Course Overview

This 5-day course introduces participants to established principles of carbonate sedimentology applied to hydrocarbon exploration and development geology. Each participant learns to describe typical carbonate rocks, delineate facies and sequences, evaluate reservoir quality, relate carbonates to log and seismic expression, better predict play relationships in the subsurface, and construct a time-stratigraphic facies framework essential for both accurate regional correlation of carbonate sequences and zonation of carbonate reservoirs. A core problem with logs, based on a real exploration target, further reinforces principles presented in this course. A field trip to Qattameya and Wadi Degla Districts will be held by the end of the course. A 250+ page notebook, with a copy of all PowerPoint slides shown in lectures, accompanies the course, as well as a reference CD with pictures of samples used in various exercises and distinguished publications related to carbonates. This particular course has been presented to oil companies in Egypt, Kuwait and UAE since 1996 till present.
Course Title
“Carbonate Rocks Applied to Hydrocarbon Exploration and Development”

Aims & Benefits
This is an excellent refresher course, where upon completion of this training course, participants will be able to:

- describe and classify typical carbonate rocks
- interpret facies relationships
- delineate stratigraphic sequences and correlate facies within them
- evaluate reservoir quality in limestones and dolomites
- better understand subsurface carbonate plays and reservoirs

Course Modules
- Nature of Carbonate Sediments and Sedimentation
- Carbonate Petrology
- Carbonate Classifications
- Diagenesis and Porosity of Carbonates
- Depositional Setting and Geometry of Carbonate Facies
- Evolution of Carbonate Sequences
- Carbonate Reservoir Modeling
- Exercises from Egypt Based on Actual Data
- Exploration and Development Plans in Carbonate Reservoirs
- Field Trip to Qattameya and Wadi Degla Districts

Course Format
DAY 1: Distinctive Aspects of Carbonates; Non-Skeletal grains; Skeletal Grains.
DAY 2: Carbonate Classifications and Structures; Limestone Diagenesis and Porosity Evolution
DAY 3: Dolomitization and Porosity Evolution; Porosity Classification; Attributes of Shallow and Deep-Marine Facies; Models - Platform; Facies Models.
DAY 4: Depositional setting and geometry of carbonate facies, Evolution of carbonate sequences, Carbonate reservoir modeling
DAY 5: Field Trip to Qattameya and Wadi Degla Districts

Who Should Attend
The course is designed for individuals involved in the management of Carbonate aquifers/oil and gas reservoirs as:

- Geologists
- Sedimentologists
- Petrophysicists
- Geophysicists
- Reservoir Engineers
- Exploration and production engineers/Experts (E&P), Reserve Evaluation professionals and Reservoir, appraisal and development geologists will also find this course equally useful.
Course Title

“Carbonate Rocks Applied to Hydrocarbon Exploration and Development”

Course Location

➢ **Duration:** 5 Days, 11th – 15th of December, 2011

   **Day 1 to Day 4:** 11th – 14th of December, 2011
   ➢ **Location:** Dusit Thani Lakeview Cairo
   09:00 am to 3:00 pm, lunch and refreshments included.

   **Day 5:** 15th of December 2011
   ➢ **Location:** Field Trip to Qattameya and Wadi Degla Districts

Field Trip Leaders,

Prof. Dr. Abdel Moniem El- Araby, Cairo University
Dr. Mohamed Abdel Hady, Ain Shams University

➢ **Fee:** $1500 (field trip, course manuals and CD are included)
REGISTRATION FORM

“CARBONATE ROCKS APPLIED TO HYDROCARBON EXPLORATION AND DEVELOPMENT”

11th – 15th December 2011, Cairo, Egypt

Please register the following before 13th of November, 2011:

Name:
Title:
Email:
Tel: Fax:
Company Name:
Address: Postal Code:
Fee: $1,500
Payment Method: □ Cheque □ wire transfer □ Cash

How to register: please print out and complete this form and submit it by fax: +202 2 518 633 4, Email: sales@geoenergy-eg.com or regular mail: # 9 Road No. 299, New Maadi, Cairo, Egypt, P.O. Box 11435.

Registration and payment are due 30 days prior to the course.

Please make your cheque out to: GeoEnergy Petroleum Services Ltd.

For further information please contact Mrs. Mona El Adawy, at (+2) 012-314-3777 or E-mail: m.adawy@geoenergy-eg.com

Terms and Conditions:

By signing the Registration Form, the contracting organization (hereinafter referred to as “the client”) acknowledges that it has read, understood and accepted the Terms and Conditions outlined hereunder.

(A) The Seminar Fee includes, and is limited to:
Course Documents, sessions, lunch and refreshments, and field trip to Qattameya and Wadi Degla Districts.

(B) The training fee does not include travel costs, hotel accommodation, transportation, transfers or insurance.

(C) Refund Policy: GeoEnergy will provide a partial refund of the course fees paid if a written notification is received to withdraw from the course 30 days prior to the course commencement. GeoEnergy reserves the right to retain an Application and Administration Fee of US$250.

GeoEnergy will not refund any fees where participant withdraws from the course 15 days before commencement of the course.