LDI TRAINING
"Leading Edge Courses for Professionals" ™

A Three Days LDI Training Course

Advance Enhance Oil Recovery Techniques

by
Rachmat Sudjana, ST

Introduction

This Training provides a comprehensive overview of advanced EOR techniques, including thermal, gas injection, chemical, and microbial methods.
The training will equip participants with the knowledge and skills necessary to understand and apply EOR techniques in various reservoir settings.

The Aims

The 3-day seminar allows for in-depth discussion and exploration of topics, with opportunities for case studies, panel discussions, and Q&A and has the following Learning Objectives:

- Optimize oil recovery and improve reservoir performance
- Increase oil production and reduce costs
- Stay competitive in the oil and gas industry
- Apply advanced EOR techniques in various reservoir settings

Course Contents

Day 1:

Advanced EOR Methods

- **Thermal EOR Techniques**:
  - Steam injection: steam flooding and cyclic steam stimulation
  - In-situ combustion: forward and reverse combustion

- **Gas Injection EOR Techniques:**
  - Miscible gas injection: CO2, natural gas, and nitrogen
  - Immiscible gas injection: mechanisms and applications

Day 2:

Chemical and Microbial EOR Methods

- **Chemical EOR Techniques:**
  - Polymer flooding: mechanisms and applications
  - Surfactant-polymer flooding: mechanisms and applications
  - Alkaline-surfactant-polymer flooding: mechanisms and applications

- **Microbial EOR Techniques:**
  - Mechanisms and applications of microbial EOR
  - Types of microorganisms used in MEOR

Day 3:

Emerging Trends and Case Studies

- **Emerging Trends in EOR:**
  - Digital technologies in EOR: data analytics and machine learning
  - Nanotechnology in EOR: applications and potential

- **Case Studies:**
  - Successful EOR projects: lessons learned and best practices
  - Challenges and opportunities in EOR implementation

Who Should Attend

The training is designed for professionals in the oil and gas industry, including:

- Reservoir Engineers,
- Production Engineers,
- Technical Staff involved in EOR Projects.

Your Course Leader

Rachmat Sudjana, ST

Education: - Industrial Engineering, University of Indonusa, - Mechanical Engineering, AKAMIGAS

Qualifications: - Professional Instructor for Oil and Gas Industry**,** - Technical Subject Matter Expert for Oil Company**,** - Lecturer and Mentor for Graduate Engineering Trainee**,** - Engineering Manager**,** - Senior Staff Pipeline/Facility Engineer**,** - Pipeline Material Selection Specialist

He possesses highly experienced and dedicated Professional Instructor with over 40 years of experience in the Oil & Gas industry, both domestically and internationally. Proven track record as a Technical Subject Matter Expert, Lecturer, and Mentor for graduate engineers. Skilled in pipeline material selection, facility engineering, and engineering management.

He is a seasoned professional with a passion for sharing knowledge, and eager to contribute his expertise to the next generation of engineers and continue to stay updated with industry developments.

He was an Oil & Gas Industry Practitioner in World class Oil Companies (Retired), Company Engineer of Foster Wheeler, Reading, UK, Lecturer , and Mentor of Graduate Engineering Trainee.

He presented technical papers at national and international forums **c**ontributed to the development of oil and gas industry professionals

For course registration and more information please email to

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