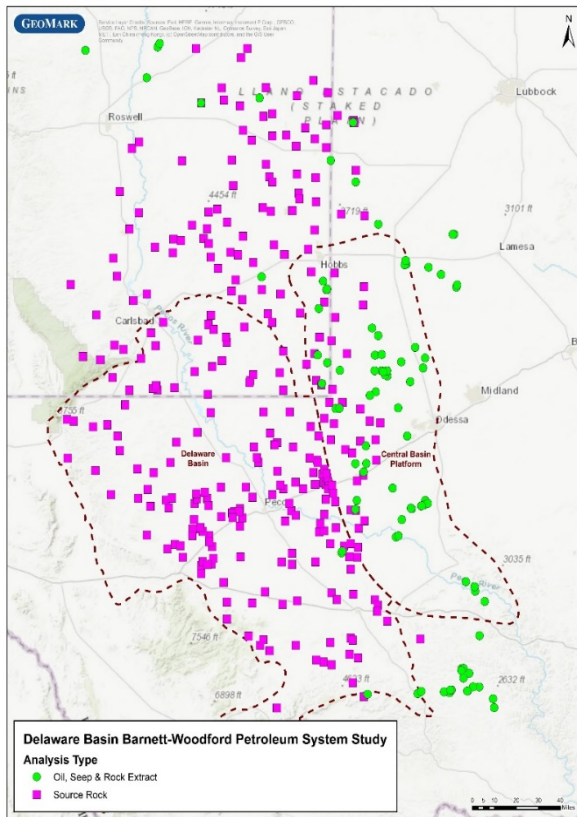


Petroleum Geochemistry of the Guadalupian-Sourced Oils from the Delaware Basin

Regional Petroleum Geochemistry of Oil and Source Rock Samples from the Guadalupian Formation of the Delaware Basin



GeoMark Research has completed an evaluation of the geochemistry of the Guadalupian-aged source rocks in the Permian Basin. This study clearly ties oils produced from Delaware Mountain Group reservoirs to Brushy Canyon source rocks using advanced extract analysis unique to GeoMark Research. The thermal maturity of the oils is also compared to the maturity of the source rocks, further establishing the link. This study is pivotal in fully understanding the potential additional resources related to the Guadalupian sequence.

This work is based on a proprietary dataset of more than 100 fluid samples and over 1,700 source rock samples from 61 wells.

Key observations from this analysis include:

- Guadalupian fluid family defined in context of other Permian oils, including those from Wolfcamp and Woodford shales.
- Advanced GC/MSMS oil analysis for detailed maturity estimates and source facies.
- Fluid property variations related to migration of fluids from other, deeper sources that affect GOR/API.

This assessment is finished and ready for delivery as a PDF and ArcGIS product. The purchase price includes a perpetual license to all study documents and a 3-year subscription to the raw dataset.

Well Count: 61
Oil Samples: 122
Source Rock Samples: 1732

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