

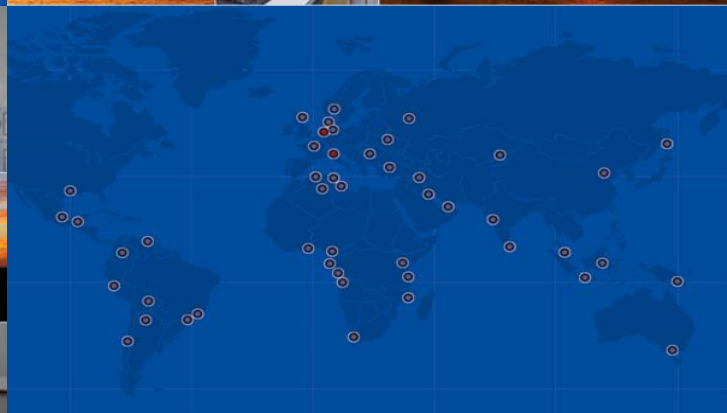
P.I.G. Short Course

Advanced Surface Logging

Friday, 3rd November 2017

10000 Energy Drive, Spring, TX 77389

Email for questions and Registration:
PIG.TIG.AAPG@gmail.com



In the recent years, surface logging technologies have greatly evolved and has seen some great advances in high quality data acquisition, measurements, technology and interpretation techniques which provide valuable inputs towards formation evaluation both in unconventional and conventional drilling wells. As the industry adjusts to the new lower price of oil, experts strive to optimize the cost of projects, without compromising on the data collection. Many operators drilling in both conventional and unconventional plays are now switching to advanced surface logging, which is a value driven approach for collecting high quality surface data and utilizing it for reservoir characterization purposes.

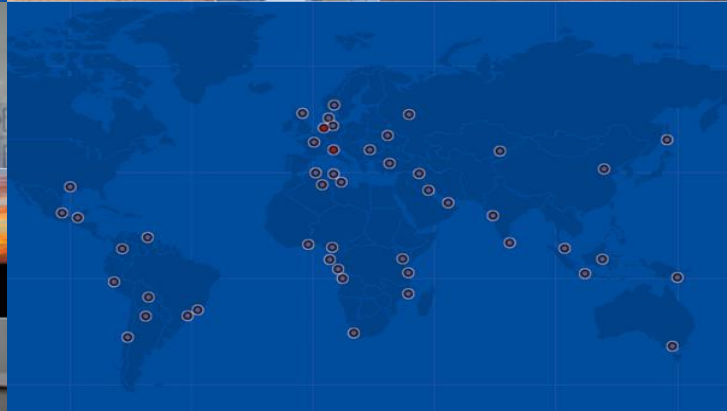
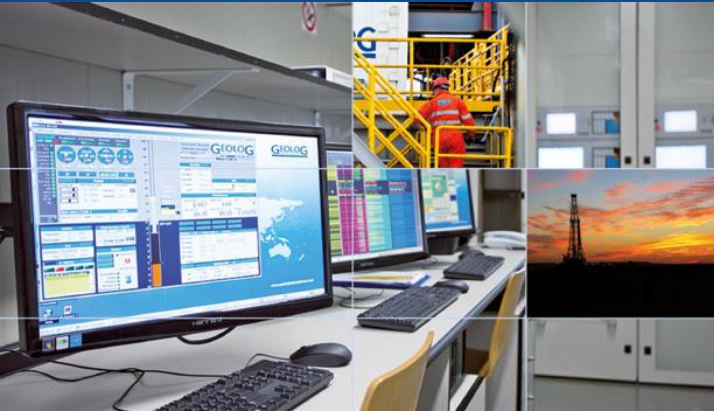
Advanced Surface Logging techniques deliver high quality measurements and data in real-time and deliver valuable information at a fraction of the cost of the traditional well logging suites, utilizing proprietary, sophisticated equipment on-site. This workshop will bring the attendees up to date with the latest academic and case-studies from the field, of the advanced surface logging technologies.

The course will cover:

- Basics of surface logging for formation evaluation while drilling
- Reservoir characterization from Advanced Mud Gas Logging
- Real-time Isotopic Analysis $\delta^{13}\text{C}$ of C_1 , C_2 and C_3
- Source Rock Characterization
- Inorganic geochemistry of rocks
- Headspace and Interstitial gas measurements and analysis
- Bit-Wear Analysis
- Fracture Analysis from Advanced flow measurements
- Tools and Techniques for Wellbore Stability and Cleaning
- Drilling Optimization

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Agenda	
Timing	Topic
08.00 – 08.05	Welcome and safety moment – Matt Boyce
08.05 – 09.00	Introduction to Surface Logging techniques for Formation evaluation – Isaac Easow
09.00 – 11.00	Reservoir characterization from Advanced Surface Logging – Isaac Easow
11.00 – 11.30	Fracture Analysis for Reservoir characterization – Barzin Chiniwala
11.30 – 12.00	How can surface logging aid operators in drilling and completions – Matt Boyce
12.00 – 13:00	Lunch
13.00 – 14:00	Tour of the Advanced Logging Unit – Paulo Esteves
14:00 – 15.00	Innovative Drilling monitoring and optimization Technologies – Barzin Chiniwala
15:00 – 15.15	Closing discussions/Questions



Isaac Easow:

Isaac Easow joined the O&G industry in 1991 as a Mud-logging Geologist after completing his Masters in Geology from University of Mumbai, India. He worked as a field engineer in various oilfield drilling locations in India, Indonesia and the Middle East as well-site geological logging engineer, pore pressure evaluation engineer and gas while drilling specialist. Since 2006, he joined the gas while drilling interpretation team to support real-time operations in North America, Latin America and West Africa. Since 2011, he has focused on interpretation and operations support for unconvensionals in North America for the multi-national mud-logging company. In late 2014 he joined Geolog Americas and started his role as Advanced Technologies Champion providing real-time interpretation support for Reservoir Characterization services for both Unconvensionals and Conventional in North America, based in Houston Texas.





Barzin Chiniwala:

Barzin Chiniwala joined the Oil and Gas industry in 2001 as a Mud-logging geologist after completing a M.S. degree from the University of Mumbai, India in Applied Geology. He worked as a field engineer in different geographic locations for various operators in India, China, North Sea and Angola. 2006 onwards, he took up various Operations Management positions for the North Sea, based in the Aberdeen, U.K. In 2011, he joined a multi-national drill bits Technical Sales team in UK, where he was responsible for drill bit and under-reamer sales to some of the major operators in the North Sea. Following that, in 2013, Barzin took up the global Product Manager Role for PDC Cutters and Bits, based in Houston. In 2015, with the benefit of comprehensive mud-logging and drilling knowledge, he took up the role of GEOLOG Business Development Manager for Drilling Technology Services, based in Milan, Italy. A year ago, he moved to the GEOLOG Houston office and focusing on promoting and executing drilling optimization services the Americas, for conventional, unconventional and as well as global Geolog operations.

