

Would you like to receive an overview of petroleum engineering in an understandable way?

Would you like to be able to communicate better with the petroleum engineers and geologist you work with?

Would you like to better understand the exploration and production process?

If you answered **YES** to just one of these questions ... **this seminar is for you!**

## Seminar Objectives

To provide nontechnical support personnel an overview of the exploration/production process. To arm them with the terminology associated with these procedures and practices that will increase their understanding of the process and facilitate communication between them and the engineers and geologists they work with.

## Instructors

**John Farina** is a consultant to the petroleum industry in well drilling, evaluation and completion. He spent nine years with Shell Oil Company supervising a well workover and completion group, seven years as a production manager for Sneider and Meckel Associates. He currently lectures for several major oil companies. Farina is a member of the Society of Petroleum Engineers and a past Distinguished Lecturer for the American Association of Petroleum Geologists.

**Mark Klins, PhD**, is currently a management consultant specializing in the development of petroleum resources. He received his PhD in Petroleum Engineering from Pennsylvania State University. He served as a professor of petroleum and natural gas engineering at Penn State and USC. He joined Chevron and worked in various upstream operations, serving in an array of drilling, production, and reservoir engineering assignments and asset management positions both nationally and internationally. In addition, Dr. Klins has authored or co-authored three textbooks and written over 25 papers and articles.

*Both of these instructors have been selected and approved by TU-CESE to teach one or more of these offerings.*

# Petroleum Engineering for Non-Engineers

## Course Outline

- Introduction and quick review of geology behind the process
- "Oil Well" video illustrating basic drilling and completion, as well as a blow-out
- Overview of on-shore drilling rigs: design considerations, pros and cons of different systems
- Overview of off-shore rigs: submersibles, floating platforms, barges, jack-up
- Directional drilling tools and techniques: identification of conditions requiring a directional well, horizontal well productivity, and pros and cons
- Well completions: completion methods — open hole, perforating, wire wrap; discussion of oil well production equipment — casing, tubing, review of cementing practices and procedures; radial flow
- Reservoir stimulation: acidizing, hydraulic fracturing
- Reservoir drive mechanisms: dissolved gas, gas cap, water and combo drives; discussion of the impact of different drives on oil and gas production
- Improved recovery techniques: waterflooding; artificial lift options — gas lift, sucker rod pumps and electric submersible pumps
- Handling sub-surface fluids; removing water; separating liquid and gas; storing crude oil
- Well log analysis: SP and GR logs; shaliness; porosity measurement — equation calculation; density logs/sonic logs; determining saturation

**"This course is perfect for any non-engineer interfacing with engineers on a daily basis."**

— **K. Silvio, Financial Reporting Analyst, ExxonMobil Corp.**

**"In my 28 years in the oil industry, this was the best class I have taken...very interesting and informative."**

— **S. Hypolite, Sr. Petrophysicist Tech, Shell Oil Company**

## Who Should Attend

Anyone needing or wanting an understanding of petroleum engineering in order to be more productive at their job, will find this seminar beneficial.

Past participants have included: Engineering Techs • Administrative Assistants • Landmen • Geo Techs • Managers • Regulatory Analysts • Sales Representatives • IT Consultants • Accountants • Land Techs • Recruiters • Attorneys • Executive Assistants

## Dates, Times, and Locations

The seminar meets from 8:30 a.m. to 4:30 p.m. each day.

### May 10-12, 2016 ■ Houston, TX

Doubletree at Greenway Plaza  
6 Greenway Plaza East • 713-629-1200

### Aug. 30 - Sept. 1, 2016 ■ Denver, CO

Marriott Tech Center Hotel  
4900 S. Syracuse Street • 303-779-1100

### November 15-17, 2016 ■ Houston, TX

Marriott Westchase  
2900 Briarpark Drive • 713-978-7400

## Hotel Reservations

If you wish to make overnight accommodations at the seminar site, contact the hotel directly for reservations. Specify you are with The University of Tulsa Petroleum Engineering for Non-Petroleum Engineers seminar for special group rates. To ensure space availability and special group rates, reservations must be made 1½ months prior to the seminar date.

## Accreditation Information

This course qualifies for 1.95 CEUs (Continuing Education Units) and 19.5 PDHs (Professional Development Hours). It has been applied for American Association of Professional Landmen RLP and CPL Hours, Continuing Legal Education Hours, and CPE Hours in many states.

"This course has been like putting pieces of a puzzle together. I now feel I can communicate better with the engineers, as well as understanding the "how" and "why" of petroleum engineering."

— **E. Johnson, Engineering Tech, Cimarex Energy**

"Great information in a compact course to help understand the nuts & bolts of the energy industry."

— **J. Bostwick, Engineering Analyst, Linn Energy**

"This course was like turning on a light bulb in the dark! It will make my job so much better!"

— **L. Moore, Admin. Asst., Newfield Exploration**

"I have been in O&G services sales for 15 years and the drilling terminology was always a foreign language to me. Now the pieces of the puzzle fit!"

— **S. Brady Connor, Sales Rep, Flotek Industries**

"Great enthusiasm and knowledge! Made learning very fun. This will help me in my daily work in the Accounting Dept."

— **J. Gordon, E & P Supervisor, SM Energy**

"The course was interesting and provided a good understanding of the industry."

— **N. Boggs, Executive Recruiter, Dalton, Boggs and Assoc.**

"Excellent! Very informative!"

— **L. Sandoval, Environmental Specialist, Continental Resources**

## You Will Learn . . .

- The requirements for an exploration project
- Tools, practices and terminology associated with drilling a well
- Current offshore drilling equipment and practices
- Application of directional and horizontal drilling
- How openhole logs and cores are used to evaluate a well
- Completion practices, including hydraulic fracture stimulation
- How oil is produced from a well with artificial lift
- About surface equipment used to gather, process and store produced fluids

## Registration Form (print legibly)

I would like to enroll in:

### Petroleum Engineering for Non-Engineers

- May 10-12, 2016 • Houston, TX  
 August 30 - September 1, 2016 • Denver, CO  
 November 15-17, 2016 • Houston, TX

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_ Country \_\_\_\_\_

Participant Phone (\_\_\_\_\_) \_\_\_\_\_

Participant Email \_\_\_\_\_

### ENROLL ONLINE AT [WWW.CESE.UTULSA.EDU](http://WWW.CESE.UTULSA.EDU)

(credit card payments only)

#### Tuition Fee (net U.S. dollars):

- \$1695 per person - Group Discount  
 \$1895 per person - Early Enrollment Discount  
 \$1995 per person - Regular Tuition Fee

#### Method of Payment:

Check enclosed. *Make payable to The University of Tulsa, CESE*

Charge my credit card.

VISA  MasterCard  Discover  Am. Exp.

Card Number \_\_\_\_\_

Exp. Date \_\_\_\_\_ CSC Code \_\_\_\_\_

Name on Credit Card \_\_\_\_\_

Billing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

#### Contact our office at:

The University of Tulsa, C.E.S.E.  
800 South Tucker Drive  
Tulsa, OK 74104-3189 USA  
**CALL:** 918-631-3088  
**EMAIL:** [cese@utulsa.edu](mailto:cese@utulsa.edu)



## It's Easy To Enroll

- 1. Return the registration form to:** The University of Tulsa, Continuing Education for Science & Engineering, 800 S. Tucker Dr., Tulsa, OK 74104-3189
- 2. Call our office:** (918) 631-3088
- 3. Fax the form:** (918) 631-2154
- 4. Email us:** [cese@utulsa.edu](mailto:cese@utulsa.edu)
- 5. Enroll online:** [www.cese.utulsa.edu](http://www.cese.utulsa.edu) (credit card payments only)
- 6. Use our QR Code** to go to our website



**Seminar Fee:** The seminar fee covers all materials specially prepared for this program (expanded program handbook, Drilling and Production Rig Component Chart, workshop manual, articles, forms, checklists), demonstrations, instruction, University of Tulsa, CESE Certificate of Completion and daily break refreshments.

**Early Enrollment Discount:** To qualify, your registration and payment must be received in our office one month prior to the seminar location you plan to attend.

**Group Discount:** Available to groups of three or more people from the same company attending the same location.

**Refunds:** All paid seminar fees will be refunded in the unlikely event the course is canceled. Those who cancel five working days or less prior to the seminar will receive a refund less an administrative fee of \$95. Refunds will not be granted after class has begun or for nonattendance. Substitutions are permitted at any time.

### In-Company Presentations

This course taught is also offered as an in-company training program. For further information, contact Susan Gates at [susan-gates@utulsa.edu](mailto:susan-gates@utulsa.edu).

“At last, all those acronyms and terms I’ve been hearing finally make sense!”

- B. Williams, Engineering Tech, Sheridan Production

“For someone having very little knowledge of the oil & gas industry, this course was easy to understand. I feel more knowledgeable.”

- B. Rodarte, File Clerk, Energy XXI

“I would be willing to bet that there is not another 3 day program that will enhance your knowledge about the industry more than this one.”

- M. Macnoll, Financial Analyst, Merit Energy Company

“A very informative overview from drilling to completions to production and everything in between!”

- J. Dixon, Engineer Tech - Prod., Linn Energy

“This was time very well spent.”

- K. Wille, Sr. VP, First Interstate Bank

“Excellent course, gave us a better understanding of petroleum engineering.”

- M. MacDougall, Landman, EQT Production Co.

“Now I have a greater understanding of what takes place in the field.”

- D. Darland, Engineering Tech, Unit Corporation

“Very interesting & informative course.”

- J. Lewis, Lease Analyst, Shell

“Very engaging. One of the most beneficial continuing education classes available.”

- C. Stone, Landman, QEP Energy Company

# Petroleum Engineering for Non-Engineers

*Learn the Basics of Petroleum Engineering*

**MAY 10-12, 2016**  
**HOUSTON, TX**

**AUG. 30 - SEPT. 1, 2016**  
**DENVER, CO**

**NOV. 15-17, 2016**  
**HOUSTON, TX**

Instructed by  
**John Farina & Mark Klins**



THE UNIVERSITY of  
**TULSA**

*Continuing Education for  
Science & Engineering*