PETROSYNC
Synchronize Your Skill and Knowledge

PetroSync Global Pte Ltd | PetroSync | PetroSync

# Stuck Pipe Prevention

Improve the Knowledge & Skill of Stuck Pipe Prevention by Learning Practical Things from the Expert!

Course Level : Intermediate

**05th - 07th October 2026 at Kuala Lumpur, Malaysia**

A lot of Practical Things, Case Studies and Exercises !

## Petrosync Distinguished Instructor
## Steve Nas

**Well Engineering Consultant and Instructor**

- Technical advisor for MPD-HPHT Hazop and DWOP for drilling operations & deepwater wells
- Technical advisor and subject matter expert for aerated geothermal drilling operations
- Independent reviewer of well abandonment campaigns and programs in various countries around the world

## Who Should Attend?

This course is intended for the disciplines listed below, as well as anyone with a specific interest in the topic:

- Wellsite Drilling staff
- Wellsite Service Provider staff such as directional drillers and MWD staff
- Drilling and Completion Engineers
- Drilling Contractor supervisory personnel
- Other relevant technical and operational staf

## Course Method

The course method will be a combination of the following;

- Lectures (presentation)
- Discussions and exercises
- Real/field case and Demonstration

Broken down as follows;

- 60% Lectures
- 10% Discussions and exercises
- 30% Case Studies & Practical Exercises

No computers or software are required by the participants for this course.

The course instructor may modify this program before or during the course for technical reasons with no prior notice to participants; nevertheless, the course objectives will always be met be met.

Supported by ONFERENCE locate.com WorldOils OilVoice EnergyChinaForum.com

# Stuck Pipe Prevention

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## Course Overview

This course provides drill crews, supervisors and service personnel practical techniques for eliminating or significantly reducing stuck pipe incidents as well as steps to minimize a stuck pipe event and get free quickly. Where possible the course uses the organization's data, and the course can be customized to specific situations encountered. Past stuck pipe incidents can be analyzed to determine, what was done correctly and where techniques could be improved.

Lack of communication and awareness among rig crews are key factors in stuck pipe incidents. Stuck Pipe Prevention training emphasizes good communication, "team thinking" and quick action in the problem-solving process of preventing and freeing stuck pipe

## Course Objectives

The objectives for the course are;

- Learn the preventative actions to avoid stuck pipe Incidents.
- Know the first actions for freeing pipe
- Learn the parameters which affects Hole Cleaning
- Have a better understanding of Wellbore stability
- Have a better understanding of how a drilling jars works
- Review back-off operation and main Fishing tools
- Review main considerations when setting a cementing plug
- Exchange your experience with colleagues regarding Stuck Pipe
- Minimize the occurrence/frequency and cost impact of Stuck Pipe Incidents

## PROGRAM SCHEDULE

| | |
|---|---|
| 08:00 | Registration (Day1) |
| 08:10 – 10:00 | Session I |
| 10:00 – 10:15 | 1st Tea Break |
| 10:15 – 12:30 | Session II |
| 12:30 – 13:30 | Lunch Break |
| 13:30 – 15:00 | Session III |
| 15:00 – 15:15 | 2nd Tea Break |
| 15:15 – 16:00 | Session IV |
| 16:00 | End of Day |

**Schedule may vary for each training*

## IN-HOUSE SOLUTIONS

### SAVE COST • IMPROVE PERFORMANCE • REDUCE RISK

PetroSync understands that in current economic climate, getting an excellent return on your training investment is critical for all our clients. This excellent training can be conducted exclusively for your organization. The training can be tailored to meet your specific needs at your preferred location and time. We will meet you anywhere around the globe.

If you like to know more about this excellent program, please contact us on +65 3159 0800 or email general@petrosync.com

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## Course Agenda

The course starts with defining the term stuck pipe. It provides the participants with the three major mechanisms and the three minor mechanisms of stuck pipe. The participants are then presented with the issues related to hole stability, wellbore geometry, hole cleaning and wellbore pressure management to understand the major causes of stuck pipe.

In day three we look at the wellsite management issues, the roles and responsibilities and how to recognize and interpret the signs of stuck pipe. First responses are presented together with the placement of the jars. The last day of the course addressed free point determination, fishing tools and challenges and the course is wrapped up with information on sidetracking of the well.

### Day 1

- Welcome and Introductions
- References
- Definition of stuck pipe
- Stuck pipe statistics
- Major Stuck pipe mechanisms
  - Geological Causes
  - Pathway Causes
  - Mechanical Causes
- Prevention and Monitoring
  - Stuck pipe warning signs
  - Solids and Hole cleaning
  - Torque and Drag
  - Wellbore stability
- Stuck pipe steel mechanics

**Day 1: Exercises/Case Studies**

### Day 2

- Drilling parameters
- Tension and torque limitation
- Recommended practices
- Well Engineering analysis
- Rig Sizing
- Connection practices
- Tripping and Back reaming
- Differential Sticking
- Jar Placement

**Day 2: Exercises/Case Studies**

### Day 3

- Roles and Responsibilities
- First Responses
- Free point and Back-off
- Fishing Tools
- Fishing Techniques and Economics
- Cement Plugs and Sidetracking

**Day 3: Exercises/Case Studies**


### WHY YOU SHOULD ATTEND PETROSYNC'S EVENTS

- To ensure that all objectives of the course matches yours, all PetroSync programs are developed after intensive and extensive research within the industry
- PetroSync programs focus on your immediate working issues to ensure that you are able to apply and deliver immediate results in real work situations
- Application and implementation of industry knowledge and experience are the drivers for our course design, not theoretical academic lectures
- PetroSync training focuses on practical interactive learning tools and techniques including case studies, group discussions, scenarios, simulations, practical exercises and knowledge assessments during the course. Invest a small amount of your time to prepare before attending the course to ensure maximum learning
- PetroSync follows a rigorous selection process to ensure that all expert trainers have first-hand, up-to-date and practical knowledge and are leaders of their respective industrial discipline

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## Instructor Profile

## Petrosync Distinguished Instructor

## Steve Nas

**Well Engineering Consultant and Instructor**

- Technical advisor for MPD-HPHT Hazop and DWOP for drilling operations & deepwater wells
- Technical advisor and subject matter expert for aerated geothermal drilling operations
- Independent reviewer of well abandonment campaigns and programs in various countries around the world

Experienced well engineer and well engineering instructor with an MSc in Drilling Engineering and over 40 years of drilling and well engineering experience. Skilled in many facets of advanced well engineering such as Deepwater Managed Pressure Drilling, High Pressure – High Temperature, Geothermal, Well Integrity, Well Control and Well Abandonment operations. Experience working for operators, drilling contractors and service providers delivering a wide range of engineering solutions for complex wells.

Developed and presented numerous training courses related to well design, managed pressure drilling, high pressure high temperature operations, casing design, advanced well control, well control emergency response planning and well abandonment.

Skilled in thermal and multiphase hydraulic modelling for geothermal and underbalanced drilling and blowout kill calculations. Experienced in engineering solutions for well abandonment, relief well planning and coiled tubing drilling. Coauthored several SPE books and numerous SPE papers and Member of SPE, ICOTA, IADC, IWCF, Energy Institute.

## Sample Major Project List

- Delivered numerous courses in HPHT operations for offshore and onshore wells.
- Wellspec, Singapore - Technical advisor for MPD-HPHT drilling operations. Providing HPHT / MPD rig requirements, procedures and providing both office based and rig based guidance during drilling operations.
- Wellspec, Singapore - Completed onsite inspections and reviews of multiple deepwater HPHT/MPD systems including all the associated HPHT and MPD procedures, personnel competency, and drawings on drilling contractor owned and operated MPD equipment.
- Myanmar - MPD subject matter expert for deepwater, HPHT MPD operations where MPD equipment was installed a semisubmersible rig using a below tension ring system for multiple HPHT exploration wells in water depths as deep as 2400m.
- Philippines - HPHT and MPD advisor for multiple HAZOP and DWOP workshops for deepwater Wells.
- Schlumberger, Malaysia - Completed hydraulics, well control and temperature modelling on numerous HPHT well programs.
- Weatherford - Conducted the first pressurized mud cap drilling (PMCD) operations from floating rigs in SE Asia back in 2004. From there successfully implemented the first ultra deepwater MPD systems and contributed significantly to the successful application of MPD technology for HPHT and depleted reservoir wells.
- Australia - Conducted advanced thermal modelling for deepwater HPHT operations

HYBRID TRAINING SOLUTIONS

FOCUS TRAINING • REDUCE COST • ENHANCED RESULTS

Over the years, there has been a growing demand for hybrid training programs. It is an excellant option to maximize your training dollar for your specific training needs. We make it possible to run a training program that is customized totally to your training needs at a fraction of an in-house budget!

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## Instructor Profile - Continue

### Partial Client List

- Petronas
- Pertamina
- Petrofac
- CNOOC
- Saudi Aramco
- Neptune Energy
- Santos
- Medco Energy
- Woodside
- Woodside
- Petrovietnam
- Kepco
- ENI
- Total Indonesia
- Hess Malaysia
- DTEK
- COS
- Many more.

### Publications

- 2013, Joy Oyovwevotu, SPE, Senergy Ltd; Eric Low, SPE, Bowleven; Steve Nas, SPE, Schlumberger, "Improving Drilling Operations Efficiency on an Ultra-Narrow Margin HPHT MPD Well with use of a Mud Cap." SPE paper 167985 prepared for presentation at the 2014 IADC/SPE Drilling conference in Fort Worth, Texas.
- 2012, Noor Azree B Nordin, Lawrence Umar, Intan Azian Bt A Aziz, Petronas Carigali, Steve Nas, Wing Keat Woo, SPT Group, "Dynamic Modeling of Wellbore Pressures Allows Successful Drilling of a Narrow Margin HPHT Exploration Well in Malaysia.", SPE paper 155580, presented at the 2012 IADC/SPE DrillingTechnology Conference and Exhibition in Tianjin, China.
- 2011, Ardia Karnugroho, Steve Nas, Julmar Shaun S. Toralde / Weatherford, Tutuko Prajogo Ph. D. /Swiss German University, "Mechatronics Technology in Drilling Operations Used to Enhance Safety", SPE paper 143838 presented at the SPE Digital Energy Conference and Exhibition, 19-21 April 2011, The Woodlands, Texas, USA.
- 2011, Steve Nas., "Kick Detection and Well Control in a Closed Wellbore". SPE paper 143099, presented at the 2011 Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition in Denver Colorado.

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## INVESTMENT PACKAGES

*Please checklist the package that you are attending!*

| | Stuck Pipe Prevention SCHEDULE | LOCATION | PRICE |
|---|---|---|---|
| ☐ | 05th - 07th October 2026 | Kuala Lumpur, Malaysia | USD 3,295 |

** All prices are subject to change without notice and are not guaranteed, except that prices for an order that have been accepted by PetroSync is not subject to change after acceptance*

** Price is nett excluding Withholding Tax if any and will be quoted separately. Please send us the withholding tax payment receipt.*

## DELEGATE DETAILS

**1st Delegate Name** _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

**2nd Delegate Name** _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

**3rd Delegate Name** _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

**4th Delegate Name** _____ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Others ☐

Direct Line Number: _____ Email: _____

Mobile Number: _____ Job Title: _____

Department: _____ Head of Department: _____

**Please fill all the details including mobile number. This help us to contact participant if they are late in class or if there is any urgent update (through whatsapp/call)*

## INVOICE DETAILS

Attention Invoice to: _____

Direct Line Number: _____ Fax: _____

Company: _____ Industry : _____

Address: _____ Postcode: _____

Country: _____ Email: _____

Please note:
- Indicate if you have already registered by Phone ☐ Fax ☐ Email ☐ Web ☐
- If you have not received an acknowledgement before the training, please call us to confirm your booking.

## PAYMENT METHODS

☐ **By Credit Card**

☐ **By Direct Transfer : Please quote invoice number(s) on remittance advice**

PetroSync Global Pte Ltd Bank details:
Account Name : PetroSync Global Pte Ltd
Bank Name : DBS Bank Ltd
Bank Code : 7171 • Bank Swift Code : DBSSSGSGXXX • Branch code : 288
Account No : 0288-002682-01-6-022 (USD)
Bank Address : 12 Marina Boulevard, Level 3. Marina Bay Financial Centre Tower 3. Singapore 018982

*All bank charges to be borne by payer. Please ensure that PetroSync Global Pte Ltd receives the full invoiced amount.*

## PROGRAMME CONSULTANT

Contact : Cay Aagen
Email : registration@petrosync.com
Phone : +65 3159 0800

## TERMS AND CONDITIONS

### DISCLAIMER

Please note that trainers and topics were confirmed at the time of publishing; however, PetroSync may necessitate substitutions, alterations or cancellations of the trainers or topics or location (classroom / Virtual). As such, PetroSync reserves the right to change or cancel any part of its published programme due to unforeseen circumstances. Any substitutions or alterations will be updated on our web page as soon as possible.

### DATA PROTECTION

The information you provide will be safeguarded by PetroSync that may be used to keep you informed of relevant products and services. As an international group we may transfer your data on a global basis for the purpose indicated above. If you do not want us to share your information with other reputable companies, please tick this box ☐

### CANCELLATION POLICY

Delegates who cancel after the training is officially confirmed run by email, are liable to pay the full course fee and no refunds will be granted. You may substitute delegates at any time as long as reasonable advance notice is given to Petrosync.

In the event that PetroSync cancels or postpones or change the trainer or change the training location (classroom / virtual) of an event for any reason and that the delegate is unable or unwilling to attend in on the rescheduled date, you will receive a credit voucher for 100% of the contract fee paid. You may use this credit voucher for another PetroSync to be mutually agreed with PetroSync, which must occur within a year from the date of postponement.

PetroSync is not responsible for any loss or damage as a result of the cancellation policy. PetroSync will assume no liability whatsoever in the event this event is cancelled, rescheduled or postponed due to any Act of God, fire, act of government or state, war, civil commotion, insurrection, embargo, industrial action, or any other reason beyond management control.

### CERTIFICATE OF ATTENDANCE

80% attendance is required for PetroSync's Certificate of Attendance.

## DETAILS

Please accept our apologies for mail or email that is incorrectly addressed.
Please email us at registration@petrosync.com and inform us of any incorrect details. We will amend them accordingly.

**Find us on Social Media:**

**PetroSync Global Pte Ltd**
**PetroSync**
**PetroSync**

## CHARGES & FEE(s)

- For Payment by Direct TelegraphicTransfer, client has to bear both local and oversea bank charges.

- For credit card payment, there is additional 4% credit card processsing fee.

## Confirmation

*I agree to PetroSync's payment terms and cancellation policy.*

Signature : _____

Date : _____

PAYMENT TERMS : Payment is due in full at the time of registration. Full payment is mandatory for event attendance.