THERMAL OIL RECOVERY

April 24-26, 2013 (W,Th,F) - BAKERSFIELD, CA

INSTRUCTORS:

S.M. Farouq Ali

Farouq Ali has taught similar short courses to over 7000 industry participants during the past 49 years. He specializes in thermal recovery and simulation. Farouq Ali has written three books and over 500 technical papers on these subjects. He has designed more than 40 oil recovery projects in various countries. Among many awards, in 1997, he received the Society of Petroleum Engineers' Thermal Recovery Pioneer award. He is a member of the U.S. National Academy of Engineering.

Jeffery A. Jones

Jeff Jones is a Staff Engineer with E & B Resources, in Bakersfield, and has over 41 years' experience in all facets of thermal recovery engineering. Jeff has worked on steamflood, cyclic steaming, and in situ combustion projects, and has experience with reservoir, production, and facilities engineering. An accomplished programmer, he has published many technical papers and holds a number of U.S. patents on thermal recovery related devices. Jeff received Society of Petroleum Engineers' Production Engineering Award in 2002. He was a SPE Distinguished Lecturer for 2004-2005. He received the Society of Petroleum Engineers' Thermal Recovery Pioneer award in 2010.

COURSE OBJECTIVES:

This 3-day thermal recovery course is designed to provide an understanding of heat and fluid flow in heavy oil reservoirs, prediction of thermal performance, and a review of field experience. Special attention is paid to current technologies such as operation of mature steamfloods, horizontal well applications, SAGD, VAPEX, etc. The course is designed for reservoir and production engineers but will also be useful for geologists, technicians and managers working in heavy oil production. Easy-to-use PC programs and spreadsheets are provided to help the participants understand thermal processes and make engineering predictions.

TEXTS:

Participants will receive a comprehensive, revised manual.

COMPUTER PROGRAMS:

IBM PC computer programs in VisualBasic and Excel worksheets will be provided to estimate steam zone development, heat loss, cyclic steaming performance, pressure drop in steam lines, steamflood performance prediction, SAGD calculations, etc.

LOCATION & SCHEDULE:

The course will be held at Four Points Sheraton Inn, 5101 California Avenue, Bakersfield, California 93309; phone (661)325-9700. Participants are requested to make their own hotel reservations. The daily schedule will be 8:30 am to 11:30 am and 1:00 pm to 4:00 pm, Monday to Wednesday. The Computer Workshop is scheduled for Tuesday evening.

RELATED COURSES:

A course on Heavy Oil Recovery is scheduled for Calgary. For courses on EOR and Reservoir Simulation, please contact Dr. Farouq Ali for details. Phone: (780)461-2944, Fax: (780)461-8494, e-mail: smfarouqali@gmail.com

IN-HOUSE TRAINING:

This course, as well as several others, are available for in-house training of engineers, field personnel, and managers. The length and contents of the courses can be tailored for specific needs.

COURSE OUTLINE:

- Heavy oil resources and recovery technology, status of thermal recovery;
- General aspects of oil recovery; success with EOR, technology & economics;
- Steamflood mechanisms, recovery predictions, field experience & techniques;
- Mature steamfloods, heat management;
- SAGD: Steam-Assisted Gravity Drainage & its variations, application, experience;
- Cyclic steaming theory and practice, with emphasis on California experience;
- High pressure air injection and its variations;
- Horizontal well applications to thermal and non-thermal heavy oil recovery;
- Thermal well completion, operation, wellbore heat losses, heat management;
- Steam generation and injection; design and monitoring of thermal pilots;
- Thermal simulators and their effective use;
- Computer workshop.