

## Stuck Pipe Prevention

**Duration:** 2 Day **Maximum Number of Attendees:** 18

**Designed for:** All operational and engineering personnel involved in drilling / workover operations; OIMs, Drilling Superintendents, Drilling Engineers, Drilling Supervisors, Toolpushers, Drillers and Assistant Drillers.

**Course Overview:** Oil and gas companies spend around \$20billion annually on drilling and 15% of this is attributed to Non Productive Time (NPT). Stuck pipe accounts for the majority of NPT. Welltrain specialises in conducting Stuck Pipe Prevention (SPP) for the drilling team. The SPP course:

- Provides in-depth knowledge of all common sticking mechanisms and associated root causes.
- Increases operational awareness of warning signs.
- Provides knowledge of First Actions and how to formulate contingency plans.
- Provides knowledge of jars and accelerators and some of the basic calculations required to use them effectively.
- Simulates typically drilling conditions on a simulator and allows participants to “get a fee” for the warning signs, how to get a stuck string free (with and without jars) and experiment with different solutions in order to gauge their effectiveness.

**Course Content:** The following topics are addressed:

- Wellbore stability and hole cleaning
- Other mechanisms – mechanical and geometric
- Differential sticking
- Sticking and freeing forces – calculations
- Freeing methods - calculations
- Introduction to jars and accelerators
- Practical exercises – drilling the well on DWOS simulator

**Course Inclusions:**

- Light lunch, tea/coffee and snacks each day.
- Provision of detailed technical manual and rigsite stuck pipe freeing worksheets (print copy) during course.
- Welltrain certificates of attendance (documenting training topics) for each participant.

**Course Fees:** \$AU 2,500 (inc GST) – per attendee for scheduled courses  
Group pricing for team workshops available upon request – course customisation available for team bookings.

For details of the next scheduled course, refer to our Course Schedule available at [www.welltrain.com.au](http://www.welltrain.com.au). Or to discuss your Stuck Pipe Prevention workshop, email us at [bookings@welltrain.com.au](mailto:bookings@welltrain.com.au) or call us on +61 8 6216 5680.