

Java and Sumatra Oil Study

Regional Petroleum Geochemistry of Crude Oils from Sumatra, Java and Eastern Indonesia



GeoMark Research has completed a regional assessment of petroleum systems present from the western tip of Sumatra, across the island of Java and into the East Java Sea and Madura. This study includes detailed fluid characterization of 121 crude oils samples, including quantitative biomarkers (terpanes and steranes), saturate and aromatic carbon isotopes, and gas chromatography. This analysis is used to describe the generating source organofacies and maturity to better delineate the extent of productive source kitchens and associated fluid phases. This work is presented to reduce risk and narrow the uncertainty associated with exploration activities within this high potential area.

Key observations from this analysis include:

- Discussion and identification of key risks associated with source presence, effectiveness, and charge in each sub-basin.
- Maps of oil family distribution, based on organofacies and maturity analysis to highlight additional areas of potential.
- Identification of polyhistory and mixed charge with application to advanced fluid quality prediction.

The purchase price includes a perpetual license to all study documents and a 3-year subscription to the data. This study is available for immediate delivery

Well Count: 113
Oil Samples: 121

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