



## Continuing Education Short Course (16 PDHs)

**TITLE:** Introduction to Cold Production

**INSTRUCTORS:** Kirby Hayes, Bob Mottram, Ron Sawatzky

**Instructor Profiles:** *Kirby Hayes* has an extensive cased hole wireline background. Currently his company, KHI, represents 7 corporations offering services and products primarily involved in heavy oil production in the Lloydminster area. Kirby has conducted various seminars, short courses and workshops, co-authored technical papers, and prepared many presentations on wide-ranging topics of interest to heavy oil producers. **Bob Mottram**, R.E.T., R.T.P. (Eng.), has more than 23 years of heavy oil experience, in various engineering and operations roles with both heavy oil E&P and service companies. Bob has conducted numerous heavy oil training courses. He currently works for Grit Industries and Cold Weather technologies in Lloydminster and is primarily responsible for the development of new technologies aimed at increasing the efficiency and profitability of heavy oil operations. **Ron Sawatzky** is a senior research scientist with the Alberta Research Council in Edmonton, with more than 16 years of experience working in research and development for heavy oil recovery processes. For the past 13 years he has served as one of the team leaders for the cold production research group at ARC.

**When?** April 4 & 5, 2005 8:30 am – 5:00 pm

**Where?** Sheraton Cavalier (Theatre Room)  
2620 – 32<sup>nd</sup> Av. N.E., Calgary, Alberta

**What this course will provide:** This course is designed to provide an overview of current practices and theory for heavy oil cold production. Course content will include:

- Production Engineering – drilling and completions, production practices, transportation and marketing;
- Reservoir Engineering – recovery mechanisms, field behaviour, modelling;
- When Cold Production Fails – problems and remediation, workover methods and stimulation options.

**Who this course will benefit:** This two-day course is for technical and operations staff with heavy oil producers and service companies looking for an introduction to reservoir and production issues involved in the cold production recovery process.

**Cancellation policy and payment:** Pre-registration is required and **payment is due before or at the course**. Payment can be made by cheque (payable to SPE), cash, **VISA or MasterCard**. A full refund will be issued if notice is received on or before Friday, March 18, 2005 (50% if notice is received on or before Friday, March 25, 2005). There will be no refunds after March 25th, but substitutions are acceptable. In the event the course is cancelled, a full refund will be given to those who have pre-paid.

Send this form via facsimile to SPE at (403) 263-3796, mail to 800, 540 – 5 Avenue SW, Calgary, AB T2P 0M2 or  
Email [speca@spemail.org](mailto:speca@spemail.org) ATTENTION: Janice Kyte

Name \_\_\_\_\_ Company \_\_\_\_\_

Company Address \_\_\_\_\_

City \_\_\_\_\_ Province \_\_\_\_\_ Postal Code \_\_\_\_\_

Telephone ( \_\_\_\_\_ ) \_\_\_\_\_ Fax ( \_\_\_\_\_ ) \_\_\_\_\_

Email \_\_\_\_\_

\_\_\_\_\_ SPE Member(s) @ \$825.00 Cdn \_\_\_\_\_ = \$ \_\_\_\_\_

\_\_\_\_\_ SPE Non-member(s) @ \$950.00 Cdn \_\_\_\_\_ = \$ \_\_\_\_\_

Total \$ \_\_\_\_\_

VISA/MasterCard number \_\_\_\_\_ Expiration date \_\_\_\_\_

Name on card \_\_\_\_\_ Signature \_\_\_\_\_