

Modern Production Decline Analysis

1.6 CEUs (Continuing Education Units) awarded for this 2-day course.

Instructor

David Anderson, Fekete Associates Inc.

Intended Audience

Engineers and technologists involved in any of the following areas: exploitation, reserves evaluation, production optimization and welltest analysis. In general, anyone interested in getting more "mileage" out of production and flowing pressure data.

Description

This course provides a comprehensive methodology for production data analysis that combines the use of several powerful analysis techniques, ranging from the traditional – empirical (rates only) to the modern - analytical (rates and flowing pressures). This approach ensures that maximum value is extracted from the available data.

Participants will learn how to do the following:

- Identify reservoir and well flow regimes
- Determine reserves, OGIP / OOIP and drainage area
- Determine permeability and skin
- Validate well performance data
- Assess well performance and identify optimization candidates
- Use results at a field level to optimize development strategies
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Participants are encouraged to bring their own production and pressure data (ASCII columnar format) as there will be time to work through several of these examples as a class.

Note: Laptop recommended for day #2 (minimum requirements: Pentium 3 with 1 GB RAM). Software will be provided.

About the Instructor

David Anderson (P.Eng) is a Senior Technical Advisor with Fekete Associates Inc. He has eleven years of experience in the petroleum industry, including production optimization, gas deliverability modeling and welltest analysis. Over the past five years, he has lead the development of Fekete's F.A.S.T. RTA software, and has become a recognized expert in the area of modern production analysis techniques. David has authored numerous papers on the subject, for which he has been awarded two "Best Presented Paper" awards from the Petroleum Society of CIM (both in 2005). He has lectured and presented industry courses all over the world on modern production analysis. David has served on the SPE Canadian Section board during 2005-2007 as Director for the Young Professionals Initiative.