CASE STUDY: MIDDLE EAST

Maxima Frac straddle packer performs micro-frac testing in ultra-high strength formations to improve rock property calibration

CHALLENGES

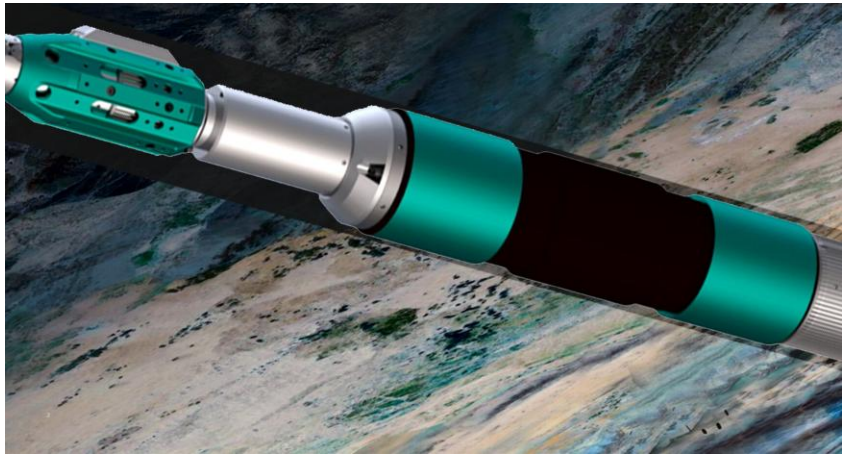
- Large hole size (8.5-in.) and offshore conditions
- Previous generation tools could not perform in-situ Micro-Frac
- Geomechanical model in these formations not calibrated accurately

SOLUTION

- **Maxima™ Frac straddle packer** was chosen to perform the Micro-Frac operation
  - Included new re-design CHITON elements to enable maximum fracture pressure possible
  - Minimal inflation and deflation times
- Pre-job modeling completed to assist the customer on the selection of the best zones for fracking within their formation of interest

RESULTS

- Successfully fracture all three zones of interest
- Performed break-down and closure analysis in all zones requested each with varying degree of rock strength
- Provided in-situ stress measurements for geomechanical modeling
- Demonstrated Maxima Frac's ability to operate at higher differential pressures than previous generations
- Differential pressure reached ~7,400 PSI in 8.5-in. hole size



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