



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555

Vol.9, No.11 pp374-381,2016

Sequence Development of the Sinjar Formation at JabalSinjar and Koi Sanjak, Northern Iraq

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Abstract:The Sinjar formation of northern Iraq was deposited on a shallow carbonate platform with a distally steepened ramp setting. Seventeen microfacies were identified representing the different subenvironments within the different parts of the ramp.

The succession can be divided into seven fourth order cycles bounded above and below by Type-1 sequence boundaries. It shows the effect of multiple episodes of relative sea level rises and stillstands where the local tectonic component was the main controlling factor on sequence development.

Key words:Sinjar Formation, Ramp setting, Sequence stratigraphy.

Hamid Ali Ahmed Alsultan /International Journal of ChemTech Research, 2016,9(11),pp 374-381.
