

# Geoscience

## Field Development

EPI Geoscience is a leading provider of field development services, with more than 20 years' track record of delivering bespoke solutions to Clients' on projects around the world. Our team of experts specialise in the fully integrated evaluation and optimisation of structurally and stratigraphically complex reservoirs through the integration of the worldwide experience with leading edge software.

Our integrated team of geoscientists and engineers provide the full spectrum of Field Development services for conventional and unconventional reservoirs either on an individual project basis or through our unique Outsourced E&P Department™ (OExD®) solution.

### Integrated Field Development Services

- Seismic Interpretation, Mapping and Facies Modelling
- Core Analysis & Logging/XRD Facies/Petrography
- Complex Geomodelling (Static/Dynamic)
- Quantitative Seismic Interpretation (QI)
- Seismic Sequence Stratigraphy
- Complex geomodelling (static/dynamic)
- Performance Engineering Optimisation
- Reservoir Engineering
- Petrophysics
- Wellsite Support
- EOR/IOR

### Track Record

EPI's multi-discipline reservoir evaluation group have completed more than 200 projects, from single well evaluations to the fully integrated analysis of producing fields, over the past 20 years. Our team includes world-renowned experts in carbonates and fractured reservoirs with in excess of 40 years' experience of appraisal/development, enhanced hydrocarbon recovery (secondary and tertiary) and rejuvenation.



### Carbonate Reservoirs

EPI utilise worldwide experience of exploration and development in Palaeozoic, Mesozoic and Cenozoic carbonate systems, integrated with leading edge software, to develop more geologically realistic reservoir models and optimise the appraisal and development of carbonate reservoirs. Our team includes experts who have been actively involved in the creation of high resolution integrated reservoir models (static and dynamic) for a number of billion-barrel carbonate reservoir fields across the Middle East region.

### Clastic Reservoirs

We use integrated, Bespoke workflows tailored to the clients specific challenge to optimise the development of all types of clastic reservoirs, from fluvial and shallow water deltaic settings to deep water turbidite.

Our team specialise in the evaluation of structurally and stratigraphically complex clastic reservoirs, including thin bed, compartmentalised and low porosity-permeability reservoirs.

### Unconventional Reservoirs

Our multi-disciplinary team of geoscientists and engineers bring expertise in the exploration and appraisal of 'unconventional' (continuous resource) plays, with extensive track record of 37 plays in 23 basins across 9 countries worldwide (including onshore US).

EPI's strategic partnership with a leading UK-based rock laboratory, provides access to leading-edge expertise in rock mechanics and the optimisation of development techniques.

### Case Study: Onshore Europe – Multi TCF Field

Integrating more than 20 years' worth of production with data from wells, 3D seismic and a large database of past geological and engineering reports, our team of experts delivered recommendations for the location and design of new development wells and for the amelioration of existing wells in an underperforming, low porosity-permeability, multi-TCF gas/condensate field. The new evaluation enabled the client to more accurate understanding of their field and optimise future decision making on the asset.