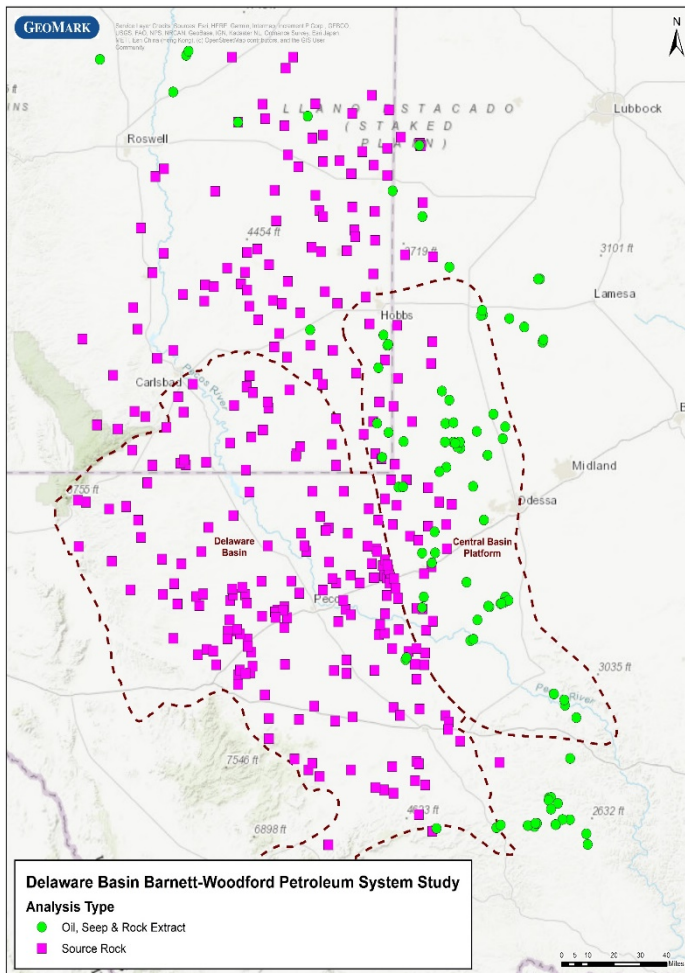


## Petroleum Geochemistry of the Leonardian Oils & Source Rocks from the Delaware Basin

Detailed Analysis of Source Rock, Oil and Gas Samples from the Leonardian of the Delaware Basin



GeoMark Research has completed an analysis of produced oil and source rock from the Leonardian section of the Delaware Basin. This work characterizes the nature of the organic rich sections of the Avalon and Bone Springs formations, as well as the association produced fluids and contrasts them with known Wolfcamp properties.

This work is based on a proprietary dataset of 60 fluid samples and 1,000 source rock samples as well as 100 source rock extracts. This interpretive assessment is finished and ready for delivery as a PDF and ArcGIS product. Data used in this interpretation is available for a separate subscription fee. Please contact GeoMark research for more information.

Key observations from this analysis include:

- Criteria for determining in-situ oil generation vs migrated fluids
- Discrimination of Bone Spring vs Avalon vs Wolfcamp generated oil parameters.
- Correlation of reservoir conditions with measured fluid properties for GOR and API prediction.

**Well Count: 70**  
**Oil Samples: 60**  
**Source Rock Samples: 1000**

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