East Texas / North Louisiana Geological Overview



Key Points

- Top tier oil and gas producing basin in the United States – multiple stacked pay horizons across large area with extensive and welldeveloped infrastructure
- Well-understood reservoir dynamics and geological characteristics over a stacked pay geologic column with significant well & seismic control
 - Extensive technical data set; including cores & micro-seismic, plus 1,037 mi² 3-D; 8,000 line miles of 2-D
 - Recent focus by industry towards areas with a higher liquids component (TX side)
- Mid-Bossier shale play lies above the Haynesville
 - Similar geology and reservoir properties to the Haynesville
 - Significant stacked lateral upside in Shelby Trough area on the Texas side of the play
 - Maturing shale play, with ~200 Hz wells drilled to date
- The Cotton Valley and Taylor Sand plays are stratigraphically above the Haynesville and are a series of fine-grained deltaic to barrier-bar type sand reservoirs
 - Liquids-rich; 20-35% of well stream
 - High vertical and horizontal well control
 - Stacked undeveloped Taylor potential
- Additional opportunities exist in vertical Travis Peak Sands, Pettit Lime & James Lime







