

# Designing Cost-Effective FDI Mitigation Strategies: Lessons Learned from a Spectrum of Diagnostics Tools

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Tien Do is the founder and CEO of InDZone Consulting and a completion optimization specialist. The presentation will be at 9:00 Central Time on Thursday, March 12, 2026. The topic is “Designing Cost-Effective FDI Mitigation Strategies: Lessons Learned from a Spectrum of Diagnostics Tools.”

## **Abstract**

Frac-driven interactions (FDI) continue to pose significant risks to well integrity, production performance, and field economics in unconventional developments. While numerous diagnostics tools are available to monitor and mitigate FDI, operators often face challenges in selecting the appropriate techniques for their specific development stage, risk profile, and budget.

This presentation presents a series of field case studies demonstrating a full spectrum of FDI diagnostics and mitigation approaches, ranging from high-cost, high-resolution tools such as fiber-optic monitoring and real-time pressure surveillance, to lower-cost methods including chemical tracers and post-job offset pressure evaluation. Each case study highlights the design intent, execution strategy, data interpretation, and operational trade-offs associated with each diagnostic technique.

The objective is to provide operators with a practical decision framework for selecting and integrating diagnostics based on development maturity, subsurface uncertainty, and operational constraints. Key learnings include the strengths and limitations of each approach, how multiple diagnostics can be combined to improve confidence, and where lower-cost options can deliver actionable insights without compromising risk management.

Attendees will gain actionable guidance on how to design, execute, and evaluate cost-effective FDI mitigation programs, enabling more informed development decisions across a range of operating environments.

## **Biography**

Tien Do is the founder of InDZone Consulting and a completions optimization expert known for solving complex industry challenges—from fracture-driven interactions and casing deformation to H<sub>2</sub>S prevention and Tier 2/3 development.

Raised in a remote Vietnamese village without electricity, Tien's journey from humble beginnings to industry leader reflects her lifelong mission: delivering energy that is safe, efficient, and sustainable. After earning her Mechanical Engineering degree Summa Cum Laude, she built a successful career at Schlumberger, Whiting Petroleum, and Nine Band Operating before launching InDZone in 2022—while pregnant with her third child.

In just three years, InDZone has become a trusted partner to over 20 operators across North America, delivering innovative solutions that improve well economics and operational safety. Tien also serves on the Board of the Women in Oil & Gas Association (WOGA), SPE Completions Membership & Engagement Task Force, and mentors future industry leaders.