NOGS External Affairs Committee January 2014 Report by Mike Fogarty

AAPG ….

Start Planning for AAPG Congressional Visits Days, CVD, March 10-12, 2014

Plan to join a group of AAPG members in Washington, DC, next March for Congressional Visits Days.

AAPG CVD will be March 10-12, 2014.

This is an opportunity for you to help raise visibility and support for the geosciences, and discuss the science behind the energy issues important to you and other AAPG members.

A constructive visit from citizen geoscientists centered on the importance of geoscience, and the science behind energy issues such as hydraulic fracturing is the most effective way to inform and influence federal policy.

How it works:

Monday afternoon will include an introductory session with AAPG policy staff providing information on how Congress works, how to conduct congressional visits, and an update on relevant legislation and federal programs.

Tuesday will consist of visits with federal agencies such as the Department of Energy, US Geological Survey, Bureau of Safety and Environmental Enforcement and Bureau of Land Management.
Wednesday will be devoted to visits with members of Congress and/or their staff.

Fact sheets and talking points about petroleum geoscience issues will be provided. Plan to bring examples from your experience, including the impacts of federal legislation or regulation on your congressional district.

All of the scheduling and logistics for the workshop and visits will be arranged by AAPG staff.

Winter Education Conference

NEW
The Double Edged Sword: The Impact of

Salt - Sediment Interaction on Exploration Risk in Deep Water

INSTRUCTOR :

Selim Simon Shaker, Geopressure Analysis Services (G.A.S.), Houston, TX

DATES:

February 13 - 14, 2014

LOCATION:

Norris Conference Center, City Centre Location, Houston, TX

TUITION:

Member: $1,000.00 • NonMember $1,000.00
(if purchased individually)
Registration for the entire week is $1,795 for members, $2,095 nonmembers. **Goes up to $1995/$2295, and/or individual course prices increase by $50/course day on 1/13/2014.**
Course notes, refreshments and lunch buffet included.
No refunds for cancellations after 1/13/2014

CONTENT:

1.5 CEU **What is a CEU?**

Who Should Attend

his course is extremely valuable for exploration and development geologists, geophysicists, petrophysicsts, and Petroleum engineers working in and around salt basins worldwide. It is tremendously beneficial for Pore Pressure Analysts that want to enhance and modify their prediction tools to fit the salt environment. Oil and gas economic feasibility analysts and managers will find this course provides a functional gauge for their assets portfolio.

Objectives

Participants completing this course will learn to:

- distinguish between the high and low risk salt related prospect;
- understand salt - sediment evolution due to sediment load (overburden), gravity (Isoctacy) and sea level changes (Eustasy);
- comprehend the hydrocarbon trapping mechanism in supra and subsalt plays;

- recognize the uniqueness of salt's physical properties that leads to the presence of multiple traps ranging from the good, the bad, to the ugly;
- appraise the impact of salt emplacement and displacement on the stresses vectors that lead to entrapments and or breaching of hydrocarbons;
- assess the pore-fracture pressure profile behavior and characteristics above and below the salt;
- evaluate the change in the sediments geopressure profile due hosting the intrusive salt;
- understand the prevalence of oil traps in deep water relative to gas;
- employ the changes in subsurface pressure to appraise prospective object's sealing, hydrocarbon retention and productivity capacities;
- recognize the large disparity of costs between drilling dirty vs. clean salt;
- foresee the drilling challenges above, within and below the salt mass.

Content

The industry exponentially expanded exploration to new subsalt and pre-salt plays in deepwater since the Mahogany discovery. The high rewards of finding hydrocarbons in deepwater mini-salt basins and frontier salt toe belts make them a very attractive target for exploration endeavors. However, complex subsurface geopressure can cause hydrocarbon breaches and recurrent drilling challenges that drastically increase the operation costs and sometimes leads to the abandonment of a prospect.

The course will proceed from the impact of depositional system on salt mobilization, flow and creeping near the sea floor. We will study the salt's light density, impermeability and ductile nature that make it a unique catalyst for prospects maturation worldwide.

A good dose of applied pore pressure basics, measurement, and prediction will be taught as an essential segment of the risk assessment. We will focus on the salt dynamic motion, stresses perturbation, isostacy and their impact on subsurface geopressure profile. The course also examines the geopressure system behavior and its accountability for hydrocarbon maturation, migration, entrapment and the challenges to drill supra and subsalt prospects. The sealing and hydrocarbon retention capacities will be discussed in relation to the hydraulic head and the hydrocarbon potential flow and productivity.

The course deals with integrating seismic sequence stratigraphy, geologic setting and the pressure profile created by salt-sediments interaction. Seven risking models will be elaborated on with multiple examples of case histories. The models cover passive domes, diapirs, canopies, sheets, withdrawal basins, ramps, tongues, toes and welds. Examples of success and failure justifications will be demonstrated during the course of the two day class.

Several seismic lines with correlated well logs will be used as exercise materials during the course. In summary, the course is designed to provide participants with incorporated segments of geology, geophysics, geopressure, rock-mechanics and drilling practice under one risk assessment discipline.

GEO-DC Blog

Letter opposing proposed licensing changes signed by the Presidents of AAPG and DPA is sent to the Texas Board of Professional Geoscientists.

New Reserves Classification Guidelines available

Guidelines for Application of the Petroleum Resources Managmeent System (PRMS) is now available for free download as a PDF.

Issue Advisory: Research and Development Needs of the U.S. Independent Oil and Gas Producer

This paper identifies five technical areas essential to enabling the nation's independent oil and natural gas producers to deliver the petroleum resources that U.S. consumers require for everyday living. It was prepared as a reference document for the use of the AAPG Geoscience & Energy Office in Washington, D.C. as it communicates with policy makers.

Why I Chose to Be a Member of the DPA

R.C. Shoup

Growing up in a small town in Minnesota, I was inculcated with a strong work ethic and a sense of moral responsibility. My father, a CPA, also taught me that you get out of your profession only what you put into it. Early in my career, my mentors also taught me the only currency we have as geologists is our credibility. Read more >>>

SEG .....

FEB

5 Virtual Course: Really Low Frequency Seismic: The Next Wave?

24 Processing, Inversion of Reconstruction Seismic Data

Seismic Interpretation in the Exploration Domain

26 Geophysics Under Stress: Geomechanical Applications of...

Concepts and Applications in 3D Seismic Imaging

SPE ….

What is Energy4me?

SPE's energy education program offers factual resources to students, teachers, and the general public. Watch this short video for insight into Energy4me and how you can get involved.

Visit www.Energy4me.org to discover additional resources for energy education.

SPE Launches Informational Hydraulic Fracturing Website

To help create public awareness and promote education around a key challenge in the industry, SPE launched a new website devoted to factual, transparent information about hydraulic fracturing.

Information by Discipline

Find out what topics each discipline covers

-  Drilling and Completions

-  Health, Safety, Security, Environment, and Social Responsibility
-  Management and Information
-  Production and Operations
-  Projects, Facilities and Construction
-  Reservoir Description and Dynamics