Thin marine shales within EagleTusc Interval represent excellent topseals

Argillaceous, silty layers represent ductile mechanical layers

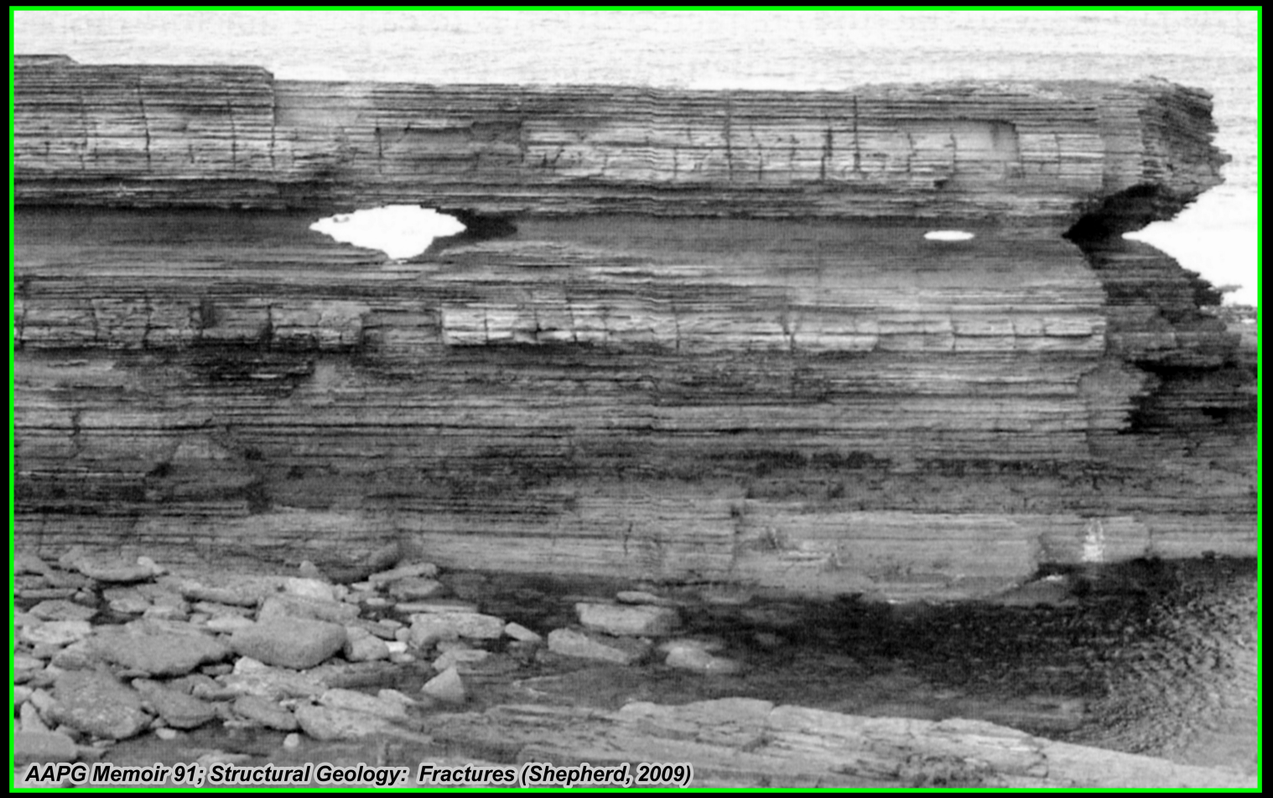
Calcareous, brittle, coarser-grained sandstones fracture readily

Intensely-fractured sandstones – potentially significant reservoir

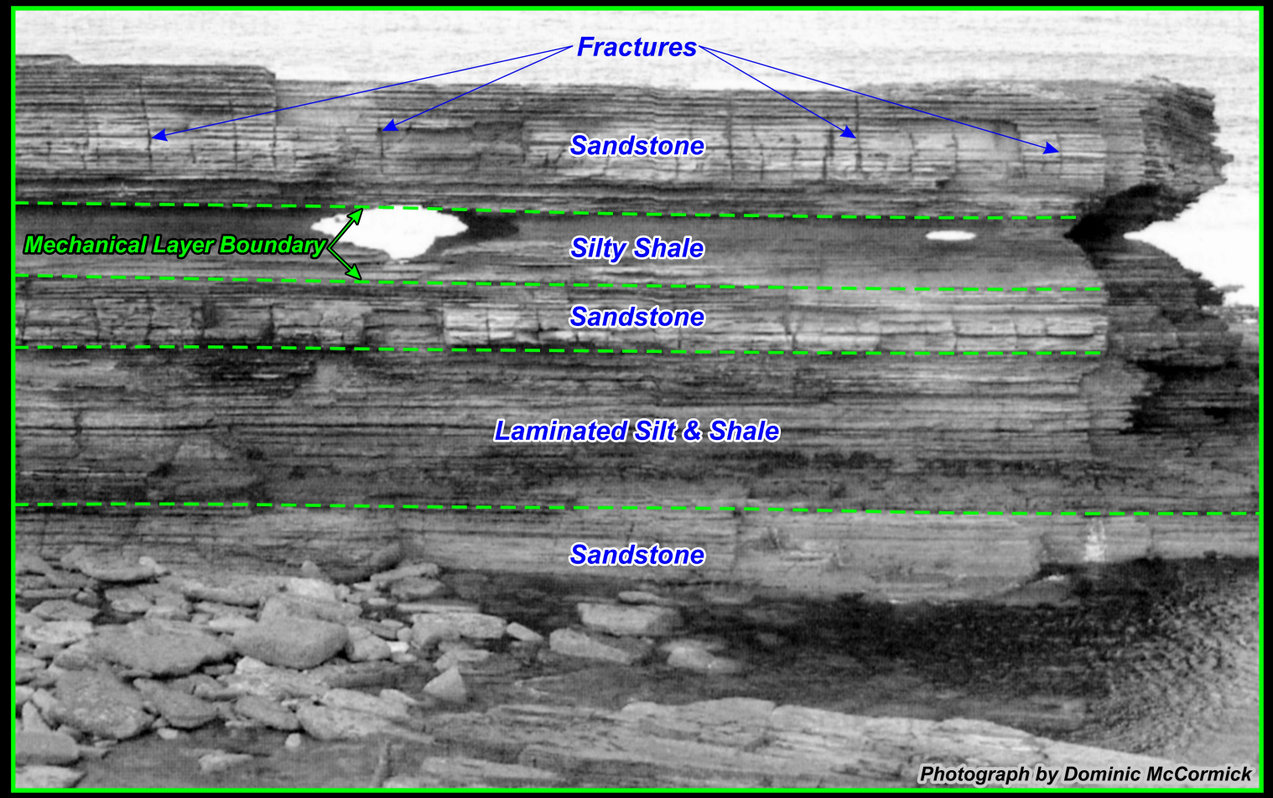
Drape over underlying paleo structures propagates macrofractures

Upward into EagleTusc Interval, facilitating upward migration of

High - GOR geopressured hydrocarbons into EagleTusc strata



AAPG Memoir 91; Structural Geology: Fractures (Shepherd, 2009)



Photograph by Dominic McCormick

ANALOG OUTCROP EXAMPLE - MECHANICAL STRATIGRAPHY - SCOTLAND

COARSER-GRAINED SEDIMENTS HEAVILY FRACTURED;

DUCTILE, FINE-GRAINED SEDIMENTS EXHIBIT FEW FRACTURES

VISION EXPLORATION