OGIM
Oil and Gas Institute of Monastir

ARTIFICIAL LIFT SYSTEMS

Production and Well Intervention

Reference : ALS - E

Who should attend

Petroleum and Production Engineers and operations staff responsible for designing lift installations and performing surveillance and optimization on wells using lift techniques.

Instructors

Hesham ABDELLATIF
Mahmoud ABDEL FATTAH

Duration

5 days

Venue

****

Language

English

Fees / trainee (Excluding VAT)

2000 DT

Course Content (1/3)

I. Fundamental of reservoir characterization

1. Different types of reservoir
2. Reservoir drive mechanism
   a. Depletion drive mechanism
   b. Gas cap drive mechanism
   c. Active water drive mechanism

II. Artificial lift systems

1. Introduction to artificial lift system
2. Sucker rod lift system (RRL)
   a. Types of beam pumping units
   b. Types of driven power to run beam pumping unit
      i. Electric motors
      ii. Gas engine
   c. Types of control panel
   d. Type/grade of sucker rods, pony rods, polish rods and accessories
   e. Types of down hole pumps
      i. Insert able
      ii. Tubular

Hesham ABDELLATIF

Petroleum engineer with 28 years of experience in subsurface production engineering, operations, field management, ALS technical support, ALS leader in both onshore and offshore fields.

Mahmoud ABDEL FATTAH

B. Sc. In Petroleum Engineering 2000. 13 years of experience as Application Engineer, Operation Supervisor, Field Engineer… Expert in oil industry related software such as Rod Star, Perform and GasLIFT.

OGIM
Oil and Gas Institute of Monastir

ARTIFICIAL LIFT SYSTEMS

Production and Well Intervention

Reference : ALS - E

Who should attend

Petroleum and Production Engineers and operations staff responsible for designing lift installations and performing surveillance and optimization on wells using lift techniques.

Instructors

Hesham ABDELLATIF
Mahmoud ABDEL FATTAH

Duration

5 days

Venue

****

Language

English

Fees / trainee (Excluding VAT)

2000 DT

Course Content (2/3)

f. Well analyzer
  i. Dynamometer
  ii. Acoustic fluid level
  iii. Pressure build up test
g. Trouble shooting

3. Progressive cavity system (PCP)
  a. Types of drive head
  b. Types of down hole pump
  c. Types of control panel
  d. Trouble shooting

4. Electric submersible system (ESP)
  a. Motors
  b. Seal
  c. Gas separator
  d. Pumps
  e. Electric cable
  f. Control panel
  g. Trouble shooting

5. Plunger lift system (PL)

Hesham ABDELLATIF

Petroleum engineer with 28 years of experience in subsurface production engineering, operations, field management, ALS technical support, ALS leader in both onshore and offshore fields.

Mahmoud ABDEL FATTAH

B. Sc. In Petroleum Engineering 2000. 13 years of experience as Application Engineer, Operation Supervisor, Field Engineer… Expert in oil industry related software such as Rod Star, Perform and GasLIFT.

OGIM
Oil and Gas Institute of Monastir

ARTIFICIAL LIFT SYSTEMS

Production and Well Intervention

Reference : ALS - E

Who should attend

Petroleum and Production Engineers and operations staff responsible for designing lift installations and performing surveillance and optimization on wells using lift techniques.

Instructors

Hesham ABDELLATIF
Mahmoud ABDEL FATTAH

Duration

5 days

Venue

****

Language

English

Fees / trainee (Excluding VAT)

2000 DT

Course Content (3/3)

6. Hydraulic lift system (H/L)
   a. Piston pump system
   b. Jet pump system
   c. Driven power
   d. Electric engine
   e. Diesel engine
   f. Trouble shooting

Hesham ABDELLATIF

Petroleum engineer with 28 years of experience in subsurface production engineering, operations, field management, ALS technical support, ALS leader in both onshore and offshore fields.

Mahmoud ABDEL FATTAH

B. Sc. In Petroleum Engineering 2000. 13 years of experience as Application Engineer, Operation Supervisor, Field Engineer… Expert in oil industry related software such as Rod Star, Perform and GasLIFT.