“Reserves Assessment in Matured Assets”

$200 for all and $100 for students

Description
This course entails estimating reserves in diverse reservoir settings. The participants will gain insights into several established methods, such as material-balance analysis (MBA), decline-curve analysis (DCA), and rate-transient analysis (RTA) for estimating the in-place volume associated with a given well in actual field settings, wherein various drive mechanisms may be in play. The discussion will also entail regulatory guidelines of SEC and the general guidance offered by SPE-sponsored Petroleum Resources Management System (PRMS).

Learning Objectives
- Applying fundamental tools for understanding various reservoir recovery processes: primary, secondary, and tertiary
- Forecasting performance with decline-curve analysis (DCA) and allied tools and understand their relative strengths
- Learning from published case studies in diverse reservoir settings
- Understanding reserves booking guidelines offered by PRMS and SEC

Workshop Content
This half-day course emphasizes understanding of various analytical tools for understanding flood performance, leading to the assessment of remaining reserves. Specifically, we use the water-oil/water-gas ratio type curve and the reciprocal-PI plot for monitoring flood performance at individual producers. The use of CRM (capacitance-resistance model) for various flow problems, such as from reservoir’s production inception to various degrees of maturity illuminates potential challenges, from well connectivity to water influx to flood conformance. Application of DCA emphasizes matching the cumulative-production curve for retaining solution consistency and objectivity. Review of reserves booking guidelines will refresh both the internal and regulatory requirements.

Learning Level: Beginner to intermediate

Course Length: 0.5 days

Who Should Attend: This course is for anyone that would like to expand their knowledge and skill-set in reserve assessment

CEUs: 0.4 CEUs (Continuing Education Units) will be awarded for this half-day course.

Special Requirements: None

Cancellation Policy: To receive a full refund, all cancellations must be received in writing no later than 14 days prior to the course start date. Cancellations made after the 14-day window will not be refunded. Send cancellation requests by email to Francois.florence@gmail.com
Instructor

SHAH KABIR is an adjunct member of the faculty at U. of Houston and proprietor of CS Kabir Consulting. He was a 2006–07 SPE Distinguished Lecturer, received the 2010 Reservoir Description and Dynamics Award, and the SPE/AIME Honorary Membership Award in 2016. He has worked for Chevron and Hess companies, and his experience spans more than 40 years in the areas of transient-pressure testing, fluid and heat-flow modeling in wellbores, and reservoir engineering. He has published over 130 peer-review articles, coauthored the 2002 SPE book Fluid Flow and Heat Transfer in Wellbores and contributed to the 2009 SPE Monograph, Transient Well Testing. Kabir has served on various SPE committees, including the editorial review committees for SPE Production & Facilities, SPE Reservoir Evaluation & Engineering, and SPE Journal. Kabir holds a master’s degree from the University of Calgary.