



## **Technical Session 2013 SPEE Annual Meeting**

### **Monograph 4--Estimating Developed Reserves in Unconventional Reservoirs**

John Seidle

As chair of the SPEE Monograph 4 committee, I have the privilege of working with Scott Wilson (SPEE, Ryder Scott), John Ritter (SPEE, Occidental), Dr. John Lee (SPEE, Univ of Houston), Dr. Jim Erdle (CMG), Casey O'Shea (IHS/Fekete), Creties Jenkins (Rose & Associates), and our technical editor, DJ Weatherford. After a brief definition of an unconventional reservoir, this presentation will review the different methods we are using for estimating developed reserves in such reservoirs, present the status of our current efforts, and give a rough timeline going forward. We will conclude with an example problem from the monograph which determines estimated ultimate recovery (EUR) with several different methods.



#### **BIOGRAPHY**

John Seidle is a Vice President with MHA Petroleum Consultants LLC in Denver, Colorado. He has more than thirty years of experience in unconventional gas and oil reservoir engineering in domestic and international plays. His current duties include unconventional reservoir engineering work, reserve studies and economic evaluations, and serves as an expert witness for litigation and regulatory hearings. Privileged to work with others on over 25 technical papers and 6 patents, he is the author of Fundamentals of Coalbed Methane Reservoir Engineering. He received a PhD in Mechanical Engineering from the University of Colorado, is a member of SPE, AAPG, and SPEE, and is a Registered Professional Engineer in Colorado, Oklahoma, and Wyoming.

**Dr. John P. Seidle**  
**Vice President**  
**MHA Petroleum Consultants**