[Live Webinar] - Pipeline Erosion Mitigation

SAN ANTANIO, TEXAS, USA, November 21, 2017 /EINPresswire.com/ -- Tridiagonal Solutions Inc, a global chemical process enhancement solutions provider, will be hosting a free webinar on "Pipeline Erosion Mitigation" on November 29, 2017 from 9:00 am to 10:00 am CST and 5:00 pm – 6:00 pm CEST.

Sand production from oil and gas wells is a major challenge to field operations worldwide. A success of the design depends upon the ability to predict erosion rates in multiphase production of oil and gas over the life of field. Failure to address the issue will result in severe financial and environmental consequences in the form of production loss, equipment failure, etc. affecting CAPEX and/or OPEX. Current market condition demands meticulous design and optimization to balance the oil and gas recovery economics.

Present Approaches to understand Erosion mechanisms:
- Small Scale Erosion Tests
- CFD Models
- Empirical Models

Issues with Present Erosion Mechanisms:

- What are the Technological gaps and how to close the gaps? Establishing realistic erosion rate predictions for multiphase flow, fine particles, complex geometries are difficult
- How does over prediction and under prediction of erosion impact you?
- How good are the empirical models? How well do they match with experimental data? Where does it break down? Which erosion model you need to pick for your case?
- Some preliminary studies show API limits may not be always conservative

In this webinar, you will gain insights on
- Pipeline erosion and its cost impact throughout field life-cycle
- Pros and cons of using the different mitigation technologies
- Using test or inspection data to improve your understanding of the erosion mechanisms
- Improving decision making ability during field development cycle and thereby leveraging improved production
- Implementing a condition based maintenance program
- What is PERMiT? Its background and salient features
- Key PERMiT applications during design and operation phases

Who should attend?
Executives responsible for asset and field development, Operations, Maintenance, Integrity

Management, Facility Managers, Process Engineers, Piping Engineers, Reliability Managers/Engineers.

About the Presenters:

Vikram Subramani is a Senior Multiphase flow Engineer at Tridiagonal Solutions Inc., Houston. He has about 9 years of total industry experience including flow assurance and operability, hydrate and wax facility design and operation, interface management in multi-disciplinary projects, mechanical design of pipelines, static and rotary equipment. He has worked on several Concept/FEED/Detailed Engineering projects for onshore, offshore and deepwater oil and gas field developments around the world. He has a Masters degree in Petroleum Engg. from the University of Tulsa with research background in hydrates and a Masters degree in Civil Engg. (Computational Mechanics) from the University of Arkansas at Fayetteville. He is an advanced user of flow assurance modeling tools like OLGA, PVTSim, PipeSim, AFT Impulse, Pipe 2000 for performing steady state and transient thermal-hydraulic simulations.

Praveen Gonuguntla is currently a Senior CFD Engineer at Tridiagonal Solutions Inc., based out in San Antonio. For the past nine years, he has performed extensive CFD analysis for the Upstream and Downstream of Oil&Gas applications. The experimental analysis in the field of erosion is another such area where he worked. He holds a master’s degree in mechanical engineering. His areas of interest are erosion, optimization of downhole tool designs and refinery equipment, multiphase flows in oil & gas production systems and combustion modeling.

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