



## COILED TUBING & HORIZONTAL DRILLING OF UNCONVENTIONAL RESERVOIRS

Matthew Swartout

<u>FECHA:</u>	Lunes 12 al 16 de Mayo de 2014
<u>LUGAR:</u>	YPF – Macacha Güemes 515 – Puerto Madero – Bs.As.
<u>HORARIO:</u>	8:30 a 12:30 h 13:30 a 17:30 h.
<u>VALOR INSCRIPCIÓN:</u>	SOCIOS 2.900 USD y NO SOCIOS 3.100 USD.
<u>CIERRE INSCRIPCIÓN:</u>	Viernes 2 de Mayo de 2014
<u>IDIOMA:</u>	Inglés
<u>INSCRIPCIONES:</u>	<a href="mailto:info@spe.org.ar">info@spe.org.ar</a> indicando nombre y apellido, curso solicitado y Empresa a la que pertenece.
<u>IMPORTANTE:</u>	Disponer de notebook, para la realización de ejercicios.

### PROGRAMA DEL CURSO

#### History of Coiled Tubing Development Application of the Technology

- Drilling
  - Shallow Wells
  - Deep Wells
  - Multi-Lateral
  - Workovers
- Workovers
- Pipelines

#### Horizontal Drilling with Coiled Tubing

- Equipment Requirements
  - Surface Equipment
  - Bottom Hole Assemblies
- Planning/Design of a Well using Coiled Tubing Technology
- Field Management of a Coiled Tubing Drilling Operation
- Evaluation of Coiled Tubing Drilled Horizontal Wells

#### Under Balanced Drilling

#### Planning Directional and Horizontal Wells

- Purpose/Application of Directional/Horizontal Wells
  - Directional
  - Horizontal
  - Side Tracks
  - Conventional versus Coiled Tubing
- Extended Reach Drilling Software (Eg. Signa)

- Purpose
  - Application of Software
- Developing of a Well Plan
  - Surface Equipment
  - Downhole Equipment
  - Drilling Fluids Systems
  - Casing and Liners

### **Special Equipment/Tool Selection**

- Well Control Systems
- Downhole Assemblies
- Measurement While Drilling Technology
- Logging While Drilling
- Logging While Tripping
- Wellbore Monitoring
- Surface Data Acquisition
  - Drilling Rig
  - Office
- Well Control
  - Underbalanced Drilling
  - Managed Pressure Drilling
  - Advanced Well Control

### **Implementing and Managing the Drilling**

- Cost Control
- Logistics
- Review of Daily Progress

### **Completions and Production**

- Well Completion
  - Casing and Liners
  - Downhole Equipment
  - Wellhead Design
- Well Stimulation: Acidizing and Hydraulic Fracturing

### **Workshop Focus:**

Through discussions, case studies and the use of Extended Reach Drilling Software, the participants will learn about current Horizontal Drilling Technology and its application to unconventional reservoirs.

## **CV DEL INSTRUCTOR**

### **Résumé Summary for Matt Swartout – P. Eng.**

A Drilling Engineer with 28 years of experience in Canada, the United Arab Emirates Kurdistan, Brazil, Venezuela, Indonesia, Japan, USA and Russia. Responsibilities included: Drilling Management, Design and Development and Field Implementation of Drilling Programs for shallow oil and gas wells to deep High Temperature/High Pressure Sour Gas wells. Operational supervision of conventional, slant-hole and coiled tubing drilling rigs utilizing both over balanced and under balanced drilling fluids technology. CEO, for start-up companies, responsible for all aspects of administration and operations.