

WELL PERFORMANCE

E-042

OBJECTIVES

To provide a synthesis of Petroleum Engineering tasks, with special focus on Well Performance methodology and tools.

COURSE CONTENT

WELL SYSTEM BEHAVIOUR

1 day

Basic summary of the skin concept and its numerical meaning for evaluation of Formation Damage

Description and study of the following concepts:

- inflow performance
- vertical flow
- productivity index

INFLOW AND VERTICAL FLOW RELATIONSHIP

1 day

Introduction to PROSPER software

Inflow & Vertical Flow Relationships (IPR/VLP)

Nodal Analysis – Well Performance Analysis – PROSPER software

Applications / Exercises

ARTIFICIAL LIFT - GAS LIFT

1 day

Introduction to Artificial lift systems

Gas Lift Fundamentals, Design and Performance Analysis

PROSPER applications / Exercises

WELL PERFORMANCE MODELING

1.5 days

PROSPER applications / Exercise Well test Analysis / Matching

Sensivities analysis (tubing size, water cut, ageing reservoir pressure, GOR, gas lift injection rate, skin factor, etc...)

Introduction to integrated production System Modeling

FINAL CONCLUSIONS

0.5 day

Individual evaluation test through a multi-disciplinary quiz

General conclusions of the course

Presentation of the objectives for the internship programme

▲ Who should attend?

- Technical staff involved in the operation of wells produced by natural flow or artificial lift (Production engineers and supervisors),
- Reservoir engineers involved in field studies involving productivity and artificial lift aspects,
- Development engineers involved in conceptual design involving well architecture and artificial lift.

▲ Duration

5 days

▲ Sessions in English

May be organised for a single company

Fees: € 2,180

Rueil-Malmaison (Paris)

Contact:

epgen@ifptraining.com

Fax: (+33) 1 47 52 74 27

▲ Course Coordinator

Alex CHWETZOFF

Ref. **GEN / WELLPERF**