

**DRILLING, WELLS AND RESERVOIR ENGINEERING**

Drilling Well Control and Kick Management

5 day course

Classroom, online or in-house

Course overview

A kick taken during a trip gives the crew a few minutes in which a correct shut in and an accurate pit gain reading make the difference between a routine kill and a blowout. Delegates study how kicks originate, from swabbing, insufficient mud weight, lost returns and gas cut mud, and how to detect them through flow checks, trip sheets and pit monitoring. Hard and soft shut in methods, reading stabilised pressures and calculating kill mud weight and the pump schedule come next. The Driller's Method and the Wait and Weight Method are worked step by step on kill sheets, together with gas migration, volumetric control and stripping. BOP stack arrangements, accumulator sizing and pressure testing complete the course. Delegates leave able to detect, shut in and plan the kill of a kick taken while drilling or tripping.

What you will learn

- Explain how swabbing, losses and underbalance lead to a kick
- Identify primary and secondary kick indicators while drilling and tripping
- Apply hard and soft shut in procedures
- Calculate kill mud weight and initial and final circulating pressures
- Complete a kill sheet for the Driller's Method and the Wait and Weight Method
- Manage gas migration using volumetric control and stripping
- Describe BOP stack, choke manifold and accumulator functions
- Plan BOP pressure and function testing

Who should attend

- Drillers and assistant drillers
- Toolpushers and rig managers
- Drilling supervisors and wellsite engineers
- Drilling engineers preparing well control plans
- Mud loggers responsible for kick detection

Course outline

- 01 Pressure fundamentals and causes of kicks
- 02 Kick detection while drilling and tripping
- 03 Shut in procedures and stabilised pressures
- 04 Kill sheet calculations
- 05 The Driller's Method
- 06 The Wait and Weight Method
- 07 Gas behaviour, migration and volumetric control
- 08 Stripping and well control complications
- 09 BOP equipment, accumulators and testing

Upcoming dates



Dates	Venue	Format	Fee per delegate
19 to 23 October 2026	Durban, South Africa	Classroom	R19,950
2 to 6 November 2026	Kampala, Uganda	Classroom	USD 1,325
21 to 25 December 2026	Online	Online	R8,500
15 to 19 February 2027	Cape Town, South Africa	Classroom	R19,950

Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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