

ARTIFICIAL LIFT

OBJECTIVES

To provide a technical overview on main artificial lift methods.

On completion of the course, participants:

- know the different artificial lift methods and their corresponding fields of application,
- are aware of the corresponding operating problems.

COURSE CONTENT

WELL PRODUCTIVITY - NEED FOR ARTIFICIAL LIFT 0.5 day

Overall approach of the well flow capacity: inflow and outflow performance

Need for artificial lift

Main artificial lift techniques

ARTIFICIAL LIFT BY CONTINUOUS GAS LIFT 1.5 days

Vertical pressure gradient in diphasic flow

Operating principle of continuous gas lift and overview about intermittent gas lift

Specific completion equipment

Factors to consider for design

Unloading

Operating procedure and troubleshooting

ARTIFICIAL LIFT BY SUCKER ROD PUMP 1 day

Operating principle

Specific completion equipment

Factors to consider for design

Operating procedure and troubleshooting

ARTIFICIAL LIFT BY ELECTRICAL SUBMERSIBLE CENTRIFUGAL PUMP (ESP) 1 day

Operating principle

Specific completion equipment

Factors to consider for design

Operating procedure and troubleshooting

COMPARISON OF THE DIFFERENT ARTIFICIAL LIFT METHODS 0.5 day

Overview of other pumping methods: hydraulic pumps, jet pump, progressive cavity pumps (PCP),...

Pros & cons of the different methods

Field of application for the main methods

E-456

▲ Who should attend?

Anyone from upstream looking for technical information on artificial lift.

▲ Duration

5 days

▲ Dates & Location

April 06-10, 2009
Pau (South-West)

French session: F-456

▲ Registration

Fees: € 1,920

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▲ Course Coordinator

Denis PERRIN

Ref. **PRO / TAE**

See also the courses "Artificial Lift: Gas Lift" and "Artificial Lift: Pumping", course number E-457 and E-458.