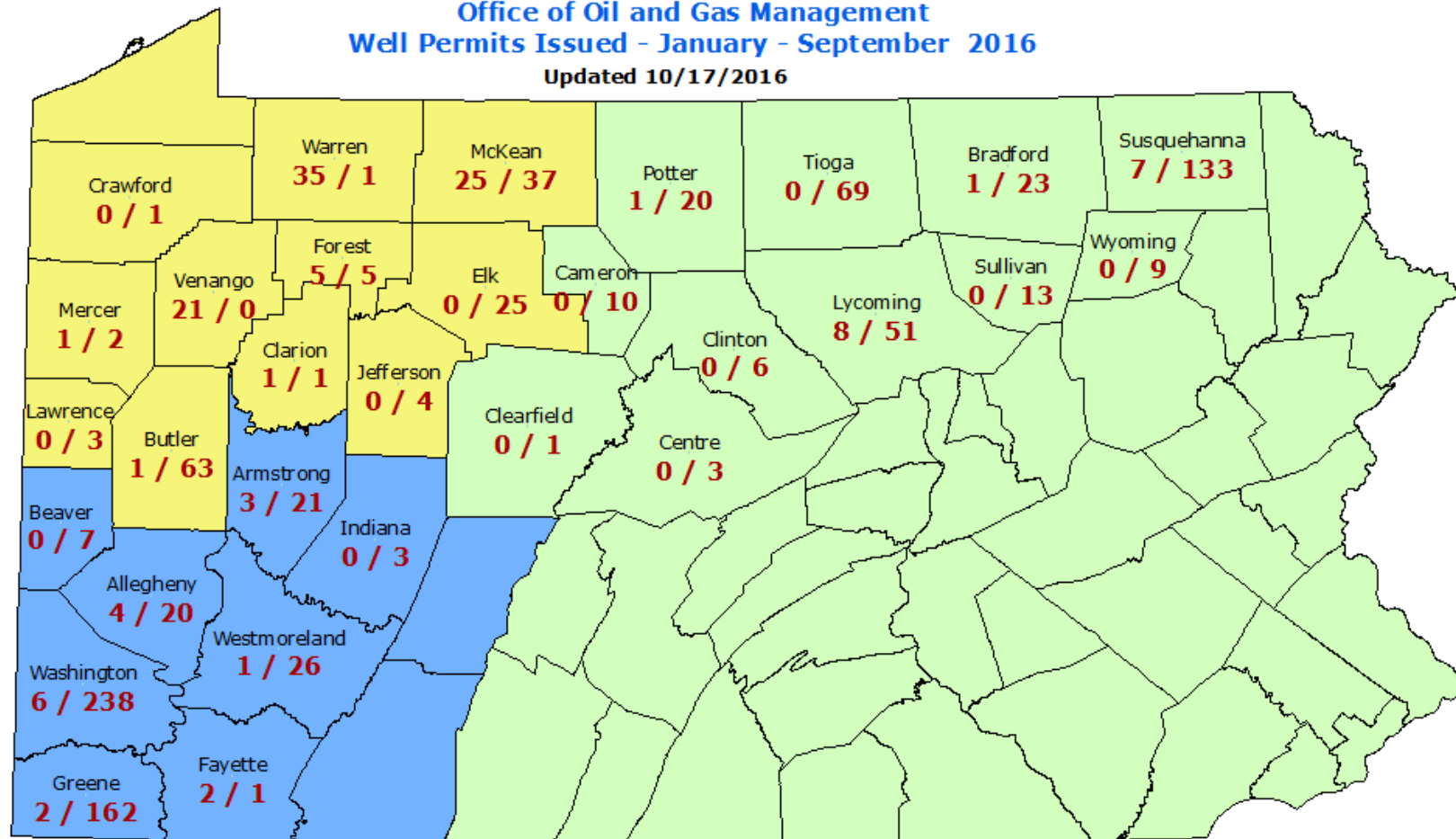
Unconventional Permits Issued - 864 Unconventional Wells Drilled - 279

Updated 09/07/2016



Unconventional Permits Issued - 864 Unconventional Wells Drilled - 279

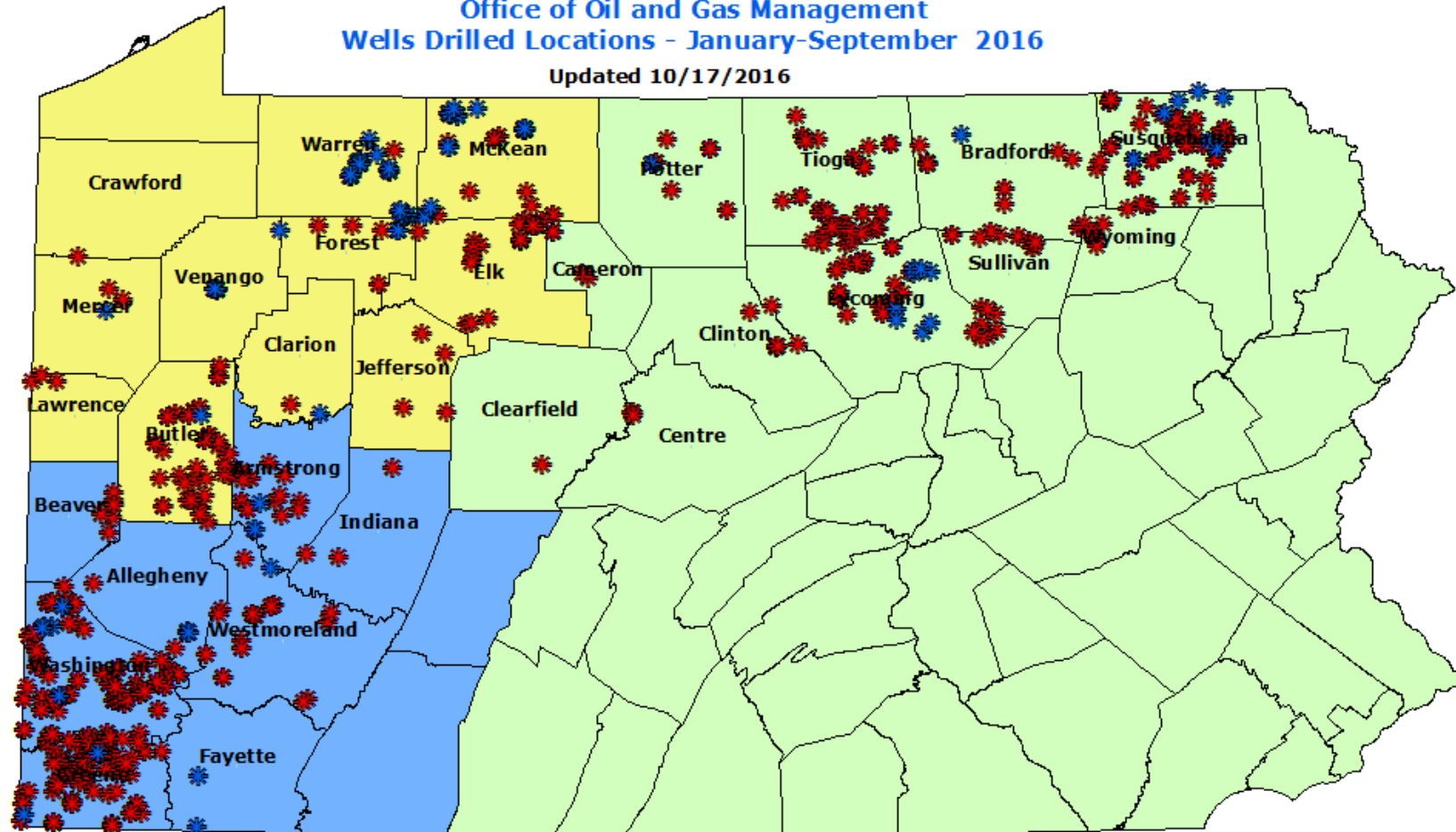
Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - September 2016
Updated 10/17/2016



Conventional - 124 + Unconventional - 958 = Total - 1082

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January-September 2016

Updated 10/17/2016

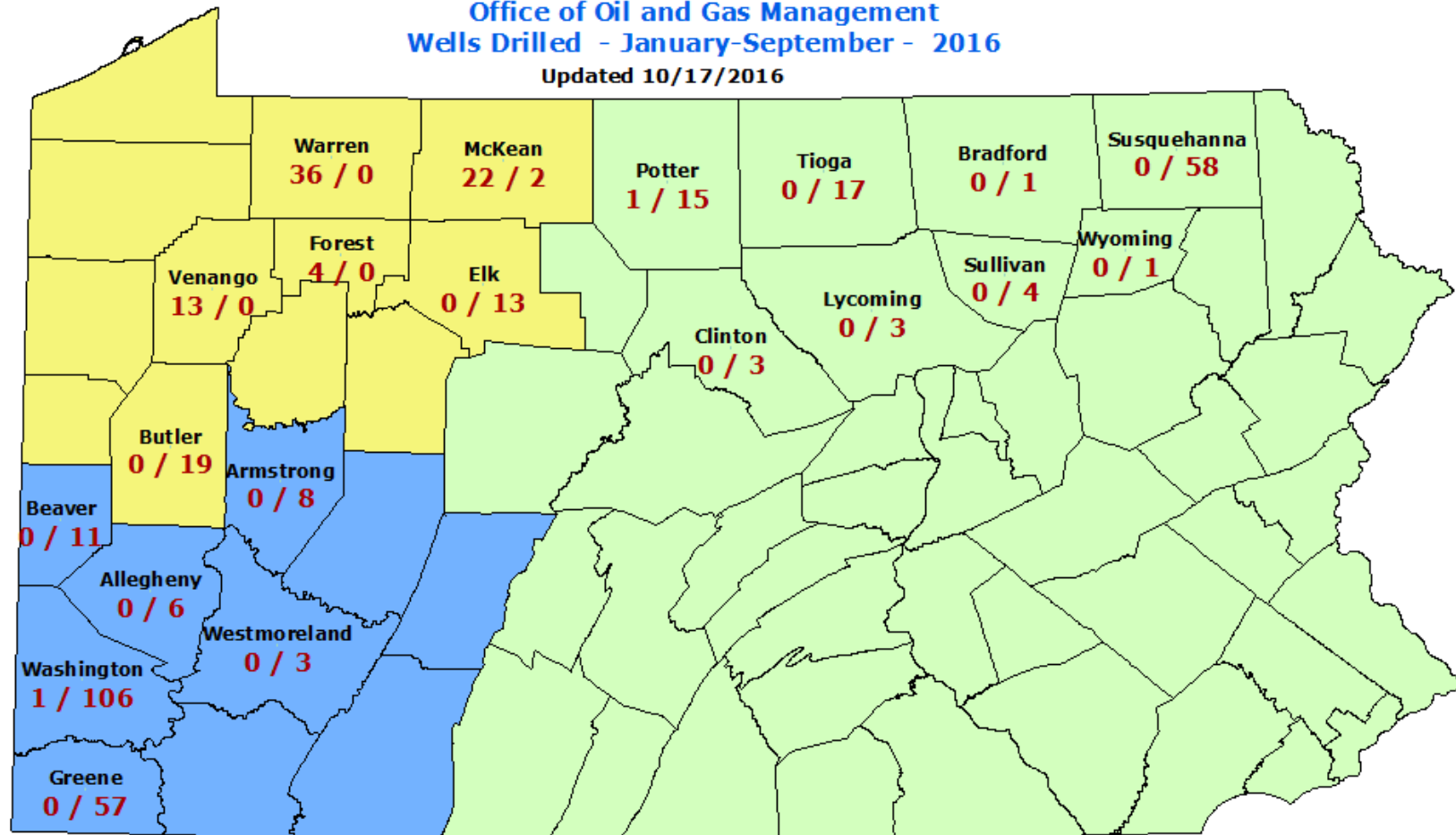


★ Conventional Wells

★ Unconventional Wells

Conventional - 124 + Unconventional - 958 = Total - 1082

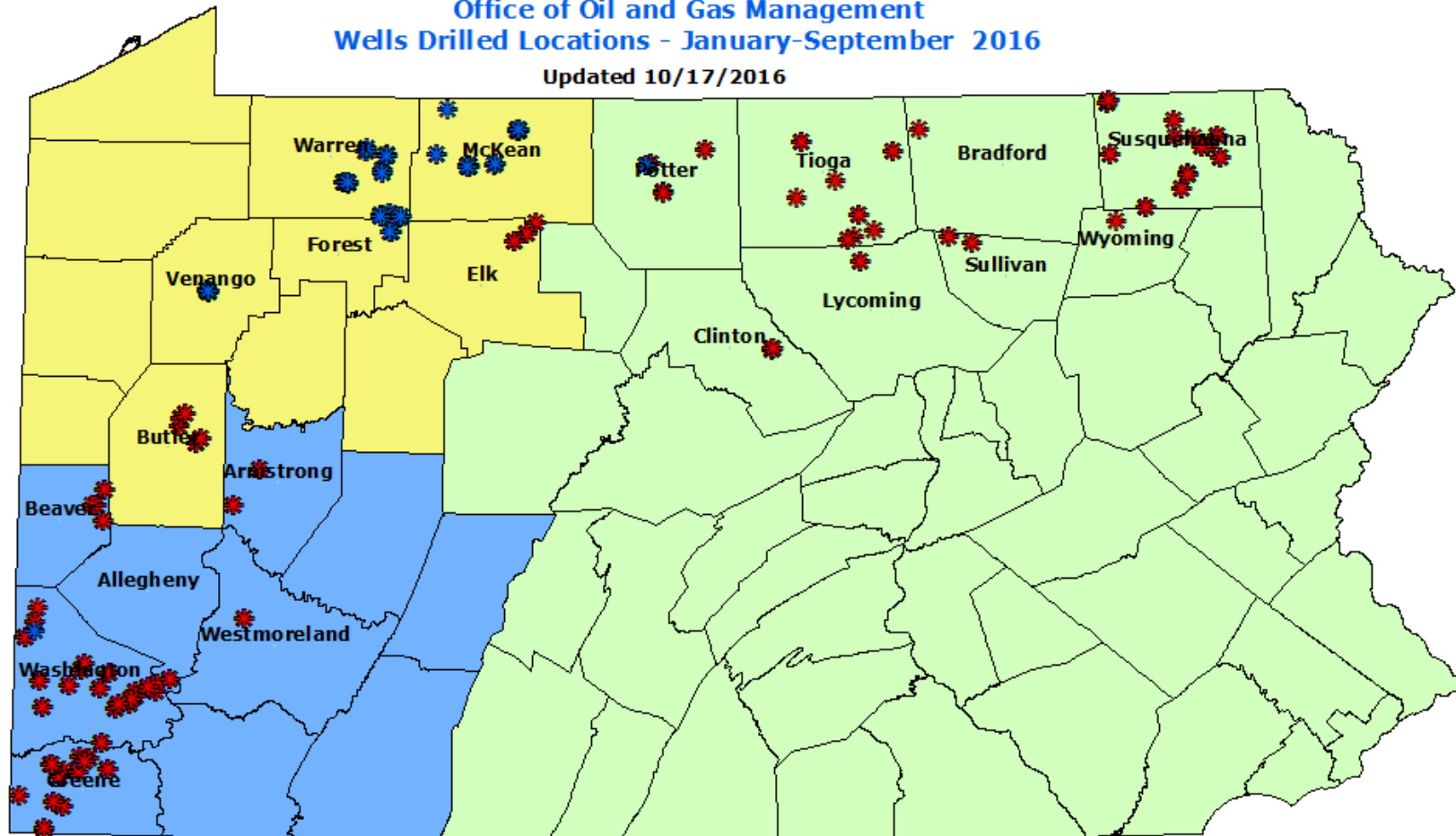
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-September - 2016
Updated 10/17/2016



(Conventional) - 77 + (Unconventional) - 327 = Total - 404

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January-September 2016

Updated 10/17/2016



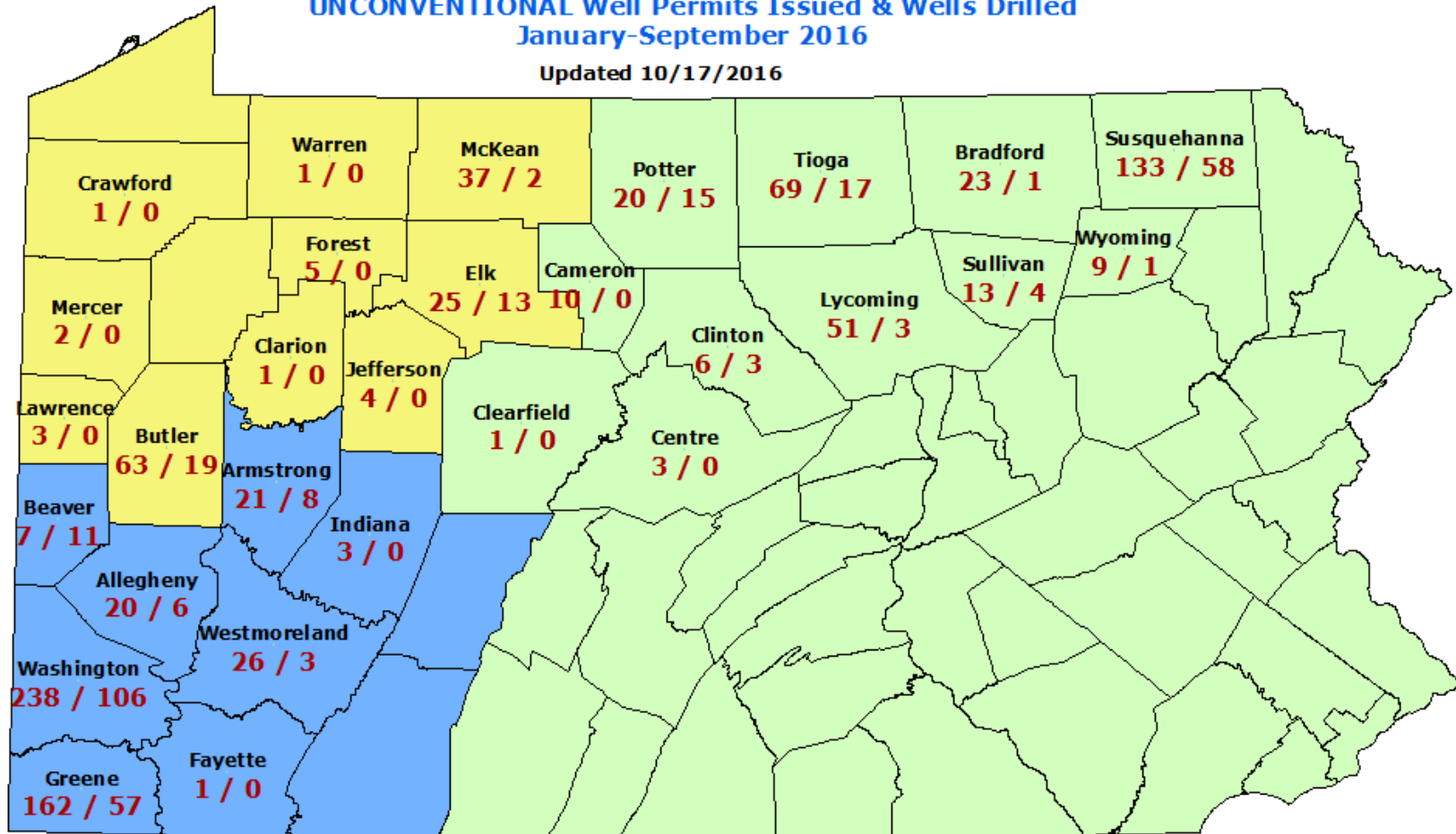
* Conventional Wells

* Unconventional Wells

(Conventional) - 77 + (Unconventional) - 327 = Total - 404

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January-September 2016

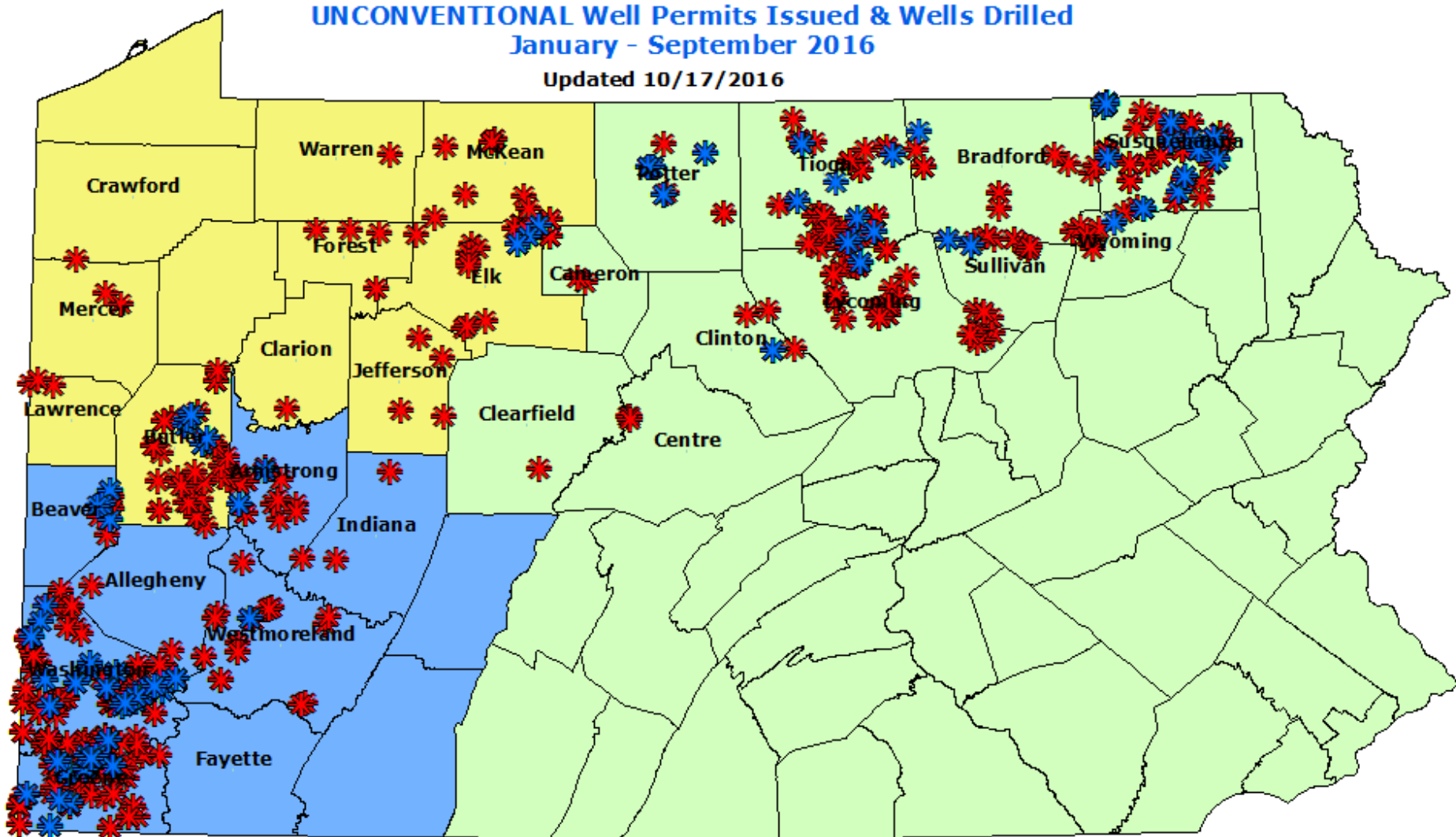
Updated 10/17/2016



Unconventional Permits Issued - 958 Unconventional Wells Drilled - 327

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - September 2016

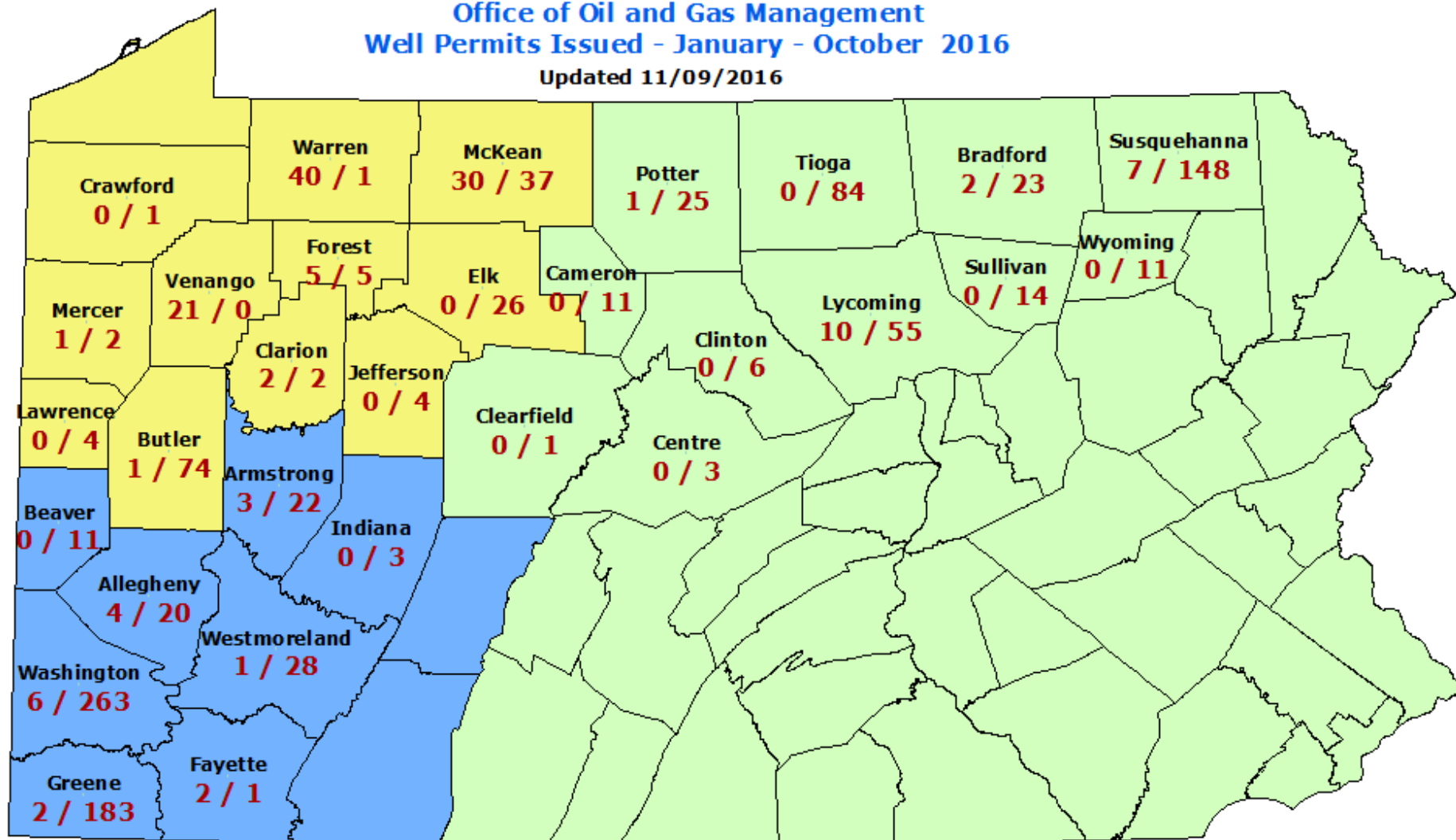
Updated 10/17/2016



Unconventional Permits Issued - 958 Unconventional Wells Drilled - 327

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - October 2016

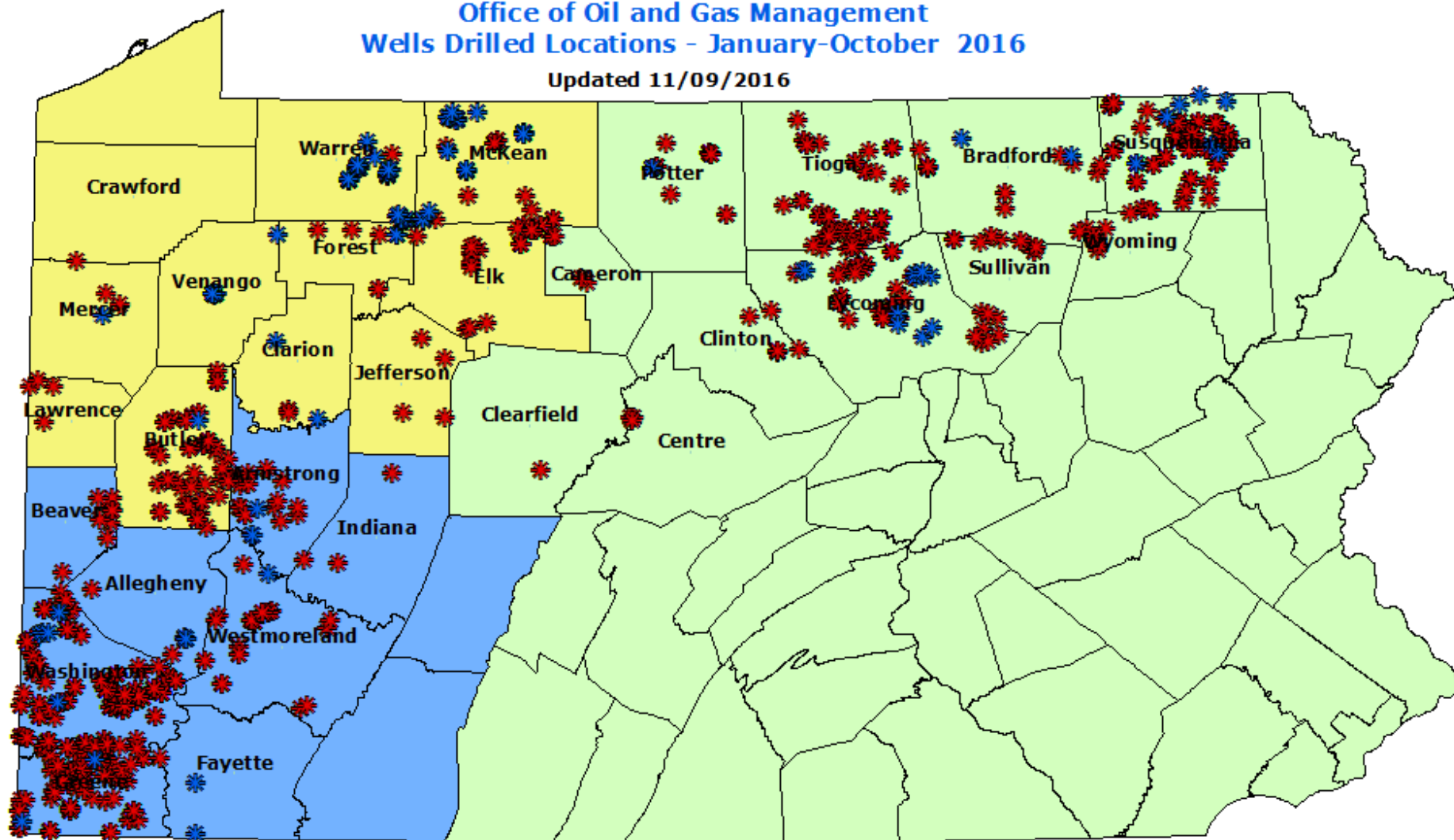
Updated 11/09/2016



Conventional - 138 + Unconventional - 1068 = Total - 1206

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January-October 2016

Updated 11/09/2016



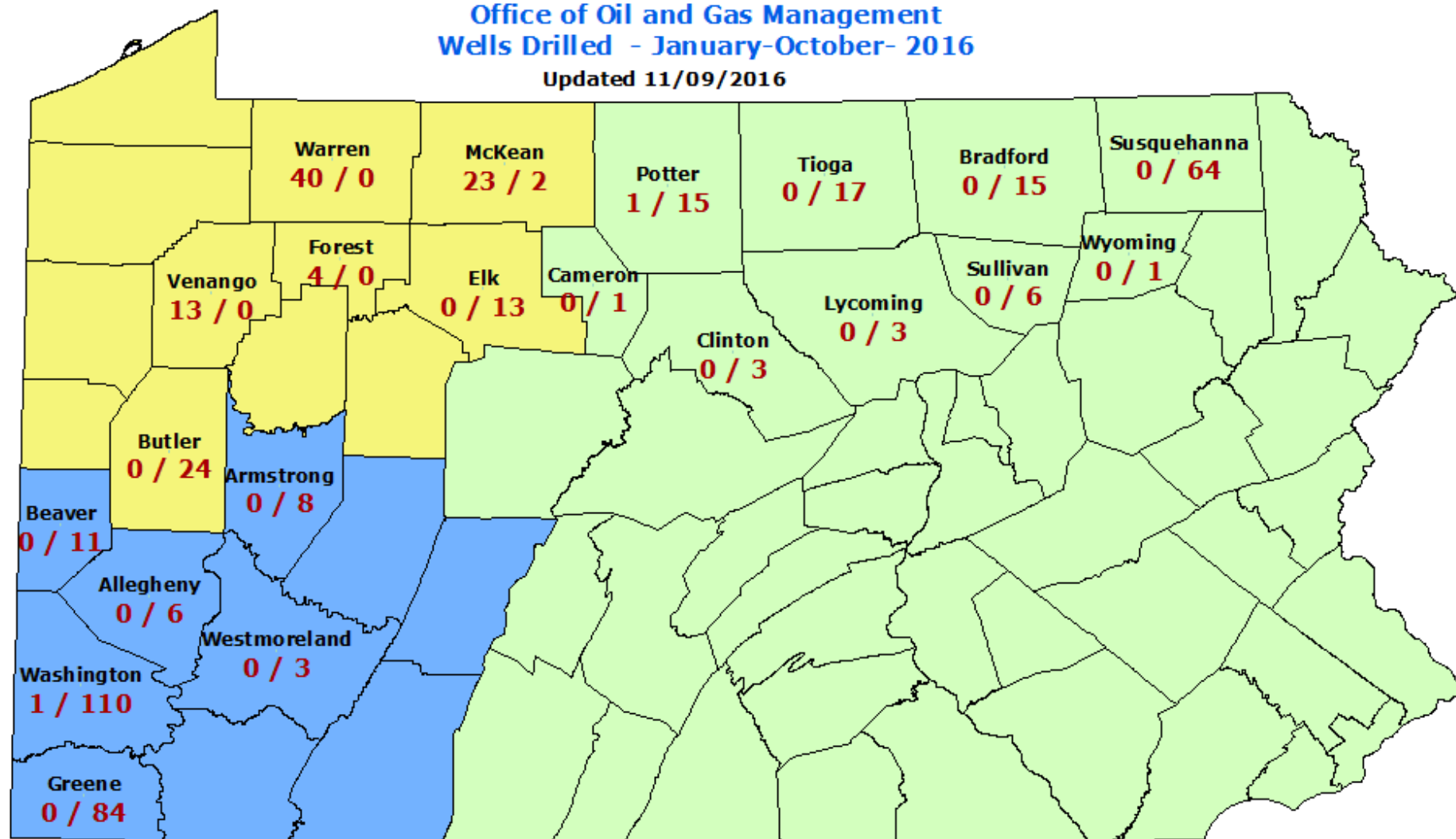
★ Conventional Wells

★ Unconventional Wells

Conventional - 138 + Unconventional - 1068 = Total - 1206

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-October- 2016

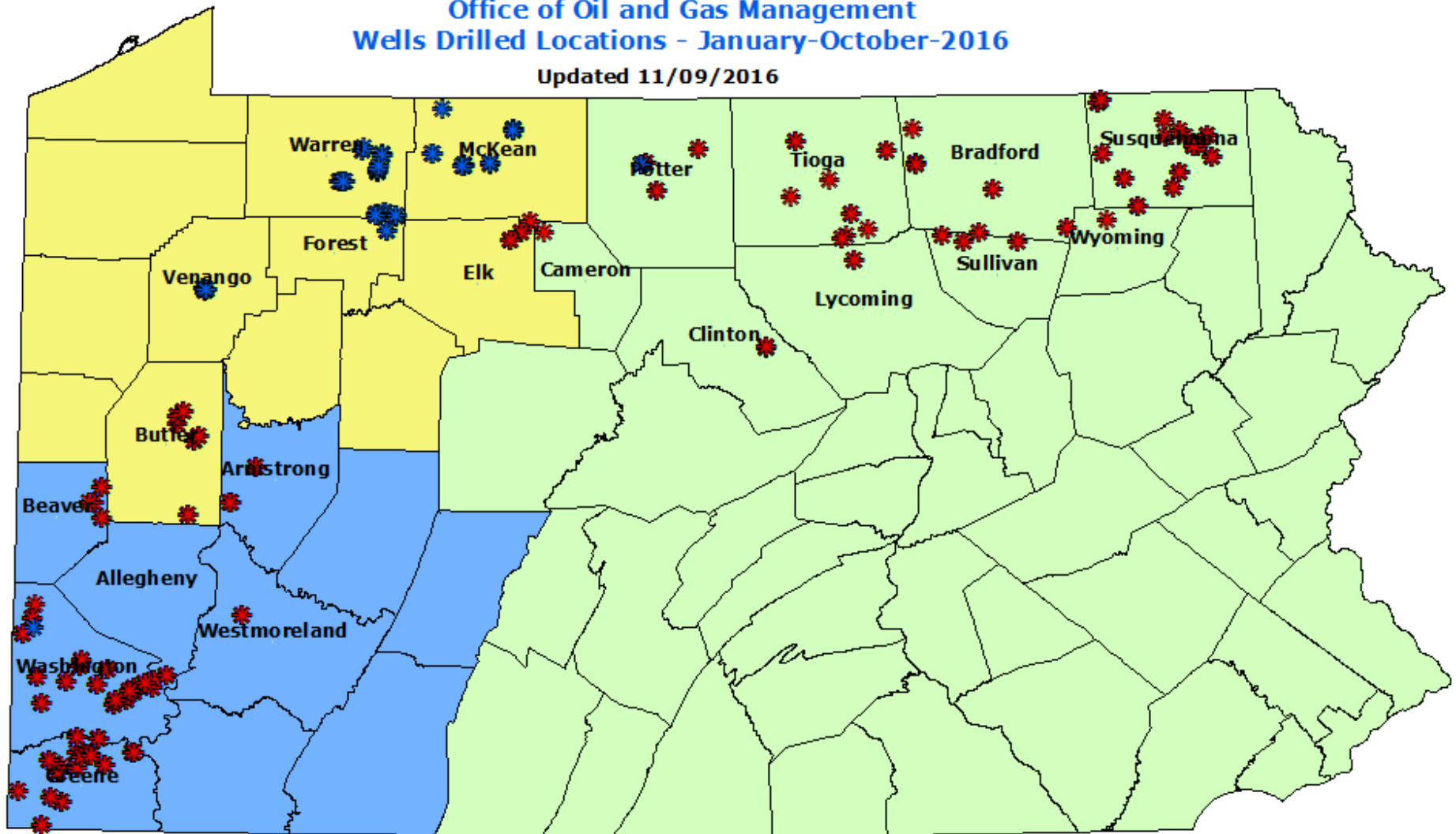
Updated 11/09/2016



(Conventional) - 82 + (Unconventional) - 386 = Total - 468

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January-October-2016

Updated 11/09/2016



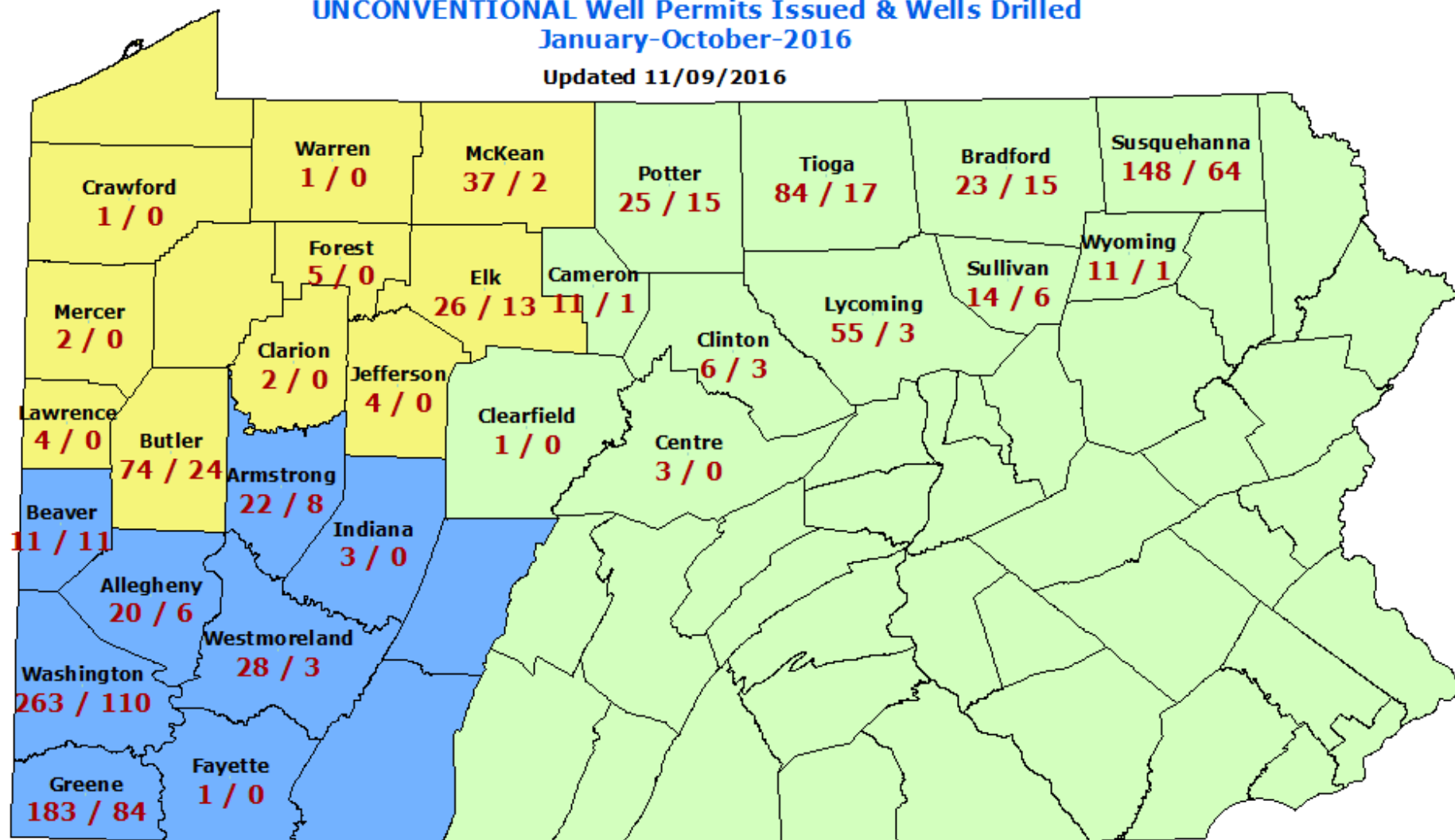
★ Conventional Wells

★ Unconventional Wells

(Conventional) - 82 + (Unconventional) - 386 = Total - 468

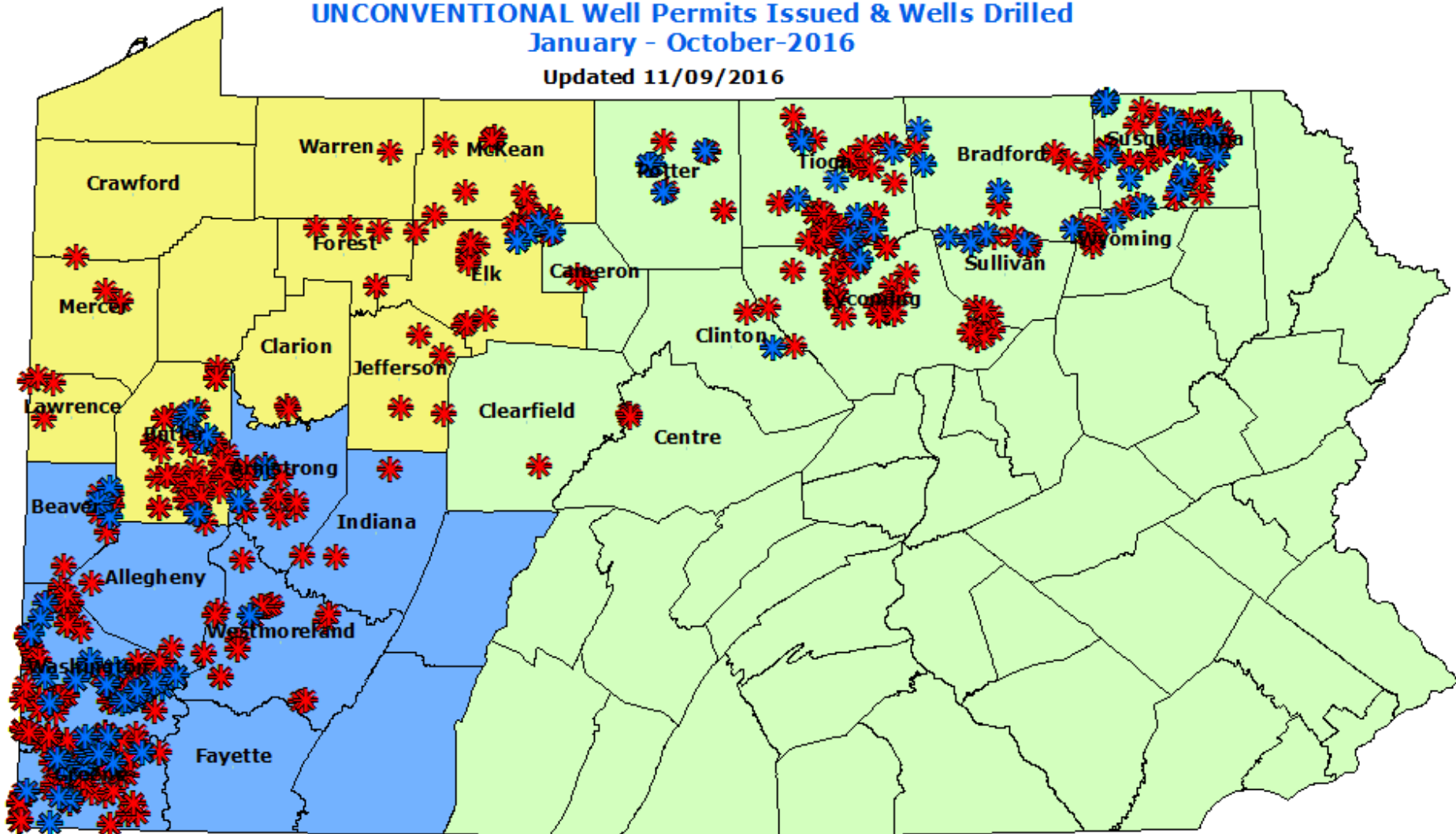
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January-October-2016

Updated 11/09/2016



Unconventional Permits Issued - 1068 Unconventional Wells Drilled - 386

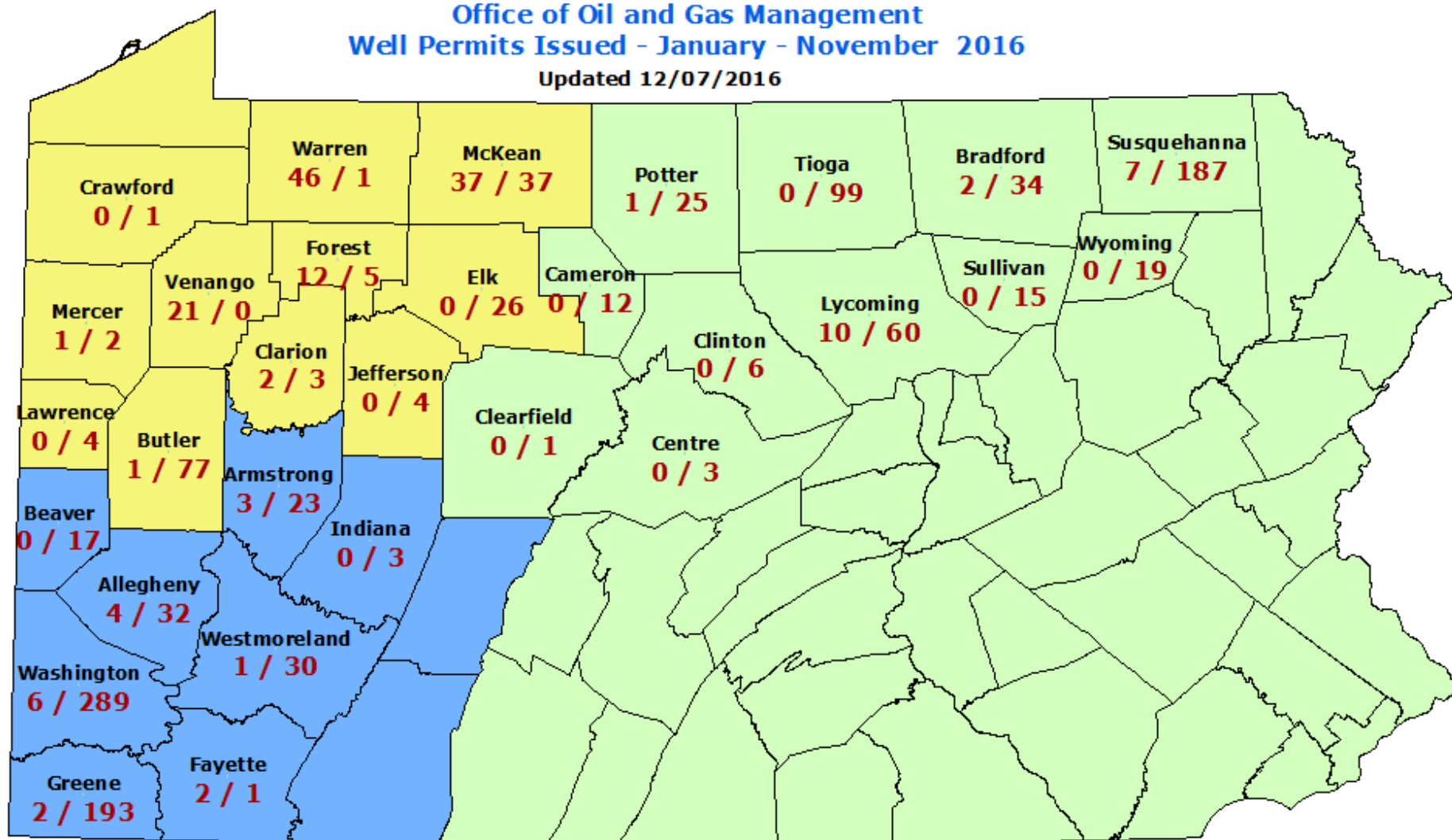
Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - October-2016
Updated 11/09/2016



Unconventional Permits Issued - 1068 Unconventional Wells Drilled - 386

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - November 2016

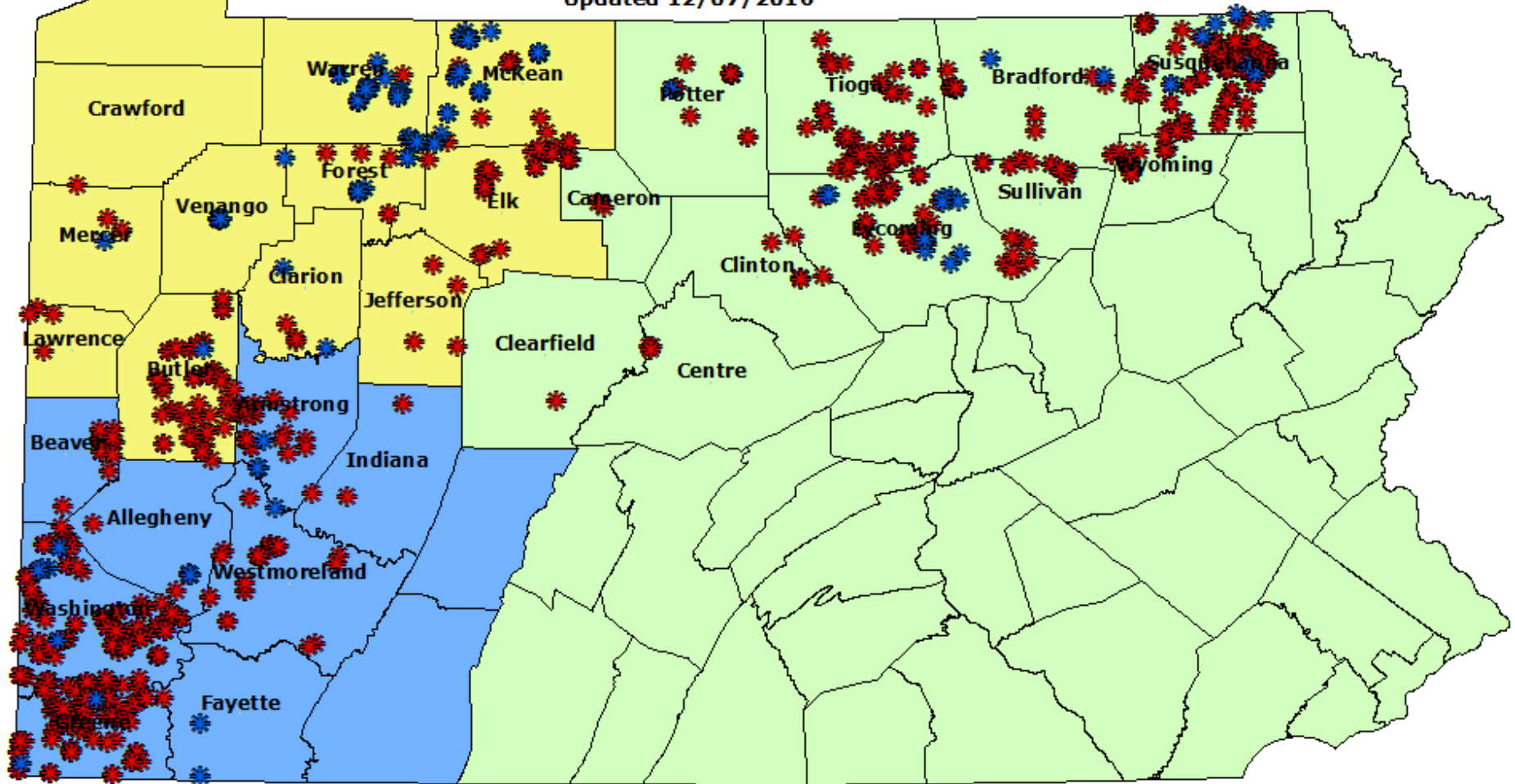
Updated 12/07/2016



Conventional - 158 + Unconventional - 1209 = Total - 1367

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January-November 2016

Updated 12/07/2016



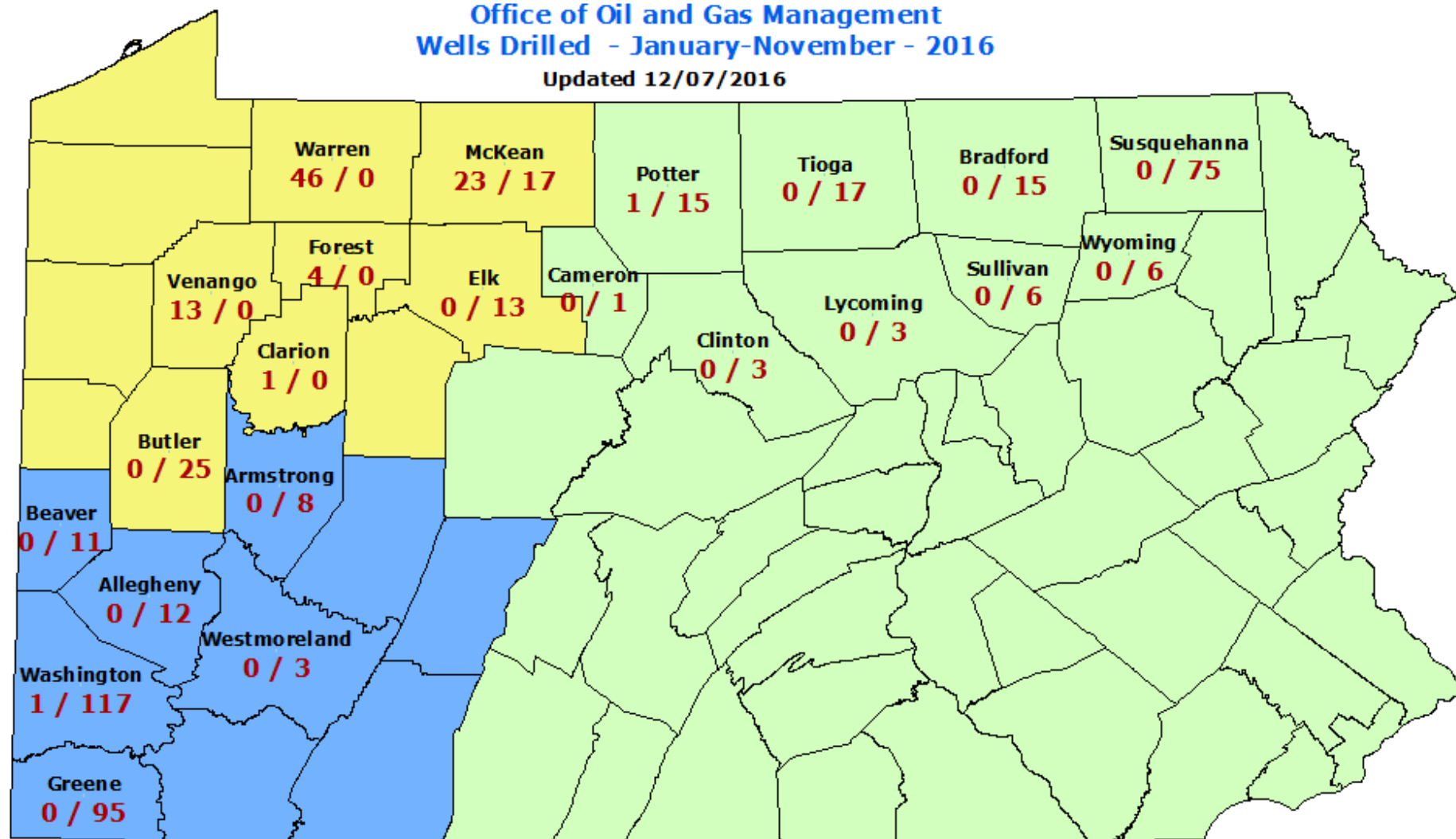
✱ Conventional Wells

✱ Unconventional Wells

Conventional - 158 + Unconventional - 1209 = Total - 1367

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January-November - 2016

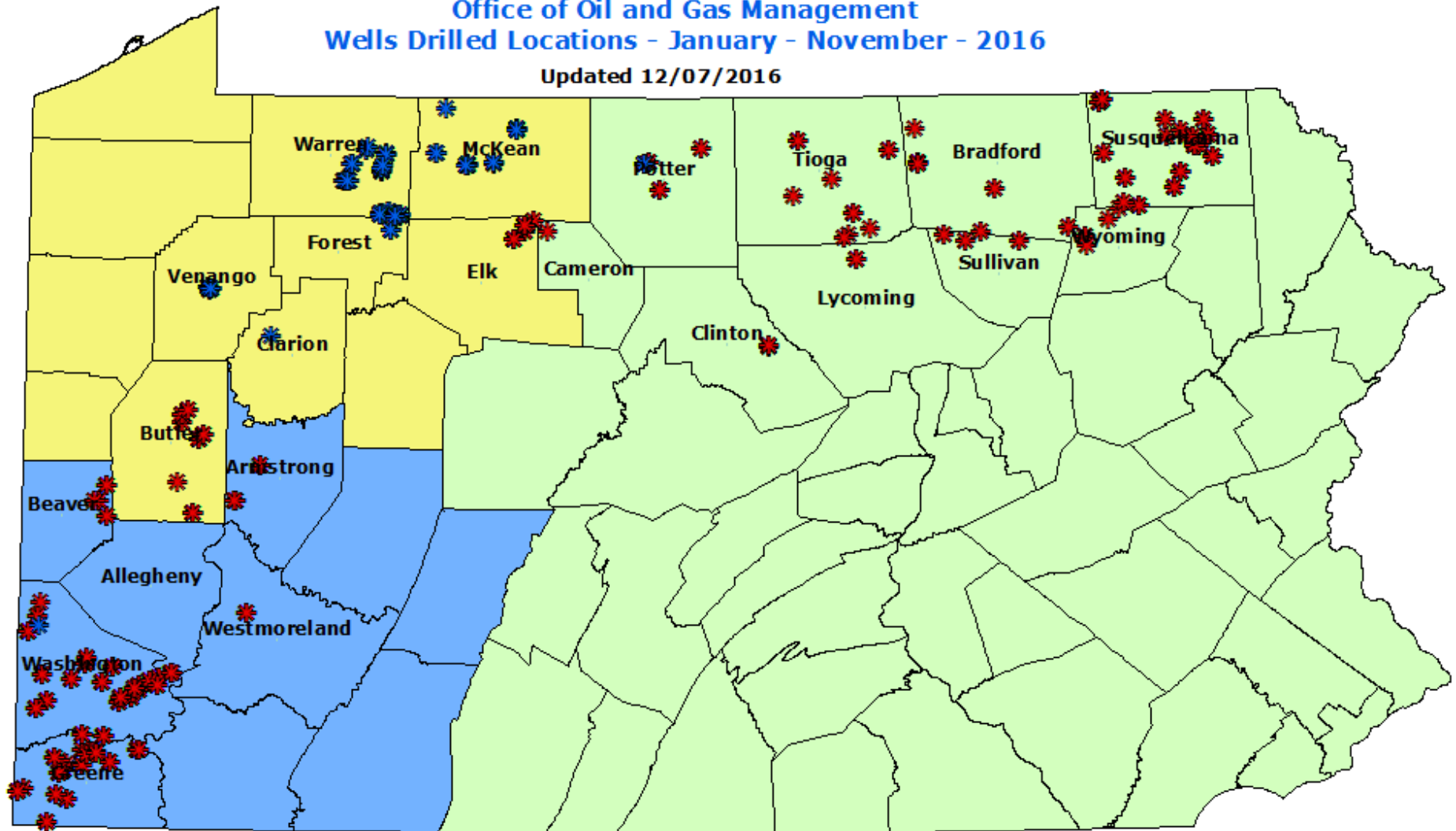
Updated 12/07/2016



(Conventional) - 89 + (Unconventional) - 442 = Total - 531

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - November - 2016

Updated 12/07/2016



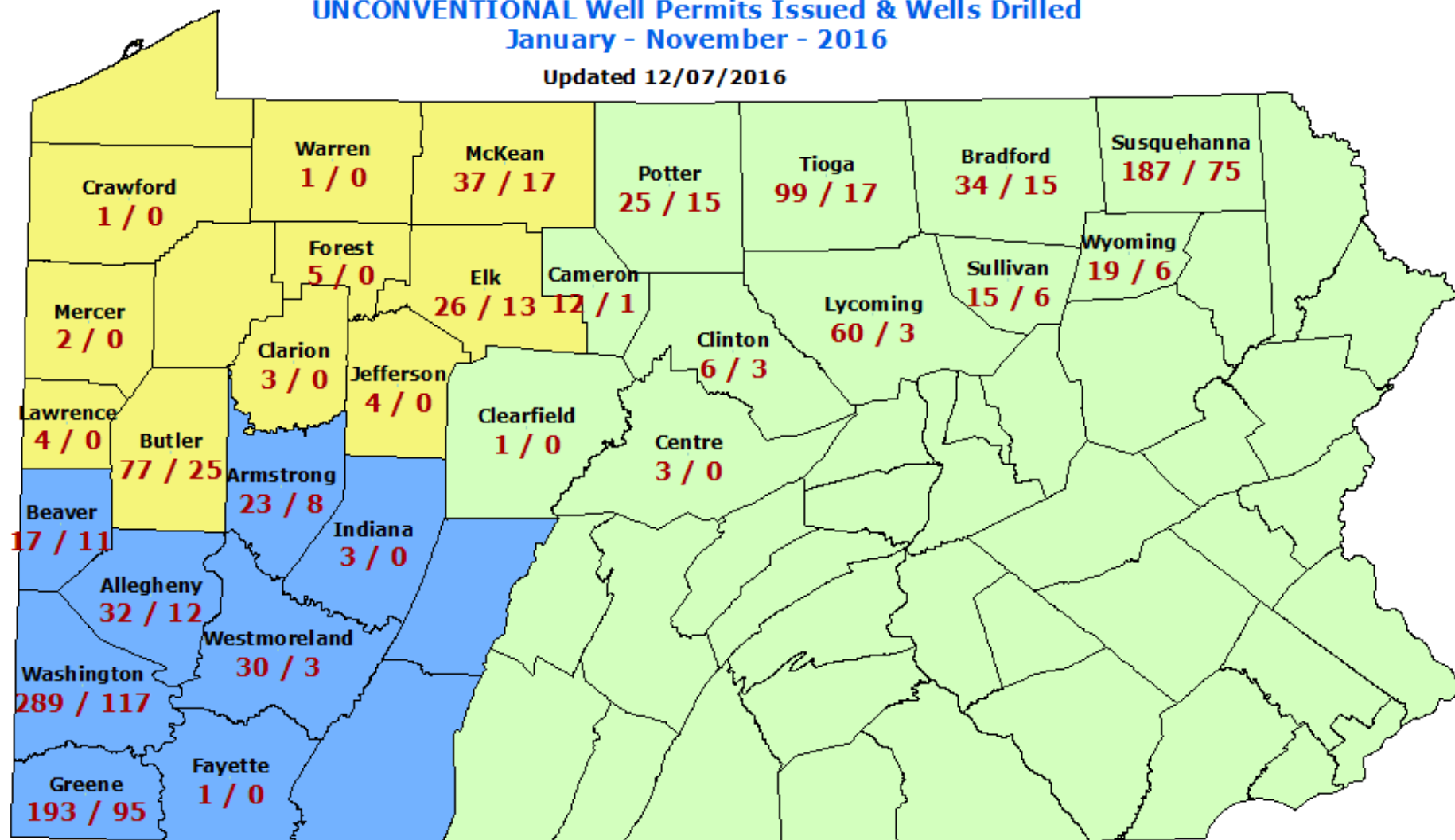
★ Conventional Wells

★ Unconventional Wells

(Conventional) - 89 + (Unconventional) - 442 = Total - 531

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - November - 2016

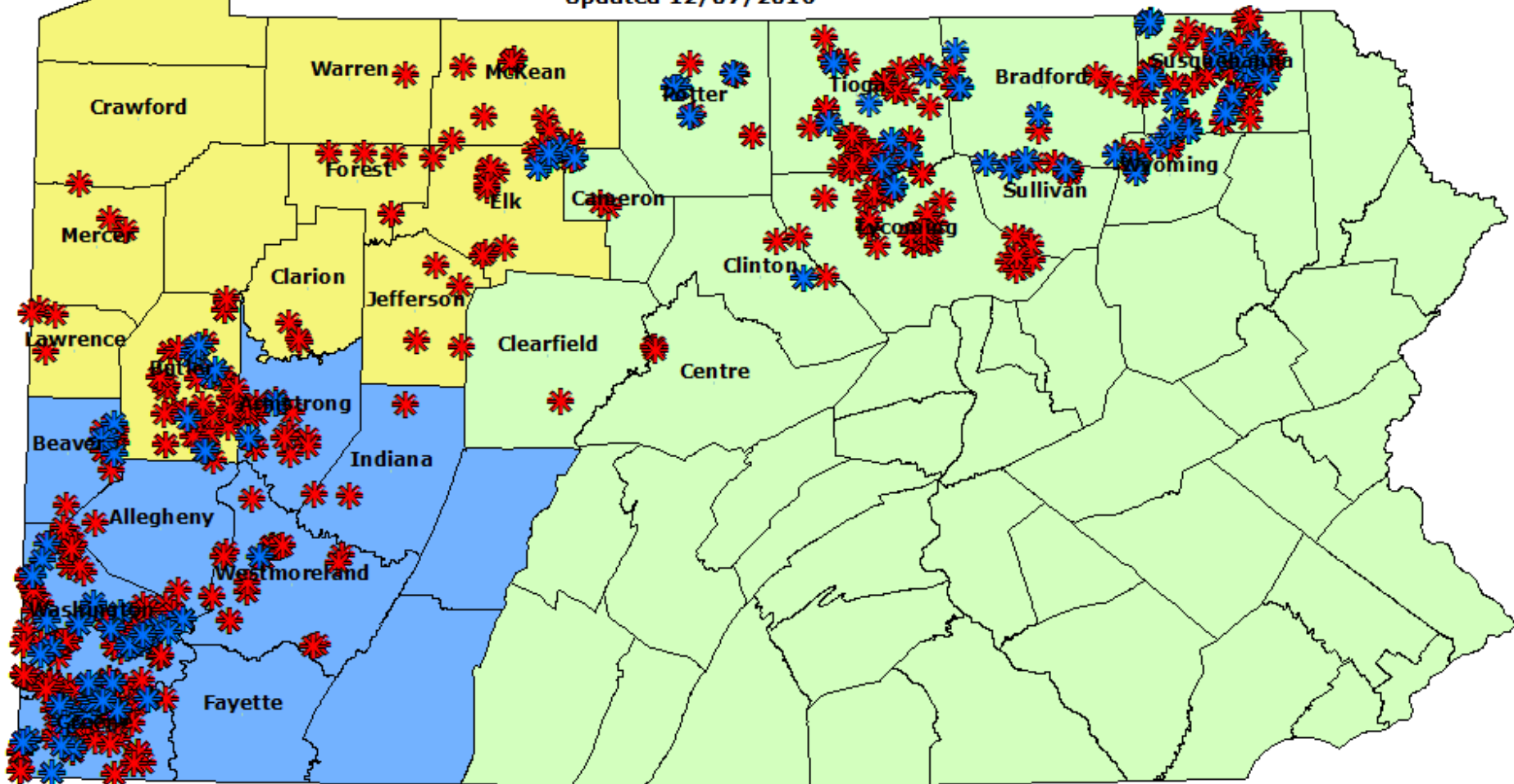
Updated 12/07/2016



Unconventional Permits Issued - 1209 Unconventional Wells Drilled - 442

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - November - 2016

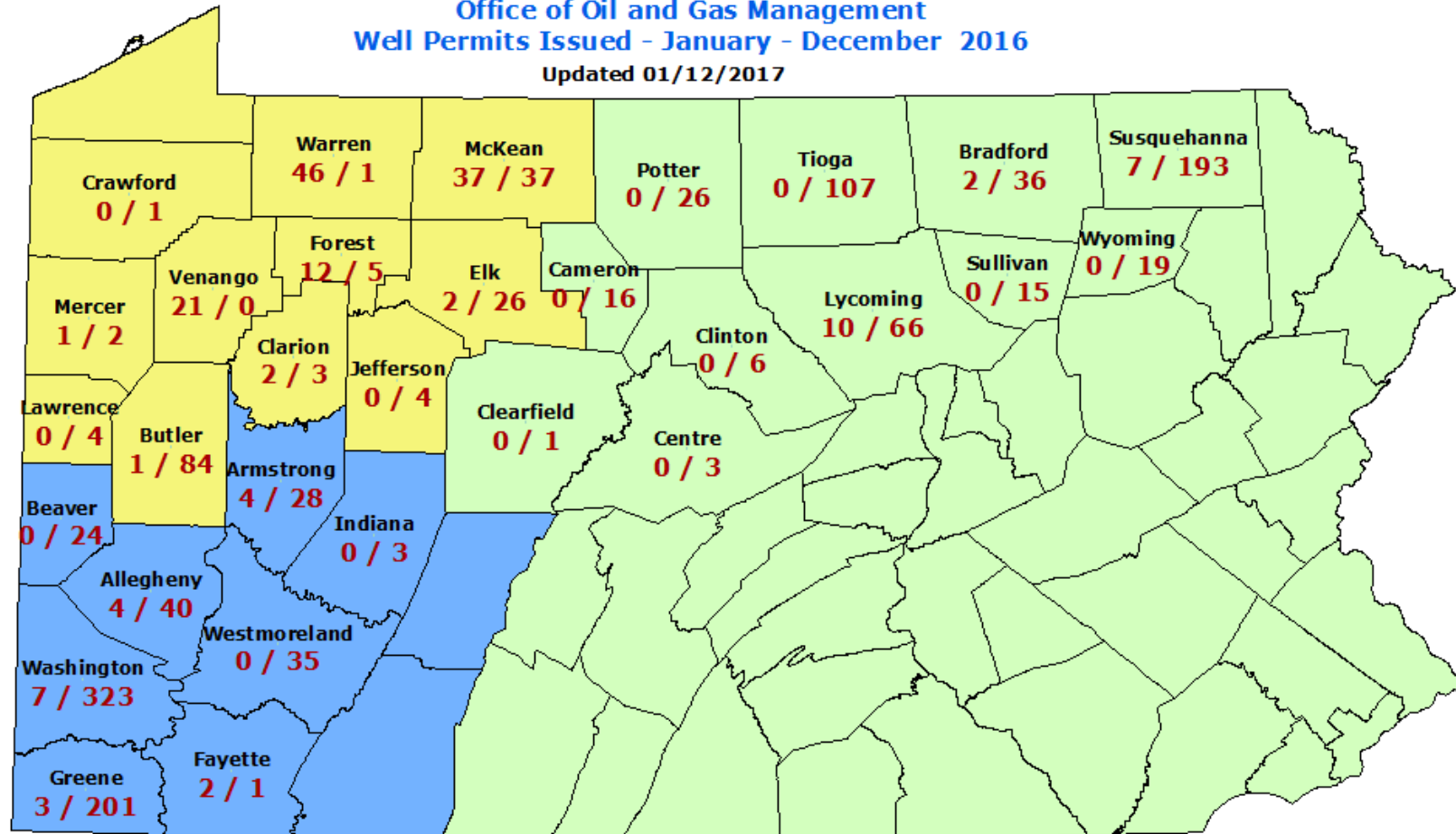
Updated 12/07/2016



Unconventional Permits Issued - 1209 Unconventional Wells Drilled - 442

Department of Environmental Protection
Office of Oil and Gas Management
Well Permits Issued - January - December 2016

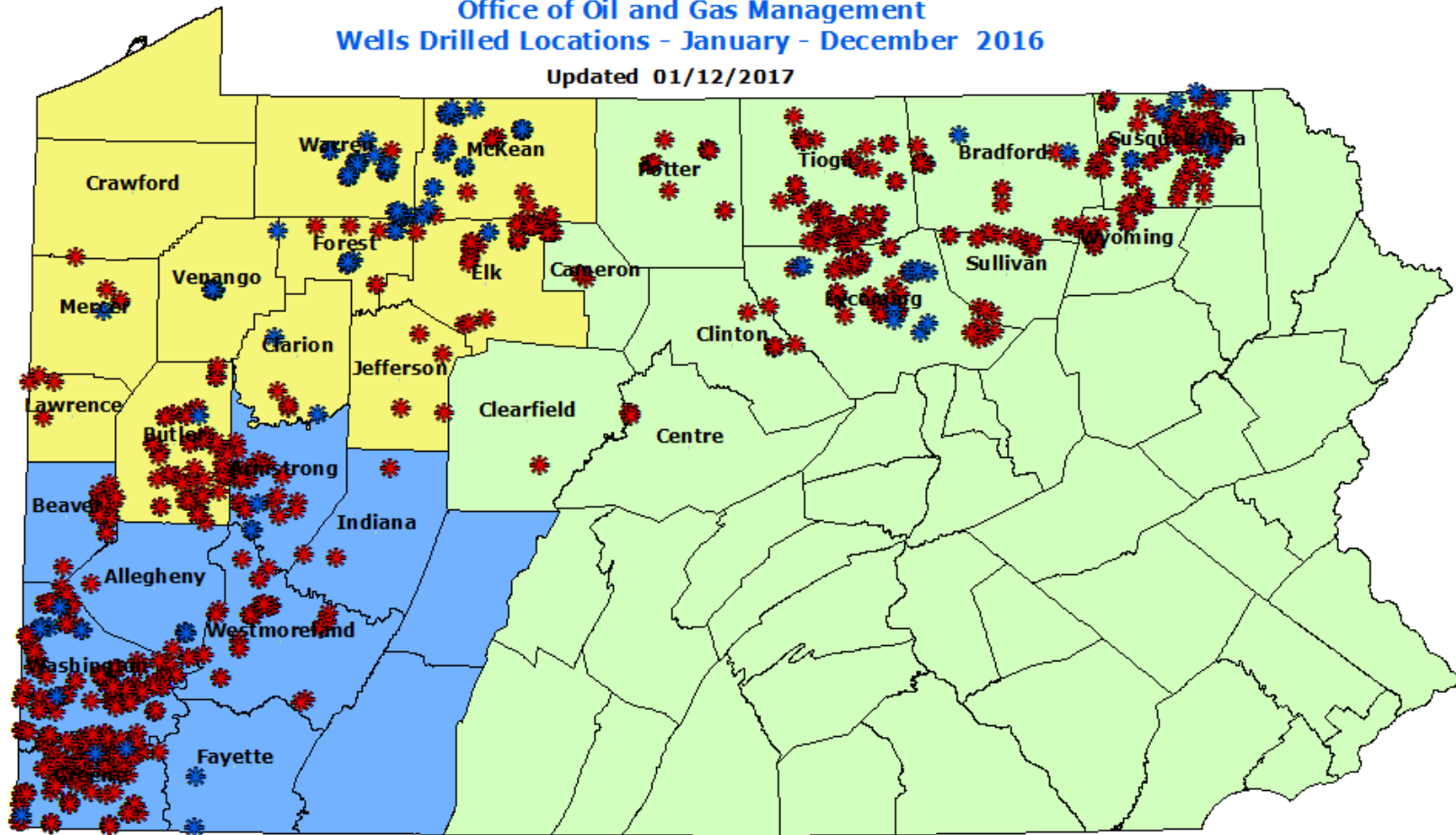
Updated 01/12/2017



Conventional - 161 + Unconventional - 1310 = Total - 1471

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - December 2016

Updated 01/12/2017

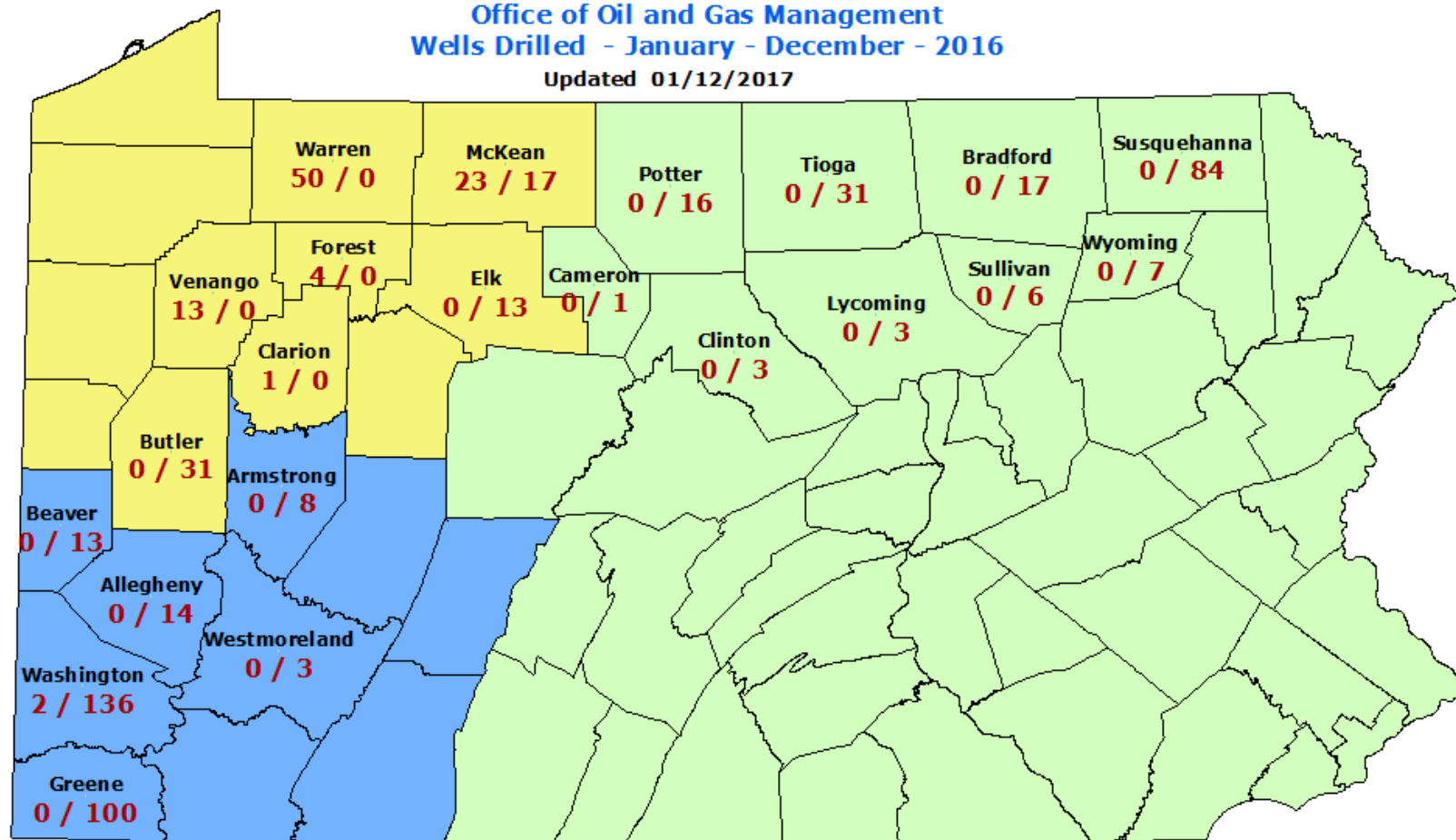


✱ Conventional Wells

✱ Unconventional Wells

Conventional - 161 + Unconventional - 1310 = Total - 1471

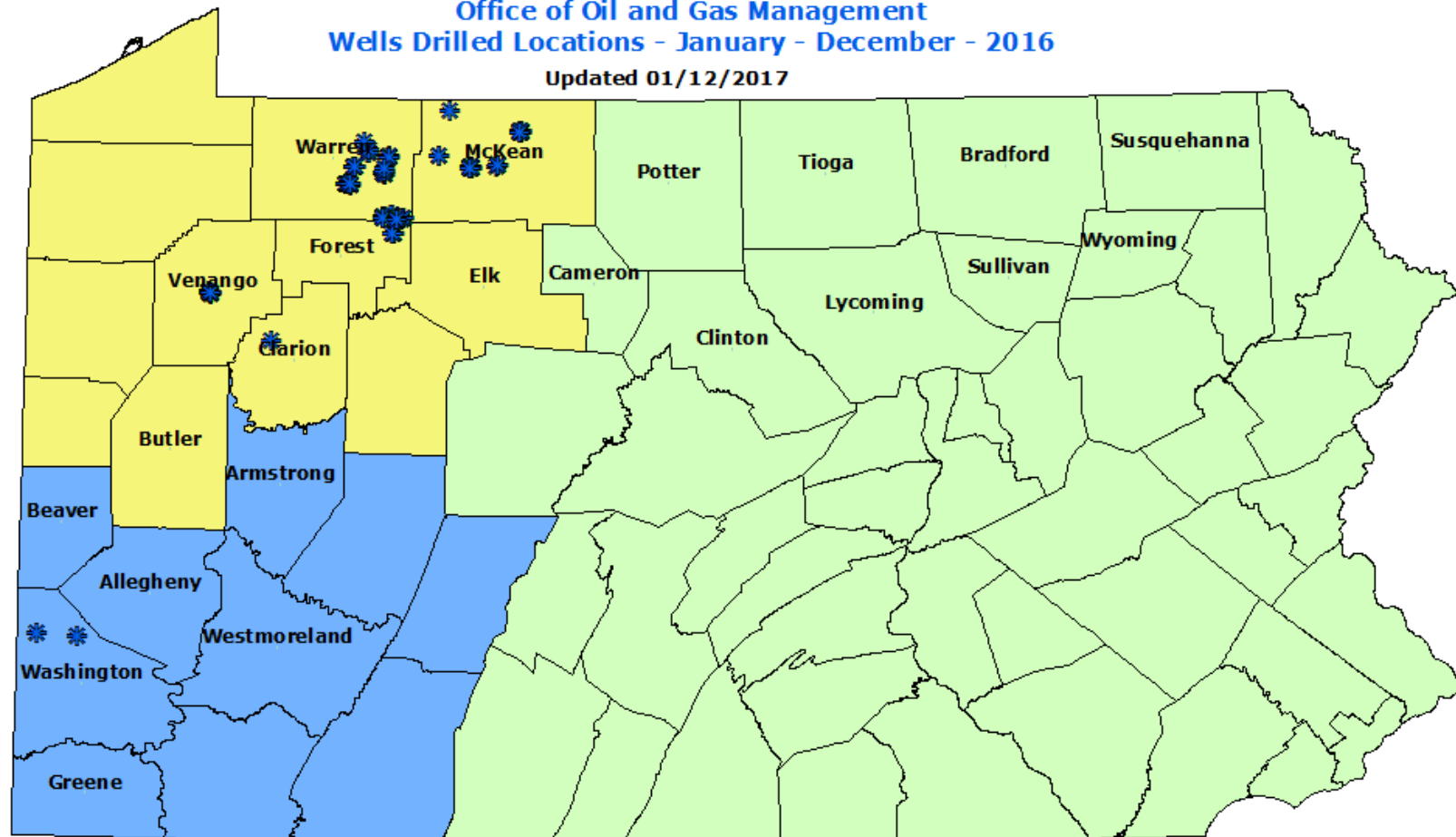
Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled - January - December - 2016
Updated 01/12/2017



(Conventional) - 93 + (Unconventional) - 503 = Total - 596

Department of Environmental Protection
Office of Oil and Gas Management
Wells Drilled Locations - January - December - 2016

Updated 01/12/2017



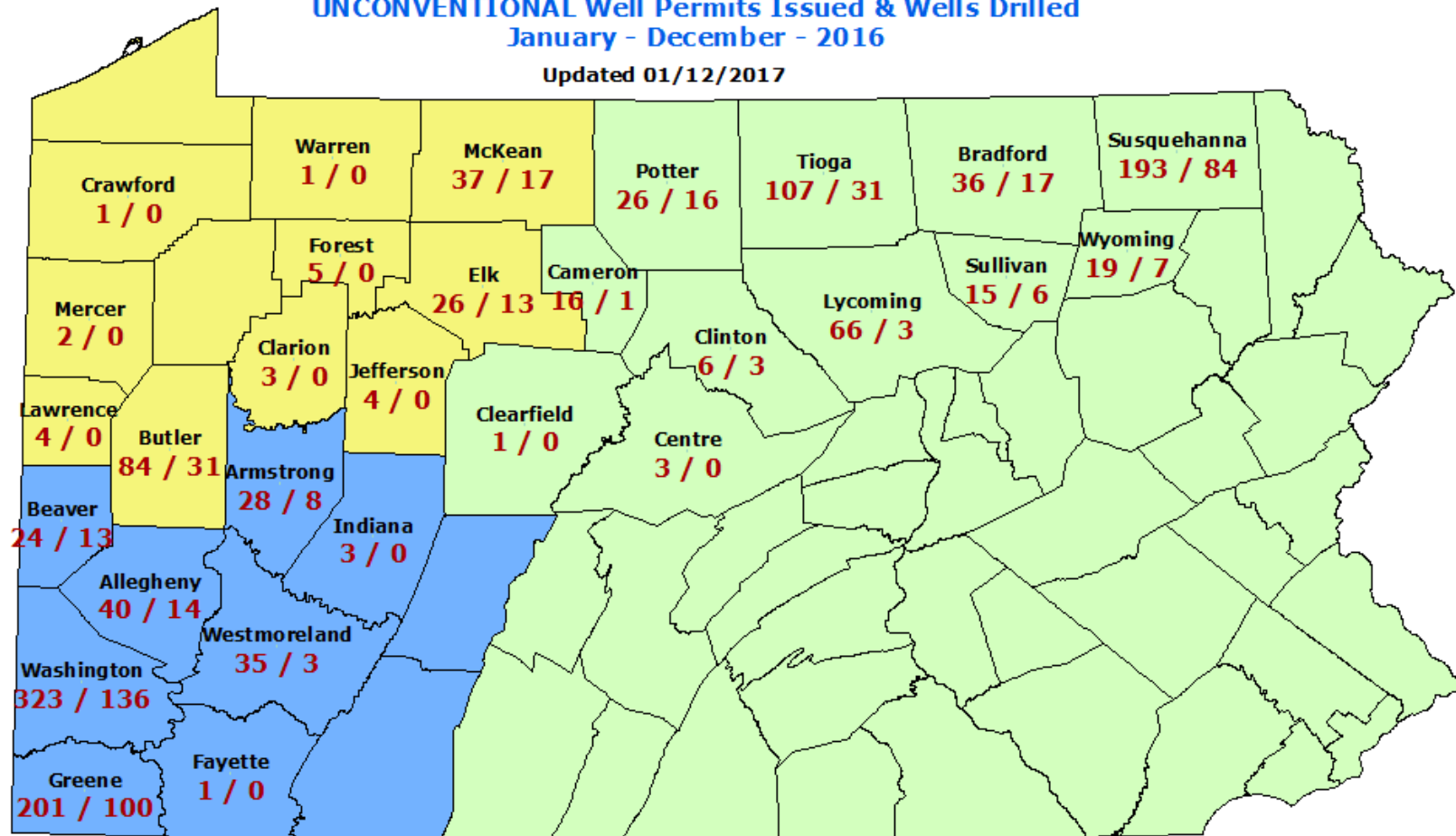
* Conventional Wells

* Unconventional Wells

(Conventional) - 93 + (Unconventional) - 503 = Total - 596

Department of Environmental Protection
Office of Oil and Gas Management
UNCONVENTIONAL Well Permits Issued & Wells Drilled
January - December - 2016

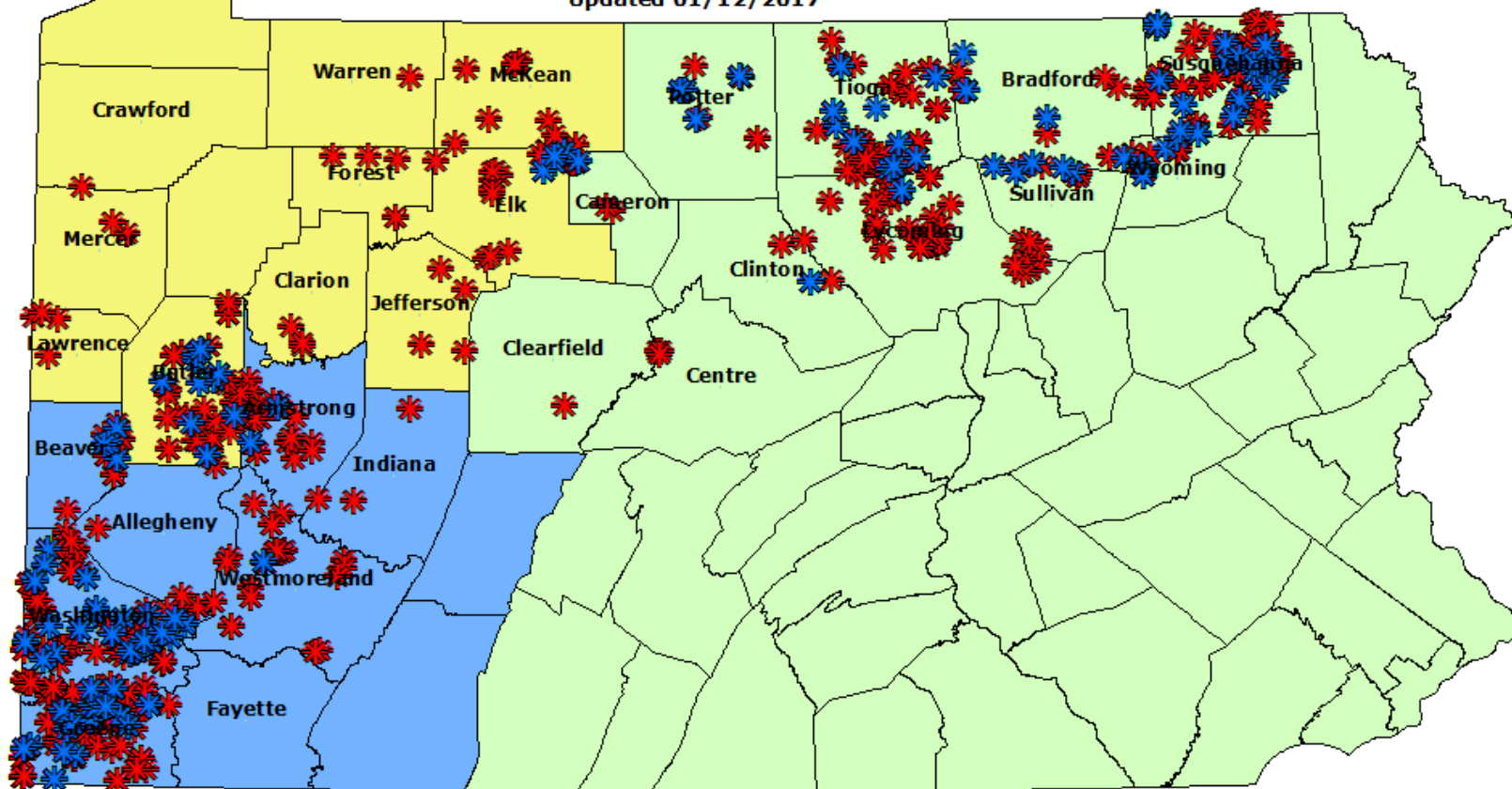
Updated 01/12/2017



Unconventional Permits Issued - 1310 Unconventional Wells Drilled - 503

January - December - 2016

Updated 01/12/2017



Unconventional Permits Issued - 1310 Unconventional Wells Drilled - 503