

FUNDAMENTALS OF WELL COMPLETIONS

June 7, 2018
EUCI Conference Center
Denver, CO

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OVERVIEW

In petroleum production, completion is the process of making a well ready for production. Understanding the completions process is important for many non-technical professionals working within the oil and gas industry. This course is intended for individuals with little to no prior completions knowledge who will benefit from learning more about the completions process.

The instructor, who has decades of “boots on the ground” experience, will discuss the steps of the well completions process. Different types of completion design will be covered, including open-hole, perforated, guyed-lattice structures, and more. Attendees will leave the course with a basic understanding of wellbore and completion equipment. The course will also address topics such as completion fluids, stimulation, and special completions.

LEARNING OUTCOMES

Attendees to this course will:

- Address the basic steps of well completion
- Describe completion design
- Identify wellbore and completion equipment
- Discuss completion fluids
- Evaluate stimulation methods
- Recognize special types of completion
- Review completions testing methods

WHO SHOULD ATTEND

- Oil & gas professionals who require a fundamental overview of well completions, including:
 - o Landmen
 - o Support staff
 - o Administrative
 - o Environmentalists
 - o Legal
 - o Analysts
 - o Consultants
- Personnel working indirectly with completion issues
- Engineering technicians
- Engineers-in-training



“This was my first “class” I’ve been learning on the fly for the last five years. Very helpful! I will be sure to attend other events in the future.”

VP, Citadel Advisory Group



“Attending Fundamentals of Well Completions was a valuable use of my time. Course material was very thorough and course instructor was very knowledgeable and easy to follow. Highly recommend attending.”

Analyst, Citadel Advisory Group

AGENDA

THURSDAY, JUNE 7, 2018

8:00 – 8:30 am **Registration and Continental Breakfast**

8:30 am – 5:00 pm **Course Timing**

12:00 – 1:00 pm **Group Luncheon**

Basic Steps

- Geologic environment
- Reservoir characteristics
- Long term plan for reservoir development

Completion Design Options

- Open-hole
- Perforated
- Gravel or frac packed
- Fracture stimulation designs
- Special considerations: multilateral, multi-zone, steam, open or cased hole isolation packers

Completion Equipment

- Tubing
- Packers/sleeves/bridge plugs
- Production liners
- Wellhead and christmas trees
- Subsurface safety valves

Completion Fluids

- “Clean” drilling fluids
- Salt water fluids
- Oil based fluids
- Well control considerations

Cased Hole Logs

- Cement (temp/USIT) bond log
- Correlation log
- Caliper log
- Fluid entry logs

Perforation

- Casing guns
- Through tubing guns
- Tubing conveyed
- Underbalanced
- Size, shots per ft, depths of penetration, phasing



“Very informative and well presented.”

Technical Sales, ARDT



“...I learned more than I expected.”

Principal, Noah Consulting



“A ton of information in the given amount of time.”

Operations, ENPRO LLC

AGENDA

THURSDAY, JUNE 7, 2018 (CONTINUED)

Stimulation

- Acid
- Fracture
- Pressure wash perfs
- Pressure build up tests

Completion Testing Methods

- Unloading the well
- Facilities to separate fluids
- Transportation and disposal of fluids
- Putting the well on artificial lift

Summary & Conclusion

INSTRUCTOR



M.K. (Val) Lerma

Engineering Manager, InterAct

Ms. Lerma has worked in the oil industry for over 30 years. Her experience includes drilling, reservoir, and production engineering, as well as management. She has worked for both major and independent operators, both on and offshore. She has a BS and MS in Petroleum Engineering from the University of Southern California, and an MBA from California Lutheran University. She served as the Engineering Manager, Business Development Manager, and President of Orchard Petroleum Inc., and Orchard E&P, LLC. Ms. Lerma taught the drilling engineering undergraduate and graduate course at USC for 7 years, and currently teaches various oil and gas classes for both the PTTC and EUCI. She's on the Curriculum Advisory Board for the University of North Dakota's petroleum engineering department, and is a member of the local API Board. Val has authored and co-authored several SPE papers and is a licensed professional petroleum engineer in the State of California. Val is currently the Engineering Manager for InterAct, an Acteon Company.



"Awesome class."

Production Engineer,
Freeport McMoRan



"Good training."

Accounting Manager, US Well

REQUIREMENTS FOR SUCCESSFUL COMPLETION OF PROGRAM

Participants must sign in/out each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

INSTRUCTIONAL METHODS

Case studies and PowerPoint presentations will be used in this program.

IACET CREDITS



EUCI has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, EUCI has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

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EVENT LOCATION

EUCI Conference Center

4601 DTC Blvd., B-100
Denver, CO 80237

NEARBY HOTELS

Preferred Hotel

Hyatt Place Denver Tech Center

8300 E. Crescent Parkway, Greenwood Village, CO 80111 (0.9 miles away)

Call Central Reservations at **888-492-8847** and ask for the EUCI rate of US \$149 plus applicable tax (**CODE: EUCI**)

or visit [Hyatt Place Denver Tech Center - EUCI](#)

Hyatt Regency Denver Tech Center

7800 E. Tufts Ave
Denver, CO 80237
Phone: 303-779-1234
0.3 miles away

Hilton Garden Inn Denver Tech Center

7675 E. Union Ave
Denver, CO 80237
Phone: 303-770-4200
0.6 miles away

Denver Marriott Tech Center

4900 S. Syracuse St
Denver, CO 80237
Phone: 303-779-1100
0.7 miles away

REGISTRATION
to register [CLICK HERE](#) or

Call: 201 871 0474
fax: 253 663 7224
email: register@pmaconference.com
web: <http://pmaconference.com/>
Mail: POB 2303 Falls Church Va 22042

Please make checks payable to: "PMA"

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 4601 DTC Blvd., B-100
 Denver, CO 80237

SEE NEARBY HOTELS ON PAGE 5

PLEASE SELECT

BOTH DRILLING 101 AND FUNDAMENTALS OF WELL COMPLETIONS COURSES:

JUNE 6-7, 2018: US \$1895,
 Early bird on or before May 18, 2018: US \$1695

FUNDAMENTALS OF WELL COMPLETIONS COURSE ONLY:

JUNE 7, 2018: US \$995,
 Early bird on or before May 18, 2018: US \$895

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

Print Name

Job Title

Company

What name do you prefer on your name badge?

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State/Province

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Country

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List any dietary or accessibility needs here

CREDIT CARD INFORMATION

Name on Card

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Account Number

Billing City

Billing State

Exp. Date

Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx)

Billing Zip Code/Postal Code

OR Enclosed is a check for \$ _____ to cover _____ registrations.

Substitutions & Cancellations

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before May 4, 2018 in order to be refunded and will be subject to a US \$195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices at (201) 871-0474.