Mindluster Platform

About the course Hydrocarbon production optimization

Hydrocarbon production course, In this course explore the methods and processes involved in efficiently extracting and producing hydrocarbons in the energy industry.

Engineering Category's Courses

Course Lesson(29)

Lesson 1 : **Course introduction lifecycle of hydrocarbon field**

Lesson 2 : **Field production modes and production scheduling considerations**

Lesson 3 : **Field scheduling Snohvit example Part 1**

Lesson 4 : **Field scheduling Snohvit example Part 2**

Lesson 5 : **Field scheduling Snohvit example Part 3**

Lesson 6 : **Flow equilibrium calculations post plateau behavior**

Lesson 7 : **Plateau extension production potential**

Lesson 8 : **Petroleum production gathering networks**

Lesson 9 : **Production networks downhole networks class exercise**

Lesson 10 : **coupling tubing size considerations NPV calculations**

Lesson 11 : **additional comments on NPV calculations dry gas boosting**

Lesson 12 : **subsea dry gas compressor exercise cont**

Lesson 13 : **subsea dry gas compression cont uncertainty management**

Lesson 14 : **probabilistic reserve estimation class exercise**

Lesson 15 : **Probabilistic reserve estimation latin Hypercube sampling and decision trees**

Lesson 16 : **Probabilistic reserve estimation cont probability trees example with Jupyter notebook**

Lesson 17 : **Ofshore structures intro**

Lesson 18 : **Offshore structures cont**

Lesson 19 : **Marine loads and offshore structures for oil and gas production**

Lesson 20 : **Marine wave data analysis with FFT Python Jupyter**

Lesson 21 : **Flow assurance considerations in field development and planning**

Lesson 22 : **Hydrocarbon production optimization nr 1**

Lesson 23 : **Hydrocarbon production optimization nr 2**

Lesson 24 : **Hydrocarbon production optimization nr 3**

Lesson 25 : **Hydrocarbon production optimization nr 4**

Lesson 26 : **Hydrocarbon production optimization nr 5**

Lesson 27 : **Hydrocarbon production optimization nr 6**

Lesson 28 : **Electric submersible pumps introduction**

Lesson 29 : **Electric submersible pumps class exercise**

Related courses

Cabinetry Basics

MFT and MFT related accessories

hinges workshops

CNC Computer numerical control

Jointing Systems

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