

# A Best Practice for Slide-Rotate Drilling Transitions Reduces BHA Damages and Non-Productive Time

Kevin Morgan, Fracture ID

John Frame, Fracture ID

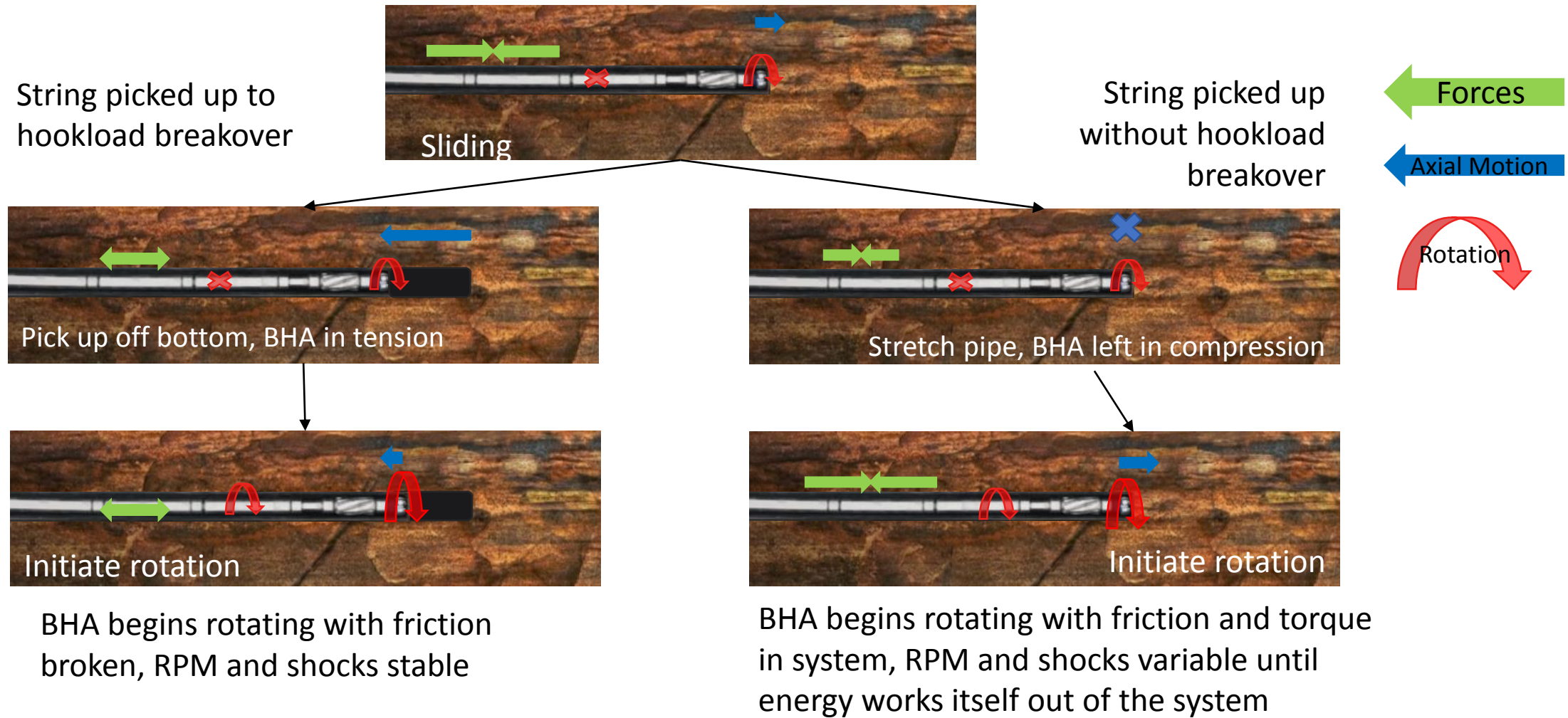
Junichi Sugiura, Sanvean Technologies

Steve Jones, Sanvean Technologies

# Background Information

- Best practices for transitioning from slide to rotate are sparse
  - String physics not well understood by field crews in North America land
- Frequent failures due to improper string compression relief
- Fracture ID has repository of high-frequency measurements
  - 500+ wells all with 800+ Hz sampling of accelerations
- Data utilized primarily for geomechanics reservoir characterization
- Developed algorithms to characterize drilled behavior

# Tension/Compression States



Contact Sanvean Technologies for more information:

[1426 Vander Wilt Ln. Katy, TX 77449](#)

Office: [832-974-4260](tel:832-974-4260)

Website: <http://www.sanveantech.com/>