

# ***Stuck Pipe Prevention 1/2***

## **Well Construction**

**Reference : SPP-E**

## **Who should attend**

Drillers, Tool Pushers,  
Drilling Supervisors, Well  
Engineers, Drilling  
Engineers, Company  
Representatives and Fishing  
Engineers.

## **Instructors**

*Mohamed Ridha ROUATBI*

## **Duration**

*3 days*

## **Location**

*Monastir*

## **Language**

*English*

## **Fees / trainee (Excluding VAT )**

*1 000 DT*



## **Course Content**

### **A- Sticking Mechanisms**

- 1- Packing-off first actions
- 2- Unconsolidated Formations
- 3- Mobile Formations
- 4- Fractured Formations
- 5- Naturally Over-Pressured Shale Collapse
- 6- Induced Over-Pressured Shale Collapse
- 7- Reactive Formations.
- 8- Hole Cleaning
- 9- Tectonically stressed formations
- 10- Differential Sticking
- 11- Borehole Geometry and Key Seating
- 12- Ledges and Doglegs
- 13- Junk In Hole
- 14- Collapsed Casing
- 15- Cement Blocks/Green Cement

### **B- Technical Issues**

- 1- Hole Cleaning/Cutting Transport
- 2- Rheology
- 3- ROP
- 4- Hydraulics
- 5- Flow Regime
- 6- Low Vis/Hi Vis Pills

### **C- Best Practices and Prevention of Stuck Pipe during Routine Operations**

- 1- Reaming and Back Reaming
- 2- Wiper Trips in Deviated Holes
- 3- Connections Guidelines
- 4- Drilling and Parameter Trends
- 5- Logging
- 6- Coring
- 7- Foam Drilling
- 8- Drilling with Coiled Tubing

**Mohamed Ridha  
ROUATBI**

Graduated Drilling and Production Engineer from the French Petroleum Institute (IFP), more than 40 years experience in Drilling and Production Technology.

# ***Stuck Pipe Prevention 2/2***

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### **E- Different Techniques to release the string**

- 1- Pipe Release Agents (PRA)
- 2- PRA Procedure
- 3- Acid
- 4- Diesel pills
- 5- Stretch Test Procedure
- 6- Back-Offs

### **F- Jars and Accelerators**

- 1- Mechanical Jars
- 2- Hydro mechanical Jars
- 3- Accelerators
- 4- Jars Positioning

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