Course Content

IADC WellSharp for Surface BOP Driller Level

- Day 1
- Well barriers & standards for barriers
- Well barrier elements and acceptance criteria
- Responsibilities for well control& well integrity
- Pressure calculations
- Well control definitions & concepts
- API Recommended Practices and API Specifications
- U-tube analogy for well pressure calculations
- Well control Equipmnet (BOP, Diverter, Flamges,Rings,Rams,etc…)
- Kick tolerance
- Kick causes, prevention & detection
- Warning signs.
- Shallow gas
- Well control preparation
- Well shut-in procedures & first actions.
- Practical - simulator overview and demonstration of well control load cases

Course Content

- Day 2
- Hydrostatic pressure and barriers
- Gas behavior in WBM
- Tripping procedures for well control point of view
- Killing Methods
- Conventional well control procedures
- Unconventional well control procedures
- Well control complications
- Compensating for Choke Line Friction (for Subsea candidates)
- Riser Margin (for subsea candidates)
- Workshop - Driller's Method
- Gas behaviors in OBM
- Difference between vertical and deviated well control
- Circulation
- Practical - Full scenario (kick detection, shut-in, circulate out kick) simulations

Course Content

- Day 3
- Well control equipment Specifications
- Well control equipment selection
- Confirm shutting well in
- Well control while tripping
- Stripping operations
- Deviated wells killing procedures
- Well control equipment installation
- Well control equipment testing
- Practical - Full scenario (kick detection, shut-in, circulate out kick) simulations with ‘unexpected’ events included.

Course Content

- Day 4
- Killing procedure over view
- Case studies
- Worst situations while well control issues
- The needs to shut the well faster
- **Practical Assessment test with simulator**.
- Group discussion
- When not involved with the practical assessments, participants will be completing quiz test.
- Self-Study (using question bank) to prepare for written examinations
- Course review and open discussion.

- Note: The course content is the same for both supervisor and driller level. The difference is in the level of the exercises and the final exam.

Exam (Day 5) Online exam procedures

- Training Coordinator should provide the participant with roster details a username and password (Online exam) and the online exam link
- Every Participant should login using these login details
- Once the participant log in , he / she should do a survey / feedback about the whole course
- Then the participant can start the exam
- The duration of driller level exam is 2 hrs: 30 min for 61 MCQ
- After the participant finish the exam, he / she clicks on summit exam
- Then the participant can get his / her certificate and card

Practical Assessment

- In Driller practical assessment level, the driller candidate starts the exam by checking the line up, start the drilling, set the parameters, take slow pump rate, notice the drilling break, notice the flow indicator, shut-in the well in correct way and inform the supervisor
- The grading sheet is filled by the assessor and the candidate must score not less than 70% to pass the practical assessment
- In case the candidate's failure, he / she has two reset trials as per IADC policy