CASE STUDY: MALAYSIA

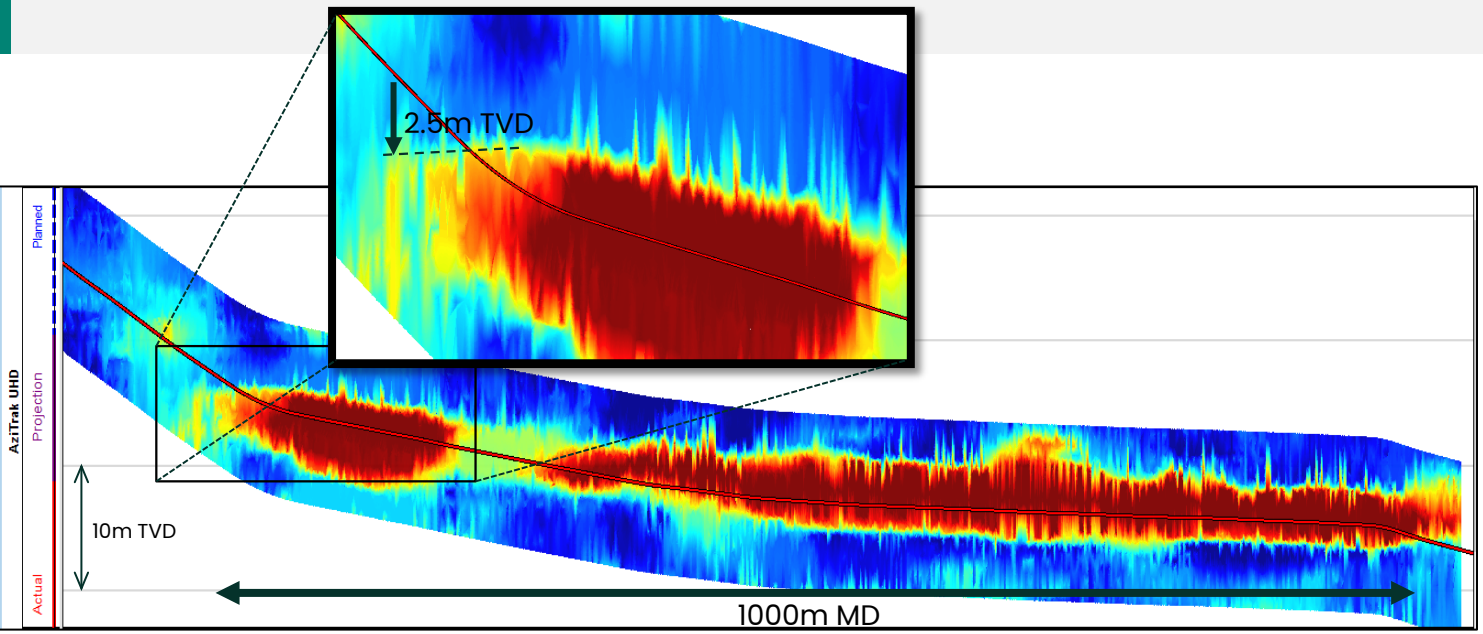
Reservoir mapping and geosteering within channel sand utilizing deep azimuthal resistivity tool to optimally locate production section

CHALLENGES

- Landing the well with good inclination to penetrate target sand
- Acquire 1000m footage within sand channel
- Map the geometry of the sand and cut through the base for stratigraphic correlation

SOLUTION

- AutoTrak™ eXact steering unit, ZoneTrak™ R at bit resistivity service, ZoneTrak™ G near-bit gamma service, with AziTrak™ UHD ultra-deep azimuthal resistivity service
- Kantori™ reservoir navigation services with Kantori™ intelligent well planning for geosteering decision making



RESULTS

- AziTrak UHD provides the first indication of target sand within 3-4 m TVD and reliable measurement at 2.5 m TVD
- Mapping channel sand geometry along the well path
- Successfully acquire 1000 m MD within target sand since the first entry
- Cut through the base of sand at TD of the well to confirm bottom sand boundary

Baker Hughes
Rewriting The Energy Equation™