



PC PUMPING SYSTEMS DESIGN & PERFORMANCE OPTIMIZATION COMPREHENSIVE (5-DAY) COURSE

Progressing cavity (PC) pumping systems have emerged as a common form of artificial lift in a variety of applications ranging from heavy oil to coal bed methane dewatering. System selection and operating practices play key roles in ensuring that a PC Pumping system provides reliable and economical performance.

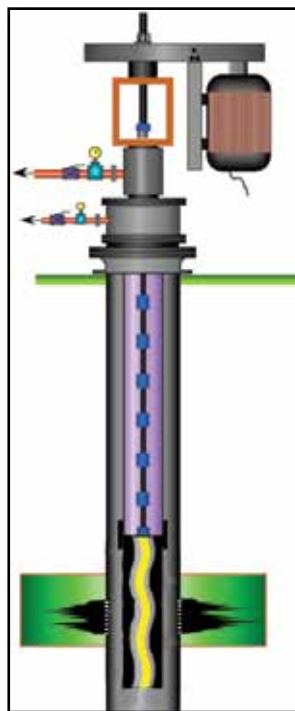
COURSE DESCRIPTION

To assist operators implementing this technology, a comprehensive (5 day) course has been developed which focuses on the fundamentals, design and operation of PC pumping systems for oil production. This course is based on knowledge and information acquired by C-FER since 1986 through numerous field studies, lab investigations and a major joint industry project focused on PC pumping system performance in a wide variety of production applications.

TOPICS

- Applications and operating principles of PC pumps
- Pump design and testing methods
- Failure Diagnosis
- Completion and operation issues
- Well monitoring and system diagnostics
- Auxiliary equipment selection

The course also includes hands-on training with PC-PUMP®, the software developed by C-FER for the interactive design and evaluation of PC pumping systems.



WHO SHOULD ATTEND?

The course has been developed for personnel who deal with the design and operation of progressing cavity pumping systems. This includes:

- Field Operators
- Engineers
- Equipment Manufacturers & Vendors
- Completion & Production Technologists

Introductory material is included in the course to accommodate participants who have limited knowledge of PC pumping systems.

FORMAT

The course includes lectures and exercises. During the exercises, participants solve example problems in selected areas of interest using PC-PUMP® and with the assistance of the instructor. A comprehensive set of course notes is provided.

For course date and registration information, see back of this brochure or contact:

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C-FER
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ABOUT C-FER TECHNOLOGIES

C-FER Technologies is an independent research and development company serving the global energy industry. Focused on industry-driven research, we are committed to meeting the technology needs of the resource industry by developing new technologies that enhance both safety and economics.

C-FER's scope of services includes: analyzing, testing and assessing engineering structures, equipment and processes; developing software decision support tools to optimize the design and operation of engineering systems; and managing joint industry projects (JIPs) which deliver high value, leveraged research programs that maximize value through cost sharing among the sponsors.

Our world-class laboratory facility includes systems for testing components and equipment systems at full scale under realistic in-service conditions – load, pressure, temperature (-60°C to +400°C) and hostile chemical environments.

MAILING LIST

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COURSE PREFERENCE

I would prefer the course be held in:

City: _____

Prov/State: _____

Country: _____

PLEASE ANSWER THE FOLLOWING:

I would prefer...

- Open registration (multiple companies)
- In-house course (one company only)

I would prefer...

- 2-Day training session using PC-PUMP® software
- 3-Day introductory course including hands-on sessions using PC-PUMP® software
- 5-Day comprehensive training session using PC-PUMP® software