

The Assessment, Classification and Reporting of Reserves and Resources

A two-day workshop dealing with the assessment, classification, and reporting of reserves and resources using the classification, definitions and guidelines of the 2007 SPE PRMS and the revised SEC regulations.

Key Instructors: *Rawdon J.H. Seager (rseager@gaffney-cline.com)*
David K. Morgan (dmorgan@gaffney-cline.com)

Instructor Biography: Rawdon Seager is currently Projects Director and Chief Reservoir Engineer for Gaffney, Cline & Associates' (GCA's) western hemisphere headquarters in Houston, Texas. His main responsibilities include field studies, reserve audits and asset valuations and he frequently advises clients on field development and reserves reporting issues. Rawdon has a BSc Degree (Honors) in Physics from Bristol University, England and an MSc Degree (Distinction) in Petroleum Reservoir Engineering from Imperial College, London. He is a member of the Society of Petroleum Engineers (and is currently a member of the Oil and Gas Reserves Committee), Society of Petroleum Evaluation Engineers, American Association of Petroleum Geologists, UK Energy Institute and is a Chartered Petroleum Engineer in the UK. He is also registered as a European Engineer with FEANI. Rawdon began his career in 1972 as a Petroleum Engineer with Shell International in Malaysia, Brunei, the Netherlands and Australia. In 1980 he joined Roy M. Huffington Inc. in Indonesia where he became Petroleum Engineering Manager, before joining GCA in 1985 with whom he has held senior positions in the United Kingdom, Singapore, Argentina, Venezuela and the USA.

Instructor Biography: Dave Morgan is currently Senior Technical Manager and Supervising Engineer for Gaffney, Cline & Associates' (GCA's) western hemisphere headquarters in Houston, Texas. His main responsibilities include field studies, reserve audits and asset valuation project oversight, staff planning and training, instruction and advice to clients on reserves/resources definitions and reporting. Dave has a BSc Degree in Petroleum Engineering from Marietta College in Marietta, Ohio. He is a member of the Society of Petroleum Engineers. Dave began his career in 1969 as a Petroleum Engineer with Texaco, Inc. in Louisiana. He joined Consolidated Natural Gas in 1973 working in both Ohio and Pennsylvania. In 1981 he joined Mobil Oil, holding various technical and supervisory positions in the U.S. as well as helping lead a team pursuing opportunities in the FSU. Following two years consulting with Shell in Nigeria, Dave joined GCA in 1995.

Abstract: For the past several years, GCA has held numerous workshops for companies around the world dealing with the definitions, guidelines and estimation of reserves and resources. This workshop is presently designed to be presented in two days, with about a day and a half of structured presentations and discussion, with a half day to address any specific issues or situations of concern to the participants.

The key objectives are:

- To provide an overview of international industry reserve estimation and reporting practice.
- To ensure a thorough understanding of key definitions and guidelines and the relationship between reserves and resources.
- To explain in detail the handling of uncertainty, including deterministic and probabilistic methodologies.

The course focuses on the two pre-eminent sets of definitions and guidelines – the Petroleum Resources Management System (PRMS) approved by the SPE/WPC/AAPG/SPEE in March 2007 and the new regulations approved by the US SEC at the end of 2008.

Intended Audience: The course is designed for engineers and geoscientists, accountants, bankers, attorneys and others involved in the estimating, classifying, reporting, auditing, approving, or use of reports of petroleum reserves and resources.

Course Duration: The course is scheduled for two days.

Course Schedule/Cost: Courses open to the public are announced on GCA's website and by other means at least one month in advance. Courses are also offered to individual companies for in-house training on an as-arranged basis. Fees will be notified at the time of each course.