Real Time Monitoring (RTM)

Committee on the Application of RTM of Offshore Oil & Gas Operations Workshop
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API Background

- API is the only national trade association representing all segments of the oil and natural gas industry.
- Over 625 member companies involved in all aspects of the oil and natural gas industry.
- Over 700 committees and task forces covering various advocacy and technical issues.
- Staff of ~270 located in Washington, DC, 33 states, Beijing, Singapore, Dubai & Rio de Janeiro.
API/OOC/IADC Industry workgroup

- 120 members
  - 18 operators
  - 8 drilling contractors
  - 15 service companies/consultants
  - 4 Original Equipment Manufacturers

Objectives:
- Develop Industry position on RTM
- Monitor government activities
- Be responsive to NAS Study Group
- Respond to rulemaking
RTM should not transfer operational risk from the rig to the shore-base. RTM is a support tool for use by shore-based personnel to assist well-site operations. As a support tool it may improve the efficiency of certain operations, which in turn may favorably impact safety and the environment.
Questions

- How would BSEE's interest in establishing minimum requirements for the use of real-time monitoring affect your general membership?

- What advice would your general membership provide BSEE for incorporating real-time monitoring requirements into its regulations?

- How can Trade Associations support efforts by industry and regulator in standardizing each other’s needs?

- If the broader offshore industry were to adopt real-time monitoring in exploration and production activities, what is a realistic time frame for where its use is the norm rather than the exception?
Any regulatory requirement by BSEE will affect a large majority of API members.

Operators, Drilling Contractors, OEMs, Service Companies, Supply Companies

Need to understand BSEE’s interest in establishing minimum requirements for the use of real-time monitoring

What objective is BSEE trying to achieve through Remote RTM?
Advice to BSEE regarding RTM

- Rulemaking on RTM is premature until this Committee completes the tasked report
  - If regulatory requirements were implemented for specific RTM, common definitions would need to be established
  - The same is true for wellbore parameters and equipment parameters
  - What should be monitored should be determined by the Operator, not prescriptive parameters
What support can API provide?

- API is the only national trade association representing all segments of the oil and natural gas industry
  - Operators, Contractors, Service and Supply Companies
- Provide a forum for development of consensus-based industry standards, and technical cooperation to improve the industry’s safety performance and competitiveness.
- API is accredited by the American National Standards Institute (ANSI)
  - Transparent process
  - Openness, balance, consensus, due process
  - Program audited by ANSI every five years
Time frame for use of RTM as “norm” vs exception

- It is premature to talk about use of RTM when the desired benefit / and purpose is not understood.
- RTM has been described by BSEE to enable several things
  - Safety of operations - through use by the operator
  - Enable BSEE inspections – through use by BSEE
  - Forensic information – use by both BSEE / operator
- The above described opportunities are all very different and would involve different data streams and impact different users
- The opportunity needs to be clarified before critical issues including standards and security are able to be addressed which would be critical to Industry adoption
Conclusions

- RTD has been around for over 30 years in the GOM
- Companies have built systems to meet their business needs, Clarity of purpose is key to design of any RTM System
  - Separate RTM during drilling & RTM during production
- Trained and experienced rig site personnel are critical to safely drill any well, with or without remote RTM
- Successful RTM may inform an operator that operations are within engineering design or may need to be modified
- RTM can be enabler for decision making, but is not a substitute for competency at the worksite, it one of many tools
Real Time Monitoring

Questions?

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