LEARNING OBJECTIVES
- Subsea well control concepts
- Pre-recorded data
- Well control methods
- Kick awareness
- Barriers
- Kick detection
- Tophole drilling and shallow gas
- Shut-in procedures
- Risk management

SUBSEA WELL CONTROL CONCEPTS
- Downhole pressures
- Downhole temperatures

PRE-RECORDED DATA
- Choke-line friction pressure (CLFP)
- Subsea kill sheet
- Subsea simulation
  - Kick detection
  - Well shut-in
  - Kill sheet data

WELL CONTROL METHODS
- Driller’s Method
- Wait & Weight Method
- Pump startup
- Sweeping the stack
- Risk of gas in riser

KICK AWARENESS
- Ballooning
- Riser margin
- Swabbing and surging

BARRIERS
- Subsea BOP stacks
- Lower marine riser package (LMRP)
- Risers
- Valves
- Connectors
- Control systems

KICK DETECTION – REVIEW OF WARNING SIGNS

TOPHOLE DRILLING AND SHALLOW GAS

SHUT-IN PROCEDURES

RISK MANAGEMENT
- Emergency disconnect system (EDS)
- Emergency backup system
- ROV intervention
- Riser gas