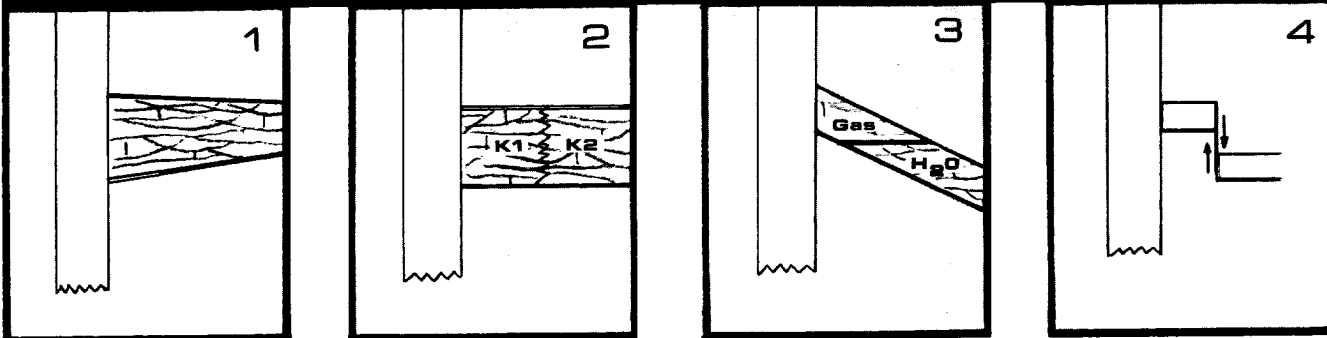


GEOLOGICAL INTERPRETATION GUIDE*

1 General Causes of a Break Upward in Slope Value



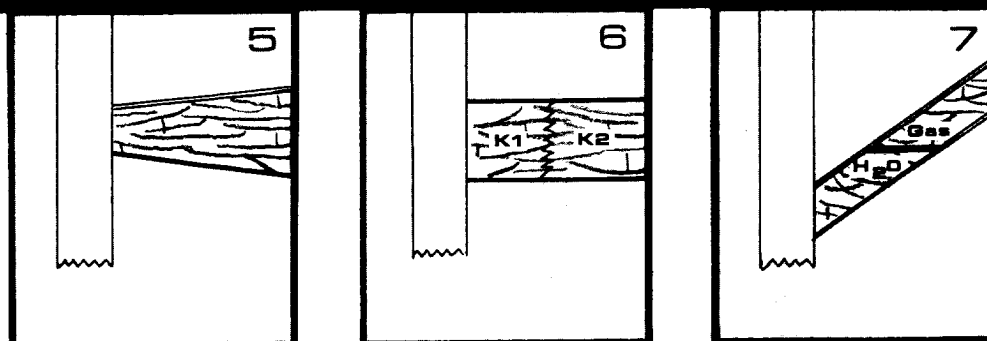
Decrease in thickness of pay zone away from well bore

Decrease in effective permeability away from well bore (facies change) $K_1 > K_2$

Increase in fluid viscosities away from the well bore (gas-water contact, gas-oil contact)

Sealing barrier (fault)

2 General Causes of A Break Downward in Slope Value

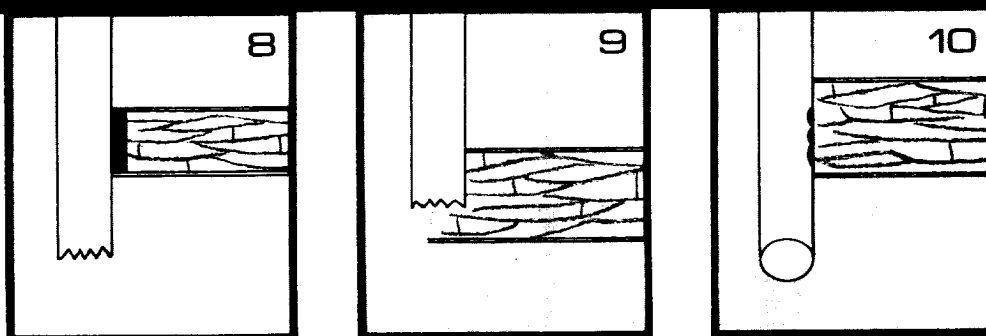


Increase in thickness of pay zone away from well bore

Increase in effective permeability away from well bore $K_1 < K_2$

Decrease in fluid viscosities away from well bore

3 Conditions Which Will Give A Damage Indication



True Skin Damage - (Caused by: filtrate invasion, bit damage, drilling solids invasion, etc.)

Pseudo Damage - Incomplete penetration of porous zone

Pseudo Damage - Choking effect of perforations (cased hole)

*Illustrated causes of anomalies detected through pressure build-up analysis with Johnston "Computerized Data Analysis"