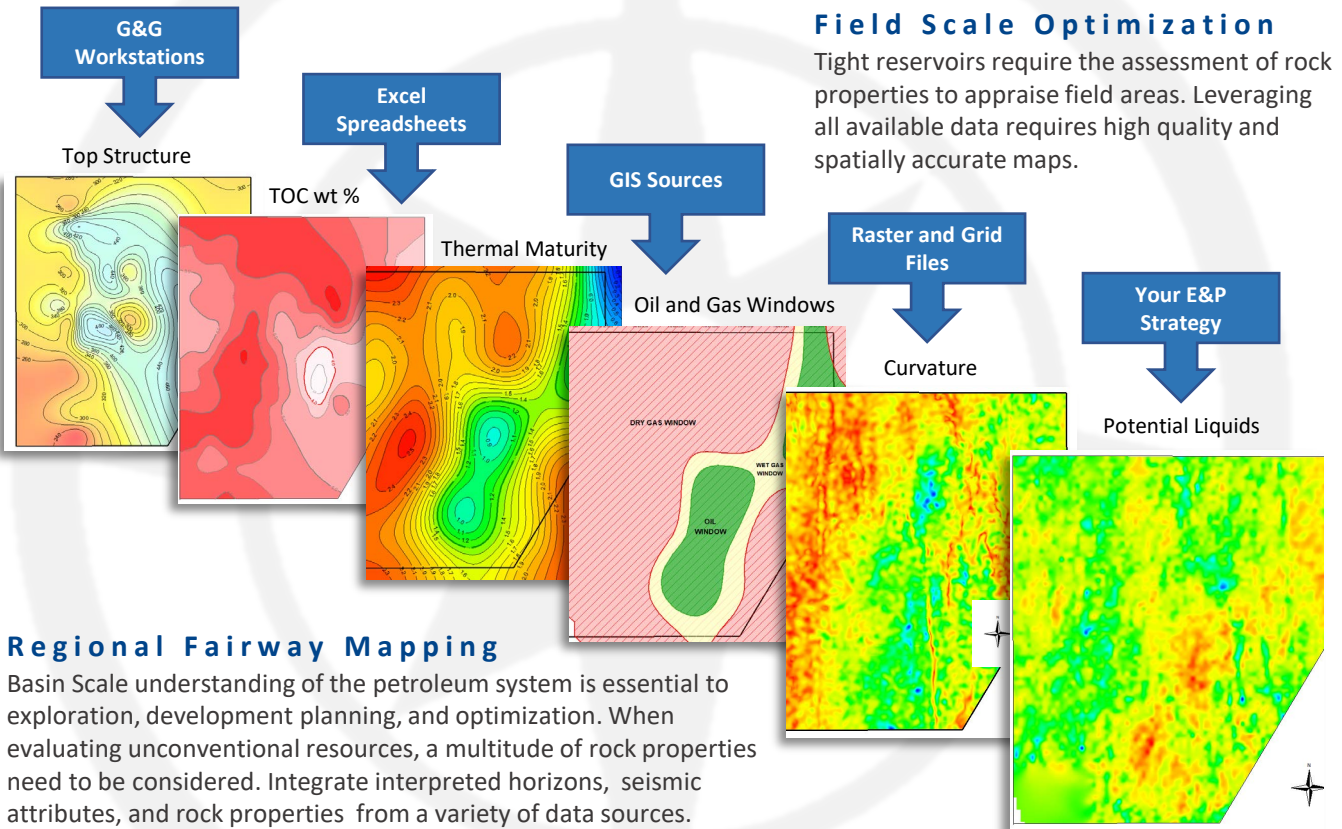# Mapping Unconventional Resources

Optimizing the value of Unconventional Resources requires integration of a variety of rock properties from the basin scale to the scale of individual well bores. Appropriate comparison of geological, geophysical, and petrophysical observations, overlain by the reality of surface land tenure and infrastructure availability enables successful exploration, appraisal, and development planning.

Petrosys PRO is a highly flexible mapping toolset the allows integration of structural, geochemical, thermal model, image and seismic attribute data through computation on fault aware grids. Accurate depth grids can be combined with computed liquid potential attributes to determine potential reserves and plan field development.

### Field Scale Optimization

Tight reservoirs require the assessment of rock properties to appraise field areas. Leveraging all available data requires high quality and spatially accurate maps.

**G&G Workstations**

Top Structure

**Excel Spreadsheets**

TOC wt %

Thermal Maturity

**GIS Sources**

Oil and Gas Windows

DRY GAS WINDOW

WET GAS WINDOW

OIL WINDOW

**Raster and Grid Files**

Curvature

**Your E&P Strategy**

Potential Liquids

### Regional Fairway Mapping

Basin Scale understanding of the petroleum system is essential to exploration, development planning, and optimization. When evaluating unconventional resources, a multitude of rock properties need to be considered. Integrate interpreted horizons, seismic attributes, and rock properties from a variety of data sources. Publish and share results as layered PDFs, for easy review by peers, management, and external entities.

**Successful Field Development**