

A162K

433

5 cm

NaCl - CO₂ - H₂O

$$M^2_{H^+} = \left(\frac{K_{H_2CO_3} K_{HCl} M_{H_2CO_3}}{K_{HCl} + M_{Cl^-}} \right) \left(1.0 + \frac{M_{Na^+}}{K_{NaHCO_3}} \right) - \text{CRERAR 1974}$$

$$A_{H_2CO_3(aq)} = P_{CO_2} / K_g$$

At 150°C 3m NaCl $\left[\begin{array}{l} 1\% \text{ steam loss} \\ 10\% \text{ steam loss} \end{array} \right.$ $\begin{array}{l} AS^{2-} \text{ increases } \times 5 \\ AS^{2-} \text{ increases } \times 1.7 \end{array}$



At 250°C log K = 2.91 (Walshe)