

KEY TO ROCK-EVAL PYROLYSIS DATA SHEET

<u>PARAMETER</u>	<u>SPECIFICITY</u>
T max position of S ₂ peak in temperature program (°C)	Maturity/Kerogen type
S ₁ kg hydrocarbons (extractable)/tonne rock	Kerogen type/Maturity/Migrated oil
S ₂ kg hydrocarbons (kerogen pyrolysate)/tonne rock	Kerogen type/Maturity
S ₃ kg CO ₂ (organic)/tonne rock	Kerogen type/Maturity *
S ₁ + S ₂ Potential Yield	Organic richness/Kerogen type
PI Production Index (S ₁ /S ₁ + S ₂)	Maturity/Migrated Oil
PC Pyrolysable Carbon (wt. percent)	Organic richness/Kerogen type/Maturity
TOC Total Organic Carbon (wt. percent)	Organic richness
HI Hydrogen Index (mg h'c (S ₂)/g TOC)	Kerogen type/Maturity
OI Oxygen Index (mg CO ₂ (S ₃)/g TOC)	Kerogen type/Maturity *

*Also subject to interference by CO₂ from decomposition of carbonate minerals.