$$G = \frac{ft - fbt}{md - KB - WD}$$

where:

- G = geothermal gradient corrected for water depth
- ft = formation temperature
- md = measured depth
- KB = kelly bushing
- WD = water depth
- fbt = sea bottom temperature. (This has been estimated as 14°C by average measurement from BMR oceanographic department)

to find the corrected geothermal gradient.

$$G = \frac{109 - 14}{3107 - 25.3 - 81.4} = 31.7 \text{ deg. C/kilometre}$$

The gradient in Chat No. 1 compares well with those seen in nearby wells in the Bass Basin.