

# PROFESSIONAL EDUCATION UNIT (PEU) GLOBAL DEVELOPMENT SERIES INTEGRATION OF ROCKS, LOG AND TEST DATA

## OUTLINE:

This course provides the background necessary to solve complex reservoir evaluation and productivity problems faced in Exploration, Field Appraisal and Field Development. The key fundamentals of rock properties, logging tools and engineering data needed to solve these problems are reviewed. The concepts are illustrated with a series of real world problems that become increasingly complex as knowledge is gained in the class. Emphasis is placed on solving problems in a workshop format.

## OBJECTIVES:

**At the end of this course, participants should be better able to:**

- Identify clastic and carbonate rock types based on productivity differences.
- Determine the key reservoir rock parameters needed for a more accurate reservoir evaluation.
- Use cuttings, sidewall cores and cores to determine reservoir parameters.
- Design an integrated interpretation.
- Calculate porosity using porosity logs in complex lithologies.
- Determine what percentage of porosity contributes to production.
- Calculate  $S_w$  using different methods.
- Determine pay and pay classes.
- Tie rock and well log information to production performance.

## DESIGNED FOR:

Petrophysicists, petroleum reservoir engineers, geologists and geophysicists who have a basic understanding of petrophysics, geology and engineering and need a more advanced understanding of how to integrate the different data sets together to more completely understand reservoir performance.

## DURATION:

**AUGUST 17 - 21, 2009**

Monday - Friday (8:00 am - 4:00 pm)

## VENUE:

The University of Trinidad and Tobago  
Pasea Campus  
Corner Pasea Main Road & Churchill Roosevelt Highway,  
Tunapuna.

## FEE:

USD\$4,180.00 inclusive of course material, lunch and refreshment.

## CERTIFICATION:

Participants will be awarded a PetroSkills Certificate of Completion.

## INSTRUCTOR:

PetroSkills Facilitator

## PLEASE CONTACT:

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