

Course description

TFL16

Production automation

Course goal

The course goal is to teach students how to set up, maintain, and use the automation features of the XSeries equipment to improve well production.

Learning objectives

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

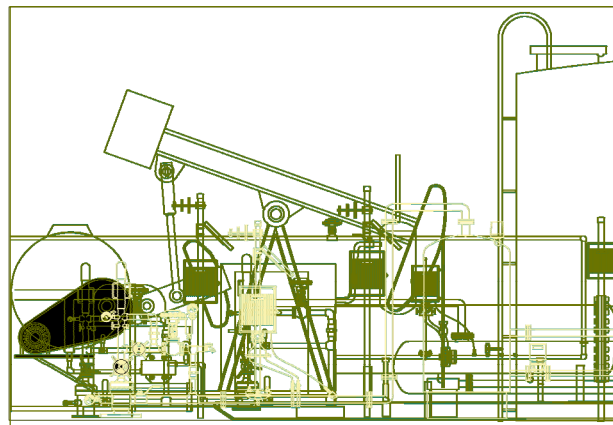
- Understand possible causes for reduced gas production.
- Develop, maintain, and control methods to increase gas production and increase revenues.
- Understand the operation of plunger lift.
- Use gas lift application and chemical injection.
- Understand how the implementation of the WellTell wireless communication products to receive remote I/O signals can support other Totalflow products.
- Understand how the implementation of LevelMaster digital technology is used to manage liquid tank levels.
- Understand how the EZ Blocks Builder software can aid in developing customer specific applications.

Participant profile

A typical student for this course is responsible for set up, operation, and maintenance of production automation equipment and control software.

Duration

The duration is 2 days—8:30 a.m. to 4:30 p.m. each day.



Prerequisites

Students attending this course should have completed the Advanced XSeries FCU & RTU class or have equivalent experience, have knowledge of gas measurement, and proficient computer skills.

Course type and methods

This is an instructor-led course with interactive classroom discussions, presentations, and associated lab exercises. At least 75% of this course is hands-on operation and lab activities. Classes are limited to eight (8) students.

Topics

- Liquid loading overview
- Plunger lift
- Gas lift
- Chemical injection
- Soap launch
- PAD controller overview
- Safety system overview
- WellTell Wireless overview
- LevelMaster overview
- EZ Blocks Builder overview

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