

Using Surface Seismic to Improve Gas Shale Profitability

David Paddock

Schlumberger

Shale plays have increasingly become recognized as geological plays demanding new insights from data. This one-hour presentation provides an overview of the integrated use of 3D seismic data for exploration and development in major shale plays in the continental U.S., with applicability worldwide. The presentation provides a petrophysical, geophysical and geomechanical background of the major shale plays and discusses how to high-grade using seismic. The presentation includes discussion of the following plays:

- * Barnett
- * Marcellus
- * Fayetteville
- * Woodford
- * Eagle Ford
- * Bakken
- * Haynesville