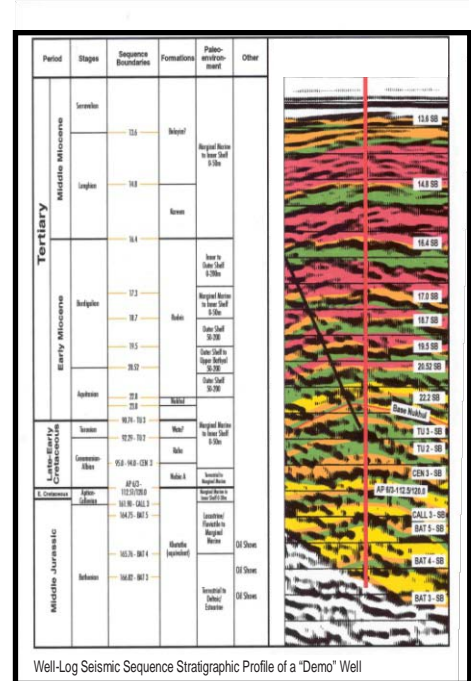
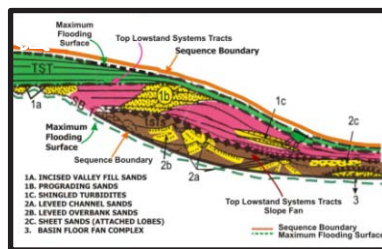
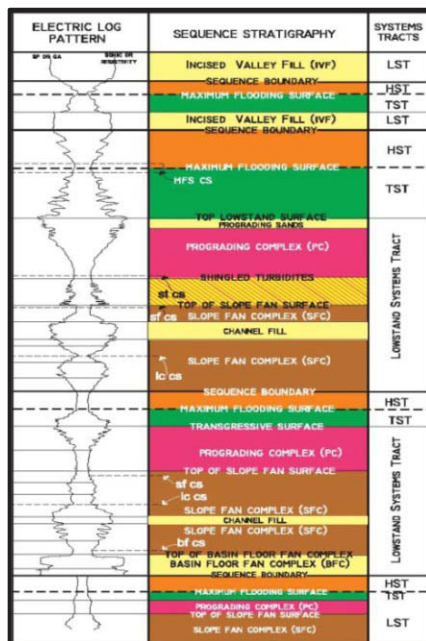


Well-Log Seismic Sequence Stratigraphy Course Practical Applications for Prospect Generation

Walter W Wornardt, Ph.D.
MICRO-STRAT INC.

Sequence stratigraphy has revolutionized the way sedimentary rocks are sub-divided, correlated and mapped. A knowledge of sequence stratigraphy concepts and procedures has the potential to significantly improve the ability to locate reservoirs within structural traps, predict stratigraphic traps, and identify source rocks and migration pathways reduce risk and cost. This course is being offered to the industry in response to the growing demand for applying sequence stratigraphy to Exploration and Development.



Brief Course Description

This TWO-DAY course will cover the basic concepts and procedures for recognizing and interpreting stratigraphic sequences, sequence boundaries, systems tracts, condensed sections, maximum flooding surfaces, parasequences, geologic ages and environments of deposition on well logs on various data sets. You will correlate from updip to downdip wells and will be tied into the seismic record section. To date, over 2500+ geologists and geophysicists have benefited from this value added course. The utility of high resolution biostratigraphy, maximum flooding surfaces, logs, seismic and paleobathymetry will be used to identify type of potential reservoir rocks, their associated systems tract, their reservoir type, parallel or perpendicular to strike, as basin floor fans, channel or sheet or prograding sands, to IVF. The course will improve your ability to locate reservoirs within structural traps, predict stratigraphic traps, and identify source rocks and migration pathways reduce risk and cost. This course is in response to the growing demand for application of seismic sequence stratigraphy to Exploration and Development to reduce risk and cost.

Thursday & Friday, June 8 & 9 2017 8:30AM to 5:00 PM (CST Central Standard Time)
Class Room and Virtual (Remote) Attendees Welcome

Texas Training and Conference Center
11490 Westheimer Rd., Ste 600 Houston TX 77077

Price: \$1195.00 [paypal.me/microstrat](https://www.paypal.me/microstrat)
(Includes refreshments, Lunch, course book and Sequence Stratigraphy Poster)



Course Outline

- Overview of course with introduction by Peter R. Vail PhD
- Definitions, Assumptions, Cycles, Onlap, Downlap, Toplap
- Sequence Stratigraphic Concepts, Accommodation, Sea Level, Sediment Supply
- High Resolution Biostratigraphy – Age and Correlation
- Maximum Flooding Surfaces -age date MFS on logs, seismic and cycle chart
- E-ID and age date MFS on logs, seismic and cycle chart
- Sequence Stratigraphy Procedures
 - ID and pattern recognition 3rd order SB, MFS and ST on logs and seismic
 - Lowstand Systems Tracts - E-580 well
 - Basin Floor Fan Complex - Lbfc;
 - Slope Fan Complex - Lsfc;
 - Prograding Complex – Lpc;
 - Transgressive System Tract – TST;
 - High Stand System Tract – HST;
 - Predict ahead of drill bit-Correlate SB, MFS to Cycle chart
 - E-Correlate 7 wells up dip-down dip using SB, MFS, ST-GM
 - E-Complete Sequence Stratigraphic Analysis of 580 well on master log and seismic
- Correlate shallow shelf Reservoirs to Subsalt wells with MFS
- Reservoir Sequence Stratigraphy
 - E-Correlate Sands in oil field
- Parasequences E-lvf Book Cliffs
- Correlating in Unconventionals with MFS

At least six (5) hours will be devoted to “hands on” practical application of Well Log Sequence Stratigraphy practices on high resolution biostratigraphy well-logs tied to Seismic

This course and application of exercises will permit the participant to:

- Group rocks into chronostratigraphically constrained genetic intervals
- Identify and age date Maximum Flooding Surfaces on logs, seismic, correlate from well to well, around salt domes, in subsalt wells, up and downdip, across faults, on logs, seismic and unconventional wells.
- Identify potential reservoirs and source rocks by their association with types of systems tracts for prospect generation
- Predict systems tract and potential reservoir type ahead of the drill bit using cycle chart
- Construct various maps showing reservoir and potential trends
- Solve Exploration and Development problems quickly and electively
- Reduce Risk and Cost in Exploration and Development



Walter W Wornardt Ph.D. is President, MICRO-STRAT, Inc, Houston, Texas. Professional Geologist, Seismic Sequence Stratigrapher and Micropaleontologist. Born in Milwaukee, B.S. and M.S. Geology Univ Wisconsin, Madison. Ph.D. Paleontology Univ of California, Berkeley. Worked with Chevron; Esso Production Research, Houston, Unocal Research, California, Chairman of Geology University Redlands, California. 1983-present, MICRO-STRAT, Inc, Houston, TX and 8+ Cairo, Egypt. With Peter R Vail, Ph.D. 1988, initiated well-log seismic sequence stratigraphic analysis, taught 41 courses worldwide; projects in Africa, South America and Far East. 2008 -present, 7 years in Unconventionals: Eagle Ford, Eaglebine, Haynesville, Niobrara, Utica, West Texas, Poland and Saudi Arabia. Registered Geologist in state(s) CA-076 and TX-5638. Member of AAPG, SEG, and HGS

- **For more information, call 713-822-2144, 713-875-6090**
- **To register go to paypal.me/microstrat**

Return this registration form and your check for \$ 1195.00 to:

MICRO-STRAT INC. 5755 Bonhomme, Suite 406, Houston, TX 77036

Tel #: 713- 875-6090, 713-822-2144, E-mail: wornardt@gmail.com or dw@micro-strat.com

Name of Person Attending		Email
Company	Country	Telephone

