



Oklahoma Geological Survey
Dr. Jeremy Boak, Director

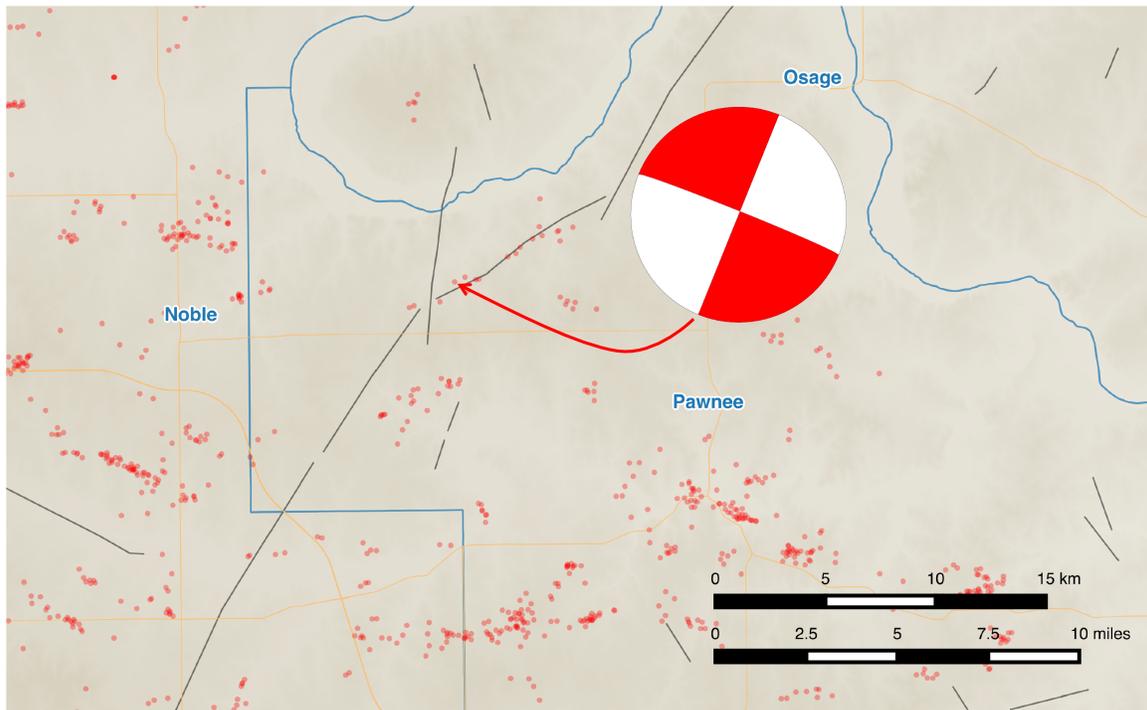
Pawnee Earthquake Fact Sheet

Date/Time: 09/03/2016 7:02 am (CDT)

Magnitude: 5.6 M_{wr} (main shock)

Location: 9.3 miles (15 km) NW of Pawnee, Oklahoma

Depth: 3.5 miles (5.6 km)



Preliminary Statement

The M5.6 earthquake this morning was felt across Oklahoma and many neighboring states. This was a strike-slip event that happened on a splay off of the southern end of the Labette Fault. The Oklahoma Geological Survey is coordinating with the USGS, other state agencies, and university researchers to evaluate the situation and mitigate seismic hazards.

Aftershock Advisory

The magnitude 5.6 earthquake that occurred in Pawnee County has already triggered aftershocks. Aftershocks are earthquakes that occur following a large earthquake, in the same general area as the earthquake, ranging from days to even a few years. The likelihood of an aftershock being larger than this earthquake is about 5%. Aftershocks have the potential to create damage, just like other earthquakes and are a normal occurrence after large earthquakes. They may be expected to continue and become less frequent with time. If you have observed damage to your residence or workplace, please note that further damage from aftershocks is possible.

Oklahoma Earthquakes

Nearly every county in Oklahoma has had an earthquake located within its boundaries. Earthquakes within the central United States can be felt by a significant percentage of the population over a widespread area, with the felt area being more than ten times larger than a similar earthquake on the West Coast. Moreover, damage may occur at greater distances from the epicenter. We encourage residents to report experiences to the USGS Did You Feel It? website: <http://earthquake.usgs.gov/data/dyfi/>

In the event of another earthquake or aftershocks, use the following protective protocol:



- Drop to the ground
- Cover your head and neck
- Hold on to any sturdy covering

Future Updates



OGS website: ogs.ou.edu



Twitter: [@OKearthquakes](https://twitter.com/OKearthquakes)



Facebook: [Oklahoma Geological Survey – Earthquake Notices](https://www.facebook.com/OklahomaGeologicalSurvey)



USGS earthquake website: earthquake.usgs.gov/earthquakes/