

— **CASE STUDY:** LIBYA ONSHORE

# Successful first deployment of VisiTrak UHD in Libya: Enabled optimum landing, full reservoir mapping, and precise well placement

— **CHALLENGES**

- Variation in the thickness of the target zone
- Structural uncertainty associated with sub-seismic faults and dip variation
- Uncertainty in the OWC position below the target zone

— **SOLUTION**

[VisiTrak™ UHD reservoir mapping and navigation service with advanced parametric/hybrid inversion](#)

— **RESULTS**

- Fully mapped the reservoir architecture along the wellbore:
  - Continuously mapped top of the target zone
  - Landed the well optimally in the target zone
  - Mapped a flatter conductive zone at the base of the target, interpreted as OWC
  - Interpreted sub-seismic faults and throw defined from the VisiTrak UHD inversion
  - Mapped local dip variation along the lateral section
- New surfaces based on the inversion results provided to be integrated and updated to the customer's 3D model for future well development
- Maintained a smooth wellbore
- 100% reservoir exposure

