Mindluster Platform

About the course field production performance

field production performance course, In this course explore techniques to optimize production, enhance reservoir management, and improve field performance in the oil and gas industry.

Engineering Category's Courses

Course Lesson(24)

Lesson 1 : **Introduction life cycle of a hydrocarbon field the field planning process**

Lesson 2 : **Field production scheduling introduction**

Lesson 3 : **Field performance analytical development plateau and post plateau periods**

Lesson 4 : **Recap analytical derivation of field production performance**

Lesson 5 : **Flow equilibrium in estimation of field production profile**

Lesson 6 : **Predicting production profiles with simulators cash flow calculations**

Lesson 7 : **Cash flow calculations in petroleum projects sensitivity analysis**

Lesson 8 : **Exercise Plateau height and length Intro to Networks**

Lesson 9 : **Oil and gas production networks introduction to pumping**

Lesson 10 : **Class exercise Production profile of two dry gas reservoirs with network**

Lesson 11 : **Cont class exercise production profile two dry gas reservoirs**

Lesson 12 : **Verification of ESP requirements during field planning oil water Emulsions**

Lesson 13 : **dry gas compression considerations in field production scheduling**

Lesson 14 : **Uncertainty quantification Probabilistic reserve estimation**

Lesson 15 : **Effect of number of wells and plateau rate on NPV Discussion on home exercise**

Lesson 16 : **Introduction to offshore structures for oil and gas production**

Lesson 17 : **Offshore structures for oil and gas production layout of offshore production systems**

Lesson 18 : **Offshore structures for oil and gas production wave statistics**

Lesson 19 : **Flow assurance considerations in Field development**

Lesson 20 : **pressure and temperature calculations along wet gas pipeline Hysys**

Lesson 21 : **Subsea distribution system P and T calculation along wet gas pipeline with Hysys**

Lesson 22 : **flow performance of conduits with multiphase flow Discussion of exercises**

Lesson 23 : **Exercise production scheduling of two templates producing gas and compressor**

Lesson 24 : **subsea gas field with subsea compressor cont p T calculations in tubing exer**

Related courses

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