



Office of the Oklahoma
**Secretary of Energy
and Environment**



Seismic Activity Update

Michael Teague

Secretary of Energy and Environment
State of Oklahoma

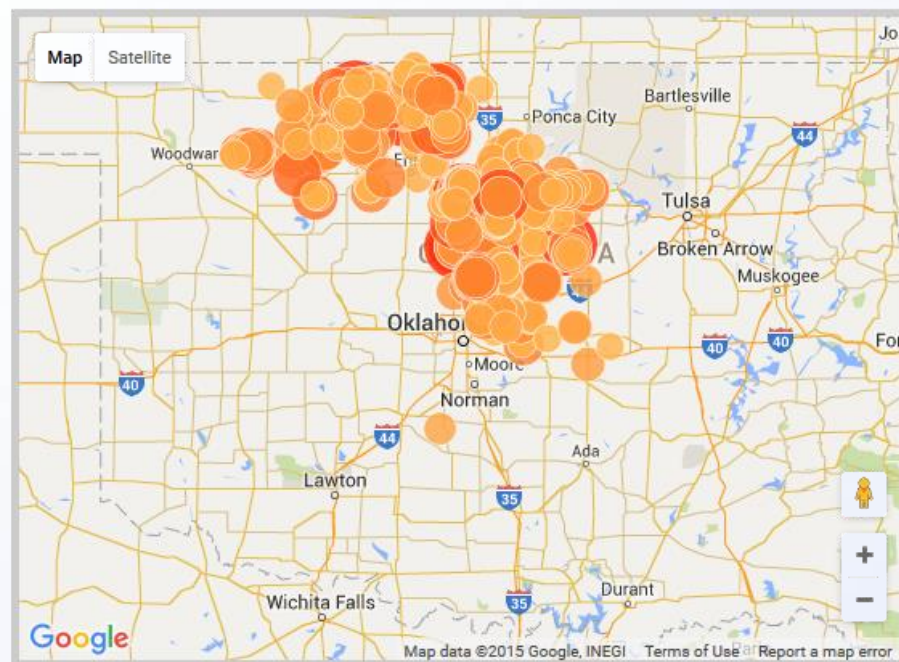
February 18, 2016



Seismicity in Oklahoma

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

EARTHQUAKES IN OKLAHOMA EARTHQUAKE MAP

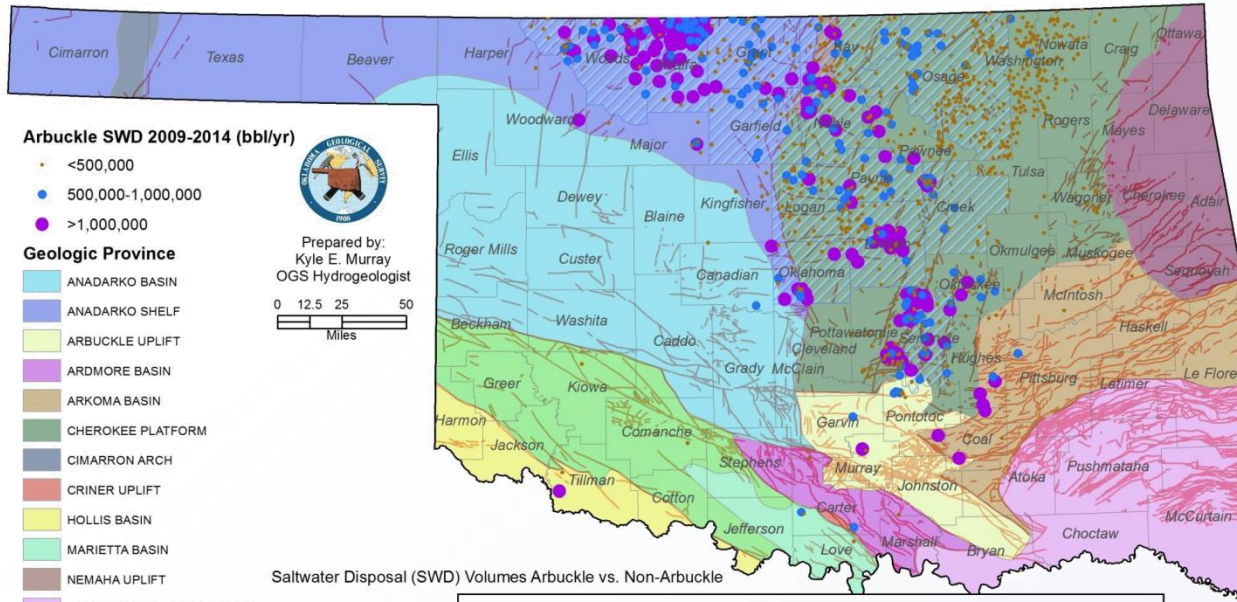


Note: Only Earthquakes with a magnitude of 3.0 and higher are displayed.



Produced Water in Oklahoma

In 2014,
1529
MMbbl of
water was
disposed
in SWD
wells in
Oklahoma



Saltwater Disposal (SWD) Volumes Arbuckle vs. Non-Arbuckle



~~Beneficial Use of Produced Water~~ Drought Resiliency

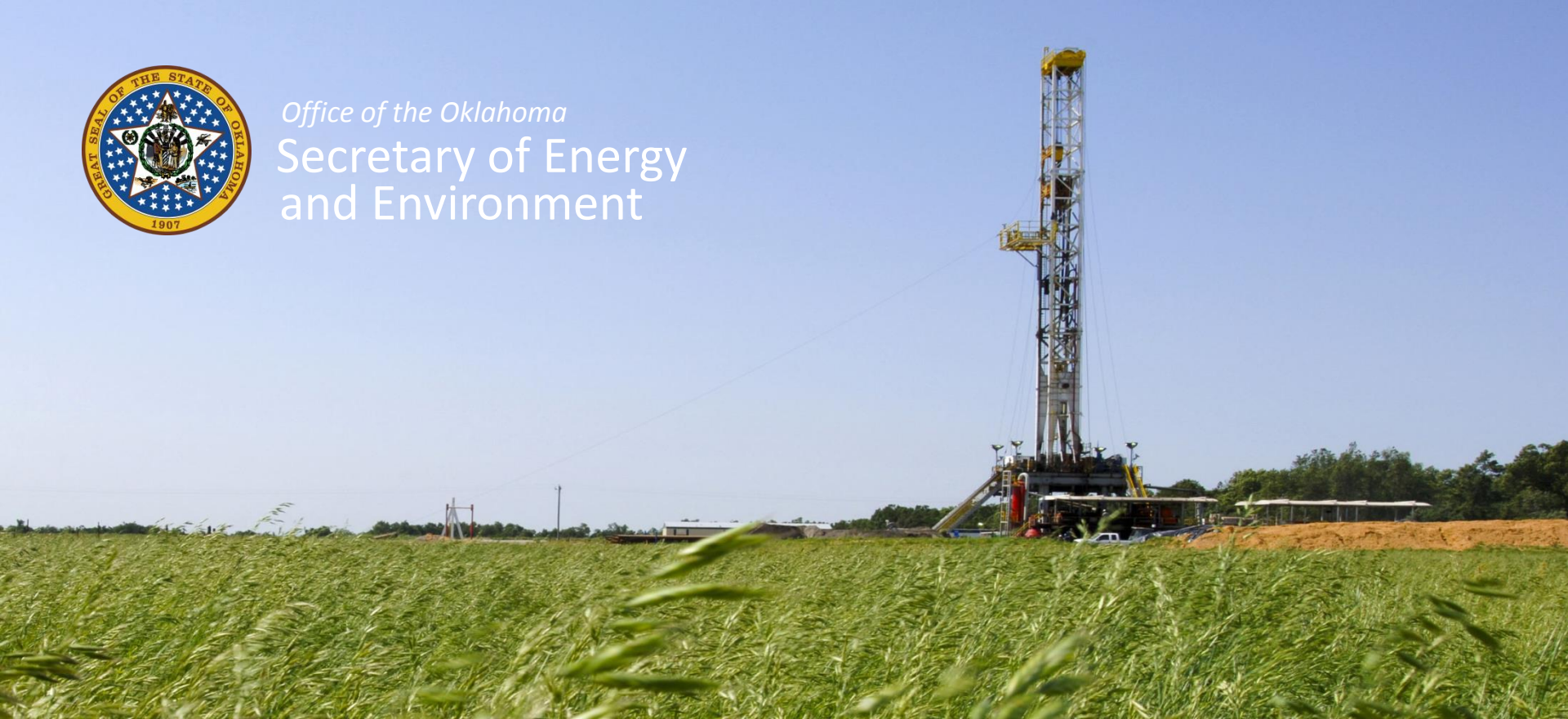


Wrapped in a Regulatory Framework that creates the space for innovation
while always protecting our environment





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