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06 Intro Sequence Stratigraphy Roger Slatt Presentation *Lesson 1 - Focus of the Petroleum Industry 05 - Sedimentary Rocks: Depositional Environments* ~~Sequence Stratigraphy_Module 1: Introduction and Definition~~ *Siliciclastic Sequence Stratigraphy In Well*

Siliciclastic sequence stratigraphy in well logs, cores, and outcrops : concepts for high-resolution correlation of time and facies / by J. C. Van Wagoner, R. M. Mitchum, K. M. Campion, and V. D. Rahmanian. ISBN: 0891816577 Author: Van Wagoner, John C. viaf Mitchum, R. M. viaf Campion, K. M. Rahmanian, V. D. Publisher:

Methods 7 CD - Siliciclastic Sequence Stratigraphy in Well ...

Sequence Stratigraphy is a method developed to support geoscientists in the geologic interpretation of subsurface data, with the objective of predicting and mapping play elements (reservoir, source/charge, seal) presence and quality before drilling. The method can be applied to cores and well logs in all depositional environments.

Introduction | Siliciclastic Sequence Stratigraphy in Well ...

In many ways, sequence stratigraphy’s effect on stratigraphic interpretation is comparable to that of plate tectonics on structural geology. These are markers in the history of geology upon which...

The detailed sequence stratigraphic analysis of the siliciclastic-dominated Late Cretaceous sediments (Aren Sandstone and Garumnian red beds, south central Pyrenees, Spain) reveals the repeating disposition of critical elements and controlling mechanisms of cycles and sequences.

Application of sequence-stratigraphic analysis depends on the recognition of a hierarchy of stratal units including beds, bedsets, parasequences, parasequence sets, and sequences bounded by chronostratigraphically significant surfaces of erosion, nondeposition, or their correlative surfaces. This method of stratigraphic analysis contrasts with the use of transgressive and regressive cycles of ...

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Siliciclastic Sequence Stratigraphy in Well Logs, Cores ...

In basins or fields with a sufficient density of well COntrol, the coupling of conventional well logs and cores with the techniques of sequence stratigraphy results in an ultra-high-resolution chronostratigraphic frame work for subsurface correlation. Where integrated with seismic and biostratigraphic data, well-log cross sections, interpreted using sequence and parasequenceconcepts, provide a state-of-the-art framework for analyzing reservoir, source, and seal distribution, whether on a ...

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Sequence stratigraphy provides relative age correlation by using surfaces in the rock record as chronostratigraphically significant boundaries.When done correctly, sequence stratigraphic interpretations commonly provide new understanding of the evolution of stratal successions and new knowledge of how basins fill.Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops: Concepts for High-Resolution Correlation of Time and Facies is a must volume for petroleum geologists ...

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Siliciclastic Sequence Stratigraphy in Well Logs, Cores ...

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Parasequences (fourth- and fifth-order sequences) - AAPG Wiki

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Sequence stratigraphy. Sequence stratigraphy allows an effective,

systematic approach to stratigraphic trap exploration. Sequence stratigraphic concepts provide a means to classify, correlate, and map sedimentary rocks using time–stratigraphic units. Sequence stratigraphic techniques provide (1) a more effective method for evaluating reservoir system continuity and trend directions and (2) improved methods for predicting reservoir system, source, and sealing facies away from well control.

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Many of the illustrations in this online introduction to sequence stratigraphy are modified from the figures in Van Wagoner et al.'s Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops (AAPG Methods in Exploration #7).

An Online Guide to Sequence Stratigraphy
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Jeff’s work has entailed sedimentology and sequence stratigraphy from outcrops, cores, and well logs, plus seismic stratigraphic studies of basins and fields worldwide. Areas of expertise include onshore and offshore Gulf of Mexico; onshore and offshore California; Uinta, Green River, Washakie, Denver, Powder River, and Williston Basins; northern and eastern Egypt; and Natuna Sea, Indonesia.

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