Downhole Remediation Practices for Mature Oil & Gas Wells

Table of Contents:

BTS Training & Consultancy

1st floor, Incubator Building, Masdar City, Abu Dhabi, UAE

00971-2-6452630

00971-50-6652671

info@btsconsultant.com

www.btsconsultant.com

Introduction:

Downhole Remediation for Mature Oil and Gas Wells is presented from a practical point of view. Discussions include decision processes for selection, design, and application of methods that are supported by field experiences and research results. Principal focus is production-related near wellbore damage and remedial water control practices.

Objectives:

By the end of this BTS training course, participants will be able to:

- Diagnose and develop removal and prevention techniques for wellbore damage due to scale, paraffin, asphaltenes, corrosion, and erosion
- Understand sources, causes, and effects of water production
- Design remediation applications (both mechanical and chemical) for reducing excess water production
- Design sand control applications and understand how to fix damaged screens and gravel packs
- Understand how and when to apply remedial cementing practices and what tools and job considerations are critical
- Apply these techniques to a specific well problem that you bring into the classroom from your current field assignment

Who should attend?

Asset Managers, Drilling and Completion Engineers, Petroleum Engineers and Geologists, Independent Producers, Production Managers and Engineers, Reservoir Managers and Engineers, Field Supervisors, Company Executives and Officials, Field Personnel with operating and service companies

Course Outline:

- Production-related near wellbore damage
- Scale
- Paraffin
- Asphaltenes
- Corrosion
- Erosion
- Well diagnostics
- Removal techniques
- Prevention techniques
- Wellbore stabilization
- Understanding unwanted water production
- Extent of the problem
- Causes and effects of water production
- Monitoring and evaluation techniques
- Diagnostics

- Defining required attributes and placement controls
- Fitting solutions to problems
- Remedial water control
- Challenges and solutions
- Environmental considerations
- In-wellbore control
- Near-wellbore techniques
- Matrix applications

- Fractures and voids
- Water control
- Bringing it all together
- Engineered process
- Initial screening
- Reservoir characterization
- Simulation
- Case studies