

LEADING A RESPONSIBLE ENERGY FUTURE™



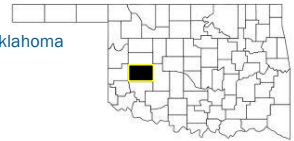
## SEISMIC INTEGRATION OF THE COLONY GRANITE WASH

MIKE MILLER - CHESAPEAKE

# OVERVIEW



A review of Chesapeake's efforts to improve the results in the Colony Granite Wash Play located in Washita, Oklahoma



- **Geologic Model**

- > Turbidite fan system
- > Three major flow units

- **Geophysical Integration**

- > Fully integrating the 3D seismic with the geologic mapping
- > Using seismic impedance to map lithology

- **Refined Geologic Mapping**

- > Updated geologic maps to improve economics and issues with drilling
- > Better prediction of economic reservoirs

- **Implementation of the Process**

- > Integration of the seismic with geologic maps have found new successful locations
- > Continue to test new ideas based on the integrated effort

- **The Seismic Potential**

- > Extracting reservoir properties for seismic inversions

- **Business Impacts**