

WELLSHARP Subsea

Subsea Well Control Course Outline IADC



4 DAYS - SUPERVISOR

LEARNING OBJECTIVES

- Subsea well control concepts
- Pre-recorded data
- Well control methods
- Kick awareness
- Barriers
- Kick detection
- Top-hole 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 killsheet
- Subsea simulation
 - Kick detection
 - Well shut-In
 - Killsheet 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

TOP-HOLE DRILLING AND SHALLOW GAS

SHUT-IN PROCEDURES

RISK MANAGEMENT

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