



▲ Who should attend?

Drilling supervisors, toolpushers, drillers and engineers, who are going to pass the IWCF certification and wishing to follow the 'Blowout prevention and well control' course with the best preparation.

▲ Duration

16 hours over 4 weeks

▲ Dates & Location

At a distance
May 26 to June 20, 2008
November 17, December 12, 2008

▲ Tuition Fees

€ 2,500

▲ Course Coordinator
Gérald GACHET

▲ Blended learning
Coordinator
Johanna SAOUDI

Ref. **WEL / BLPREPEE**

BLOWOUT PREVENTION (In Blended Learning)

OBJECTIVES

To enable participants to have a better knowledge of pressures' behaviour in a well.

Upon completion of this training course, participants will be able to:

- understand the evolution of pressures in a well,
- analyze detection signs of abnormal pressures,
- determine reference pressures (Pfrac, Padm),
- apply standardized procedures for well kicks closure,
- calculate all data relative to well kicks prevention,
- analyze pressures evolution during this control.

COURSE CONTENT

APPLIED MATHEMATICAL (OPTIONAL) 2h00

Notation and symbols
Operations properties
First degree equations

FLUID PHYSICS 3h00

Fluid static, loss of charge, gas law
Hydrodynamics
Pressure analysis, kick control procedure

PRESSURES - FRACTURATION 2h00

Pore pressure - definition and anomaly reasons
Fracturing pressure, LOT, Padm, work resistance

REASONS FOR AND INDICATIONS OF WELL KICKS 1h00

Basics, procedures in case of indication of well kicks
Event before, while and after shut in procedure
Kick out during steerage

CONTROL PROCEDURE 3h00

Basics on Driller's and "Wait and Weight" methods, purge, volumetric method
Kick circulation moving off, incident during control
Evolution of pressure, shut in pressure observation
Specificity of control with undersea BOP

CONCLUSIONS 3h00

*At the beginning of the course, 2 hours are dedicated to the introduction of the training (objectives, program, tools, etc.) and the evaluation of each participant's needs.
After this course, you should follow the "Blowout prevention & well control" course (see unit E- 471).*