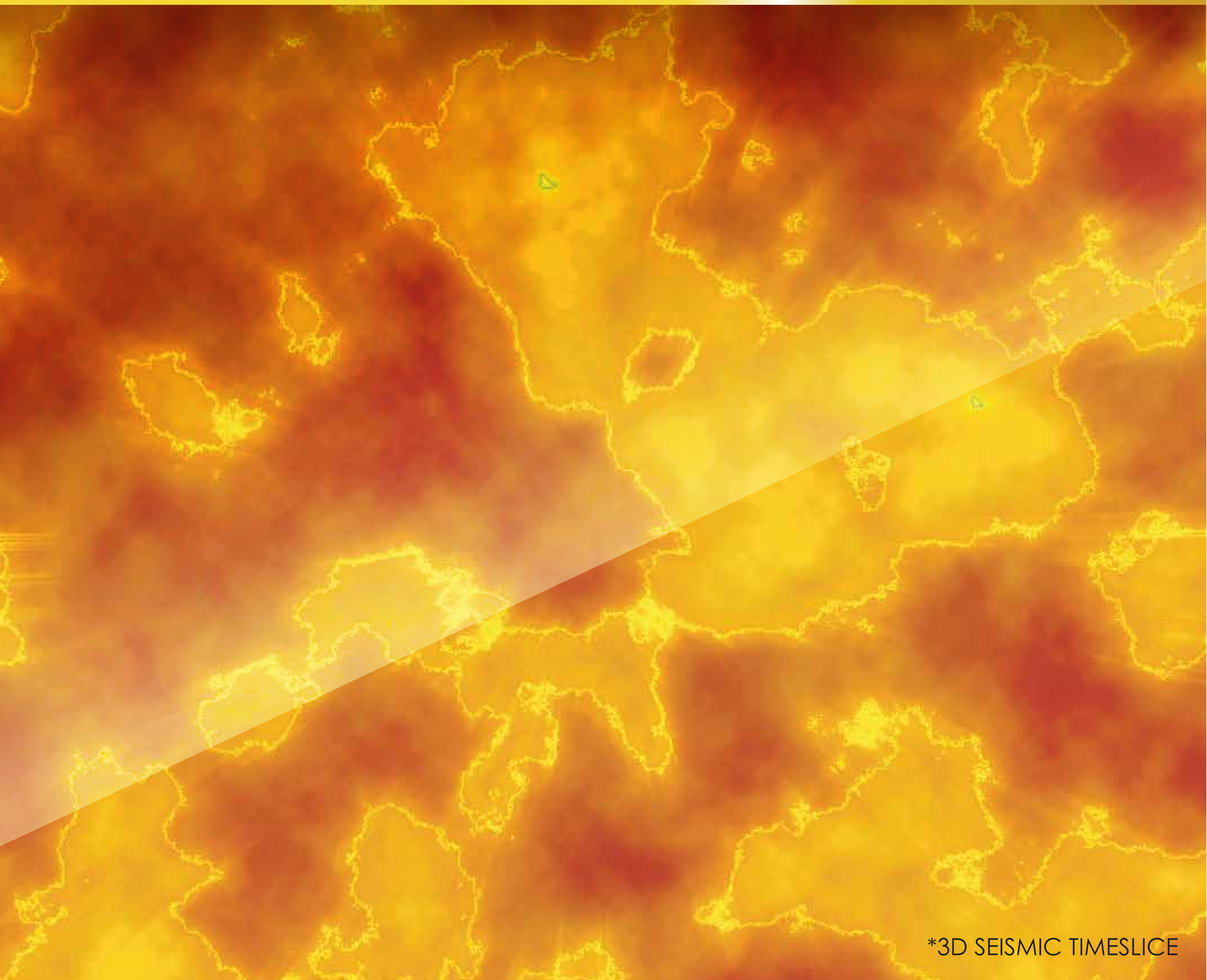


COMPANY PROFILE



*3D SEISMIC TIMESLICE







COMPANY PROFILE

ABOUT US

Established in 2004, Energy Quest Sdn Bhd (EQ) is an oil and gas consulting company which office is located in Kuala Lumpur, Malaysia. EQ is one of the leading consulting companies providing premium services and total solutions to the upstream oil and gas clients worldwide.

EQ provides a wide range of upstream consultancy services throughout the oil and gas E&P life cycle, ranging from exploration phase to tertiary production phase. The services begin from data room reviews to improved/enhanced oil recovery work (IOR/EOR) ending in production of the last barrel. EQ provides flexible service options: full team, partial team or individual consultancy at any stage of the E&P life cycle.

EQ is staffed with experienced E&P professionals ranging from geoscientists to engineers and petroleum economists. EQ's consultants are very competent, mostly with 10–30 years of industry experience and well-versed with the E&P technologies. EQ's management team consists of E&P professionals with strong technical background and more than 20 years of industry experience.

With more than 50 strong personnel and equipped with latest industry standard software, hardware and up-to-date infrastructure, EQ is fully geared to meet demanding challenges in oil and gas industry.

MISSION

To be among the leading companies with recognized world-class expertise providing exploration and production technology and business solutions

QUALITY POLICY

- Delivering total customer satisfaction through the continual improvement of our products and services
- Improving and enhancing value to the existing business processes
- Maintaining equitable and beneficial relationships with internal and external clients

EQ is committed to provide clients with the best personnel and technology for optimal and cost effective solutions.



OUR INTEGRATED SERVICES

The services include Data Room Review, Block / Basin / Asset Evaluation and Acquisition, Exploration Prospect Evaluation, Resource Assessment (RA), Field / Master Development Plan (FDP/MDP), Full Field Review (FFR), Field Rejuvenation Study, Improved Oil Recovery (IOR) Study, Enhanced Oil Recovery (EOR) Study, Project Implementation and Field Works.

Energy Quest provides customised solutions through proactive client consultation, leveraging technology and proven work process to meet clients' need.

SERVICES BY DISCIPLINES

Geology

- Tectonostratigraphic Evaluation and Study – Regional and Field Specific
- Basin Evaluation and Paleo-environment Study
- Core Facies and Sedimentology Study
- Structural Analysis and Stratigraphic Correlation
- Reservoir and Facies Mapping
- 3D Geological/Static Modeling
- Volumetric Assessment
- Sensitivity and Risk Analysis
- Geological Field Work
- Laboratory Services

Geophysics

- Integrated 2D and 3D Seismic Interpretation
- Exploration and Production Geophysics
- Attribute / Impedance / AVO Analysis
- Seismic Inversion

Petrophysics

- Full Formation Evaluation Analysis
- Low Resistivity Low Contrast (LRLC)

Reservoir Engineering

- Reservoir Management Plan
- Reservoir Surveillance Plan
- Reservoir Operating Strategies
- Dynamic Reservoir Simulation
- Well Testing and Analysis
- Decline Curve Analysis
- Production Forecasting
- Gas Cap Blowdown Study
- Core and Fluid Data QC and Database Development
- CO₂ Sequestration Study

Production Engineering

- Nodal Analysis
- Field Network Enhancement
- Artificial Lift Analysis
- Well Completion Reviews
- Acid Stimulation
- Sand Control Evaluation
- Wax / Asphaltene Analysis
- Material Selection Study
- Well Completion Design / Operations
- Workover Evaluations
- Completion Technique / Technology / Philosophy Assessment

Facilities Engineering

Drilling Engineering

Economic Analysis

- Physical Model
- Petroleum Arrangement Model
- Company and Asset Evaluation
- Decision Tree Analysis
- Risk Analysis

Technical Training

- Geosciences
- Petrophysics
- Petroleum Engineering
- Geological Field Works
- Petroleum Economics
- Reservoir Engineering
- Integrated Study and Work Processes

Software Support

ENERGY QUEST CAPABILITY

A RELIABLE BUSINESS PARTNER

EQ Integrated Project Teams or individual consultants add significant value to E&P companies and stake holders, working with them to timely achieve the results required. EQ has a reputable track record of success in providing the expertise and processes needed to improve performance and increase efficiency by integrating all the services and technologies required by any project. EQ welcomes collaborative participation and partnership with clients.

HIGHLY EXPERIENCED PERSONNEL

EQ consultants are highly qualified and industry recognized professionals with worldwide experience which includes Geophysicists, Geologists, Geomodelers, Sedimentologists, Stratigraphers, Petrophysicists, Reservoir Engineers, Petroleum Engineers, Production Engineers, Simulation Engineers, Drilling Engineers, Facilities Engineers, Petroleum Economists, Application Software Specialists

EQ has also developed strong technical alliances worldwide, which include other consulting companies, technology providers, technical software providers, laboratory services, and universities. EQ also has access to services from its sister companies, which include E&P data management, flow assurance and geological laboratory services, gyroscope survey, seismic data acquisition, survey and navigation, site survey and shallow seismic, geotechnical survey and engineering, and mud logging.

COMPUTING FACILITIES

EQ is equipped with the latest industry standard software and hardware. Technical software in use includes **Geosciences**: Petrel, SMT Kingdom, RMS, VoxelGeo, WellCad/CoreCad. **Petrophysics**: Geolog, PDPlot. **Engineering**: Petrel RE, Eclipse 100, Eclipse 300, Reo, Mbal, Prize, Wellflo, Prosper, Saphir, Pansyst, PVTI, PVTP, Compass, WellPlan, Hysys, Flowsim, Pipesim. **Hardware** includes workstations, servers, tape drives, plotters, scanning devices, digitizing equipment, high-end computers, data recovery equipment, data back-up and storage system, and up-to-date data security system. EQ will invest in more software, hardware and infrastructure to meet the changing requirements and market demand.

INTERNATIONAL TRACK RECORD

EQ has completed numerous projects for E&P operating companies and stake holders in South East Asia, Central Asia, Middle East, Africa and Central America. Its global experience, combined with its regional operating expertise, makes it a valuable partner in improving performance and increasing efficiency on projects anywhere in the world.

CONTRACTING APPROACH

EQ offers its services under a wide range of commercial contracts, tailored to address unique company's project needs and value drivers. In some of EQ contracts, we take a risk position, with compensation linked to performance.

EQ is flexible in meeting client's needs and requirements, with full understanding in overcoming common shortfalls such as tight schedules and deadlines, manpower limitations, procurement procedures and facilities limitations.

REGIONAL STUDY

DEVELOP AND EVALUATE REGIONAL FRAMEWORK AND STRATEGY FOR EXPLORATION BLOCKS



EQ helps oil companies cover more ground with an integrated multidisciplinary approach to regional evaluation. EQ synthesizes geologic history, structural architecture, depositional and petroleum systems with drilling and production histories to provide a more thorough understanding of a basin. Understanding the “big picture” of a region helps client rapidly understand the true significance and value of new opportunities and potentials as they arise. This broader insight can reduce the risk of dry holes and low producers.

Elements of Services

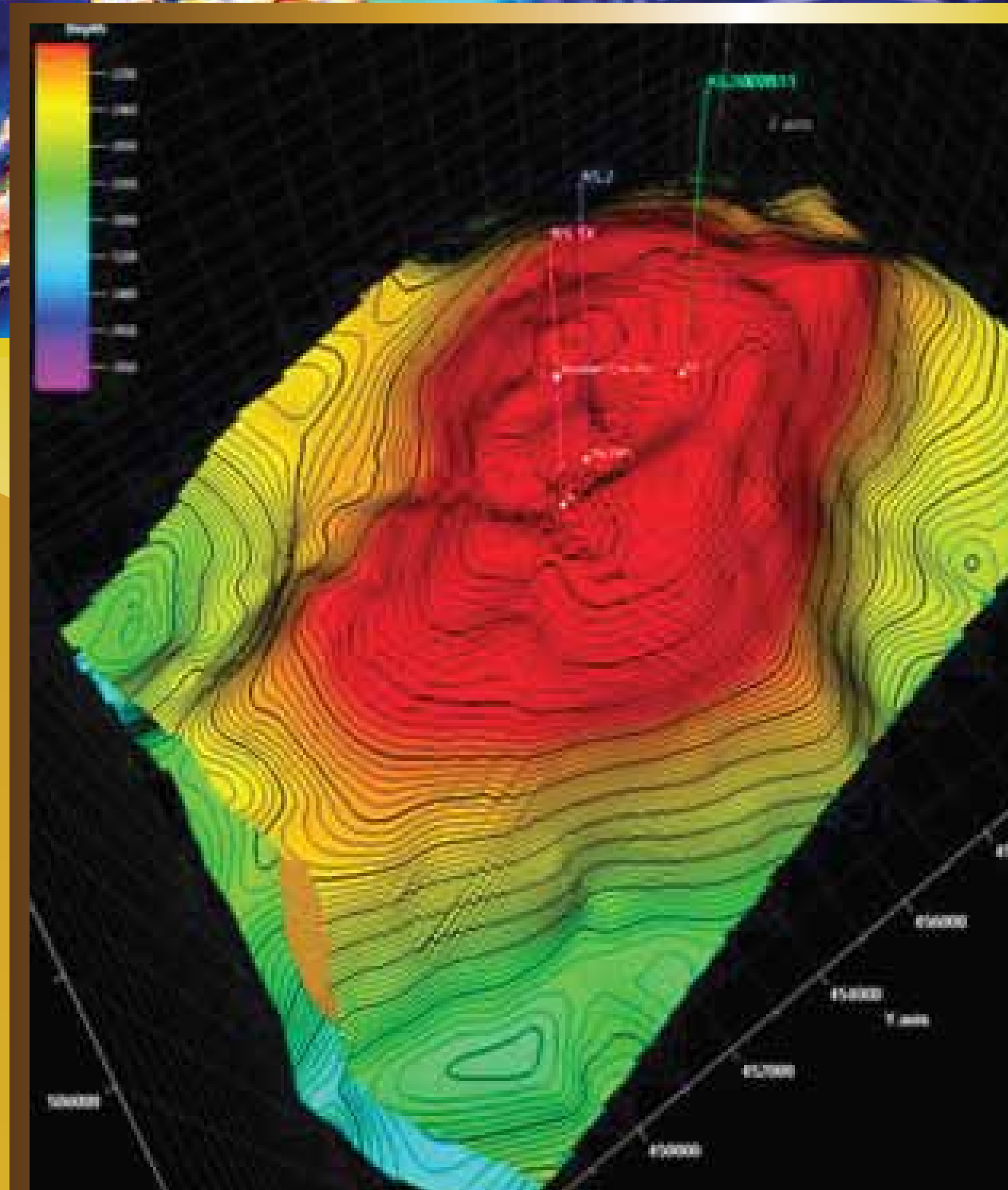
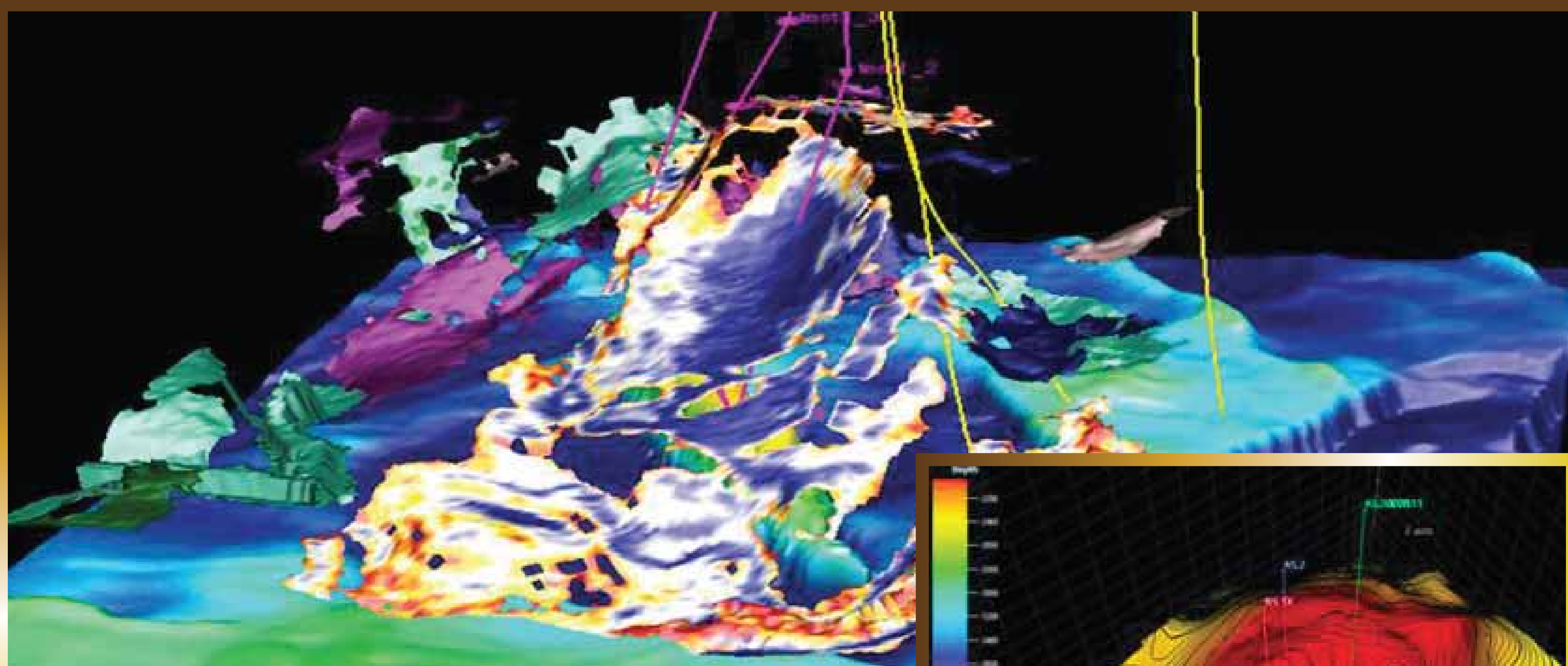
- Regional Mapping
- Regional History
 - Tectonic and Basin Evolution
- Fairway Analysis
- Structural Analysis
- Stratigraphic Analysis
- Play Systems Analysis
- Lead / Prospect Identification
- Ranking and Risk Analysis
- Exploration / Appraisal / Development Screening
- Drilling and Production History Analysis



RESOURCE ASSESSMENT

EQ adopts state-of-the-art approach to deliver an industrial standard in generating initial-in-place volumes and resources for exploration, delineation and development projects. A typical work scope involves multi-disciplinary analysis which includes detailed geophysical, geological, petrophysical and reservoir engineering works utilizing various software applications with built-in range of uncertainties to aid clients in their decision making process.

Recommendations and assumptions are laid down in correct perspective and the upside potentials and risks are highlighted. Resource Assessment is concluded with a few options of conceptual field development plans short listed with screening economics.



Target Areas

- Marginal Fields
- Green/New Field Development
- Minor/Bypassed Reservoirs within Mature Fields
- Exploration/Delineation Blocks/Fields

FIELD DEVELOPMENT PLAN

Leveraging on the range of our processes and technologies, EQ delivers a new field development from subsurface model to first oil and beyond.

A typical project includes the development of a subsurface reservoir model, a drainage philosophy, a field development plan, technology selection, subsurface well locations, and well design. This is followed by the execution of the plan, including well planning, surface facility design and installation and ongoing operational management. A life-of-field approach optimizes the development and overall value of an asset. EQ will deliver these results through a formulation of innovative development concept.

Upon requirement by the clients, EQ will follow through the Field Development Plans up to the implementation stage by providing innovative, cost optimized solutions in facilities engineering, drilling and operations.

EQ specialises in marginal field, dormant discovered field development and brown field re-development.

Target Areas

- Green/New Field Development
- Brown/Mature Field Redevelopment
- Marginal Fields



FULL FIELD REVIEW

Highly engineered and defined business solutions for mature fields that aim to deliver a step change in field production levels and increase ultimate recovery. EQ brings world-class industry practice, operating techniques, engineering and technologies to mature fields, resulting in significant value creation.

A typical project scope includes the generation of a completely new subsurface model and a field redevelopment plan. With new technology and focus we can identify bypassed oil and new targets, execute well reentry and infill drilling campaigns, optimize existing production and rejuvenate surface facilities. Our field redevelopment strategies each supported with economic analysis will enhance production rate, extend field life, and increase ultimate hydrocarbon recovery.

Target Areas

- Brown Fields
- Mature Fields

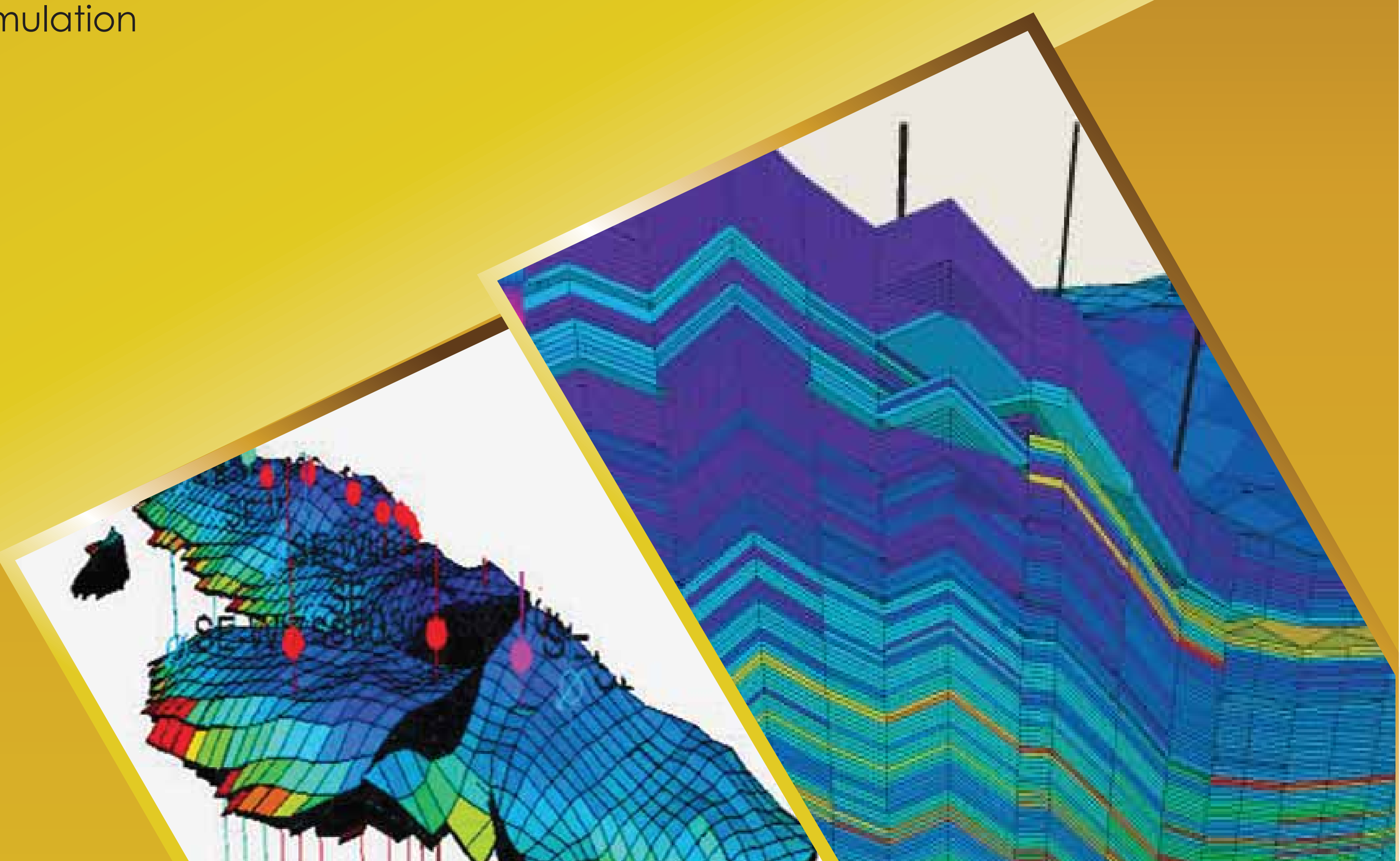
RESERVOIR MODELLING AND SIMULATION

COMPLETE UNDERSTANDING OF RESERVOIR PERFORMANCE UNDER SPECIFIC PRODUCTION SCENARIOS

EQ provides full spectrum solutions for better understanding of reservoirs and hydrocarbon field's behaviors and performances through a thorough and comprehensive work process from static models to dynamic simulations. In the static modeling phase, integration of multi-disciplinary bases of geophysical, geological, petrophysical and engineering study solutions will be key inputs for a cohesive 3-D model where in-place volumes will be quantified. Modeling of reservoir dynamics constitutes a fully integrated simulation of the reservoirs and surface facilities matched to the field's historical performance. Predictions of field future performances under different production development scenarios are then evaluated.

Elements of Service

- Fault Ranking and Compartment Analysis
- Structure Modeling
- Core to Log Integration – Facies and Properties
- Electro Facies from cored to non-cored sections
- Neural Network
- Facies and Property Modeling
- Volumetric
- Validating and analysing fluid and rock data (Routine and Special Core Analysis)
- Black oil, compositional, thermal and dual porosity/permeability simulations
- Well modeling and completion design, and surface processing and evacuation system (Network Modeling)
- Flow Assurance Simulation



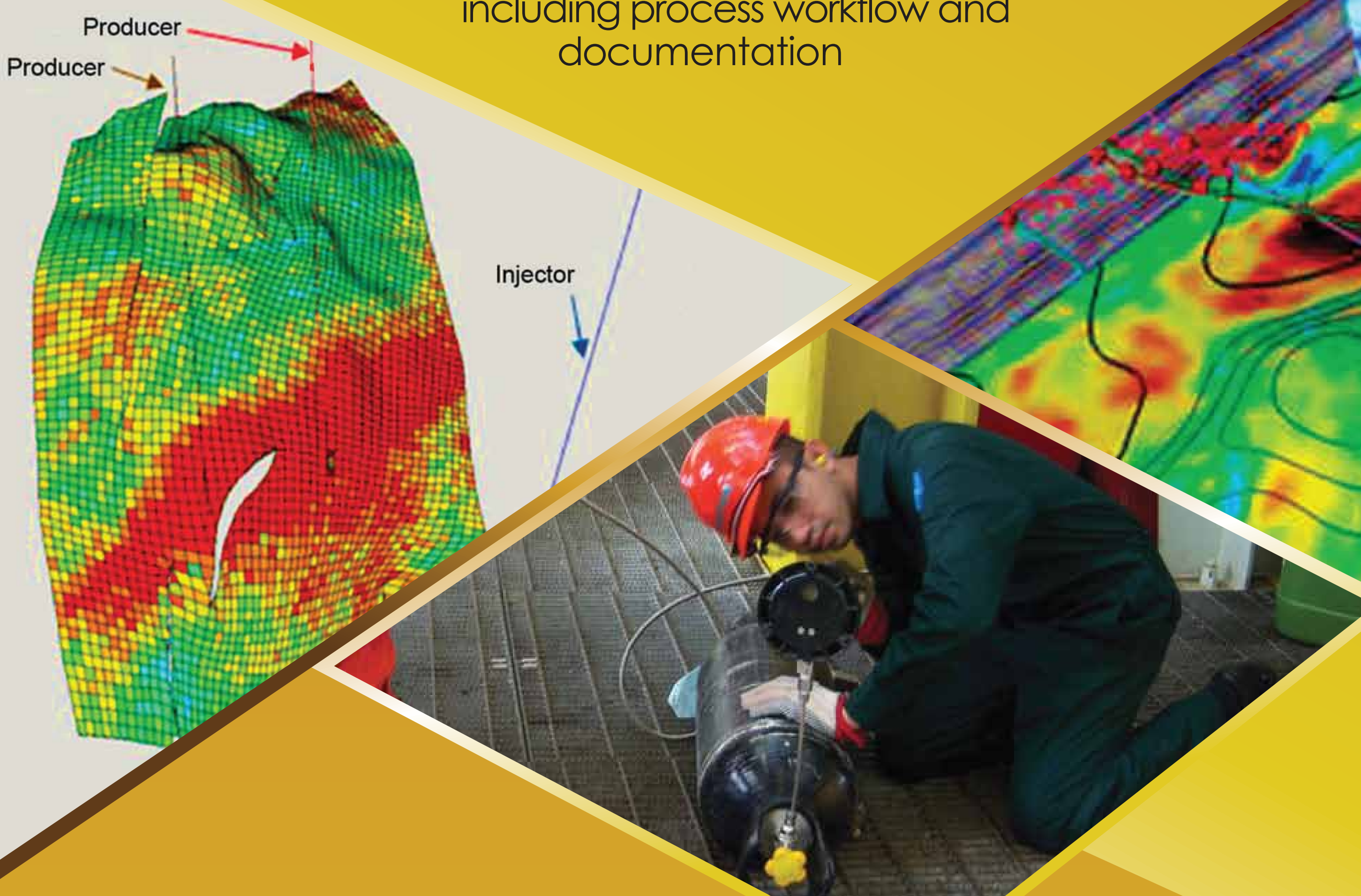
ENHANCED OIL RECOVERY

EQ helps oil companies increase oil reserves and production from the mature field with an integrated multidisciplinary approach in the enhancement of the field production.

EOR potential is identified through a systematic approach which begins with comprehensive Reservoir Characterization work followed by EOR Screening to identify suitable EOR processes for further confirmation in the laboratory.

EQ's EOR services include :

- Advanced laboratory analysis : slim-tube tests, coreflood tests, swelling tests etc.
 - EOR screening and process selection.
 - EOR modelling and surveillance/monitoring design for pilot/full field implementation
 - In-house consultation of EOR implementation including process workflow and documentation



SPECIALISED SERVICES

- Low Resistivity Low Contrast (LRLC) Petrophysical Technique of Identifying Thin and/or Shaly Sand
- Marginal Fields Development
- Integrated Reservoir Characterization Study
- Enhanced Oil Recovery (EOR)

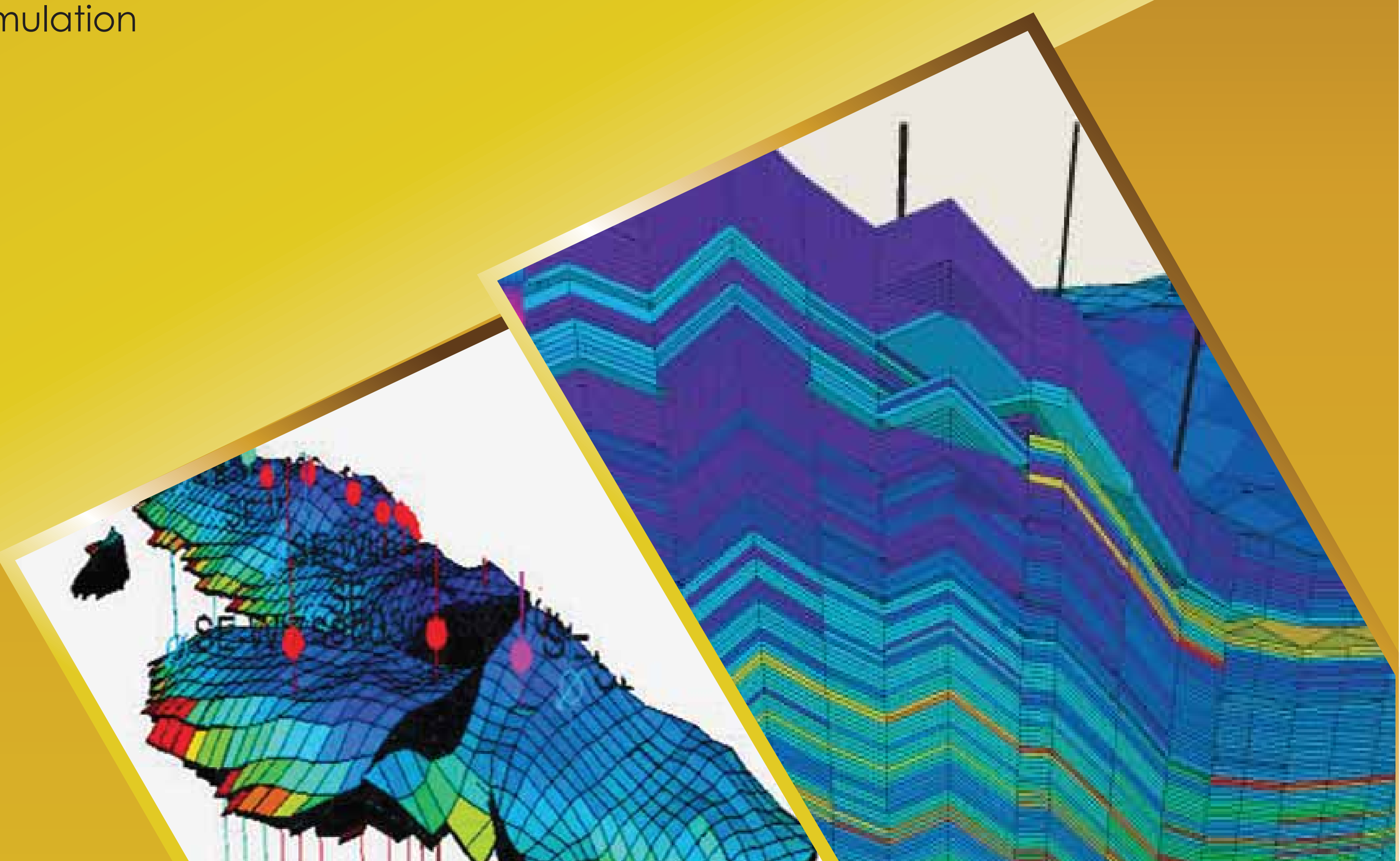
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GLOBAL TRACK RECORDS



MALAYSIA

PROJECTS

D35 Full Field Review

D35 Field Development Plan

D35 Enhanced Oil Recovery Study

Kuda Terbang Field Resource Assessment

Piatu East Piatu 3D Seismic Interpretation and H80 Volumetric Reassessment

Piatu – East Piatu FDP (Subsurface)

Laba – Laba Barat Resource Assessment

Nymphe – Nymphe North Resource Assessment

South East Collins Resource Assessment

J5 Field Resource Assessment

Mutiara Hitam Field Resource Assessment

Serok Field Resource Assessment

Geomodelling Work for the Auditing of 24 Gas Fields

Guling 2 Core and Sedimentological Study

Guling Deep Core and Sedimentological Study

Tangga Barat Core and Sedimentological Study

Petrophysical Study of Irong Wells

Irong Core and Sedimentological Study

Regional Expert for Integrated Regional Study of The Malay Basin

Petrophysical Study of Luconia Carbonate Reservoir Wells Research

Seismic Inversion Consultancy and Training

Reservoir Characterization Study of Temana Field

Structural Analysis Services on the South Furious Field

Reservoir Characterization Study for Melor, Laho, Tangga, Tangga Barat, Besar, Bergading, Bedong, Guling, Noring and Tujuh Fields

Luconia Regional Study for CO₂ Sequestration Project

Malikai Structural Restoration Study

Benrines Field Resource Assessment

Lokan Field Resource Assessment

K5 Field Resource Assessment

Carigali Fractured Basement Study

Kinabalu Sumandak Field Development Plan – Seismic Interpretation

Peninsula Malaysia Fluvial System Study – Seismic Interpretation

Angsi Field Development Plan and Implementation (Geological Work)

Peninsula Malaysia Fractured Basement Study

Petroleum Migration System Study – Seismic Interpretation

Low Resistivity Low Contrast (Petrophysical Study Research)

Geological Field Trip, East Coast of Peninsular Malaysia



INTERNATIONAL

PROJECTS

Golshan & Ferdowsi Fast Track Reservoir Simulation – Iran

Block 5B JokNyang / Thoan Field Development Plan Study - Sudan

Indonesia Field Evaluation (2 Fields) – Indonesia

Yemen Block Evaluation (2 Blocks) – Yemen

Indonesia Block Seismic Evaluation (Semboja) – Indonesia

India NELP-V Blocks Evaluation (5 Blocks) – India

3D Seismic Inversion Services on Cakerawala, Bulan, Bumi Surya Fields in Block A-18 in Malaysia

Thailand Joint Development Area – Thailand

Reservoir Characterization Study of Block 1 Offshore Turkmenistan – Turkmenistan

Niger Agadem Reservoir Engineering Consultancy – Niger

Reservoir Management of 14 Gas Fields – Bangladesh

Mahanadi Block Evaluation – India

Technical Advisor for Vietnam Exploration Study – Vietnam

Carbonate Field Study – Cuba

Nigerian Exploration Blocks Study – Nigeria

Oil & Gas Technical and Project Management Advisor to Aceh District Government - Sumatra

Seismic Interpretation Training for Iranian Companies – Iran

Risk Analysis & Prospect Maturation Training for Iranian Companies - Iran

CLIENTS

- PETRONAS
- PETRONAS Carigali
- PETRONAS Research
- Carigali Triton Operating Company
- Carigali PTTEPI Operating Company
- ExxonMobil
- Sarawak Shell Berhad
- Amerada Hess (M) Limited
- Genting Oil & Gas
- Murphy Sarawak Oil Company Ltd
- Newfield Peninsula Malaysia Inc
- Lundin Malaysia Ltd
- Nippon Oil Exploration (M) Ltd
- Talisman Malaysia Ltd
- White Nile Petroleum Company Sudan
- Petrobangla
- Schlumberger
- SKS Petrofield Malaysia
- GCA/Shell
- ONGC (India)
- M3ENERGY Malaysia
- Energy Equity Resources UK
- Petra Resources Malaysia
- Amona Group Malaysia
- Mitco Japan
- Paradigm
- OEOC (Iran)
- IOOC (Iran)
- PEDEX (Iran)
- ECL





