Figure 10

COMPOSITE GEOCHEMICAL PROFILE

BASIN: GIPPSLAND **KIPPER 2** **KB: 22.0** **TD: 2601.5M**

DEPT. NAT. RES & ENV
PE906061

STRATIGRAPHY

TOC = TOTAL ORGANIC CARBON
S1 = VOLATILE HYDROCARBONS (HC)
S2 = HC GENERATION POTENTIAL
PI = PRODUCTION INDEX
HI = HYDROGEN INDEX

$$PI = \frac{S1}{S1 + S2}$$

$$HI = \frac{S2 * 100}{TOC}$$

DEPTH mKB	TOC % (* >5%) 1 — 5	+ S1 x S2 mg/g .25 .5 1 2 4 8	PI .2 .4	HI 200 600	Tmax °C 435 465	REFLECTANCE Rv% 0.1 .65 1.3	ATOMIC H/C .5 1	HEADSPACE GAS: TOTAL C_{1-4} PPM 10^3 10^4 10^5	HEADSPACE GAS: % C_{2-4} 0 50 100

200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800