

IADC SEAC Well Assurance Panel Discussion

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Sponsors:



IADC
SOUTHEAST ASIA
CHAPTER

Contributors

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Agenda

Well Integrity – Competency Assurance

- SKK Migas Perspectives
- Well Assurance
- WellSafe

Perspective – SKK Migas

- The certification for the workers in the upstream oil and gas industry, specifically drilling and work over activities have been established for many years, but in fact, incidents, such as blowouts, still occur.
- National competency standardization for drilling and work over have been established by BNSP, but need to be upgraded to become international standard since the ASEAN Economic Community (AEC) and AFTA have been implemented.
- How IADC could help all Indonesian workers become more professional and acceptable into the market by providing such as training and accreditation ?
- Collaboration is needed between IADC, SKK Migas, Ditjen Migas, Indonesia Accreditation Institute (BNSP), association, and operators to improve the national accreditation which meet the international requirements and will be acceptable worldwide.

Well Assurance - Pertamina

Setting the Landscape

1. Oil price dropped below \$50/bbl
2. All resources and strategic projects must meet Quality Assurance (QA) requirements to ensure Assets deliver safe and reliable operations

All Well Operations involving drilling, well services and well integrity become very strategic

Operators need to ensure the projects are of a high standards and promote best practices to meet the economics of the market

Well Assurance - Pertamina

Five Practices to support Quality Assurance

Independence

Comprehensive Process – Audit framework

Competence

Coordination, Attitude, Capability > Selection

Management System

Who Does What – Process – Awareness
Collaboration, Sharing, Lessons Learned,

Performance Standards

Clearly Documented & Objective evaluation of the performance against industry good practice

Commitment

Leadership at every level (start at the Top)
Stimulate Willingness, Trust & Ownership

WellSafe - Chevron

What is WellSafe

1. Process Safety Program of Chevron's Drilling and Completion function
2. Identifies critical requirements
 - a) Planning
 - Personnel, Processes, Tools,
 - b) Execution
 - Rig certification
 - Well Control equipment
 - Personnel Certification
 - Well Control related Roles and Responsibilities including drills
3. Assurance by independent Well Examiner

WellSafe - Chevron

Process Assurance

Global SOP's

- Casing and Tubing Design
- Primary Cementing
- Wellhead
- Anti Collision
- Casing and Formation Integrity Testing
- Barrier
- Well Control Requirements

Local SOP's

- BOPE Testing
- Lost Circulation
- Inflow Testing

WellSafe - Chevron

Execution

Global Procedure compliance

- Global requirements
- Management of Change – if exemption is needed

During Execution

- Deviation to be Approved (Multi-level)

Way Forward

Manav Kumar, Chairman