

Tubing Stress Analysis

Designed for:

The course is designed for completion engineers, well service personnel, equipment vendors and drilling engineers.

Duration (days)

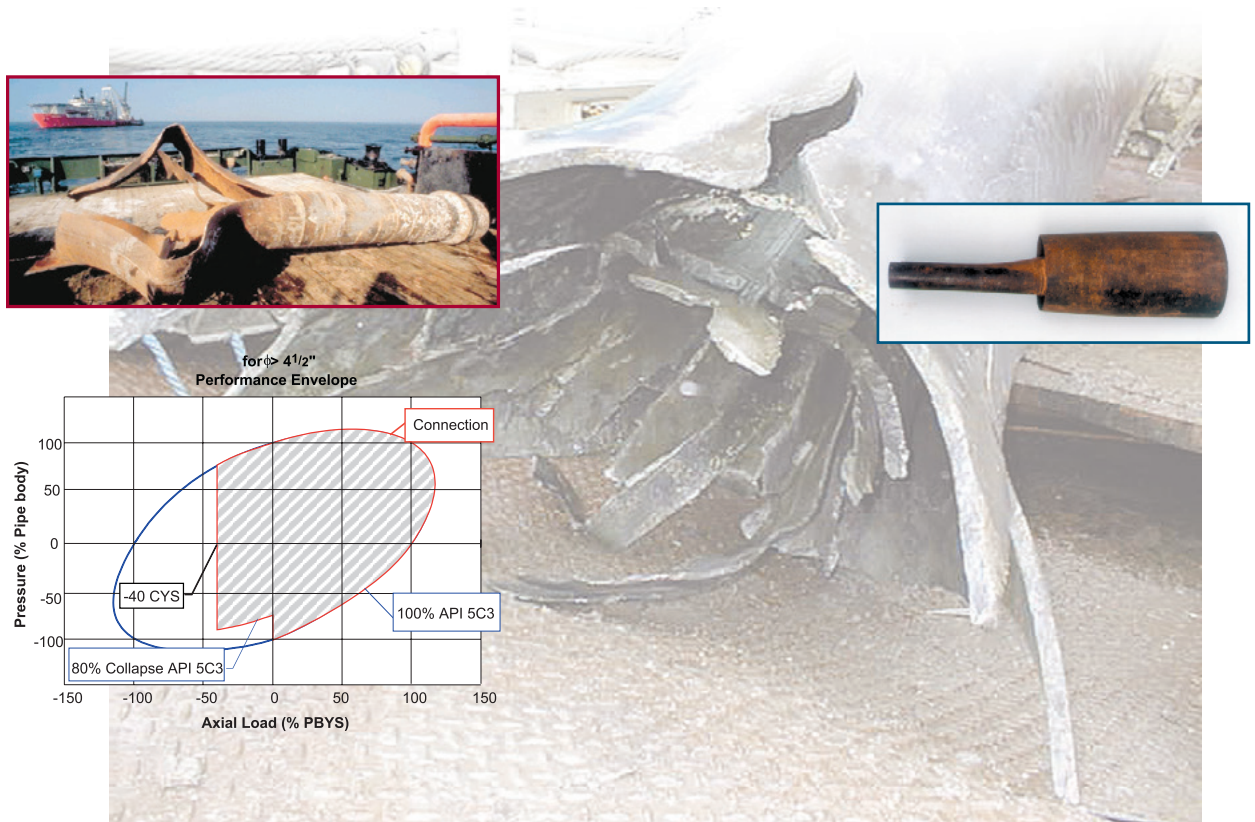


Learning Level:

Skills	■ ■ ■
Knowledge	■ ■ ■
Awareness	■ ■ ■

The five-day course will enable participants to fully understand how to use WELLCAT (Tube and Prod) for day to day tubing stress analysis on a variety of different completion configurations. The use of Prod for pressure and temperature prediction. How to check WELLCAT input and results against hand calculations. Improving completion designs with respect to reducing stresses.

We offer a variety of tailored stress analysis courses ranging from awareness to fully skilled in WELLCAT. We are not linked into the sale or promotion of any software and offer unbiased opinion.



Tubing Stress Analysis continued

Course Content:

The course can be tailored for specific areas, but will cover any or all of the following:

- Principles of stress and strain within metals
- Burst, collapse, axial and triaxial loads
- Impact of different materials
- Load generation for tubing and casing
- Definition of full set of load cases
- Heat transfer and trapped annuli effects
- The use, abuse and checking of computer programs
- The use of Wellcat software
- Worked examples (hand and computer)
- The impact and calculation of loads on connections, packers, hangers and other components

Course Duration:

Duration is 1 - 5 days

Courses available from this series:

Drilling Awareness
Introduction to Drilling
Well Productivity Awareness School (WASP)
Completion Design
Completion Practices
Well Management
Tubing Stress Analysis
Artificial Lift
HPHT Drilling
Integrated Well Planning & Drilling Operations
Operations Geology
Maximising Well Productivity in a Low Oil Price World
Stuck Pipe Prevention
Well Integrity Management

Course Tutors



Jonathan Bellarby BSc (Hons), MSc
Main Series tutoring: Wells, Early Development
Industry experience: over 25 years, well technology
Career background: BP, ICE, AGR and TRACS
Personal: Author, 'Well Completion Design'



Howard Crumpton
Main Series tutoring: Wells
Industry experience: over 30 years, interventions and completions
Career background: Otis, Camco, Thistle Well Services, Wellserv, BP, AGR and TRACS
Personal: Extensive experience with operators (BP) and vendor companies. Author of Well Control for Completions and Interventions



Angelique Robb BSc
Main Series tutoring: Wells
Industry experience: over 16 years, petroleum engineering
Career background: BP, Shell, Britannia, Marathon Oil, Chevron, Oilexco, Leap Energy and AGR
Personal: Black belt in Business Improvement