



Office of the Oklahoma
Secretary of Energy
and Environment



Oklahoma Seismic Activity

NGA Energy Policy Advisors

Washington DC

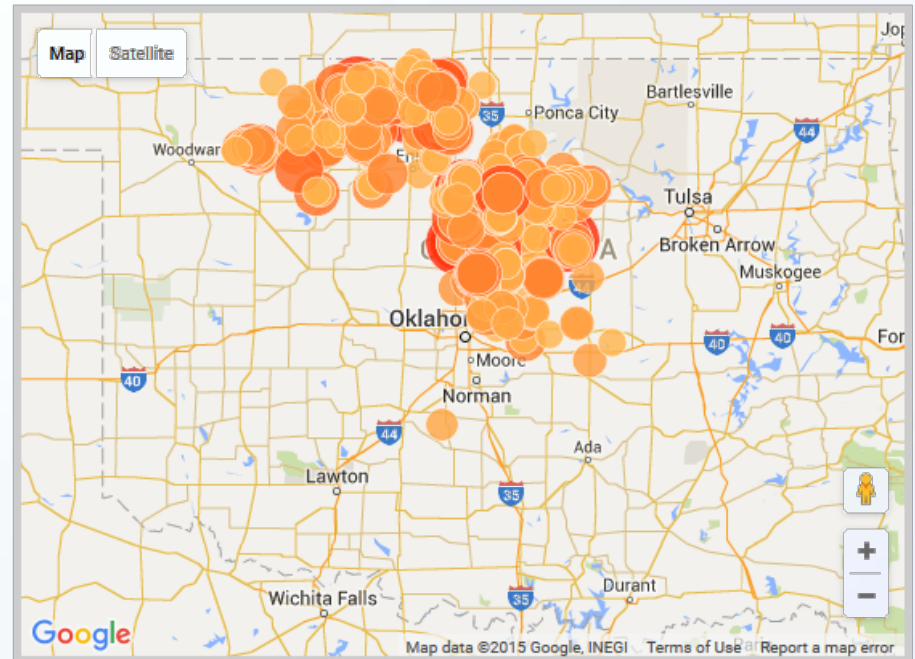
June 23, 2016



Seismicity in Oklahoma

- 36 M3+ earthquakes in 2012
- 109 M3+ earthquakes in 2013
- 585 M3+ earthquakes in 2014
- 907 M3+ earthquakes in 2015
- 387 M3+ so far in 2016

EARTHQUAKES IN OKLAHOMA EARTHQUAKE MAP



Source: Oklahoma Geological Survey, <http://www.earthquakes.ok.gov>



Coordinating Council on Seismicity

Bring together the right people and fix the problem

State Agencies

Corporation Commission
Geologic Survey
Energy Resources Board
Water Resources Board

Oil & Gas Industry

Oklahoma Independent Petroleum Assoc
Oklahoma Oil and Gas Assoc

NGOs

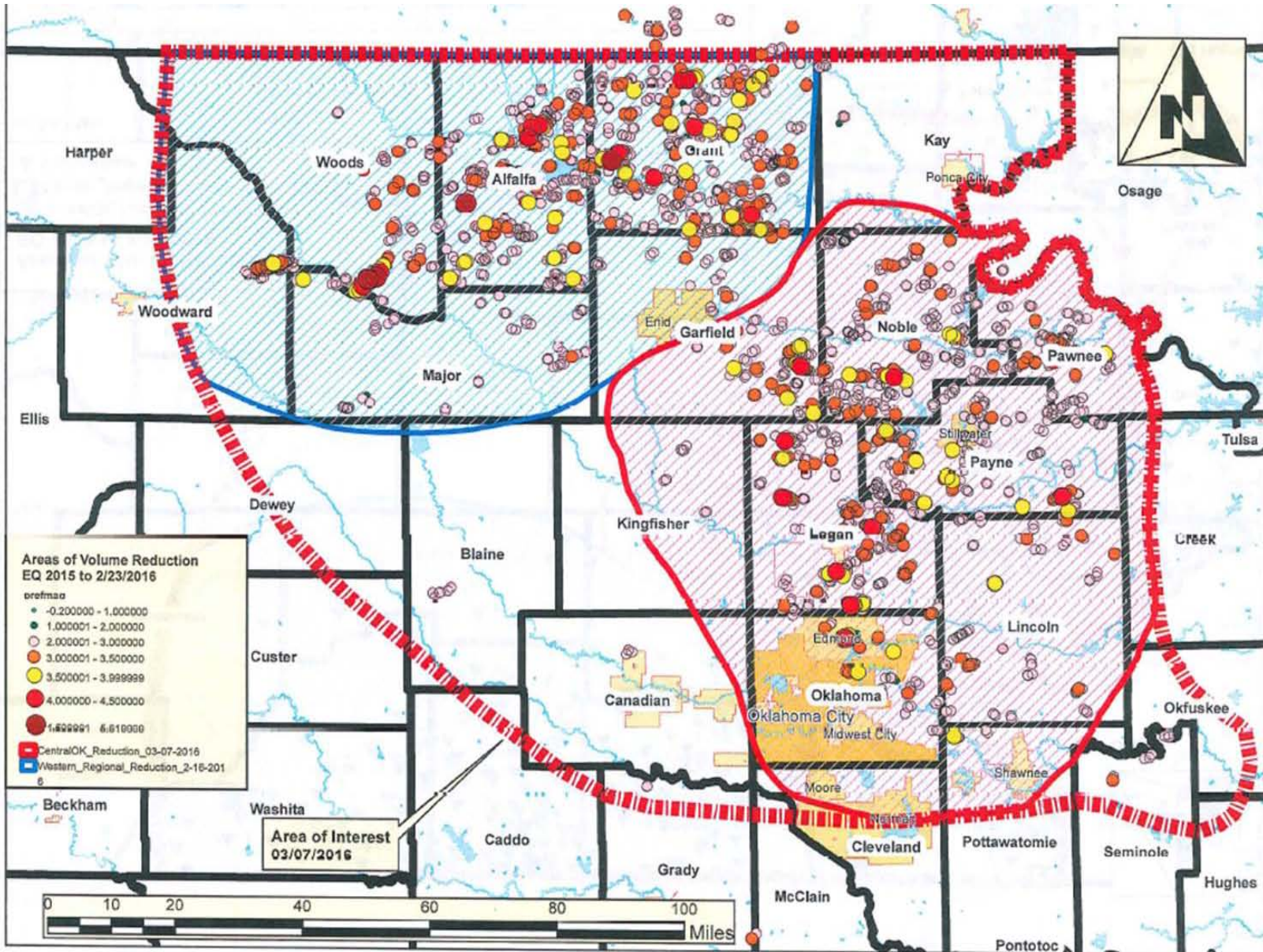
Ground Water Protection Council

Research/Academics

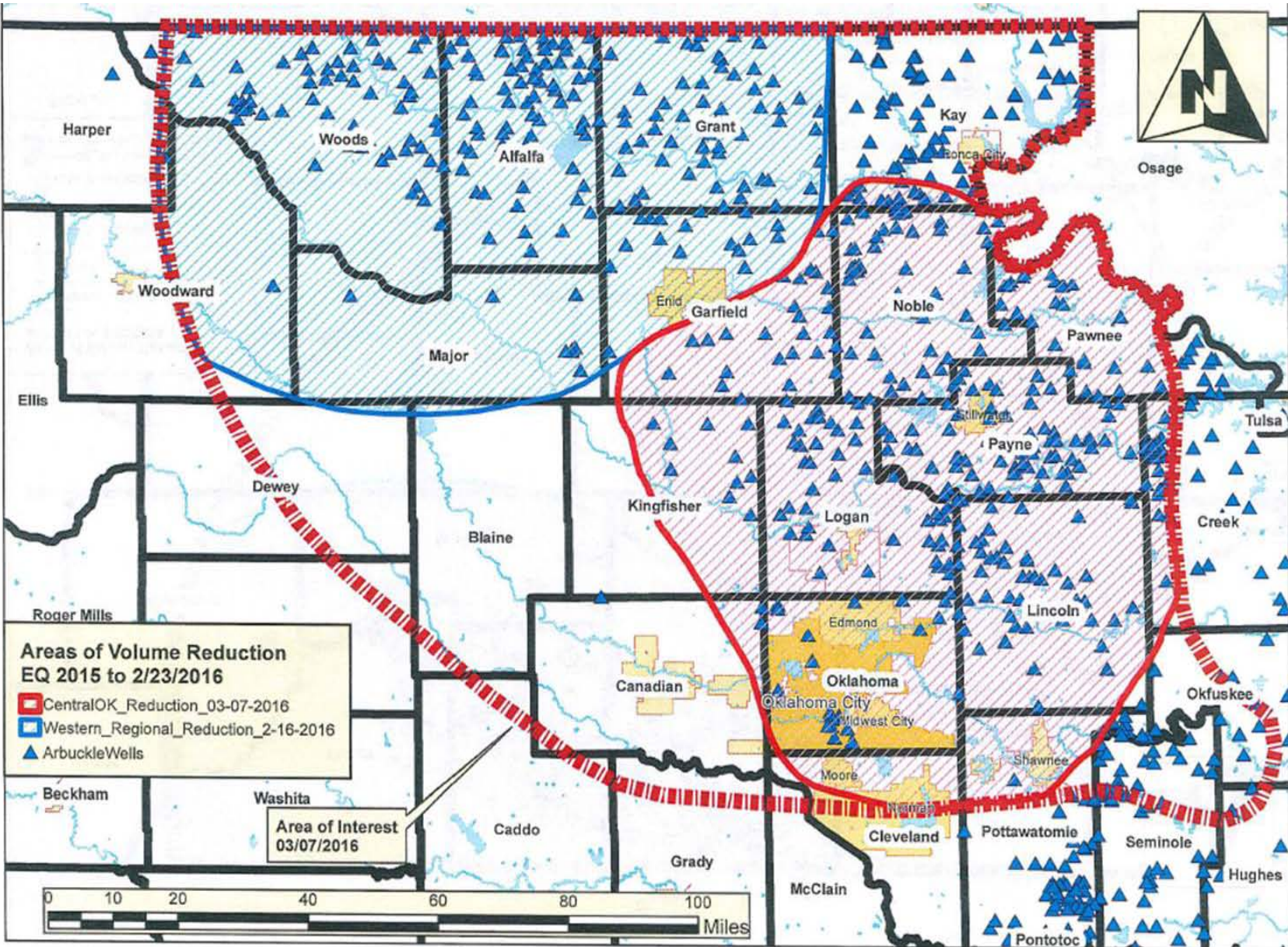
Univ of Oklahoma
Oklahoma State Univ
Univ of Tulsa



Where are We Focused

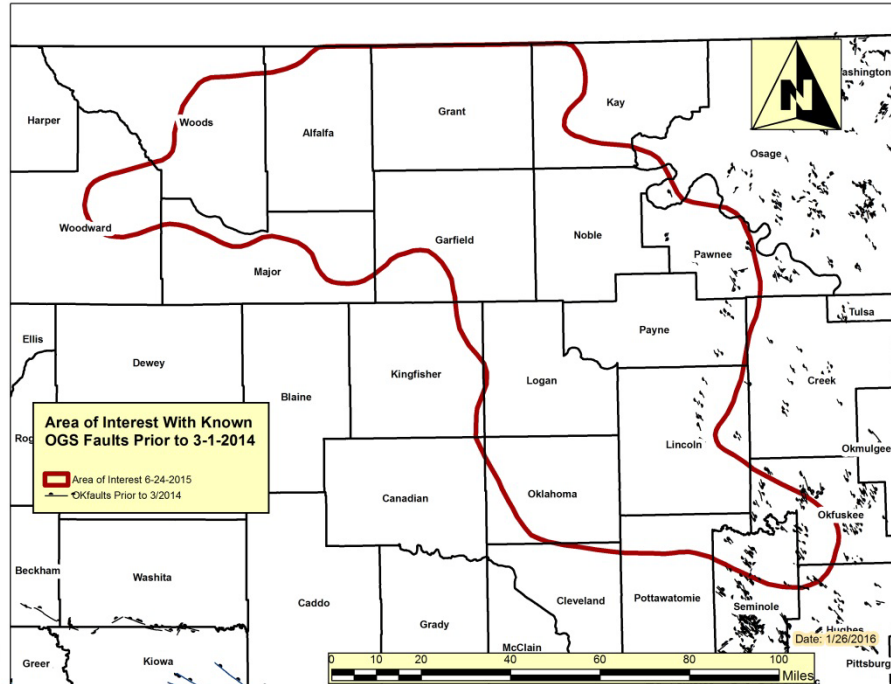


Where are We Focused

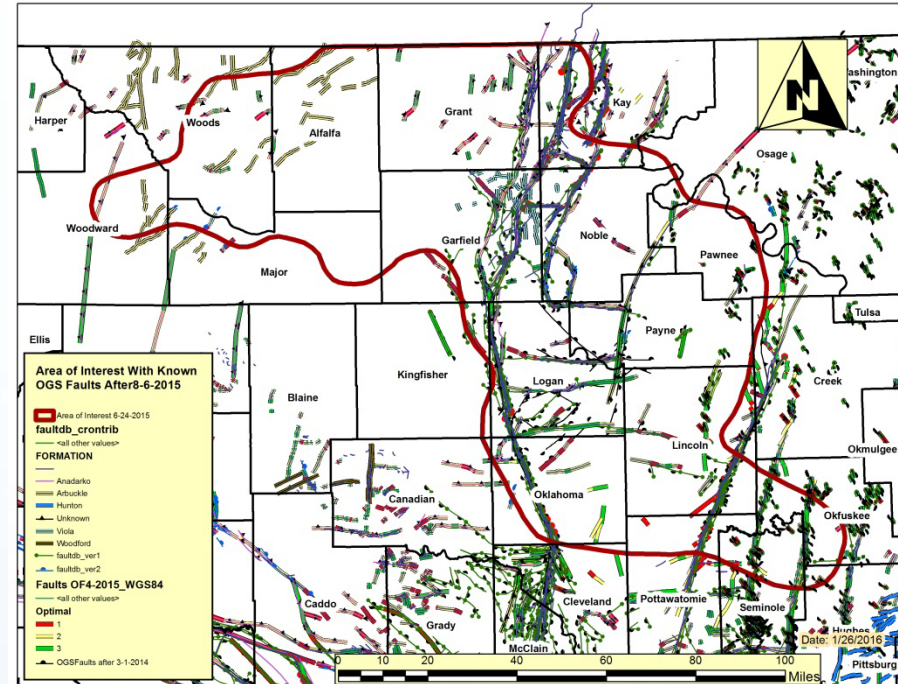


Need Additional Fault Mapping

Prior to 3-1-2014



After 8-6-2015



- OK has had a seismic monitoring network since late 1970s
- Industry has provided extensive data to improve our mapping
- Governor directed funds for additional monitors and to update the network



2016 Media Coverage

Newsweek

 REUTERS



PBS 
**NEWS
HOUR**

TIME



Earthquakes.OK.Gov



HOME ABOUT US WHAT WE KNOW WHAT WE ARE DOING FADS NEWS COORDINATING COUNCIL EARTHQUAKE PREPAREDNESS



EARTHQUAKES in OKLAHOMA

The Office Of The Oklahoma Secretary of Energy and Environment

A one-stop source
for information on
earthquakes in Oklahoma.



WHAT WE KNOW

We know that Oklahoma experienced 907 magnitude 3+ earthquakes in 2015, 585 magnitude 3+ earthquakes in 2014 and 109 in 2013. This rise in seismic events has the attention of independent scientists, citizens, policymakers, media and industry. See what information and research state officials and regulators are relying on as the situation progresses.

[Learn More](#)



WHAT WE ARE DOING

In September 2014, Governor Fallin directed the Oklahoma Secretary of Energy and Environment to assemble the Coordinating Council on Seismic Activity. The body's primary responsibility is to work cooperatively to develop solutions, identify gaps in resources and coordinate efforts among state agencies, researchers and the state's oil and gas industry.

[Learn More](#)



EARTHQUAKE MAP

Click below for a map that shows wastewater disposal wells and recent earthquakes in Oklahoma.

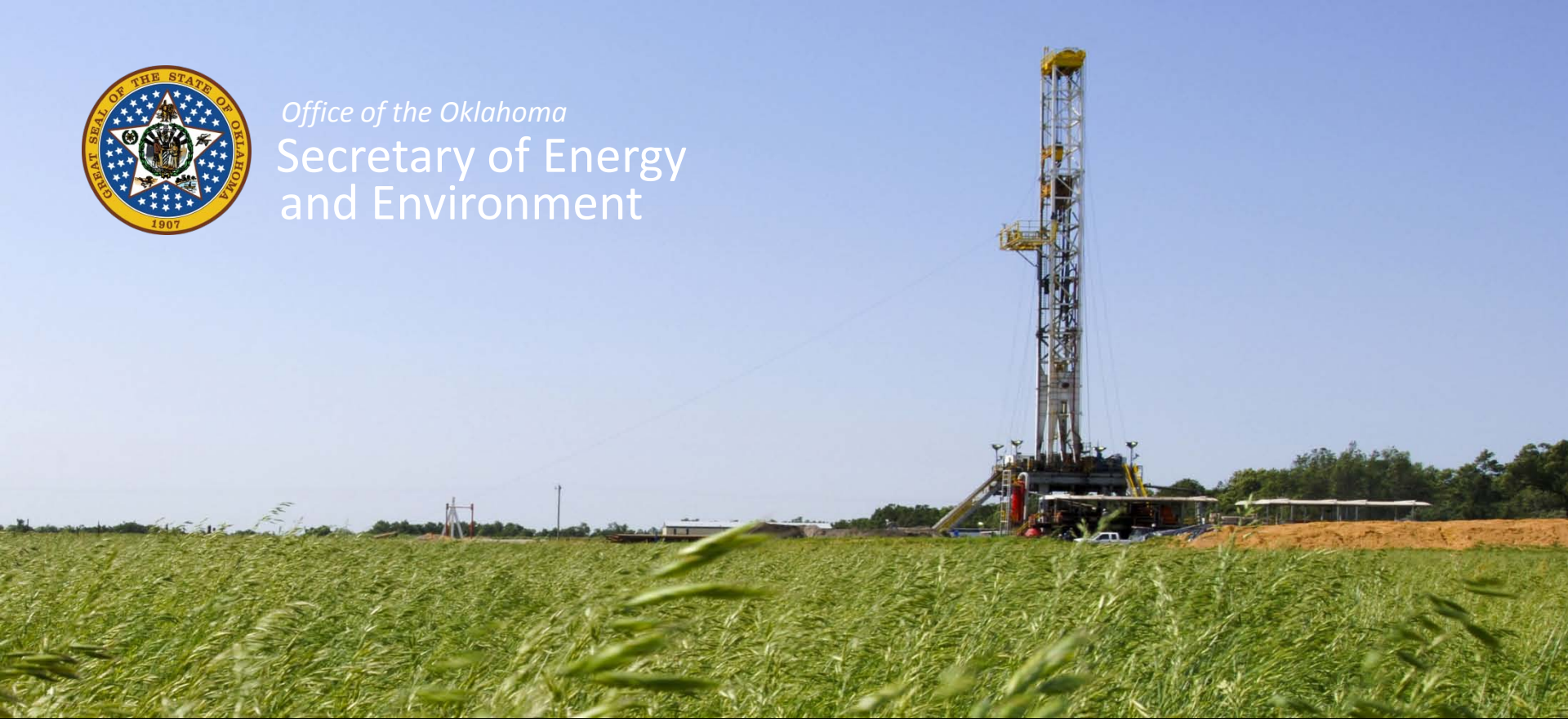
[Learn More](#)

WELCOME TO EARTHQUAKES.OK.GOV





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