

# ANA-LOG

## HYDROCARBON SOURCE ROCK EVALUATION

<ul style="list-style-type: none"> <li><input type="checkbox"/> LIME</li> <li><input type="checkbox"/> DOLOMITE</li> <li><input type="checkbox"/> CLAY</li> <li><input type="checkbox"/> SILT</li> <li><input type="checkbox"/> SAND</li> <li><input type="checkbox"/> COAL</li> <li><input type="checkbox"/> IGNEOUS</li> <li><input type="checkbox"/> META</li> <li><input type="checkbox"/> EVAPORITE</li> </ul>	IN METRES IN FEET	SAMPLE TYPE <input type="checkbox"/> CUTTINGS <input type="checkbox"/> CONV. CORE <input type="checkbox"/> SWC	$S_1$ - VOLATILE HYDROCARBONS (HC) * $S_2$ - HC GENERATION POTENTIAL $S_1 + S_2$ - TOTAL HYDROCARBON + $S_3$ - ORGANIC CO <sub>2</sub>	HI - HYDROGEN INDEX $HI = \frac{S_2}{TOC} \times 100$ OI - OXYGEN INDEX $OI = \frac{S_3}{TOC} \times 100$ T <sub>max</sub>	PORE OIL WIZDOM OIL WIZDOM WET GAS/COND THERMAL C <sub>1</sub>	INDIGENOUS KEROGEN <input type="checkbox"/> ALGINITE <input type="checkbox"/> EXINITE <input type="checkbox"/> VITRINITE <input type="checkbox"/> INERTINITE
		SAMPLE QUALITY <input type="checkbox"/> POOR <input type="checkbox"/> FAIR <input type="checkbox"/> GOOD	PI - PRODUCTION INDEX $PI = \frac{S_1}{S_1 + S_2}$	Max. Temp. S <sub>2</sub>		

LITHOLOGY (Percent)	DEPTH	ORGANIC CARBON (Percent of Rock)	PYROLYSIS YIELD (mg/g Rock)			PI	HI	OI	T <sub>max</sub> °C	VITRINITE REFLECTANCE	INDIGENOUS KEROGEN
20 40 60 80		.25 .5 1 2 4	S <sub>1</sub> : S <sub>1</sub> +S <sub>2</sub>	S <sub>3</sub>		.2 .4	100 200 300	435 480	.8 1.2 1.8	25 50 75	

