



INDONESIAN PETROLEUM ASSOCIATION

Indonesia Stock Exchange Building, Tower II, 20th Floor (Suite 2001)
Jl. Jend. Sudirman Kav. 52-53, Jakarta 12190, Indonesia

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MAPPING AND INTERPRETING CLASTIC RESERVOIR SYSTEMS WITH CORE WORKSHOP

Instructor : Mr. Robert Shoup - Board Certified Petroleum Geologist
Dates : 29 July – 1 August 2019 (4-days)
Venue : Hotel Kristal - Jakarta
Cost :

EARLY BIRD REGISTRATION UNTIL 28 JUNE 2019
Rp. 21.000.000 (IPA Professional Division Member)
Rp. 26.000.000 (Non- IPA Professional Division Member)

REGULAR REGISTRATION AFTER 28 JUNE 2019
Rp. 26.000.000 (IPA Professional Division Member)
Rp. 31.000.000 (Non- IPA Professional Division Member)

Includes: course manual and exercises, working lunches, and refreshments

We encourage Participants to apply as IPA Professional Division Member to get benefit for registration cost.

COURSE DESCRIPTION AND OBJECTIVES

Our ability to predict reservoir presence or map net reservoir in clastic depositional systems is dependent on our understanding of the depositional geometries of the various depositional systems and the variation of patterns within those systems. The processes associated with sediment delivery and sediment dispersal is the fundamental control on the architectural geometry of a depositional system. The processes associated with the interplay between sediment input and accommodation space are the fundamental controls on the lateral and vertical stacking patterns within that geometry.

The geometry of the depositional system is similar regardless of the depositional location or scale. As such, the patterns within the geometries are also similar, and, therefore, predictable. This is a powerful concept that the interpreter can use in predicting depositional geometries and patterns. Whether the reservoir being studied was deposited on land or on a submarine fan, or whether it is 100's of kilometers in scale or a kilometer, the geometry of the deposit is similar. Therefore, interpreters need only become familiar with the basic geometries of clastic depositional systems and the patterns that occur within those geometries.

Modern and outcrop analogs will be used, along with subsurface examples to provide the interpreter with a sound understanding of the reservoir distribution and quality, both laterally and vertically of the clastic depositional systems most commonly encountered as oil and gas reservoirs. The course is exercise-oriented and taught in PowerPoint format. A course manual is provided. The exercises in this course are designed to give you a strong working knowledge of the many depositional settings you are likely to encounter in your career. They are aimed at helping you to learn how to recognize them from well logs, and how to map them.

Day 4 is a core workshop. Participants will describe cores from five depositional environments using full-scale core posters.

LEARNING OUTCOMES:

1. Understand the basics of correlating well logs in clastic sequences utilizing shale and resistivity markers, interval thickness, sequence stacking patterns and cross-sections
2. Review the fundamental controls that influence clastic depositional systems
3. Understanding of the lateral and vertical reservoir distribution, reservoir characteristics and connectivity of braided, meandering, anastomosing, and entrenched river systems
4. Understanding of the lateral and vertical reservoir distribution, reservoir characteristics and connectivity of alluvial fans, deltas, and submarine fan systems
5. Improved ability to construct accurate sand percent maps for reservoir prediction, and net sand and net pay isochore maps for accurate reservoir characterization.
6. Learn how to read a core and interpret the depositional environment

WHO SHOULD ATTEND

E&P professionals involved in the prediction or delineation of clastic reservoirs. The course will be particularly useful for professionals early in their career and experienced professionals new to working with clastic reservoirs.

CONTENT

Day 1: Interpreting Clastic Reservoir Systems

- 10 Habits of Highly Successful Oil Finders
- Well Log Correlation
- Integrating Paleo, core and cuttings
- Cross Sections
- Sand Percent, Isopach, and Isochore Maps
- Stratigraphic Principles, stacking patterns, and Walther's Law
- Sequence Stratigraphy

Day 2: Architectural Geometries of Clastic Reservoir Systems

- Depositional Geometries; delivery versus dispersal systems
- Sediment Input vs. Accommodation Space
- Alluvial Fans
- Braided Rivers
- Meandering Rivers
- Anastomosing Rivers

Day 3: Architectural Geometries of Clastic Reservoir Systems

- Entrenched Rivers
- Sabkha and Aeolian Deposits
- Alluvial Fans
- Deltas
- Submarine Canyons and Fans

Day 4: Core Workshop

- Core Workshop (using actual-size core posters)
- Braided River
- Meandering River
- Anastomosing River
- Tidal Delta
- Lacustrine Delta

ABOUT THE INSTRUCTOR



Robert 'Bob' Shoup is a Board Certified Petroleum Geologist with over 38 years experience in basin analysis, regional studies, new play generation, prospect evaluation, field studies, and project management. Bob began his career at Shell Oil in 1980; followed by four years working for private oil companies before becoming an independent consultant in 2003. Bob teaches various Subsurf Consultants & Associates (SCA) training courses around the world and currently serves as SCA's Chief Geologist. Bob is also the Director of Clastic Reservoir Systems. Over the course of his career he has discovered or helped to discover over 135 MMBOE.

Bob is a recognized expert in clastic depositional environments and in syndepositional structural systems.

Bob is an active contributor in the professional community. He is a Past President of Bangkok's SEAPEX and of AAPG's Division of Professional Affairs and past Secretary-Editor and Chair of the AAPG House of Delegates. He has served on numerous AAPG Committees and was Chairman of AAPG's Mentor,

Membership and Student Chapter Committees. He is a recipient of eight AAPG Certificates of Merit; AAPG's Distinguished Service Award in 2000, and the DPA's Distinguished Service Award in 2008 and made Life Member of the DPA in 2010.

Bob is also a life member of the IPA, the Geological Society of Malaysia, and the South East Asia Exploration Society

For registration and detail information, please contact:

IPA SECRETARIAT

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Facsimile : (62-21) 5140-2545; 5140-2546

E-mail : Anna.Sulistiyaningsih@ipa.or.id or inquiries@ipa.or.id

SHORT COURSE REGISTRATION FORM



Course title : **Mapping And Interpreting Clastic Reservoir Systems with Core Workshop**
Dates : **29 July – 1 August 2019 (4-days)**
Instructor : **Mr. Robert Shoup - Board Certified Petroleum Geologist**
Venue : **Hotel Kristal - Jakarta**
Course Fee :

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Includes : *course manual and exercises, working lunches, and refreshments*

We encourage Participants to apply as IPA Professional Division Member to get benefit for registration cost.

Attendee Name : _____ (Mr/Mrs/Ms)

Company : _____

Telephone/Fax : _____

E-mail address : _____

Mobile phone no. : _____

(REQUIRED TO BE COMPLETED)

(REQUIRED TO BE COMPLETED)

Contact Person : _____

Telephone/E-mail : _____

Payment Method : Cash addressed to Indonesian Petroleum Association (IPA)
 Transfer addressed to Indonesian Petroleum Association (IPA)
IDR Account No. : **103-0085286843**
USD Account No. : **103-0099609899**
Name of bank : **Mandiri Bank**
Branch : **Thamrin**
Bank Address : **Jl. M.H. Thamrin No. 5**
City of Bank : **Jakarta Pusat**
Country : **Indonesia**
Swift Code : **BMRIIDJA**

Please return this form together with payment to the:

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Substitution, Cancellation and No-show policy:

- The Course registration is transferable. Written notification is required for substitution no later than 5 working days prior to the course start date.
- Cancellation received by **2 weeks** before the course start date, participant will get 50% refund
- Cancellation received by less than **2 weeks** before the course start date, participant will get no refund
- No-show participant will be full charged

All requests must be submitted to anna.sulistiyaningsih@ipa.or.id