

**DRILLING, WELLS AND RESERVOIR ENGINEERING**

Well Integrity Management

5 day course

Classroom, online or in-house

Course overview

An operator with a large stock of active and idle wells rarely knows which of them have lost a barrier until gas appears in a cellar or annulus pressure climbs on a monitoring sheet. Well integrity management turns that uncertainty into a system. Delegates work through barrier philosophy across the life cycle, drawing on the concepts of ISO 16530 and NORSOK D010, then annulus pressure management: identifying sustained casing pressure, setting maximum allowable annulus surface pressure and diagnosing the source. Integrity testing, safety valve and tree maintenance, corrosion and erosion monitoring and logging for tubing and casing condition follow. Risk ranking, well categorisation by barrier status and the integrity register are built in exercises. Delegates leave able to set up and run an integrity programme across a producing asset.

What you will learn

- Explain barrier philosophy across the well life cycle
- Define well barrier elements and acceptance criteria for each
- Calculate maximum allowable annulus surface pressure
- Diagnose the source of sustained casing pressure
- Plan integrity testing for valves, trees and annuli
- Interpret corrosion logs and calipers for tubular condition
- Rank wells by integrity risk and assign operating categories
- Establish an integrity register and reporting process

Who should attend

- Well integrity engineers and coordinators
- Production and petroleum engineers
- Asset managers responsible for well stock
- Regulatory engineers overseeing operators
- Wellhead and intervention supervisors

Course outline

- 01 Integrity management principles and standards
- 02 Barrier philosophy through the life cycle
- 03 Barrier elements and acceptance criteria
- 04 Annulus pressure management and MAASP
- 05 Diagnosing sustained casing pressure
- 06 Testing and maintenance of valves and trees
- 07 Tubular corrosion monitoring and logging
- 08 Risk ranking and well categorisation
- 09 Integrity registers and reporting

Upcoming dates



Dates	Venue	Format	Fee per delegate
4 to 8 January 2027	Nairobi, Kenya	Classroom	USD 1,325
11 to 15 January 2027	Johannesburg, South Africa	Classroom	R19,950
8 to 12 March 2027	Online	Online	R8,500
15 to 19 March 2027	Addis Ababa, Ethiopia	Classroom	USD 1,325

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@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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