

Exercise 2.1: GR-Outcrop: Basic Gamma Ray log signature identification and correlation

The figure shows the Blackhawk Fm. (Campanian) at Gilson Welch, Utah, Book Cliffs. Depositional environments range between paralic, shoreface and offshore transition.

Objectives: 1) Correlate the GR log with the outcrop; 2) Identify parasequences and parasequence sets.

Workflow: 1) identify log signatures, e.g. bell, funnel, box trends; 2) identify coarsening- and/or fining-upwards trends in the outcrop; 3) tie log to outcrop based on marker horizons; 3) define parasequences and parasequence set(s)

