

# GEOLOGY

✓ **Clastics or Carbonates Reservoirs**

✓ **Reservoir Correlations**

✓ **Sequence stratigraphy**

✓ **Reservoir Characterization**

✓ **Mapping of Reservoir Properties**

✓ **Core data analysis integration**

✓ **Phi versus Kh and Kv modelling**

✓ **Tectonics & Facies Distribution**

✓ **Geomodelling/ Static Model building**

✓ **Fluid identification - [Gas, Oil, Water, Invaded zones, Residual gas or oil]**

✓ **Fluid contacts & Transition zone identification [FWL, OWC etc.]**

✓ **Operations – [Well drilling follow-up/supervision & geosteering]**

✓ **MDT & Pressure Gradient Analysis**

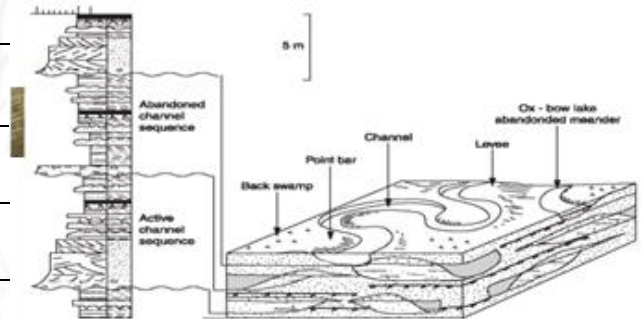
✓ **Fault sealing analysis**

✓ **Fracture Characterization**

✓ **Volumetric Estimation – [Stochastic] Resources In-Place & Recoverable**

✓ **Uncertainty analysis & quantification**

✓ **Integration with Petrophysics, Geophysics, Reservoir Engineering, Drilling & Production Technology Reservoir Management**



- Petrophysical Groups & Rock Typing
- Cut-Offs, Lithofacies & Electrofacies
- Kh & Kv Predictors & Modelling
- Reservoir Zonation
- Integrate Structural Maps
- Integrate Seismic Facies/ Attributes
- Gridding & Layering
- Integrate Fluid Contacts
- Well Test Integration

