David Barthelmy

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Sent: Wednesday, December 03, 2014 6:35 AM
To: David Barthelmy
Subject: Upcoming HGS Events

GCAGS Convention 2015 Call for Papers deadline is December 13!

Upcoming HGS Events:

Monday, December 8, 2014
HGS Joint General and North American
Crustal Extension and Salt: Comparing the South Atlantic and the Gulf of Mexico
Speaker: Mark G. Rowan
More information
The Gulf of Mexico (GoM) and the South Atlantic contain salt basins on conjugate margins: the US and Mexico sides in the GoM and the Brazil and Angola-Gabon sides in the South Atlantic. Both proprietary and published reflection seismic data, supported by refraction and potential-fields data, illustrate striking similarities between the crustal architecture and its relationship to salt deposition in the GoM and the South Atlantic. Distinct domains can be identified from proximal to distal positions on each margin (Figure 1).

Wednesday, December 10, 2014
HGS Environmental & Engineering
Seismoelectric Ground-Flow DC-4500 Locatoras
Speaker: Chi Dong
More information
This talk describes a seismic wave-generated electrokinetic potential method and geophysical technology for directly locating a groundwater aquifer to deduce the associated petroleum hydrocarbon reservoir fluids with high accuracy, low cost, site access, portability, and simple operational procedures in the field. The DC-4500 Seismoelectric Ground-Flow Locator receives both a seismic signal and a seismoelectric signal generated by the same seismic source. The seismoelectric survey depth of investigation depends on the power of seismic source. We have obtained reservoir seismoelectric data up to 7000 feet deep in Louisiana with a Buffalo gun seismic source. Over the past 3 years, more than 300 commercial ground-flow projects have been performed using the DC-4500 system around the world. The success rate of groundwater location is 90%.

Monday, December 15, 2014
HGS International Dinner
Influence of transfer fault zones on rift traps and hydrocarbon migration, Equatorial Guinea and North Gabon: Analogs from Kwanza Basin, Angola and Reconcavo Basin, Brazil
Speaker: Scott Thornton, Hector del Castillo, Gerald Kidd (speaker) and Ian Davison
More information

The Rio Muni and North Gabon basins are locations of oblique sea floor spreading, resulting in reactivation of fracture zones to produce significant transfer fault zones in oceanic and transitional continental crust. Thick rift ("pre-salt") sections of up to 12,000 m gross thickness have been locally inverted, resulting in faults penetrating from the Lower Cretaceous to as shallow as the Oligocene. Locations of rift inversions along these transfer faults often coincide with Upper Cretaceous or older folding and faulting resulting in potential traps. Isostatically corrected gravity data, as well as magnetic data, demonstrate the locations of these transfer fault zones. Seismic data in time and depth have evidence of these transfer faults.

Tuesday, December 16, 2014
HGS Northsiders' Luncheon
Correlation of HIgh Hydrogen Sulfide Concentration to Deep Features in Eagle Ford Shale Wells, McMullen County, Texas
Speaker: J. Brandon Rogers
More information
Early development of the Eagle Ford Shale (EFS) indicated the petroleum in reservoir was relatively sweet, typically being produced with hydrogen sulfide (H2S) gas in low concentrations. However in McMullen Co. TX, wells with high concentrations (>1%) are found. Mapping raw untreated H2S gas shows a direct correlation to salt domes and subsequent deep faulting. The enigma has been the occurrence of high H2S wells offset by low H2S wells, not associated with salt domes or faulting. However, micro-seismic and in some cases re-processed seismic data revealed that deep faults do intersect these high H2S wellbores. The additional data correlates deep faulting into the Edwards to high H2S EFS wells. Deep faulting likely creates a conduit for H2S to enter the EFS..

Monday, January 12, 2015
HGS International Dinner
The present day Mexican Gulf of Mexico: analog for Cretaceous-Paleogene Allochthonous Salt Canopies of the Western Mediterranean
Speaker: Joan F. Flinch
More information
Field, seismic and well-log data along the Betic-Magrebian fold-and-thrust belts of the Western Mediterranean (i. e. Betic, Rif and Tell Cordilleras) shows the presence of allochthonous Triassic Salt. Most of the allocthonous Triassic is located in the frontal tectono-sedimentary complexes of these fold-and-thrust belts (i. e. The Prerifaine Nappe in Morocco, Guadalquivir Allochthon in the Betic and Zone des Domes in Algeria and Tunisia.

Monday, January 19, 2015
2015 Legends Night
Speaker: Brian Lock & Chris Zahm
More information
HGS invites you to join us for the next of these memorable dinner events honoring two university professors and Geology Department faculty advisors who have dedicated their time and energy to produce winning teams of the AAPG Imperial Barrel Award. This HGS special event has limited seating. If you or your company would like to become a Corporate Sponsor, please email Andrea at andrea@hgs.org.

Other Local Events:

Sunday, September 20, 2015
Gulf Coast Association of Geological Societies 65th Annual Convention hosted by HGS
CALL FOR PAPERS and posters deadline on Saturday, December 13, 2014
More information
The Call for Papers Deadline of December 12 is next week! Present an oral talk, or all-day poster, at the Convention by submitting a 300 word abstract online at www.gcagshouston.com. Technical Chairs for the GCAGS convention are Linda Sternbach (linda.sternbach@gmail.com) and Paul Basinski (pbasinski@comcast.net). Email them to volunteer, or be involved in the technical program. The GCAGS 2015 Convention will be September 20-22, 2015 at the George R Brown Center, Houston, hosted by HGS. The CALL FOR PAPERS and posters is open until December 13, 2014. The Houston GCAGS 2015 Technical Committee is organizing sessions on Unconventional Plays, Deepwater Field Studies, GOM Shelf and Onshore Plays , Salt Tectonics and Traps, Mexico and Caribbean Plays, Geophysical Technology, Environmental Geology, Pore Pressure/Rock Studies, Geology-Geophysics-Engineering and more.

Sunday, March 22, 2015

Enivronmental & Engineering Geophysical Society
2015 Symposium on the Application of Geophysics to Enivronmental and Engineering Problems (SAGEEP)
More information

Plans are underway to host the next Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP) in Austin, Texas March 22-26, 2015. Local organizers Jeff Paine (General Chair), Doug Laymon, and Dennis Mills are working with EEGS staff to infuse a uniquely “Austin” experience into the 28th edition of SAGEEP, while simultaneously putting together a strong technical program under the guidance of Brad Carr (Technical Chair).

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