



Canadian Petroleum Training Institute Ltd.

EXAMPLE

COURSE OUTLINE

ELECTRIC SUBMERSIBLE PUMP (ESP) WORKSHOP

Introduction

- Well Productivity
- Reservoir Performance

ESP Systems

- Components
- Sizing Principles
- Sizing of Pumps
- Variable Speed Controllers
- Operations

Application of ESPs

- High GOR Wells
- Pumping Viscous Fluids

Economic Analysis of Artificial Lift

- When to Utilize Artificial Lift
- Economics of ESPs

Evaluation of ESP Performance

Latest Advances in ESP Technology

- Coiled Tubing Deployment
- Smart Wells
- Sand Production Issues